TENDER DOCUMENT

TENDER No.: DLI/C&E/WI- 675/021(R)

FOR

Tender for Civil and Structural Steel works for Construction of “Augmentation of Fuel & Flux crushing facilities of Bhilai Steel Plant (BSP).” (Package - 64), at Chattisgarh.

VOLUME – II

STANDARD BIDDING DOCUMENT

ENGINEERING PROJECTS (INDIA) LIMITED
(A GOVT. OF INDIA ENTERPRISE)

Core-3, Scope Complex,
Lodhi Road, New Delhi-110003
TEL NO: 011-24361666  FAX NO. 011- 24363426
STANDARD BIDDING DOCUMENTS
(SBD)

DESIGN, SUPPLY & INSTALLATION
OF
PLANT & EQUIPMENT

(TURNKEY BASIS)

STEEL AUTHORITY OF INDIA LIMITED
BHILAI STEEL PLANT

MAY’ 2007
<table>
<thead>
<tr>
<th>1</th>
<th>Invitation for Bids</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Index</td>
<td>2</td>
</tr>
<tr>
<td>• Invitation for Bids</td>
<td>3-6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2</th>
<th>Instructions to Bidders</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Index</td>
<td>7-8</td>
</tr>
<tr>
<td>• Instructions to Bidders</td>
<td>9-42</td>
</tr>
<tr>
<td>• Annexure - 1 Bid Form / Updated Bid Form</td>
<td>43-46</td>
</tr>
<tr>
<td>• Annexure - 2 Bid Security Bank Guarantee</td>
<td>47-49</td>
</tr>
<tr>
<td>• Annexure - 3 Form of Preliminary Acceptance Certificate</td>
<td>50</td>
</tr>
<tr>
<td>• Annexure - 4 Form of Commissioning Certificate</td>
<td>51</td>
</tr>
<tr>
<td>• Annexure - 5 Form of Performance Guarantee Certificate</td>
<td>52</td>
</tr>
<tr>
<td>• Annexure - 6 Form of Final Acceptance Certificate</td>
<td>53</td>
</tr>
<tr>
<td>• Annexure - 7 Change Order</td>
<td>54</td>
</tr>
<tr>
<td>• Annexure - 8 Guidelines for Indian Agents of Foreign Supplier</td>
<td>55-59</td>
</tr>
<tr>
<td>• Annexure - 9 Check list for submission of Bid</td>
<td>60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3</th>
<th>Bid Data Sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>61-64</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4</th>
<th>Form of Contract Agreement</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Contract Agreement</td>
<td>65-74</td>
</tr>
<tr>
<td>• Appendix - 1 Price Schedule</td>
<td>77-86</td>
</tr>
<tr>
<td>• Appendix - 2 Time Schedule</td>
<td>87-94</td>
</tr>
<tr>
<td>• Appendix - 3 Terms of Payment</td>
<td>95-99</td>
</tr>
<tr>
<td>• Att.1to App 3 : Format of Letter of Credit</td>
<td>100-107</td>
</tr>
<tr>
<td>• Appendix - 4 Price Adjustment due to Variation in Price Indices</td>
<td>108-113</td>
</tr>
<tr>
<td>• Appendix - 5 Performance Guarantees</td>
<td>114-116</td>
</tr>
<tr>
<td>• Appendix - 6 List of Approved Sub-Contractors / Vendors</td>
<td>117</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5</th>
<th>Special Conditions of Contract</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Special Conditions of Contract</td>
<td>118-121</td>
</tr>
<tr>
<td>• Annexure - A-1 Quality and Quantity of Imported Oils, Grease, Lubricants, Chemicals, etc.</td>
<td>122</td>
</tr>
<tr>
<td>• Annexure - A-2 Quality and Quantity of Indigenous Oils, Grease, Lubricants, Chemicals, etc.</td>
<td>123</td>
</tr>
<tr>
<td>• Annexure - B-1 List of Imported Special Tools &amp; Tackles</td>
<td>124</td>
</tr>
<tr>
<td>• Annexure - B-2 List of Indigenous Special Tools &amp; Tackles</td>
<td>125</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6</th>
<th>General Conditions of Contract</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Index</td>
<td>126-127</td>
</tr>
<tr>
<td>• General Conditions of Contract</td>
<td>128-226</td>
</tr>
<tr>
<td>• Annexure – I Performance Bank Guarantee</td>
<td>227-229</td>
</tr>
<tr>
<td>• Annexure – II Bank Guarantee for Release of Payment against Commissioning Certificate</td>
<td>230-232</td>
</tr>
<tr>
<td>• Annexure – III Bank Guarantee for Release of Payment against Performance Guarantee Certificate</td>
<td>233-235</td>
</tr>
<tr>
<td>• Annexure – IV Proforma for Custody cum Indemnity Bond</td>
<td>235A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7</th>
<th>Safety Code for Contractors</th>
</tr>
</thead>
<tbody>
<tr>
<td>• IPSS in Steel Industries</td>
<td>236-238</td>
</tr>
<tr>
<td>• General Terms &amp; Conditions</td>
<td>239-249</td>
</tr>
<tr>
<td>• Annexure-1A : Safety Induction Form</td>
<td>250</td>
</tr>
<tr>
<td>• Annexure-1B : Work Clearance Form for Contractor</td>
<td>251</td>
</tr>
<tr>
<td>• Annexure-1C : Injury on Work</td>
<td>252-254</td>
</tr>
</tbody>
</table>
INDEX

INVITATION FOR BIDS

A. INVITATION FOR BIDS
   (Case where Pre-qualification is not carried out) ......................... 3-4

B. INVITATION FOR BIDS
   (Case where Pre-qualification is carried out) ............................... 5-6
Invitation for Bids
[Case where Pre-qualification is not carried out]

1. Steel Authority of India Limited, ........................................ [Name of the Unit], hereinafter referred to as "Employer", invites sealed bids from eligible Bidders for design & engineering; civil engineering work; dismantling, if any, of existing buildings, structures & equipment; fabrication & supply of steel structures; manufacture (including associated purchases and / or sub-contracting) & supply of plant & equipment and refractories; intermediate storage; insurance & handling; erection work; testing; pre-commissioning; start-up & commissioning and demonstration & establishment of performance guarantee parameters of the Facilities [brief description of the Facilities] on Divisible Turnkey Contract basis.

2. Bidders should have experience in execution of the above mentioned works on Divisible Turnkey basis and have already installed similar Facilities. While making written request for purchasing the Bidding Documents, Bidders should furnish details of such Orders / Contracts executed by them and the list of clients where similar Facilities have been installed by the Bidder which are in operation. [A brief description of the basic minimum qualification criteria that Bidders must meet, to be included. The description may be less detailed but not more restrictive than the criteria specified in the Bid Data Sheet.]

3. Interested Bidders may obtain further information from the office of ............................................................ [name, address and telefax / e-mail / telephone numbers of appropriate office of the Employer].

4. A complete set of bidding documents may be purchased by any interested Bidder on submission of a written application to the above and upon payment of a non-refundable fee of ................. [amount in Rupees or equivalent amount in any freely convertible foreign currency in case of Overseas Bidders].

5. The bid will consist of three parts, Part-I - “Bid Security”, Part-II - “Eligibility Criteria Fulfillment & Techno-Commercial Bid” & Part-III - “Price Bids” only. Part-I - “Bid Security” & Part-II - “Eligibility Criteria Fulfillment & Techno-Commercial” bids will be opened in the presence of the Bidder's representatives who choose to attend at .......... [time] on .......... [date] and at the office of ......................... [name, address and telefax / e-mail / telephone numbers of appropriate office of the Employer]. Part-III - “Price” bids will be opened later in the presence of the Bidder’s representatives who choose to attend at the time and date and at the address given in the letter of
invitation to be issued by the Employer after evaluation of Technical & Commercial bids.

6. Bids must be accompanied by a bid security for an amount of .......... *fixed amount in Rupees* or .......... *equivalent amount in any freely convertible foreign currency* in the following forms:

(a) a Bank Draft / Pay Order or
(b) a Bank Guarantee in the form provided in the bidding documents, or
(c) a Cash Receipt in case of deposit at SAIL, .......... *Name of the Unit*, Cash Counter.

Signature :

_____________________________________

Name and Title of the _____________________

Authorised person

_____________________________________

Employer: 

_____________________________________

Seal :
Projects

Invitation for Bids
[Case where Pre-qualification is carried out]

1. Steel Authority of India Limited, ............................... [Name of the Unit], hereinafter referred to as "Employer", invites sealed bids from pre-qualified Bidders for design & engineering; civil engineering work; dismantling, if any, of existing buildings, structures & equipment; fabrication & supply of steel structures; manufacture (including associated purchases and / or sub-contracting) & supply of plant & equipment and refractories; intermediate storage; insurance & handling; erection work; testing; pre-commissioning; start-up & commissioning and demonstration & establishment of performance guarantee parameters of the Facilities [brief description of the Facilities] on Divisible Turnkey Contract basis.

2. Pre-qualified Bidders may obtain further information from the office of ...................................................... [name, address and telefax / e-mail / telephone numbers of appropriate office of the Employer].

3. A complete set of bidding documents may be purchased by any pre-qualified Bidder on submission of a written application to the above and upon payment of a non-refundable fee of ..................... [amount in Rupees or equivalent amount in any freely convertible foreign currency in case of Overseas Bidders].

4. The bid will consist of three parts, Part-I - "Bid Security", Part-II - “Eligibility Criteria Fulfillment & Techno-Commercial Bid" & Part-III - “Price Bids” only. Part-I - “Bid Security” & Part-II - “Eligibility Criteria Fulfillment & Techno-Commercial” bids will be opened in the presence of the Bidder’s representatives who choose to attend at ........... [time] on .......... [date] and at the office of ................................ [name, address and telefax / e-mail / telephone numbers of appropriate office of the Employer]. Part-III - “Price” bids will be opened later in the presence of the Bidder’s representatives who choose to attend at the time and date and at the address given in the letter of invitation to be issued by the Employer after evaluation of Technical & Commercial bids.

5. Bids must be accompanied by a bid security for an amount of ............ [fixed amount in Rupees] or ............ [equivalent amount in any freely convertible foreign currency] in the following forms:
   (a) a Bank Draft / Pay Order or
   (b) a Bank Guarantee in the form provided in the bidding documents, or
(c) a Cash Receipt in case of deposit at SAIL, .......... [Name of the Unit], Cash Counter.

Signature: ______________________________

Name and Title of the _____________________

Authorised person

_______________________________

Employer:

_______________________________

Seal :
## INDEX

### INSTRUCTIONS TO BIDDERS

**A. Introduction**

1. Eligible Bidders ............................................................................................................... 9  
2. Facilities - Plant, Equipment, & Services ................................................................. 9  
3. Cost of Bidding ............................................................................................................. 9  

**B. The Bidding Document**

4. Content of Bidding Documents ................................................................................. 9-10  
5. Clarification of Bidding Documents ........................................................................... 10-12  
6. Amendment of Bidding Documents .......................................................................... 12  

**C. Preparation of Bids**

7. Language of Bid ............................................................................................................ 13  
8. Documents Comprising the Bid .................................................................................. 13-18  
9. Bid Form and Price Schedules .................................................................................... 18  
10. Bid Prices ................................................................................................................... 19-21  
11. Bid Currencies ........................................................................................................... 21-22  
12. Bid Security ................................................................................................................ 22-23  
13. Period of Validity of Bid ......................................................................................... 23  
14. Format and Signing of Bid ....................................................................................... 23  

**D. Submission of Bids**

15. Sealing and Marking of Bids ..................................................................................... 24  
16. Deadline for Submission of Bids ............................................................................. 24  
17. Late Bids .................................................................................................................... 24  
18. Modification and Withdrawal of Bids .................................................................... 24-25  

**E. Opening and Evaluation of Bids**

19. Opening of Bids by Employer ................................................................................... 25  
20. Clarification of Bids .................................................................................................... 26  
21. Preliminary Examination of Bids ............................................................................... 26-27  
22. Technical Evaluation of Bid ...................................................................................... 27-28  
23. Qualification ............................................................................................................... 28
F. Clarification Meeting........................................................................................................... 28

24. Clarification of Bids and Review of Bidders’ Proposed Deviations & Alternative Solutions .............................................. 28-29
25. Invitation to Submit Updated Bids ............................................................................... 29-30

G. Preparation of Updated Bids.............................................................................................. 30

26. Document Comprising the Updated Bid........................................................................ 30-31
27. Updated Bid Form and Price Schedule ..................................................................... 32
28. Period of Validity of Updated Bid .............................................................................. 32
29. Format and Signing of Updated Bids .......................................................................... 32

H. Submission of Updated Bids ............................................................................................. 32

30. Sealing and Marking of Updated Bids ........................................................................ 32-33
31. Deadline for Submission of Updated Bids ................................................................ 33
32. Late Bids ..................................................................................................................... 33
33. Modification and Withdrawal of Bids ...................................................................... 33-34

I. Opening and Evaluation of Updated Bids ........................................................................... 34

34. Opening of Updated Bids by Employer .................................................................... 34-35
35. Preliminary Examination of Updated Bids ............................................................... 35-36
36. Conversion of Single Currency ................................................................................. 36
37. Technical Evaluation of Revised Bid .......................................................................... 36
38. Commercial Evaluation of Revised Bid .................................................................... 37-39
39. Contacting the Employer ............................................................................................ 39

J. Award of Contract ................................................................................................................ 40

40. Changes in Qualification Status .................................................................................... 40
41. Award Criteria ................................................................................................................ 40
42. Employer’s Right to Accept Any Bid and to Reject Any or All Bids ......................... 40
43. Notification of Award .................................................................................................... 40
44. Signing the Contract Agreement .................................................................................. 41
45. Performance Security (Performance Bank Guarantee) .............................................. 41
46. Accommodation for Contractor’s Employees / Labours ............................................ 41
47. Transfer of Bid Document ............................................................................................ 41
48. Funding by Bidder ........................................................................................................ 42
49. General .......................................................................................................................... 42
INSTRUCTIONS TO BIDDERS

A. INTRODUCTION

1. Eligible Bidders
   1.1 This Invitation for Bids, issued by the Employer, is open to all the Bidders (Domestic, International or a consortium thereof) meeting the eligibility criteria stipulated in the Invitation for Bids.
   1.2 Bidders (including all the members of their consortium) who are associated for this Tender with Consultant or any of its associates that have been engaged by the Employer to provide Consultancy Services for the preparation of design Specifications & other documents to be used for procurement of the Facilities to be purchased and installed under this Invitation are ineligible to bid for this tender.

Bidder (including all the members of their consortium) shall not directly or indirectly, take any service or assistance from the above referred Consultant for the above work and for any work related to 7.0 Mt BSP Expansion, if he becomes successful bidder.

1.3 The Employer's Consultant(s) for the Facilities shall not be eligible to submit their bid.

2. Facilities - Plant, Equipment & Services
   2.1 For the purposes of these Bidding Documents, the word “Facilities" means the plant and equipment to be designed, manufactured, supplied and installed, together with the civil engineering work, steel structural work, refractory work and installation services to be carried out by the Contractor under the Contract. The words “plant & equipment,” “installation services,” etc., shall be construed in accordance with the respective definitions given to them in the General Conditions of Contract.

3. Cost of Bidding
   3.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Employer will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

B. THE BIDDING DOCUMENTS

4. Content of Bidding Documents
   4.1 The Facilities required, bidding procedures, Contract terms and technical requirements are prescribed in the Bidding Documents. The Bidding Documents include the following sections:

   1) Invitation for Bids (IFB)
2) Instructions to Bidders (ITB) and Annexures 1-9
   Annexure-1 : Bid Forms
   Annexure-2 : Bid Security Form
   Annexure-3 : Form of Preliminary Acceptance Certificate
   Annexure-4 : Form of Commissioning Certificate
   Annexure-5 : Form of Performance Guarantee Certificate
   Annexure-6 : Form of Final Acceptance Certificate
   Annexure-7 : Change Order Procedures
   Annexure-8 : Guidelines for Indian Agents of Overseas Suppliers.
   Annexure-9 : Check list for submission of Bid

3) Bid Data Sheet (BDS)

4) Form of Contract Agreement and Appendices 1-6
   Appendix-1 : Price Schedules
   Appendix-2 : Time Schedule
   Appendix-3 : Terms of Payment
   Att.1 to App.3: LC Format
   Appendix-4 : Price Adjustment due to Variation in Price Indices
   Appendix-5 : Performance Guarantees
   Appendix-6 : List of Approved Sub-Contractor(s)/Vendors

5) Special Conditions of Contract (SCC) & Annexures A1,A2, B1& B2

6) General Conditions of Contract (GCC) and Annexures I - III

7) Technical Specifications (TS)

8) General Technical Specifications (GTS)

9) Safety Code for Contractors

4.2 The Bidder is expected to examine all instructions, forms, terms, specifications and other information in the Bidding Documents. Failure to furnish all information required by the Bidding Documents or submission of a bid not substantially responsive to the Bidding Documents in every respect will be at the Bidder’s risk and may result in rejection of its bid.

5. Clarification of Bidding Documents

5.1 The Bidder is required to carefully examine the Bidding Documents, terms & conditions of Form of Agreement, drawings and other details relating to work given in the Bidding Documents and fully acquaint himself as to all conditions and matters which may in any way affect the work or the cost thereof. Bidder is deemed to have known the scope, nature and magnitude of the work and the requirements of materials, labour involved, etc.
5.2 A prospective Bidder requiring any clarification of the Bidding Documents may notify the Employer in writing or by cable, telefax or e-mail at the Employer’s mailing address indicated in the **Bid Data Sheet**. In particular, if a Bidder desires to seek any clarification on the documents including those listed in **ITB Sub-Clauses 21.3 & 35.4**, such a clarification should be raised at this stage. The Employer will respond in writing to any request for clarification or modification of the Bidding Documents that it receives no later than fifteen (15) days prior to the deadline for submission of bids prescribed by the Employer. Written copies of the Employer’s response will be sent to all prospective Bidders that have purchased the Bidding Documents.

Any clarification issued prior to submission of Bids would be put on the Employer’s web site. All prospective bidders would be presumed to have examined all clarifications on the website & have submitted their bids accordingly. A copy of such clarifications duly signed and stamped shall be enclosed with the Bid. In case any queries remain un-replied, it shall be construed that in respect of those queries, the respective stipulations of the Bidding Documents shall continue to apply and/or no new stipulations are made with respect to those queries.

5.3 The Bidder shall be deemed to have visited and examined the site where the Facilities are to be installed and its surroundings and obtained for itself on its own responsibility all information, the nature & details of existing structures, if any, and also as to the nature & conditions of Railways, roads, bridges & culverts, means of transport & communications, whether by land, water or air and as to possible interruptions thereto and access and aggression from the site, to have made independent enquiries, examined and fully satisfied itself as to the sources for obtaining sand, stones, bricks and all other construction materials, underground existing services, sub-soil conditions, subsoil water conditions, storms, prevailing winds, climatic conditions and all other similar matters which may affect the work, that may be necessary for preparing the bid and entering into a Contract for supply and installation of the Facilities. The costs of visiting the site shall be at the Bidder’s own expense.
5.4 The prospective Bidder and any of its authorized personnel or representative will be granted permission by the Employer to enter upon its premises and lands for the purpose of such inspection, but only upon the express condition that the prospective Bidder, its personnel and representative will release and indemnify the Employer and its representatives from and against all liability in respect thereof and will be responsible for death or personal injury, loss of or damage to property and any other loss, damage, costs and expenses incurred as a result of the inspection.

5.5 The bidder shall be deemed to have acquainted itself of local/ Government taxes, duties, laws, statute, regulations, levies and other charges relating to supplies to be made, services to be rendered and works to be done at site as applicable at the work site.

5.6 Any neglect or omission or failure on the part of the Bidder in obtaining necessary and reliable information as stated above or on any other matter affecting the Bidder, shall not relieve the Bidder from any risk or liability or the entire responsibility for completion of the work in accordance with the Bidding Documents.

6. Amendment of Bidding Documents

6.1 At any time, but latest ten days prior to the deadline for submission of bids, the Employer may, for any reason, whether at its own initiative, or in response to a clarification requested by a prospective Bidder, amend the Bidding Documents.

6.2 The amendment will be notified in writing or by cable or telefax or e-mail, to all prospective Bidders that have purchased the Bidding Documents and will be binding on them. Bidders are required to immediately acknowledge receipt of any such amendment, and it will be assumed that the information contained therein will have been taken into account by the Bidder in its bid.

Any amendment issued prior to submission of Bids would be put on the Employer’s web site. All prospective bidders would be presumed to have examined all amendments on the website & have submitted their bids accordingly. A copy of such amendments duly signed and stamped shall be enclosed with the Bid.

6.3 In order to afford prospective Bidders reasonable time to take the amendment into account in preparing their bid, the Employer may, at its discretion, extend the deadline for the submission of bids in which case the Employer will notify all the Bidders that have purchased the Bidding Documents in writing or cable or telefax or e-mail, of the extended deadline. Notification of extension, if any, of the deadline for submission of bids, shall be put on the Employer’s web-site also.
C. PREPARATION OF BID

7. Language of Bid

7.1 The bid prepared by the Bidder and all correspondence & documents related to the bid exchanged by the Bidder and the Employer, shall be written in the English language. In case any printed literature furnished by the Bidder, is written in another language, it must be accompanied by a translation of its pertinent passages in the English language and for the purposes of interpretation of the bid, such translation shall govern.

8. Documents Comprising the Bid

8.1 The bid duly completed and signed by the Bidder together with Attachments identified in ITB Sub-Clause 8.3 hereof, should be submitted and shall comprise the following documents in separate sealed covers:

Part - I : This part shall be marked as “BID SECURITY” and shall not contain any price at all.

Part - II : This part shall be marked as “Eligibility Criteria Fulfilment & TECHNO-COMMERCIAL BID” and shall not contain any price at all.

Part - III : This part shall be marked as “PRICE BID” and shall contain prices only without any terms and conditions.

Note : Any footnotes, remarks etc. made in the Price Bid must also appear in the Un-priced copy thereof to be submitted with Part-II of the Bid. In case of any discrepancy between the footnotes, remarks etc. made in the Un-priced copy of Price Bid and those in the Priced Price Bid, the stipulations made in the Un-priced copy of Price Bid shall prevail for the purpose of price bid evaluation. Footnotes, remarks etc. made only in the Price Bid and not featuring in the Un-priced copy shall not be taken into cognizance and shall be ignored.

8.2 Bidders shall note that they are permitted to propose technical alternatives or other alternative bids with their bids in addition to or in lieu of the Scope of Facilities and requirements specified in the Bidding Documents, provided they can substantiate through document that the proposed alternative bids are to the benefit of the Employer, that they fulfil the principal objectives of the Tender, and that they meet the basic performance and technical criteria specified in the Bidding Documents.

Any alternative bid proposed by Bidder will be subject of discussions during the clarification meeting with the bidder.
8.3 **Attachments to the Bid**

Each Bidder shall submit with its bid the following attachments:

(a) **Attachment 1 : Bid Security**

A bid security furnished in accordance with [ITB Clause 12](#).

(b) **Attachment 2 : Power of Attorney**

A power of attorney, duly authenticated by a Notary Public, indicating that the person(s) signing the bid have the authority to sign the bid and thus that the bid is binding upon the Bidder during the full period of its validity, in accordance with [ITB Clause 13](#).

(c) **Attachment 3 : Bidder’s Eligibility & Qualifications**

Where pre-qualification is not done, documentary evidence established in accordance with [Bid Data Sheet](#) that the Bidder is eligible to bid and is qualified to perform the Contract if its bid is accepted.

The documentary evidence of the Bidder’s qualifications to perform the Contract, if its bid is accepted, shall establish to the Employer’s satisfaction that the Bidder has the financial, technical, manufacturing, production, procurement, shipping, installation, and other capabilities necessary to perform the Contract and, in particular, meets the experience and other criteria outlined in the [Bid Data Sheet](#).

Bids submitted by a consortium (not more than five parties as members) shall comply with the following requirements:

(i) The bid shall include all the information on eligibility/qualification and experience required for a Bidder as described in Bidding Documents including Attachment 3 as described above, for each consortium member.

(ii) The bid shall be signed so as to be legally binding on all members.

(iii) One of the members, responsible for performing a key component of the Contract, shall be designated as leader, this authorisation shall be evidenced by submitting with the bid a power of attorney signed by legally authorised signatories.
(iv) The leader shall be authorised to incur liabilities and receive instructions for and on behalf of any & all members of the consortium, and the entire execution of Contract, including payment, shall be done exclusively with the leader.

However, payments shall be released directly to consortium members provided the Leader of the consortium submits a general authorisation document, authorising the Employer to release payment to its consortium members directly.

(v) All members of the consortium shall be responsible and liable jointly and severally for the execution of the Contract in accordance with the Contract terms.

(vi) A copy of the Memorandum of Understanding (MOU) entered into by the consortium members prior to stipulated due date of submission of bids and valid till Time for Completion plus Defect Liability Period for the Facilities shall be submitted with the bid containing division of work of each member, their joint and several responsibilities and liabilities which shall be followed by a firm agreement on becoming a successful bidder and to be submitted before signing of the Contract.

In order for a consortium to qualify, each of its members or combination of members must meet the minimum criteria listed for an individual Bidder, in accordance with Bid Data Sheet, for the component of the Contract that they are designated to perform. Failure to comply with this requirement will result in rejection of the Consortium’s bid.

(vii) Separate bid by a consortium member will not be accepted.

A party can be a member in only one consortium; bids submitted by such consortia which include the same party as member and/or leader will be rejected.

(viii) Inclusion of any additional (new) member in a consortium is not permitted after submission of Bids.
(ix) For the purpose of formation of consortium, a member shall be an independent and single legal entity as per laws of India or as per laws in the country of such member and should have its own independent financial accounting system as per laws of India or as per laws in the country of such member. Copies of supporting documents in this regard duly signed & stamped with date by a Notary Public, Local Chamber of Commerce, any Legal Authority of the Bidder’s country or Authorised representative of Indian Embassy / Consulate in Bidder’s Country shall be submitted with Part-I of the Bid.

In the case of a Bidder who offers to supply and / or install plant and equipment under the Contract that the Bidder did not manufacture or otherwise produce and / or install, the Bidder shall:

- have the financial and other capabilities necessary to perform the Contract;
- have been duly authorised by the manufacturer or producer of the related plant and equipment or component to supply and / or install that item in the Employer’s country; and
- be responsible for ensuring that the manufacturer or producer complies with the requirements of ITB Sub-Clause 1 and meets the minimum criteria listed for an individual Bidder for that item.

(d) Attachment 4: Eligibility and Conformity of the Facilities

Documentary evidence established in accordance with ITB Clause 2 that the Facilities offered by the Bidder in its bid or in any alternative bid (if permitted) are eligible & conform to Bidding Documents.

The documentary evidence of the eligibility of the Facilities shall consist of a statement on the country of origin of the plant and equipment offered which shall be confirmed by a certificate of origin issued at the time of shipment.

The documentary evidence of the conformity of the Facilities to the Bidding Documents may be in the form of literature, drawings and data, and the Bidder shall furnish:

(i) a detailed description of the essential technical and performance characteristics of the Facilities,
(ii) a list giving full particulars, including available sources, of all spare parts, special tools, etc., necessary for the proper and continuing functioning of the Facilities for the period of two (2) years (specified in the Bid Data Sheet), following Completion of Facilities in accordance with the provisions of the Contract,

(iii) commentary on the Employer’s Technical Specifications and adequate evidence demonstrating the substantial responsiveness of the Facilities to those specifications. Bidders shall note that the standards for workmanship, materials and equipment designated by the Employer in the Bidding Documents are intended to be descriptive (establishing standards of quality and performance) only and not restrictive.

The Bidder may substitute alternative standards, brand names and / or catalogue numbers in its bid, provided that it demonstrates to the Employer’s satisfaction that the substitutions are substantially equivalent or superior to the standards designated in the Technical Specifications.

(e) Attachment 5: Sub-Contractors / Vendors Proposed by the Bidder

The Bidder shall choose its Sub-Contractors / Vendors from the approved list of Sub-Contractors / Vendors as provided in Appendix 6 to the Form of Contract Agreement, Bidding Documents, for all major items of supply or services. However, the Bidder shall indicate details of all major items of supply or services that it proposes to purchase or sublet, and shall give details of the name and nationality of the Sub-Contractors / Vendors for each of these items. Bidders are free to list more than one Sub-Contractor / Vendor against each item of the Facilities.

The Bidder may propose names of additional Sub-Contractors / Vendors for any items of supply or services.

The Bidder shall be responsible for ensuring that any Sub-Contractor / Vendor proposed by the Bidder, complies with the requirements of Bid Data Sheet and that any plant, equipment or services to be provided by the Sub-Contractors / Vendors comply with the requirements of ITB Clause 2 & Sub-Clause 8.3, Attachment 3.
The Employer reserves the right to reject or accept any or all the Sub-Contractors / Vendors proposed by the Bidder, prior to award of Contract, and after discussions with the Bidder during the clarification meeting between the Employer & the Bidder pursuant to **ITB Clause 24**. Accordingly **Appendix 6** to the Form of Contract Agreement shall be amended to include additional Sub-Contractors / Vendors for any item, if accepted by the Employer.

(f) **Attachment 6 : Deviations**

Bidders are required to quote strictly as per Bidding Documents. However, if they strongly feel that some minor deviation will improve their bids, such deviations, if any, from the terms & conditions or Technical Specifications shall be listed in Attachment 6 to the Bid only and nowhere else. The Bidder shall also provide the additional price, if any, for withdrawal of the deviations pursuant to **ITB Sub-Clause 10.2**.

Bidders shall give details of deviations, objections or reservations, other than alternative bids, from the requirements of the Bidding Documents, that they would like the Employer to consider during the clarification meeting with the Bidder, pursuant to **ITB Clause 24**.

However, the attention of the Bidders is drawn to the provisions of **ITB Sub-Clause 21.2** regarding the rejection of bids that are not substantially responsive to the requirements of the Bidding Documents.

(g) **Attachment 7 : Alternative Bid**

If alternative bid is permitted (specified in the **Bid Data Sheet**), Bidders wishing to offer technical alternatives to the requirement of the Bidding Documents must provide all information necessary for a complete evaluation of the alternatives by the Employer, including drawings, design calculations, technical specifications, proposed installation methodology and other relevant details. The Employer reserves the right to accept or reject alternative bids.

9. **Bid Form and Price Schedules**

9.1 The Bidder shall complete the Bid Forms (**Annexure-I**) and appropriate Price Schedules furnished in the Bidding Documents in the manner and detail indicated therein and submit the same with its bid.
10. Bid Prices

10.1 Bidders shall quote for the entire facilities on a “single responsibility” basis such that the total bid price covers all the Contractor’s obligations mentioned in or to be reasonably inferred from the bidding documents in respect of the design, manufacture, including procurement and subcontracting (if any), delivery, construction installation and completion of the facilities. This includes all requirements under the Contractor’s responsibilities for testing, pre-commissioning and commissioning of the facilities and, where so required by the bidding documents, the acquisition of all permits, approvals and licenses, etc.; the operation, maintenance and training services and such other items and services as may be specified in the bidding documents, all in accordance with the requirements of the General Conditions of Contract. Items against which no price is entered by the Bidder will not be paid for by the Employer when executed and shall be deemed to be covered by the prices for other items.

10.2 Bidders are required to quote the price for the commercial and technical obligations outlined in the bidding documents. If a Bidder wishes to make a deviation, such deviation shall be listed in Attachment 6 of its bid. The Bidder shall also provide in the Price Bid the additional price, if any, for withdrawal of the deviations pursuant to ITB Sub-Clause 8.3 (f).

10.3 Bidders shall give a break-up of the prices, as may be applicable to their bids, in the manner and detail called for in the Summary Price Schedule and Tables 1 - 14 furnished in Appendix-1 to the Form of Contract Agreement. Description of Tables are as under:

1. Price Schedule for Imported Design & Engineering
2. Price Schedule for Indigenous Design & Engineering
3. Price Schedule for Supply of Imported Plant & Equipment
4. Price Schedule for Supply of Indigenous Plant & Equipment
5. Price Schedule for Supply of Imported Refractories
6. Price Schedule for Supply of Indigenous Refractories
7. Price Schedule for Supply of Imported Commissioning Spares
8. Price Schedule for Supply of Indigenous Commissioning Spares
9. Price Schedule for Civil Engineering Work including all Supplies

10. Price Schedule for Supply of Fabricated Building Steel Structures & Erection of Building Steel Structures including Sheeting, Glazing & Final Painting


12. Price Schedule for Foreign Supervision Charges in India during Erection, Start-up, Commissioning & Performance Guarantee Tests

13. Price Schedule for Training Charges

14. Value of "Po" for Calculation of Price Adjustment due to Variation in Price Indices (Appendix-4)

All Bidders are to quote their prices as per Price Schedule (Table 1 to 14) and Summary Price Schedule. The total amount from relevant tables shall be summarised in a Summary Price Schedule giving the total Price(s) to be entered in the Bid Form.

Indian Bidder must clearly mention their PAN No. in the offer.

10.4 In the Schedules, Bidders shall give the required details and a breakdown of their prices as follows:

(a) Plant & equipment, refractories and commissioning spares to be supplied from abroad (Table No. 3, 5 & 7 respectively) shall be quoted on a “FOB” port of shipment. (Price basis shall be as per GCC clause 11.2.9)

(b) Plant & equipment and commissioning spares manufactured or fabricated and refractories manufactured within the Employer’s country (Table No. 4, 6 & 8 respectively) shall be quoted on “at-Employer’s site” basis, and shall be inclusive of all costs as well as duties and taxes paid or payable on components and raw materials incorporated or to be incorporated in the facilities.

(c) Local transportation, insurance and other local costs incidental to delivery of the indigenous plant & equipment, commissioning spares and refractories shall also be indicated in Table No 4, 6 & 8 respectively.

(d) Prices for storage, handling, erection, commissioning & performance guarantee tests of plant & equipment shall also be quoted separately in Table No. 11 and shall include prices for all labour, Contractor’s equipment, temporary stores & works, materials, consumables and all matters and things of whatsoever nature, including
operations and maintenance manuals, training, etc., where identified in the bidding documents, as necessary for the proper execution of the Installation Services, including all taxes, duties, levies and charges payable in the Employer's country as of Seven (7) days prior to the deadline for submission of bids.

(e) Recommended spare parts shall be quoted separately.

(f) The Bidder shall also provide the additional price, if any, for withdrawal of the deviations.

(g) Contract Price should not include any element of agency commission. However, if Overseas Bidder feels that the engagement of agent is necessary for attending to any work in India, the Overseas Bidder shall follow the "Guidelines for Indian Agents of Overseas Suppliers", enclosed as Annexure 8 and furnish required details.

10.5 The terms "at-site", "FOB", "CIF", etc., shall be governed by the rules prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, 38 Cours Albert 1, 75008 Paris, France.

10.6 The prices shall be in accordance with one of the following alternatives, as specified in the Bid Data Sheet:

(a) **Fixed Price.** Prices quoted by the Bidder shall be fixed during the Bidder’s performance of the Contract and not subject to variation on any account.

(b) **Adjustable Price.** Prices quoted by the Bidder shall be subject to adjustment during performance of the Contract to reflect variation in price indices in accordance with the procedures specified in Appendix-4 to the Form of Contract Agreement. A bid submitted with a fixed price quotation will not be rejected, but the price adjustment will be treated as zero. The price adjustment provision will not be taken into consideration in bid evaluation. Bidders are required to indicate the source price indices in the said Appendix-4.

11. **Bid Currencies**

11.1 Prices shall be quoted in the following currencies:

(a) Plant and equipment covered under ITB Sub-Clause 10.4 (a) to be supplied from abroad shall be quoted in any freely convertible foreign currency.

(b) Plant and equipment covered under ITB Sub-Clause 10.4 (b) to be supplied from within the Employer’s country shall be quoted in the currency of the Employer’s country.
(c) Local transportation, insurance and other local costs incidental to delivery of the plant and equipment covered under ITB Sub-Clause 10.4 (c) and storage, handling, erection, commissioning & performance guarantee tests of plant & equipment covered under ITB Sub-Clause 10.4 (d) shall be quoted in either foreign and/or local currency, depending upon the currency in which the costs are to be incurred and in accordance with the provisions of ITB Sub-Clause 10.4 (a) & (b) above.

12. Bid Security  

12.1 The Bidder shall furnish, as part of its bid, a bid security for the amount stipulated in the Bid Data Sheet in Indian Rupees, or in the equivalent amount in any freely convertible foreign currency.

12.2 The bid security shall, at the Bidder’s option, be in the form of a Letter of Credit or Bank Guarantee from any Indian Nationalised or Scheduled Commercial Bank, located anywhere in India. The format of the Bank Guarantee shall be in accordance with the form of bid security included in the Bidding Documents; other formats may be permitted, subject to the prior approval of the Employer. Bid security shall remain valid for a period of sixty (60) days beyond the original bid validity period, and beyond any extension subsequently requested under ITB Sub-Clauses 13.2 & 28.2.

12.3 Any bid not accompanied by bid security of an amount stipulated in the Bid Data Sheet, shall be rejected by the Employer as being non-responsive. The Bid Security in the case of a consortium, can be submitted by any member of the consortium.

12.4 The bid securities of unsuccessful Bidders will be returned as promptly as possible within thirty (30) days after the award of Contract to the successful Bidder.

12.5 The bid security of the successful Bidder will be returned when the Bidder has signed the Contract Agreement, pursuant to ITB Clause 44, and has furnished the required performance security (Performance Bank Guarantee, pursuant to ITB Clause 45).

12.6.1 The bid security shall be forfeited if the Bidder withdraws its bid during the period of bid validity specified by the Bidder in the Bid Form, or
### 12.6.2
The risk purchase action including forfeiting the bid security, shall be taken against the Bidder and in turn the Facilities shall be got executed by any other party at the risk and cost of the successful Bidder, if a Bidder fails to sign the Contract Agreement within the specified period in accordance with ITB Clause 44, or furnish performance security (Performance Bank Guarantee) within the specified period, in accordance with ITB Clause 45 and GCC Sub-Clause 13.2.1.1.

### 13. Period of Validity of Bid

#### 13.1
Bids shall remain valid for the period indicated in the Bid Data Sheet. A bid valid for a shorter period shall be rejected by the Employer as being non-responsive.

#### 13.2
The Employer may solicit the Bidders’ consent to an extension of the bid validity period. The request and responses thereto shall be made in writing or by cable. If a Bidder accepts to extend the period of validity, the bid security shall also be extended by the Bidder accordingly. A Bidder may refuse the request without forfeiting its bid security. A Bidder accepting such request, shall neither modify its bid by its own nor be permitted by the Employer to modify its bid.

### 14. Format and Signing of Bid

#### 14.1
The Bidder shall prepare an original and fifteen (15) copies / sets of Part-I and Part-II of bids clearly marking each one as: “ORIGINAL-BID”, “COPY No. 1”, “COPY No. 2”, etc., as appropriate. In the event of any discrepancy between the original and any copy, the original shall govern.

Part-III (Price Bids) shall be submitted in One Original plus four (4) copies.

#### 14.2
The original and all copies of the bid, each consisting of the documents listed in ITB Clause 8, shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorised to bind the Bidder to the Contract. The letter of authorisation shall be through power of attorney accompanying the Bid and submitted as Attachment 2 to the Bid under ITB Sub-Clause 8.3 (b). All pages of the bid, shall be initialled by the person or persons signing the bid.

#### 14.3
Any alteration, omission, addition, interlineations, erasures or overwriting shall only be valid if they are initialled by the person or persons signing the bid.

#### 14.4
For Technical & Commercial deviation included in Part-II of Bid, if any, bidders shall submit soft copy of the same in MS Word Format in CD in sealed envelope with Part-II of the bid. However “Technical & Commercial deviation included in Part-II indicated in the hard copy shall prevail”

Bidders shall also submit soft copy (in MS EXCEL format) of the “Price” in CD along with Price Bid in the sealed envelope. However, price indicated in the Hard Copy (Original) shall prevail.
D. SUBMISSION OF BIDS

15. Sealing and Marking of Bids

15.1 The Bidders shall seal the original Part-I, Part-II (Technical & Commercial) and Part-III (Price) bids and each copy of the bids in separate envelopes, each containing the documents specified in ITB Clause 8, and shall mark the envelopes as “Original” and “Copies,” all duly marked as required in ITB Sub-Clause 14.1. The envelopes shall be sealed in an outer envelope.

15.2 The inner and outer envelopes shall

(a) be addressed to the Employer at the address given in the Bid Data Sheet, and

(b) bear the Contract name indicated in the Bid Data Sheet, the Invitation for Bids title and number indicated in the Bid Data Sheet, and the statement “DO NOT OPEN BEFORE ______ (date),” to be completed with the time and date specified in the Bid Data Sheet, pursuant to ITB Sub-Clause 19.1.

15.3 The inner envelopes shall each indicate the name and address of the Bidder so that the bid can be returned unopened in case it is declared “late or otherwise found not fit to be opened.”

15.4 If the outer envelope is not sealed and marked as required by ITB Sub-Clauses 15.2, the Employer will assume no responsibility for the bid’s misplacement or premature opening.

16. Deadline for Submission of Bids

16.1 Bids must be received by the Employer at the address specified under ITB Sub-Clause 15.2 and no later than the time and date (deadline) stated in the Bid Data Sheet.

16.2 The Employer may, at its discretion, extend this deadline for submission of bids by amending the bidding documents in accordance with ITB Sub-Clause 6.3, in which case all rights and obligations of Employer and Bidders will thereafter be subject to such extended deadline.

17. Late Bids

17.1 Any bid received by the Employer after the bid submission deadline prescribed by the Employer, pursuant to ITB Clause 16, will be rejected and filed unopened.

18. Modification and Withdrawal of Bids

18.1 The Bidder may modify or withdraw its bid after submission, provided that written notice of the modification or withdrawal is received by the Employer prior to the deadline prescribed for bid submission.

18.2 The Bidder’s modifications specified in ITB Sub-Clause 18.1, shall be prepared, sealed, marked and dispatched as follows:
(a) The Bidders shall provide one original plus 15 (fifteen) copies of any modifications to its bid, clearly identified as such, in two inner envelopes duly marked “Bid Modifications—Original” and “Bid Modifications—Copies.” The inner envelopes shall be sealed in an outer envelope, which shall be duly marked “Bid Modifications.”

(b) Other provisions concerning the marking and dispatch of bid modifications shall be in accordance with ITB Sub-Clauses 15.2, 15.3 & 15.4.

18.3 A Bidder wishing to withdraw its bid shall notify the Employer in writing prior to the deadline prescribed for bid submission. A withdrawal notice may also be sent by cable, but it must be followed by a signed confirmation copy, postmarked not later than the deadline for submission of bids. The notice of withdrawal shall

(a) be addressed to the Employer at the address named in the Bid Data Sheet, and

(b) bear the Contract name, the Invitation for Bid (IFB) number, and the words “Bid Withdrawal Notice”. Bid withdrawal notices received after the bid submission deadline will be ignored, and the submitted bid will be deemed to be a validly submitted bid.

18.4 No bid shall be withdrawn in the interval between the bid submission deadline and the expiration of the bid validity period specified in ITB Clause 13. Withdrawal of a bid during this interval may result in the Bidder’s forfeiture of its bid security, pursuant to ITB Sub-Clause 12.6.

18.5 Bids together with any modification specified under the clause shall be considered as ‘final’ bid at the time of opening of the bid.

E. OPENING AND EVALUATION OF BIDS

19. Opening of Bids by Employer

19.1 The Employer may open both Part I – “BID SECURITY” and Part II – “Eligibility Criteria Fulfilment & TECHNO-COMMERCIAL BID” including withdrawals and modifications, if any, made pursuant to ITB Clause 18, in the presence of Bidder’s designated representatives who choose to attend on the date and the time and at the venue as stipulated in the Bidding Documents. However, Part II will be opened only for those Bidder’s who would have furnished Cost of Bidding Documents and Bid Security as per stipulations of the IFB. Bidder’s authorized representatives may attend the opening and shall sign a register / document prepared by the Employer, as proof of their attendance.

At the time of opening of Part-I and Part-II of the bids, Part III - “Price Bid” shall not be opened by the Employer and same
shall be kept by the Employer unopened.

19.2 Bidders’ names, bids received, the presence of any alternative bids, the presence or absence of requisite bid security and other such details as the Employer, at its discretion, may consider appropriate, will be announced at the opening. No bid will be rejected at bid opening except for bids not accompanied with bid security and late bids, which will not be opened.

19.3 Bids that are not opened and read out at bid opening will not be considered for further evaluation, regardless of the circumstances.

# 20. Clarification of Bids

20.1 During bid evaluation, the Employer may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing. While responding no change in the price or substance of the bid shall be sought, offered or permitted unless asked by Employer after completion of evaluation of bids.

Correspondences made through E-mail by the Bidder with the Employer shall be followed by Fax and Post Copy.

# 21. Preliminary Examination of Bids

21.1 The Employer will examine the bids to determine whether they are complete, whether the documents have been properly signed and whether the bids are generally in order. Any bids found to be non-responsive for any reason or not meeting the minimum levels of the performance or other criteria specified in the Bidding Documents will be rejected by the Employer and not included for further consideration. The Employer will also carry out a preliminary examination of any alternative bids submitted by Bidders.

21.2 Prior to the detailed evaluation, the Employer will determine whether each bid is of acceptable quality, is complete and is substantially responsive to the bidding documents. For purposes of this determination, a substantially responsive bid is one that conforms to all the terms, conditions and specifications of the bidding documents without material deviations, objections, conditionality or reservations. A material deviation, objection, conditionality or reservation is one:

- (i) that affects in any substantial way the scope, quality or performance of the contract;
- (ii) that limits in any substantial way, inconsistent with the bidding documents, the Employer’s rights or the successful Bidder’s obligations under the contract; or
- (iii) whose rectification would unfairly affect the competitive position of other Bidders who are presenting substantially responsive bids.
21.3 In particular, bids with deviations from, objections to or reservations about critical provisions such as those concerning Bid Security (ITB Clause 12), Governing Law (GCC Clause 5), Taxes and Duties (GCC Clause 14), Defect Liability (GCC Clause 30), Performance Guarantees (GCC Clause 27), Patent Indemnity (GCC Clause 31) or Limitation of Liability (GCC Clause 32), as well as provisions specified in the Bid Data Sheet, if any, that the Bidder is not prepared to withdraw aforesaid deviations, objections or reservations at a stated withdrawal price given in the Price Bid, pursuant to ITB Sub-Clause 8.3 (f) & ITB Sub-Clause 10.2, will be treated as non-responsive. The Employer’s determination of a bid’s responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

22. Technical Evaluation of Bid

22.1 The Employer will carry out a detailed evaluation of the bids previously determined during preliminary examination of bids, to be substantially responsive, in order to determine whether the technical & commercial aspects are in accordance with the requirements set forth in the Bidding Documents. In order to reach such a determination, the Employer will examine and compare the technical and commercial aspects of the bids on the basis of the information supplied by the Bidders, pursuant to ITB Clause 8, and other requirements in the Bidding Documents, taking into account the following factors:

(a) overall completeness and compliance with the Technical Specifications and Drawings; the technical merits of alternatives offered and deviations from the Technical Specifications; suitability of the Facilities offered in relation to the environmental and climactic conditions prevailing at the site; quality, function and operation of any process control concept included in the bid

(b) achievement of specified performance criteria by the Facilities

(c) compliance with the time schedule called for in Appendix-2 to the Form of Contract Agreement and any alternative time schedules offered by Bidders, as evidenced by a milestone schedule provided in the bid

(d) type, quantity, and long-term availability of spare parts and maintenance services

(e) any other relevant technical factors, if any, listed in Bid Data Sheet, or that the Employer deems necessary or prudent to take into consideration

(f) Overall completeness and compliance with the commercial bid and any deviations to the commercial and Contractual provisions stipulated in the Bidding Documents.
22.2 The Employer will also review complete alternative bids, if any, offered by the Bidder, pursuant to ITB Sub-Clause 8.2, to determine whether such alternatives may constitute an acceptable basis for a further evaluation.

23. Qualification

23.1 The Employer will ascertain to its satisfaction whether Bidders determined as having submitted responsive bids are qualified to satisfactorily perform the Contract.

23.2 The determination will take into account the Bidder’s financial, technical and production capabilities, in particular its Contract, work in hand, future commitments, current litigation, if any, and past performance. It will be based upon an examination of the documentary evidence of the Bidder’s qualifications submitted by the Bidder, pursuant to ITB Sub-Clause 8.3 (c) Attachment 3, as well as such other information as the Employer deems necessary and appropriate.

23.3 An affirmative determination will be a prerequisite for the Employer to invite the Bidder to a clarification meeting in accordance with ITB Clause 24. A negative determination will result in rejection of the Bidder’s bid.

23.4 The capabilities of the Sub-Contractors and Vendors proposed in Attachment 5 to the bid will also be evaluated for acceptability. Their participation should be confirmed with a letter of intent between the parties, as needed. Should a Sub-Contractor or Vendor be determined to be unacceptable, the bid will not be rejected, but the Bidder will be required to substitute an acceptable Sub-Contractor/Vendor without any change to bid price.

F. CLARIFICATION MEETING

24. Clarification of Bids and Review of Bidders’ Proposed Deviations & Alternative Solutions

24.1 The Employer may conduct clarification meetings with each or any Bidder to clarify any aspects of its bid that require explanation at this stage of the evaluation. During these meetings, the Employer may bring to the attention of the Bidder any matters, technical or otherwise, where for whatever reason, it requires clarification / details about the bid, to be provided to the bid. All such amendments or changes required by the Employer will be listed in the Record Notes of discussions documenting the clarification meeting entitled “Changes Required Pursuant to Evaluation of the Employer” and will be formally notified to the Bidder as part of the invitation to submit the Updated Bid.

24.2 The Employer will advise the Bidder of any exceptions or deviations in the bid, pursuant to ITB Sub-Clause 8.3 (f), that are unacceptable and that are to be withdrawn in the Updated Bid, and of such exceptions or deviations that the Employer finds acceptable.
24.3 The Employer will also advise the Bidder whether the proposed alternative bid, if any, is acceptable, and will identify the degree (if any) to which such an alternative bid may be incorporated in the Bidder's Updated Bid.

24.4 As a result of techno-commercial discussions/clarifications, the bidders may be permitted to submit the "updated Price Bids" with break-up towards compliance of updated terms & conditions at Employer's discretion in a sealed cover at a date informed to the Bidders by the Employer.

During price opening, the envelope containing the original price bid or updated Price Bid, as the case may be, of only those bidders whose offers have been found to be techno-commercially acceptable shall be opened in presence of the authorised representative of Bidders, who choose to be present.

25. Invitation to Submit Updated Bids

25.1 At the end of the evaluation and after holding clarification meetings, the Employer will:

(a) issue an amendment, if any, to the Bidding Documents modifying, inter-alia and as needed, the evaluation criteria or other sections of the Instructions to Bidders, the Special Conditions of Contract, and the Technical Specifications and Commercial & Contractual Clauses resulting from the evaluation and clarification meetings, with the objective of improving competition without compromising essential project objectives.

(b) either

(i) invite a Bidder to submit an updated “Part-II "Eligibility Criteria Fulfilment & TECHNO-COMMERCIAL BID” of the bids based on the modifications (if any) listed in the “Changes Required Pursuant to Evaluation” annexed to the Record Notes of discussions of the clarification meetings held with the Bidder. In respect of “Part-III Price Bid”, Bidder shall have options either to confirm that un-opened “Part-III Price Bid” shall remain valid or fresh updated sealed “Price Bid” shall be submitted, or

(ii) invite a Bidder to submit an updated Techno-Commercial (Part-II) and Price Bid (Part-III) based on an alternative bid proposed by the Bidder in its bid with the modifications (if any) listed in the “Changes Required Pursuant to Clarification Meeting” annexed to the Record Notes of discussions of the clarification meetings held with the Bidder, or
(iii) notify a Bidder that its bid has been rejected on the grounds of being substantially non-responsive, or that the Bidder does not meet the minimum qualification requirements set forth in the Bidding Documents and bid may not subsequently be made responsive by the Bidder by correction of the nonconformity.

25.2 Bidders are not allowed to form new consortium (consortia) with other Bidders, nor change the members or structure of the consortium.

25.3 The deadline for submission of Updated Bids will be specified in the invitation to submit Updated Bids.

G PREPARATION OF UPDATED BIDS

26. Documents Comprising the Updated Bid

26.1 When submitting the Updated Bid in accordance with ITB Clause 25, the documents to be submitted are the following:

(a) A copy of the Record Notes of discussions of Clarification Meetings held with the Bidder;

(b) The updated Commercial Bid (Part-II), consisting of:

(i) Bid Form and Price Bid—Updated duly completed and signed by Bidder, together with all Attachments identified in subparagraph (d) below.

(ii) any other deviations and or modifications in the Commercial Bid (Part-II) as included in the Record Notes of discussions of the clarification meeting.

(c) The updated Technical Bid (Part-II), consisting of Updated Technical Specifications and Drawings and any other technical revisions required for the Original Bid as included in the Record Notes of discussions of the clarification meeting:

(d) Attachments to the Updated Bid:

(i) Attachment 1: Bidder's Eligibility & Qualifications

Any changes that may have occurred between the time of submitting the Original Bids and Updated Bids that have any material effect on the Bidder's eligibility and qualifications to perform the Contract.
(ii) **Attachment 2 : Eligibility & Conformity of the Facilities**

Documentary evidence established in accordance with **ITB Clause 2** that any additional or varied Facilities to be supplied and installed by the Bidder, in accordance with the requirements of the Record Notes of discussions of the clarification meetings, are technically acceptable.

The documentary evidence of the eligibility of the additional Facilities shall consist of a statement on the country of origin of the plant and equipment offered, which shall be confirmed by a certificate of origin issued at the time of shipment.

The documentary evidence of the conformity of the Facilities to the requirements of the Record Notes of discussions of the clarification meetings, may be in the form of literature, drawings and data.

(iii) **Attachment 3 : Sub-Contractors / Vendors proposed by the Bidder**

If the Bidder proposes to engage any Sub-Contractors / Vendors additional to those named in the approved list of Sub-Contractors / Vendors provided in the Bidding Documents and its Original Bid, it shall give details of the name and nationality of the proposed Sub-Contractor / Vendor, and the part of the Facilities it proposes subletting to them or purchasing from them. Bidders are free to list more than one Sub-Contractor / Vendor against each item of the Facilities. Quoted rates and prices will be deemed to apply whichever Sub-Contractor / Vendor is appointed, and no adjustment of the rates and prices will be permitted.

The Employer reserves the right to reject or accept any or all the proposed Sub-Contractor / Vendor from the list prior to award of Contract, and after discussion between the Employer and the Bidder. Accordingly **Appendix 6** to the Form of Contract Agreement shall be amended to include additional Sub-Contractors / Vendors for any item of work, if accepted by the Employer.
<table>
<thead>
<tr>
<th>Project</th>
<th>Directive Page</th>
<th>Instructions to Bidder</th>
<th>SAIL</th>
<th>May 2007</th>
</tr>
</thead>
</table>

### 27. Updated Bid Form and Price Schedules
27.1 After clarification meeting, Bidder shall have the following two options:

a) Bidder shall confirm that the Original Part-III “Price Bid”, which has not been opened remains unchanged even after “Changes Required Pursuant to Clarification Meeting” annexed to the Record Notes of discussions of the clarification meetings held with the Bidder, or

b) Bidder shall update its prices in the appropriate Price Schedules furnished along with Original Part III “Price Bid” and submit the updated Bid Form and Price Schedules in separate sealed cover.

### 28. Period of Validity of Updated Bid
28.1 Updated bids shall remain valid for the period named in the Letter of Invitation inviting Bidders to submit updated bids after the closing date for the receipt of updated bids prescribed by the Employer, pursuant to ITB Sub-Clause 31.1. A bid valid for a shorter period shall be rejected by the Employer as non-responsive.

28.2 In exceptional circumstances, the Employer may solicit the Bidders’ consent to an extension of the bid validity period. The request and responses thereto shall be made in writing or by cable. If a Bidder accepts to extend the period of validity, the bid security shall also be extended accordingly.

### 29. Format and Signing of Updated Bids
29.1 The Bidder shall prepare an original and fifteen (15) copies/sets of the updated Technical, Commercial & Price Bid in original and 4 copies specified in the Bid Data Sheet, clearly marking each one as “UPDATED BID—ORIGINAL,” “UPDATED BID—COPY NO. 1,” “UPDATED BID—COPY NO. 2,” etc. as appropriate. In the event of any discrepancy between the original and any copy, the original shall govern.

29.2 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or person(s) duly authorised to bind the Bidder to the Contract. The letter authorisation shall be indicated by written power of attorney accompanying the bid and submitted as Attachment 2 to the bid [specified in ITB Sub-Clause 8.3(b)]. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.

29.3 Any interlineations, erasures or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

### 30. Sealing and Marking of Updated Bids
30.1 The Bidders shall seal the original and each copy of the bid in separate envelopes, duly marking the envelopes as “UPDATED Bid—Original” and “UPDATED Bid—Copies.” The envelopes shall be sealed in an outer envelope.
30.2 The inner and outer envelopes shall be sealed and
(a) addressed to the Employer at the address given in the Bid Data Sheet and
(b) bear the Contract name, the Invitation for Bids title and number indicated in the invitation for Updated Bids, and the statement “DO NOT OPEN BEFORE ___” (to be completed with the time and date specified in the invitation, pursuant to ITB Sub-Clause 31.2).

30.3 The inner envelopes shall each indicate the name and address of the Bidder so that the bid can be returned unopened in case it is declared “late.”

30.4 If the outer envelope is not sealed and marked as required by ITB Sub-Clause 30.2, the Employer will assume no responsibility for the bid’s misplacement or premature opening. If the outer envelope discloses the Bidder’s identity, the Employer will not guarantee the anonymity of the bid submission, but this disclosure will not constitute grounds for bid rejection.

31. Deadline for Submission of Updated Bids

31.1 Updated bids must be received by the Employer at the address specified under ITB Sub-Clause 30.2 no later than the time and date stated in the invitation to submit the updated bids.

31.2 The Employer may, at its discretion, extend this deadline for submission of updated bids by amending the Bidding Documents in accordance with ITB Sub-Clause 6.3, in which case all rights and obligations of the Employer and Bidders will thereafter be subject to the deadline as extended.

32. Late Updated Bids

32.1 Any bid received by the Employer after the deadline for submission of updated bids prescribed by the Employer, pursuant to ITB Clause 30, will be rejected and filed unopened.

33. Modification and Withdrawal of Updated Bids

33.1 The Bidder may modify or withdraw its updated bid after submission, provided that written notice of the modification or withdrawal is received by the Employer prior to the deadline prescribed for bid submission.

33.2 The Bidder’s modifications shall be prepared, sealed, marked and dispatched as follows:

(a) The Bidders shall provide an original and the number of copies specified in the Bid Data Sheet of any modifications to its bid, clearly identified as such, in two envelopes, duly marked “UPDATED BID MODIFICATIONS—ORIGINAL” and “UPDATED BID MODIFICATIONS—COPIES.” The envelopes shall be sealed in an outer envelope, duly marked “UPDATED BID MODIFICATIONS.”
(b) Other provisions concerning the marking and dispatch of bid modifications shall be in accordance with ITB Sub-Clauses 30.2, 30.3 and 30.4.

33.3 A Bidder wishing to withdraw its bid shall notify the Employer in writing prior to the deadline prescribed for the submission of updated bids. A withdrawal notice may also be sent by cable, but must be followed by a signed confirmation copy, postmarked not later than the deadline for submission of bids. The notice of withdrawal shall:

(a) be addressed to the Employer at the address named in the Bid Data Sheet and

(b) bear the Contract name, the IFB number, and the words “UPDATED BID WITHDRAWAL NOTICE.” Updated Bid Withdrawal Notices received after the deadline for submission of updated bids will be ignored, and the submitted updated bid will be deemed to be a validly submitted bid.

33.4 No updated bid may be modified or withdrawn in the interval between the deadline for submission of updated bids and the expiration of period of bid validity specified in ITB Clause 28. Withdrawal of a updated bid during this interval may result in the Bidder’s forfeiture of its bid security, pursuant to ITB Sub-Clause 12.6.

I. UPDATED BIDS OPENING AND EVALUATION

34. Opening of Updated Bids by Employer

34.1 The Employer will open the updated Part II TECHNO-COMMERCIAL BID” including withdrawals and modifications, if any, made pursuant to ITB Clause 33, in the presence of the Bidder’s designated representatives who choose to attend at the time, on the date and in the opening place specified in the invitation to submit Updated bids. Bidders’ representatives shall sign a register / document prepared by the Employer, as proof of their attendance.

Envelopes marked “Withdrawal” shall be opened first and the name of the Bidder shall be read out. Bids for which an acceptance notice of withdrawal has been submitted pursuant to ITB Clause 33, shall not be opened.

34.2 Bidders’ names, bid prices, discounts, alternative bid prices (if any), and other such details the Employer, at its discretion, may consider to be appropriate, will be announced at the opening. No bid will be rejected at bid opening except for late bids, which will be returned unopened to the Bidder, pursuant to ITB Clause 32.
34.3 Bids (and modifications sent pursuant to ITB Sub-Clause 33.2) that are not opened and read out at bid opening will not be considered for further evaluation, regardless of the circumstances.

34.4 If the updated Part I - “Technical Bids” and Part II - “Commercial Bids”, submitted by the Bidders pursuant to ITB Clause 25, are found substantially responsive on preliminary examination pursuant to ITB Clause 35 and technical evaluation pursuant to ITB Clause 37, the Part III - “Price Bids” (either original price bids confirmed to be valid for updated bids or updated price bids as the case may be) of those Bidders are opened in the presence of the Bidder’s designated representatives who choose to attend at the time, on the date and in the place of opening, communicated by the Employer in writing or cable or telefax or e-mail, to the Bidders. Price Bids of those Bidders whose updated bids not found to be responsive, shall not be opened.

35. Preliminary Examination of Updated Bids

35.1 The Employer will examine the updated bids to determine whether they are complete, whether any computational errors have been made, whether the documents have been properly signed, and whether the bids are generally in order. The Employer may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the price or substance of the bid shall be sought, offered or permitted.

35.2 The Employer may waive any minor informality, nonconformity or irregularity in a bid that does not constitute a material deviation, and that does not prejudice or affect the relative ranking of any Bidder as a result of the technical and commercial evaluation, pursuant to ITB Clauses 37 and 38.

35.3 Prior to the detailed evaluation, the Employer will determine whether each bid is of acceptable quality, is complete, is substantially responsive to the Bidding Documents and has properly incorporated all the modifications listed in the “Changes Required Pursuant to Evaluation of Original Bid”.

For purposes of this determination, a substantially responsive bid is one that conforms to all the terms and conditions of the Bidding Documents and the “Changes Required Pursuant to Evaluation of Original Bid” without material deviations, objections, conditionality or reservations. A material deviation, objection, conditionality or reservation is:

(i) that affects in any substantial way the scope, quality or performance of the Contract;

(ii) that limits in any substantial way, inconsistent with the Bidding Documents, the Employer’s rights or the successful Bidder’s obligations under the Contract; or
Projects

(iii) whose rectification would unfairly affect the competitive position of other Bidders who are presenting substantially responsive bids.

35.4 In particular, bids with deviations from, objections to or reservations, if any, about critical provisions such as those concerning Bid Security (ITB Clause 12); Governing Law (GCC Clause 5), Taxes and Duties (GCC Clause 14), Defect Liability (GCC Clause 30), Performance Guarantees (GCC Clause 27), Patent and Indemnity (GCC Clause 31), or Limitation of Liability (GCC Clause 32), and related prescriptions in the Bidding Document, and others, if any, raised at the clarification meeting for Original bids, pursuant to ITB Clause 24, that were not accepted by the Employer, will be treated as non-responsive if the Bidder has not withdrawn them in its Updated bid, at a stated withdrawal price, if necessary. In addition, a Updated bid containing technical or commercial deviations or alternative bids not submitted as part of the Original bid will be treated as non-responsive. The Employer’s determination of a bid’s responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

35.5 If a Updated bid is not substantially responsive, it will be rejected by the Employer and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

36. Conversion to Single Currency

36.1 To facilitate evaluation and comparison, the Employer will convert all bid prices expressed in the amounts in various currencies in which the bid price is payable into the local currency of the Employer’s country (Indian Rupees) based on ITB clause 36.2 as supplemented in the Bid Data Sheet.

36.2 The local currency of the Employer’s country, i.e., Indian Rupees (INR) shall be the common base currency for the purpose of evaluation, along with the source and date of exchange rate, as specified in Bid Data Sheet.

37. Technical Evaluation of Updated Bid

37.1 The Employer will carry out a detailed evaluation of the updated bids to determine whether the technical aspects concerning the modifications to the technically acceptable base or alternative bid detailed in the “Changes Required Pursuant to Evaluation of Original Bid,” pursuant to ITB Sub-Clause 25.1, have been properly addressed and are substantially responsive to the requirements set forth in the Bidding Documents.
38. Commercial Evaluation of Updated Bid

38.1 Arithmetic errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, or between sub totals and the total price, the unit or subtotal price shall prevail and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If the Bidder does not accept the correction of errors, its bid will be rejected.

The comparison shall be “at Employer’s site” price of plant & equipment, steel structures, refractories, and commissioning spares and offered from indigenous sources, such price to include all costs as well as duties and taxes paid or payable on components and raw material incorporated or to be incorporated in the plant & equipment, steel structures, refractories and commissioning spares, with the FOB price offered from outside the Employer’s country, plus the cost of local transportation and all installation and other services required under the Contract. The Employer’s evaluation will also include the costs resulting from application of the evaluation procedures described in ITB Sub-Clause 38.3.

38.2 The Employer’s evaluation of a bid will take into account, in addition to the bid prices indicated in Appendix-1, the following costs and factors that will be added to each Bidder’s bid price in the evaluation, using pricing information available to the Employer, in the manner and to the extent indicated in ITB Sub-Clause 38.3:

(a) compliance with the time schedule called for in Appendix-2 to the Form of Contract Agreement and evidence as needed in a milestone schedule provided in the bid.

(b) the projected operating and maintenance costs during the life of the Facilities.

(c) the Performance Guarantees of the Facilities offered.

(d) the extra cost of work, services, Facilities, etc. required to be provided by the Employer or third parties.

(e) any other relevant factors listed in the Bid Data Sheet or in the invitation for the Updated bid, or factors that the Employer deems necessary or prudent to consider.

38.3 Pursuant to ITB Sub-Clause 38.2, the following evaluation methods will be followed:

(a) Contractual and Commercial Deviations
The evaluation shall be based on the evaluated cost of fulfilling the Contractual compliance with all commercial, contractual and technical obligations under this bidding document. In arriving at the evaluated cost, the price for withdrawal of deviations shown in Attachment-6 of the bid will be used, if necessary. If such a price is not given, the Employer will make its own assessment of the cost of such a deviation for the purpose of ensuring fair comparison of bids.

(b) **Time Schedule (Program of Performance)**

The plant & equipment, steel structures, refractories and commissioning spares covered by this bidding are required to be shipped and / or transported and installed at Employer’s site, and the Facilities commissioned within the period named in the **Bid Data Sheet** after the effective date specified in the Contract Agreement.

Bidders are required to base their prices on the Time Schedule given in **Appendix-2** to the Form of Contract Agreement (Time Schedule). When the completion date offered by the Bidder is within the limit specified in the **Bid Data Sheet**, bids offering completion beyond the minimum period specified shall be adjusted in the evaluation by adding a factor specified in the **Bid Data Sheet** to the bid price.

(c) **Operating and Maintenance Costs**

Since the operating and maintenance costs of the Facilities being procured form a major part of the life cycle cost of the Facilities, these costs will be evaluated according to the principles given in the **Bid Data Sheet**, including the cost of spare parts for the initial period of operation stated in the **Bid Data Sheet** and based on prices furnished by each Bidder in **Appendix-1**, as well as on past experience of the Employer or other employers similarly placed. Such costs shall be added to the bid price for evaluation.

(d) **Performance Guarantees of the Facilities**

(i) Bidders shall state the performance guarantees (e.g., performance, efficiency, consumption) of the proposed Facilities in response to the Technical Specifications. Plant and equipment offered shall have a minimum (or maximum, as the case may be) level of performance guarantees specified in the Technical Specifications to be considered responsive. Bids offering plant and equipment with performance guarantees less (or more) than the minimum (or maximum) specified shall be rejected.
(ii) For the purposes of evaluation, the adjustment specified in the Bid Data Sheet will be added to the bid price for each drop (or excess) in the responsive performance guarantees offered by the Bidder, below (or above) either a norm of 100 or the value committed in the responsive bid with the most performing functional guarantees, as specified in the Bid Data Sheet.

(e) Work, Services, Facilities etc., to be Provided by the Employer

Where bids include the undertaking of work or the provision of services or Facilities by the Employer in excess of the provisions allowed for in the Bidding Documents, the Employer shall assess the costs of such additional work, services and/or Facilities during the duration of the Contract. Such costs shall be added to the bid price for evaluation.

(f) Specific Additional Criteria

The relevant evaluation method shall be detailed in the Bid Data Sheet and/or in the Technical Specifications. In addition, such method will be used where Bidders are required to provide the price for withdrawal of deviations, pursuant to ITB Sub-Clause 24.2. If such a price is not given, the Employer will make its own assessment of the cost of such a deviation for the purpose of ensuring a fair comparison of bids.

38.4 Any adjustments in price that result from the above procedures shall be added, for the purposes of comparative evaluation only, to arrive at the “Evaluated Bid Price.” Bid prices quoted by Bidders shall remain unaltered.

39. Contacting the Employer

39.1 Subject to ITB Sub-Clause 35.1, no Bidder shall contact the Employer on any matter relating to its bid, from the time of the opening of Updated bids to the time the Contract is awarded.

39.2 Any effort by a Bidder to influence the Employer in the Employer’s bid evaluation, bid comparison or Contract award decisions may result in rejection of the Bidder’s bid.

J. AWARD OF CONTRACT
### 40. Changes in Qualification Status

40.1 Prior to proceeding with the award of Contract, the Employer will determine to its satisfaction that no circumstances, (in particular the Bidder’s Contract work in hand, future commitments and current litigation), have arisen or intervened during the period between the submission of the First (Original) bid and Updated bid that would change the Employer’s opinion as to whether the Bidder determined as having submitted the lowest evaluated and responsive Updated bid is still qualified to satisfactorily perform the Contract.

40.2 An affirmative determination will be a prerequisite for award of the Contract to the Bidder. A negative determination will result in rejection of the Bidder’s bid.

40.3 The capabilities of the Sub-Contractors / Vendors proposed in Attachment 3 (ITB Clause 26.1) to be used by the lowest evaluated Bidder will also be evaluated for acceptability. Their participation should be confirmed through proper document. Should a Sub-Contractor / Vendor be determined to be unacceptable, the bid will not be rejected, but the Bidder will be required to substitute an acceptable Sub-Contractor / Vendor without any change to the bid price.

### 41. Award Criteria

41.1 Subject to ITB Clause 42, the Employer will award the Contract to the successful Bidder whose Updated bid has been determined to be substantially responsive and to be the lowest evaluated bid, provided that the Bidder is determined to be qualified to perform the Contract satisfactorily.

### 42. Employer's Right to accept Any Bid and to Reject Any or All Bids

42.1 The Employer reserves the right to accept or reject any First (Original) or Updated bid, and to annul the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of grounds for the Employer’s such action.

### 43. Notification of Award

43.1 Prior to the expiration of the period of Updated bid validity, the Employer will notify the successful Bidder in writing by registered letter or by cable / telefax, to be confirmed by the Bidder in writing by registered letter, that its Updated bid has been accepted. If the award is without qualification / condition the notification of award will constitute the formation of the Contract. If the award is made with some qualification / condition, then upon the Bidder’s acceptance of such qualification / condition the Contract will be constituted.

43.2 Upon the successful Bidder’s furnishing of the performance security, pursuant to ITB Clause 45, the Employer will promptly notify each unsuccessful Bidder and will discharge its bid security, pursuant to ITB Sub-Clause 12.4.
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<tr>
<td><strong>44. Signing of Contract Agreement</strong></td>
<td><strong>44.1</strong> After the Employer notifies the successful Bidder that its Updated bid has been accepted, the Bidder will send the Employer the draft Contract Agreement provided in the Bidding Documents, incorporating all agreements between the parties within fifteen (15) days from the date of receipt of Employer’s notification of acceptance of the bid / award. In the case of a consortium becoming the Successful Bidder, all the members of the consortium shall be signatories to the Contract.</td>
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<td><strong>44.2</strong> Within fifteen (15) days from the date of receipt of the draft Contract Agreement by the Employer, the Contract Agreement will be signed.</td>
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<td><strong>45. Performance Security (Performance Bank Guarantee)</strong></td>
<td><strong>45.1</strong> Within fifteen (15) days after the Effective Date of Contract as specified in Article-3 of Contract Agreement, the successful Bidder shall furnish the Performance Security (Performance Bank Guarantee) for the amount given in the Bid Data Sheet, and in the form provided in Annexure-I to GCC of the Bidding Documents. If the Successful Bidder is a consortium, the Performance Bank Guarantee shall be submitted by the Leader of the Consortium on behalf of the Consortium or by each individual member of the Consortium in proportion to the price for their respective scope of work as per the Contract.</td>
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<td><strong>45.2</strong> Failure of the successful Bidder to comply with the requirements of ITB Clause 44 or Clause 45 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Employer may call for new bids.</td>
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<td><strong>46. Accommodation for Contractor’s Employees / Labours</strong></td>
<td><strong>46.1</strong> The successful Bidder shall have to make his own arrangements for the residential accommodation for its employees / labours at place where work site is situated.</td>
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<tr>
<td><strong>47. Transfer of Bid Document</strong></td>
<td><strong>47.1</strong> Bidder who has purchased the Bidding Documents, is not permitted to transfer the Bidding Documents to any other party for submitting bids on its behalf. Similarly transfer of bids submitted by one Bidder to another Bidder is not permissible.</td>
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48. Funding by Bidder 48.1 If so specified by the Employer in the Invitation for Bids, the Bidder should submit separately an independent proposal for arranging finance in the form of Multilateral / Bilateral Credit / Loan, Bidder’s Credit, etc. for the supplies & services to be provided / rendered under the scope of work for the Facilities. The terms & conditions of credit / loan, like principal amount, currency for repayment if credit / loan is from overseas source(s), payment schedule, rate of interest, guarantee fee, commitment fee, management fee, agency fee, financial charges as may be required, etc. should be indicated. Sovereign Guarantee from the government of India shall not be available.

49. General 49.1 There shall be no post tender negotiations except in case of negotiations with L-1 (i.e. lowest) evaluated bidder. 49.2 Purchase preference will be given to PSUs as per prevailing guidelines of the Govt. of India.
Ladies and / or Gentlemen,

Having examined the bidding documents, including Addenda Nos. [insert numbers], the receipt of which is hereby acknowledged, we, the undersigned, offer to design, carryout civil & structural work, manufacture, supply, install, test, precommission, commission, demonstrate & establish performance guarantee parameters of the Facilities under the above-named Facilities in full conformity with the said bidding documents for the sum of: mentioned in Price Bid in foreign currency and Rupees or such other sums as may be determined in accordance with the terms and conditions of the Contract. The above amounts are in accordance with the Price Schedules attached herewith and are made part of this bid.

We further undertake, if invited to do so by you, and at our own cost, to attend a clarification meeting at a place of your choice, for the purpose of reviewing our Bid and duly noting all amendments and additions thereto, and noting omissions therefrom that you may require.

We further undertake, upon receiving your written invitation, to proceed with the preparation of our Updated Technical & Commercial Bids, updating Original Technical & Commercial Bids in accordance with the requirements from the Record Notes of Discussions of the clarification meeting, for performing the Facilities in accordance with our updated technical & commercial bids without any revision in our above mentioned price. However, if any revision becomes essential we shall revise our above mentioned price with your permission.

We undertake, if our bid is accepted, to commence execution of work of the Facilities and to achieve completion within the respective times stated in the bidding documents / quoted by us in our bid.

If our bid is accepted, we undertake to provide a Performance Bank Guarantee in the form, in the amount, and within the time specified in the bidding documents.

We agree to abide by this bid, which consists of this letter and Attachments hereto, for a period of [number] days from the date fixed for submission of bids as stipulated in the bidding documents, and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.

Until a formal Contract is prepared and executed between us, this bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.
We understand that you are not bound to accept the lowest or any bid you may receive and in-turn we will not have any rights to raise any claim, whatsoever it may be, due to or arising out of rejection of our bids.

Dated this __________ day of ____________________, 200 ________________

In the capacity of ____________________________________

Duly authorised to sign this bid for and on behalf of ____________________________

signature]

[position]

[name of bidder]
Ladies and / or Gentlemen,

Having examined the bidding documents, including Addenda Nos. (insert numbers), and your requirements incorporated in the Record Notes of Discussions of the clarification meeting held between us on [date], the receipt of which is hereby acknowledged, we, the undersigned, offer to design, carryout civil & structural work, manufacture, supply, install, test, precommission, commission, demonstrate & establish performance guarantee parameters of the Facilities under the above-named Facilities in full conformity with the said bidding documents and the said Record Notes of Discussions for the sum of: __________________ [amount of foreign currency in words, if involved], [amount in figures], and Rupees __________________ [amount in words], [amount in figures] or such other sums as may be determined in accordance with the terms and conditions of the Contract. The above amounts are in accordance with the Updated Price Schedules attached herewith and are made part of this bid.

We undertake, if our bid is accepted, to commence execution of work of the Facilities and to achieve completion within the respective times stated in the bidding documents / quoted by us in our bid.

If our bid is accepted, we undertake to provide a Performance Bank Guarantee in the form, in the amount, and within the time specified in the bidding documents.

Until a formal Contract is prepared and executed between us, this bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

We agree to abide by our Updated Bid, which consists of this letter and Attachments hereto, for a period of [number] days from the date ____________ fixed for submission of updated bids as stipulated in the bidding documents, and together with the above written undertakings, it shall remain binding on us and may be accepted by you at any time before the expiration of that period.

We understand that you are not bound to accept the lowest or any bid you may receive and in-turn we will not have any rights to raise any claim, whatsoever it may be, due to or arising out of rejection of our bids.
Dated this ______ day of __________________, 20_____

_____________________________________________________[signature]

In the capacity of ___________________________________________[position]

Duly authorised to sign this bid for and on behalf of ___________________________[name
of bidder]
ANNEXURE-2

BID SECURITY BANK GUARANTEE
(On Non-Judicial Stamp Paper of appropriate value)

........................................................................................................... ……
(Name of the Bank)
Address ...........................................................................................................
Guarantee No. .................................................

A/c Messrs ........................................................................................................
(Name of Bidder)

Date of Expiry ..............................................

Limit to liability (currency & amount)
...........................................................................................................

Invitation For Bid No. .......................................................... dated ......................

For ............................................................................................................
(Name of Facilities)

Date ..............................................

To ..........................................................
Steel Authority of India Limited
...........................................................................................................
[Name and Address of Employer]

Dear Sir,

In consideration of the __________ (Name of Employer)(hereinafter called “Employer”) which expression shall unless repugnant to the subject or context include his successors and assigns having agreed to exempt M/s __________ (hereinafter called “Bidder”) from demand under the terms & conditions of “Standard Bidding Documents” (hereinafter called the said “Bidding Document”) issued by the Employer vide No. __________ for the works __________ (Name of the Facilities) from deposit of Bid Security for the due fulfilment by the Bidder of the terms and conditions contained in the said Bidding Document on production of Bank Guarantee for Rs. / __________ (Rupees / or equivalent amount in any freely convertible foreign currency)_________ only) (figure in words).

We the _______________ Bank Ltd. (Name of Bank)(hereinafter referred to as “Bank”) having our registered office at __________ (address of Bank) do hereby undertake and agree to indemnify and keep indemnified the Employer to the extent of Rs. / US$ __________ (Rupees or or equivalent amount in any freely convertible foreign currency)_________ only)(figures in words) against any losses, damage cost, charges and expenses caused to or suffered by or that may be caused or suffered by the Employer by reason of any breach or breaches by the Bidder of any of the terms and conditions.
contained in the said Bidding Document and unconditionally pay the amount claimed by the Employer on demand and without demur to the extent aforesaid.

2. We _______________ Bank Ltd. do hereby undertake to pay the amounts due and payable under the guarantee without any demur merely on a demand by you stating that the amount claimed is due by way of loss or damage caused to or would be caused or suffered by you by reason of any breach by the said Bidder of any of the terms or conditions contained in the said Bidding Document by reason of the Bidder’s failure to fulfil the conditions of said Bidding Document. Any such demand on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. ___________.

3. We _______________ Bank Ltd. further agree that the Employer shall be the sole judge of and as to whether the Bidder has committed any breach or breaches terms and conditions of the said Bidding Document and the extent of loss, damages, costs charges and expenses caused to or suffered by or that may be caused to or suffered by the Employer on account thereof to the extent of the Bid Security required to be deposited by the Bidder in respect of the said document and the decision of the Employer that the Bidder has committed such breach or breaches and as to the amount or amounts of loss, damages, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the Employer shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. ___________.

4. We _______________ Bank Ltd. further agree that guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance on the said Bidding Document and that it shall continue to be enforceable till you certify that terms and conditions of the said Bidding Document have been fully and properly carried out by the said Bidder and accordingly discharge the guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the ________________ we shall be discharged from all liability under this guarantee.

5. We _______________ Bank Ltd. further agree with you that you shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Bidding Document or to extend time of performance by the said Bidder from time to time or to postpone for any time or from time to time any of the powers exerciseable by you against the said Bidder and to forbear or enforce any of the terms and conditions relating to the said Bidding Document and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Bidder or for any forbearance act or omission on your part or any indulgence by you to the said Bidder or by any such matter or thing whatsoever under the law relating to sureties would but for this provision have effect of so relieving us.

6. It shall not be necessary for the Employer to proceed against the Bidder before proceeding against the Bank and the Guarantee herein contained shall be enforceable against the Bank, notwithstanding any security which Employer may have obtained from the Bidder at this time when proceedings are taken against Bank hereunder be outstanding or unrealised.
7. We _______________ Bank Ltd. further undertake to unconditionally pay the amount claimed by the Employer merely on demand and without demur to the extent aforesaid.

8. We, the said Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Employer in writing and agree that any change in the constitution of the Employer or the Bidder or the said Bank shall not discharge our liability hereunder dated _______ day of ________ 200.. _______ for __________________________ Bank Ltd.

Your faithfully

For ..........................................

(Name of the Bank)
FORM OF PRELIMINARY ACCEPTANCE CERTIFICATE

Ref No. : _______________________
Date : _______________________

To :
................................................
................................................
................................................

[Name and address of Contractor]

Contract Agreement No : ______________________________

[Name of the Facilities]

Dear Sirs,

Pursuant to **Clause 24** (Preliminary Acceptance) of the General Conditions of the Contract entered into between yourselves and the Employer dated __________ [date], relating to the _______________________________ [brief description of the facilities], we hereby notify you that the erection, testing & trial runs of the individual unit of the following part(s) of the Facilities was completed successfully on the date specified below. The Facilities are fit for start-up and commissioning. However, you shall liquidate all the outstanding defects and / or deficiencies and complete the balance items listed in the attachment hereto, as soon as possible, so that the Facilities are fully in accordance with the requirements of the Contract and commissioning activities of the Facilities can be started. Further, you shall be fully responsible for care and custody of the Facilities and the risk of loss thereof till the issue of commissioning certificate in terms of the Contract.

1. Description of the Facilities or part thereof : ___________ [description]

2. Date of Completion of Trial runs: ___________ [date]

This letter does not relieve you of your obligation to complete the execution, commissioning, establishment of performance guarantee parameters of the Facilities in accordance with the Contract nor of your obligations during the Defects Liability Period.

Yours faithfully,

________________________________________
(Title
(Project Manager)
FORM OF COMMISSIONING CERTIFICATE

Ref No. : __________________
Date : __________________

To :

................................................
................................................
................................................

[Name and address of Contractor]

Contract Agreement No : ____________________________

[Name of the Facilities]

Dear Sirs,

Pursuant to Clause 25 (Commissioning of the Facilities) of the General Conditions of the Contract entered into between yourselves and the Employer dated __________ [date], relating to the __________ [brief description of the facilities], we hereby notify you that the following part(s) of the Facilities was (were) commissioned on the date specified below, and that, in accordance with the terms of the Contract, the Employer hereby takes over the said part(s) of the Facilities, together with the responsibility for care and custody and the risk of loss thereof but without prejudice to any of the rights of the Employer, on the date mentioned below.

1. Description of the Facilities or part thereof : __________ [description]

2. Date of Completion : __________ [date]

However, you are required to complete the outstanding items listed in the attachment hereto as soon as possible.

This letter does not relieve you of your obligation to complete the execution of the Facilities in accordance with the Contract nor of your obligations during the Defects Liability Period.

Yours faithfully,

Title
(Project Manager)
FORM OF PERFORMANCE GUARANTEE CERTIFICATE

Ref No. : __________________________
Date : __________________________

To :

……………………………………
……………………………………
……………………………………

[Name and address of Contractor]

Contract Agreement No : __________________________

[Name of the Facilities]

Dear Sirs,

Pursuant to Clause 27 (Performance Guarantee Tests of the Facilities) of the General Conditions of the Contract entered into between yourselves and the Employer dated __________ [date], relating to the __________ [brief description of the facilities], we hereby notify you that the Performance Guarantee Tests of the following part(s) of the Facilities was (were) carried out and Performance Guarantee Parameters were satisfactorily attained on the date specified below, and that, in accordance with the terms of the Contract.

1. Description of the Facilities or part thereof : __________ [description]
2. Date of Completion : __________ [date]
3. Performance Guarantee Parameters :

<table>
<thead>
<tr>
<th>Description</th>
<th>Guaranteed</th>
<th>Achieved</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This letter does not relieve you of your obligation to complete the execution of the Facilities in accordance with the Contract nor of your obligations during the Defects Liability Period.

Yours faithfully,

________________________________________________________

Title
(Project Manager)
FORM OF FINAL ACCEPTANCE CERTIFICATE

Ref No. : __________________________
Date : __________________________

To :

____________________________________
____________________________________
____________________________________

[Name and address of Contractor]

Contract Agreement No : __________________________

[Name of the Facilities]

Dear Sirs,

Pursuant to Clause 28 (Final Acceptance of the Facilities) of the General Conditions of the Contract entered into between yourselves and the Employer dated _______________[date], relating to the _______________[brief description of the facilities], we hereby notify you that the following part(s) of the Facilities was (were) completed satisfactorily including completion of Defects Liability Period of twelve months after commissioning, on the date specified below, and that, in accordance with the terms of the Contract.

1. Description of the Facilities or part thereof : _______________[description]

2. Date of Completion : _______________[date]

Yours faithfully,

____________________________________
Title
(Project Manager)
FORM OF CHANGE ORDER
( Employer’s Letterhead )

Ref No. : __________________________
Date : __________________________

To:

..............................................
..............................................
..............................................

[Contractor’s Name and Address]

Contract Agreement No : __________________________

[Name of the Facilities]

Dear Sirs,

We approve the Change Order for the work specified in the Change Proposal (No. [number]), and agree to adjust the Contract Price, Time for Completion and / or other conditions of the Contract in accordance with GCC Clause 41 of the General Conditions of Contract.

1. Title of Change: [name]
2. Change Request No. / Rev. : [Request number/revision]
3. Change Order No. / Rev. : [Order number/revision]
4. Originator of Change : Employer / Contractor: [name]
5. Authorised Price :
   Ref. No. : [number] Date : [date]
   Foreign currency portion [amount] plus Local currency portion [amount]
6. Adjustment of Time for Completion
   None Increase [number] days Decrease [number] days
7. Other effects, if any

Authorised by: __________________________ Date: ____________
   (Employer)

Accepted by : __________________________ Date : ____________
   (Contractor)
1.0 There shall be compulsory registration of agents for all Global (Open) Tender and Limited Tender of SAIL Plants / Units. An agent who is not registered with SAIL Plants / Units shall apply for registration in the enclosed format.

2.0 Registered agents will file an authenticated Photostat copy of agency agreement giving the status being enjoyed by the agent and the commission / remuneration / salary / retainership being paid by the principal to the agent before the placement of order by SAIL Plants / Units.

Wherever the Indian representatives have communicated on behalf of their principals and the foreign parties state that they are not paying any commission to the Indian agents, and the Indian representative is working on the basis of salary or as retainer, a written declaration to this effect shall be submitted by the party (i.e. Principal)

3.0 DISCLOSURE OF PARTICULARS OF AGENTS / REPRESENTATIVES IN INDIA, IF ANY.

3.1.0 Tenderers of foreign nationality shall furnish the following details in their offer.

3.1.1 The name and address of the agents / representative in India, if any and the extent of authorisation and authority given to commit the Principals. In case the agent / representative be a foreign company, it shall be confirmed whether it is real substantial company and details of the same shall be furnished.

3.1.2 The amount of commission / remuneration included in the quoted price (s) for such agents / representatives in India.

3.1.3 Confirmation of the Tenderer that the commission / remuneration, if any, payable to this agents / representatives in India, if any, may be paid by SAIL in India in Indian Rupees only.

3.2.0 Tenderers of Indian Nationality shall furnish the following details in their offers:

3.2.1 The name and address of the foreign principals indicating their nationality as well as their status, i.e., whether manufacturer or agent of manufacturer holding the Letter of Authority of the principal specifically authorising to make an offer in India in response to tender either directly or through the agents / representatives.

3.2.2 The amount of commission / remuneration included in the price (s) quoted by the Tenderer for himself.

3.2.3 Confirmation of the foreign principals of the Tenderer that the commission / remuneration, if any, reserved for the Tenderer in the quoted price (s), may be paid by SAIL in India in equivalent Indian Rupees on satisfactory completion of the project.
3.3.0 In either case, in the event of contract materialising, the terms of payment will provide for payment of the commission / remuneration, if any payable to the agents / representatives in India in Indian Rupees about 90 days after the discharge of the obligations under the contract.

3.4.0 Failure to furnish correct and detailed information as called for in paragraph - 3.1 and paragraph - 3.2 above will render the concerned tender liable to rejection or in the event of a contract materializing, the same liable to termination by SAIL.
APPLICATION FORM FOR REGISTRATION

IMPORTANT INSTRUCTION

(1) In case you are an Indian agent for a number of foreign principals, you may please submit separate application for each of these principals by taking out additional photo copies of this application form.

(2) Wherever postal pin code is desired, it must be given.

(3) Full and unambiguous reply to each query must be given or else your application may not be processed at all.

(4) Wherever necessary extra sheet can be attached and mention of this may be made against the appropriate column of the application.

*****************************************************************************
APPLICATION FOR REGISTRATION OF INDIAN AGENTS

FILE NO. ___________________
(Not to be filled in by the Applicant)

PART - 1

(i) Name of the firm
_________________________________________________________
_________________________________________________________
_________________________________________________________

(ii) Date of incorporation
(DD MM YY) ______________________________________________

(iii) Address of the Registered Office
_________________________________________________________
_________________________________________________________
_________________________________________________________

PIN CODE __________________________________
TELEX ADDRESS ____________________________
TELE. NO. __________________________________

(iv) Address of the Head Office
_________________________________________________________
_________________________________________________________
_________________________________________________________

PIN CODE __________________________________
TELEX ADDRESS ____________________________
TELE. NO. __________________________________

(v) Address of the Branches
Address   Telex Address  Telephone No.
_______________   ___________________ ____________________
_______________   ___________________ ____________________
_______________   ___________________ ____________________
_________________________________________________________

PART - II

(i) Status of firm
(put a tick mark (Detailed structure of Contractor’s firm may be furnished)
1. Proprietorship concern
2. Partnership concern
3. Private Limited
4. Public Limited
5. Central Govt. Undertaking
6. State Govt. Undertaking

(put a tick mark to whichever is applicable)
PART - III

(i)  
   a) Name of the Principal (whose agent is seeking registration)  
      _____________________________________________________  
      _____________________________________________________  
      _____________________________________________________  
   
   b) Address  
      _____________________________________________________  
      _____________________________________________________  
      _____________________________________________________  
      PIN CONE _____________________________  
      TELEX ADDRESS _______________________
      TELE., NO. _____________________________  
   
   c) STORES FOR WHICH REGISTRATION REQUIRED

   S.No.  Name of Stores
   ______  ____________________________________
   ______  ____________________________________
   ______  ____________________________________
   ______  ____________________________________

(ii) Are you sole selling agent for the Principal : Y/N  
     (if yes, furnish copy of valid agreement duly attested)  
     
     a) Date of appointment as sole selling agent ____________________________
     b) Date upto which appointment is valid ________________________________
     c) Percentage of commission ________________________________________
     d) If the agent has authority to commit and sign on behalf of the Principal  Y / N  

(iii) Whether you are prepared to quote and receive payment in Indian Rupees   Y / N

(iv) Have you facility to offer after sales service   Y / N  
     (if yes, give details of facilities)  

(v) Have you firm / partners / proprietors / Director done business in the past with  
     
     (a) Any other Public Sector Undertakings   Y / N
     (b) Any other Government Department   Y / N  
     (if yes, give details)  

   Signature of Applicant  
   Proprietor / Authorised Partner /Director  

   Place :  
   Date :  

## ANNEXURE-9

### CHECK LIST FOR SUBMISSION OF BID

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Details of document.</th>
<th>Remarks (Applicable/ Not applicable) (Attached/ Not attached) If not attached, reasons</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Bid Form</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Attachment-1 –</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bid Security</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Attachment-2 –</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Power of Attorney.</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Attachment-3 –</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bidders Eligibility &amp; qualification.</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Attachment-4 –</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Eligibility and conformity of the Facility.</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Attachment-5 –</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vendors proposed by the Bidder, if any.</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Attachment-6 –</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Deviations, if any.</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Attachment-7 –</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Alternative Bid.</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>2 Years O &amp; M spares list with item wise price.</td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>List of commissioning spares.</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>List of special tools &amp; tackles.</td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>List of initial fill &amp; lubricants.</td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>MOU between associate (s), if applicable. along with division of work.</td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>Un priced copy of price bid marking ‘XX’ where price has been quoted.</td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>Bar Chart</td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>3-yrs. Audited Balance Sheet (s) and profit and loss account.</td>
<td></td>
</tr>
<tr>
<td>17.</td>
<td>Others, if any.</td>
<td></td>
</tr>
</tbody>
</table>
**BID DATA SHEET**

The following bid-specific data for the Facilities including plant and equipment to be procured, installed & commissioned, shall amend and / or supplement the provisions in the Invitation for Bids (IFB) and Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in the IFB and ITB.

*The notes in italics provide instructions for completing the Bid Data Sheet for the relevant ITB clauses.*

<table>
<thead>
<tr>
<th>INTRODUCTION</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IFB</strong></td>
<td>Name of Facilities</td>
</tr>
<tr>
<td><strong>ITB</strong></td>
<td>Contract Name</td>
</tr>
<tr>
<td><strong>ITB 2.1</strong></td>
<td>Name of Employer: SAIL, Bhilai Steel Plant</td>
</tr>
</tbody>
</table>
| **ITB 5.2** | Address of Employer; telephone, telefax & e-mail numbers –  
Dy. General Manager l/c (Projects-Commercial),  
Project Contract Cell,  
Expansion Building,  
SAIL, Bhilai Steel Plant, Bhilai-490 001,  
Distt. Durg, Chhattisgarh, India.  
Tel : + 91  788  2892711 / 2221197  
Fax : + 91 788  222 1170/ 2890 / 3491  
E-mail : rragrawal@sail-bhilaisteel.com |
| **ITB 7.1** | Language of bid is English |
| **ITB 8.3 (c) & (e)** | Qualification requirements for Bidders, including members of Joint Ventures, if any, and Sub-Contractors or Vendors  
Minimum acceptable levels with regard to Bidder’s experience in supplying, installing & commissioning the Facilities with comparable technical parameters, its manufacturing and installation capacity, its financial viability and other factors. If bidders were pre-qualified, this item should include a request to update the information provided for pre-qualification. |
| ITB 8.3 (d) (ii) | Spares are required for operation of 2 years following completion of the Facilities |
| ITB 8.3 (g) | Alternative Bids are acceptable / not acceptable.  
[Delete the inapplicable option.]  
[Where alternative bids are acceptable, the Employer shall specify clearly indicating the specific requirements, if any.] |

**BID PRICE AND CURRENCY**

| ITB 10.6 | The Bid Price shall be fixed or adjustable.  
As per GCC clause 11.3 |
| ITB 11.1 (a) | Bid Currencies  
In addition to Indian Rupees, the Bidders may use any freely convertible foreign currency. |

**BID PREPARATION AND SUBMISSION**

| ITB 12.1 | Amount of Bid Security  
Indian Rupees.........................(Rupees .................................. )  
Or Any freely convertible foreign currency .........................  
[This amount shall be the same as that quoted in the Invitation for Bids (IFB).] |
| ITB 13.1 | Bid Validity Period  
Bid shall be valid for 180 days from ................. (Deadline for submission of Bid). |
| ITB 14.1, 18.2 (a), 29.1 & 33.2 (a) | Original and fifteen (15) copies |
| ITB 15.2, 16.1, 18.3(a), 30.2, | Address of bid submission  
.......................................................  
.......................................................  
.......................................................  
[Name and address of the office of the Employer at which bids shall be submitted.]  
Deadline for bid submission................................. (date) |
| ITB 15.2 (b) & 19.1 | Bids shall be opened at ....................... (time)  
| | on ....................................................... (date)  
| | in the office of the Employer  
| | ...........................................  
| | ...........................................  
| | (Time, date and location of bid opening) |

**PRELIMINARY EXAMINATION OF BIDS**

**ITB 21.3**

Name of the clauses against which no deviations are acceptable, should be specified clearly. If any Bidder does not comply with this provision its bid shall be considered as non-responsive and rejected.  
(In this connection Clause No. 35.4 of ITB may be referred ).

**TECHNICAL EVALUATION OF BID**

**ITB 22.1 (e)**

Optional: The following additional criteria will be used in the evaluation in the manner stated thereunder

**CONVERSION TO SINGLE CURRENCY**

**ITB 36.2**

Currency chosen for the purpose of converting to a common currency shall be local currency, i.e., Rupees.  
Source of exchange rate:  
[As the common currency shall be the local currency, exchange TT Selling rates observed by the Reserve Bank of India (RBI) and notified by the State Bank of India (SBI), will be used for converting prices quoted in foreign currencies.]

**BID EVALUATION**

**ITB 38.2 (e)**

Optional: The following additional criteria will be used in the evaluation in the manner stated and to the extent indicated in the Bid Data Sheet under ITB Sub-Clause 38.3 (e).
<table>
<thead>
<tr>
<th>ITB 38.3 (b)</th>
<th>Time Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time to complete the facilities from the effective date specified in Article 3 of the Contract Agreement for determining time for completion of pre-commissioning activities.</td>
<td></td>
</tr>
<tr>
<td>[The completion time specified shall be for the entire facilities.]</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ITB 38.3 (c)</th>
<th>Operating and maintenance costs factors for calculation of the life cycle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Such cost shall not be considered in evaluation</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ITB 38.3 (d) (i) &amp; (ii)</th>
<th>Performance Guarantees</th>
</tr>
</thead>
<tbody>
<tr>
<td>The bidder shall quote his price conforming to the Performance Guarantee parameters and the acceptable limits as specified in the Technical Specifications.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ITB 38.3 (f)</th>
<th>Optional: Additional details, as appropriate, on the evaluation method or reference to the Technical Specifications</th>
</tr>
</thead>
</table>

**CONTRACT AWARD**

<table>
<thead>
<tr>
<th>ITB 45.1</th>
<th>Amount of Performance Security (Performance Bank Guarantee):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Five percent of the Total Contract Price in Rupees or any other freely convertible foreign currency.</td>
<td></td>
</tr>
<tr>
<td>[Performance Security amount shall be five percent (5%) of the contract price.]</td>
<td></td>
</tr>
</tbody>
</table>
FORM OF CONTRACT AGREEMENT

THIS CONTRACT NO. _______________________ made this ____________ Day of ________________, One thousand ______________ at ________________________.

BETWEEN

STEEL AUTHORITY OF INDIA LIMITED, a Company incorporated under the Companies Act, 1956 and having its registered office at Ispat Bhavan, Lodi Road, New Delhi 110 003, India, having one of its plants _______________ Steel Plant at ______________ (hereinafter referred to as the "Employer") which term or expression unless excluded by or repugnant to the context or the meaning thereof, shall be deemed to include its successors and permitted assigns, OF THE ONE PART,

AND

M/s. ____________________________, a Company organised and existing under the laws of ________ (Name of the Country) and having its Registered Office at __________________ (hereinafter referred to as "Contractor"), which term or expression unless excluded by or repugnant to the context or meaning thereof, shall be deemed to include its successors and permitted assigns, OF THE OTHER PART

AND WHEREAS

a) The Employer has decided to set-up __________________ (Name of the Facilities) at Bhilai Steel Plant, (hereinafter referred to as the "Facilities"), and

b) The Contractor has declared that the Contractor has valuable and specialized knowledge and expertise for design & engineering, civil engineering work, dismantling of buildings, structures & equipment, fabrication & supply of steel structures, manufacture & supply of plant and equipment, manufacture & supply of refractories, intermediate storage, insurance & handling, erection work, testing, precommissioning, start-up & commissioning and demonstration & establishment of performance guarantee parameters of the Facilities on divisible turnkey basis, and

c) The Contractor has declared that the Contractor is in a position to disclose, impart, deliver and transfer the requisite engineering data, drawings and documents of those items which are in the scope of the Contractor in this Contract, to the Employer for the engineering of the Facilities and for erection, start-up and commissioning of the Facilities with the aim to manufacture product as specified in the Contract, and

d) The Contractor has obtained clarifications on technical and commercial aspects, inspected the site and surroundings of Facilities and has examined and considered all other matters, conditions and things, probable contingencies including delays, hindrances and interferences and generally all matters incidental thereto and ancillary thereof, affecting the execution and completion of the Facilities, and
Projects

The Contractor has agreed to undertake design & engineering, civil engineering work, dismantling of buildings, structures & equipment, fabrication & supply of steel structures, manufacture & supply of plant and equipment, manufacture & supply of refractories, intermediate storage, insurance & handling, erection work, testing, precommissioning, start-up & commissioning and demonstration & establishment of performance guarantee parameters of the Facilities, and

The consortium leader shall remain responsible not only for its scope of work but also for the scope of work of other consortium members so that Employer get the facilities completed in all respects.

M/s ____________________ shall be the Consultant for the Facilities.

NOW IT IS HEREBY AGREED as follows :

Article 1

1.1 Definitions (Reference GCC Clause 1)

1.2 Contract Documents (Reference GCC Clause 2)

The following documents shall constitute the Contract between the Employer and the Contractor, and each shall be read and construed as an integral part of the Contract:

(a) This Contract Agreement and Appendices hereto
(b) Special Conditions of Contract and Annexures hereto
(c) General Conditions of Contract and Annexures hereto
(d) Contract Technical Specifications
(e) General Technical Specifications
(f) Any other documents shall be added here

1.3 Order of Precedence (Reference GCC Clause 2)

In the event of any ambiguity or conflict between the Contract Documents listed above, the order of precedence shall be the order in which the Contract Documents are listed in Article 1.2 (Contract Documents) above.

Article 2

2.1 Contract Price (Reference GCC Clause 11 & Appendix-1)

The Contract Price shall be for the entire Scope of the Facilities including spares, oils, grease, lubricants, flushing liquor, chemicals for picking etc., required till commissioning of the facilities, imported surplus material and scrap in any form generated inside the plant premises.

The Contract Price shall be inclusive of all Taxes and Duties and comprise interalia of Basic Price, Excise Duty, Sales Tax/VAT (including Sales Tax/VAT on Works Contract/Works Contract Tax), Octroi, Turn Over Tax (TOT), Entry Tax, Service Tax, Education cess and any other duties, taxes and levies, an may be applicable
and prevailing on Base Date of the Contract and Insurance.

The payment of duties, taxes, levies, etc., will be reimbursed (on actual) against documentary evidence to be produced by the Contractor, subject to a ceiling indicated in Price Schedule of the contract. In no case the reimbursement towards duties and taxes, etc., shall exceed the amount indicated in price schedule of the contract towards duties, taxes, levies, etc. except on account of variation in Taxes & Duties. The Contract Price does not include Customs Duty, Counter Veiling Duty, Cess and Special Additional Duty, if any, on the imported plant & equipment specified in the Contract, for which prices indicated in the Contract are in Foreign Currencies. However, Contract Price includes Customs Duty, Counter Veiling Duty, Cess and Special additional Duty, if any, on the imported plant & equipment for which prices indicated in the Contract are in Indian Rupees. Customs Duty, Counter Veiling Duty, Cess and Special additional Duty, if any, for replacement against short supply, damaged, defective items, shall be borne by the Contractor.

The Contract Price also does not include Income Tax & Research & Development (R&D) Cess on imported Engineering/Technical Services/Foreign Supervision & Training by overseas experts for which prices indicated in the contract are in Foreign Currencies.

2.2 Terms of Payment (Reference GCC Clause 12 & Appendix-3)

The terms of payment are given in Clause 12 of GCC and Appendix-3.

2.3 Price Adjustment due to Variation in Price Indices
(Reference GCC Sub-Clauses 11.3.3 & 11.4.1, Clause 11.5 & Appendix-4)

Where the stipulated Time for Completion exceeds twelve (12) months as specified in Sub-Clause 11.3.3 of GCC, the price payable to the Contractor, in accordance with the Contract shall be subject to adjustment during performance of the Contract due to variation in price indices. Price adjustment due to variation in price indices shall be in accordance with the provisions given in the Appendix-4 and Clause 11.5 of GCC subject to a ceiling of 15% of Base Price of relevant head as mentioned in Sub-Clause 11.4.1 of GCC. The Ceiling of 15% will be applicable for the total Base price of relevant head and not item wise within those seven (7) heads.

Article 3
Effective Date

3.1 Effective Date (Reference GCC Clause 1)

The Effective Date of Contract shall be the date of signing of contract. The Performance bank Guarantee (BG) by the L-1 bidder will be submitted within 15 days of signing of contract.

Following actions are envisaged:

The Letter of Credit (LC) shall be opened by Employer within 15 (fifteen) days of receipt of Performance Bank Guarantee (PBG) by
the Contractor in the SBD format.

In case, there is delay in opening of Letter of Credit by Employer, then effective date shall be extended accordingly. However, in case, there is delay in submission of BG by the contractor then the effective date of contract shall remain as date of signing of contract, provided LC has been opened within 15 days of BG submission.

**Article 4. Scope of Facilities**

4.1 **Scope of Facilities** (Reference GCC Clause 7 & Technical Specifications)

The Contract is for the execution of Scope of Facilities as specified in the GGC Clause 7 and Technical Specifications, on divisible turnkey basis. The physical quantities of civil work and weights of the mechanical equipment including technological structures, building structures and refractories as given in Tables in Appendix-1, are indicative only for the purpose of making progress payments on pro-rata basis as per Sub-Clause 2.3 of Appendix-3.

4.2 Should the actual physical quantities and weights differ from the indicated ones, neither the Contractor shall be entitled to get any additional price from the Employer nor the Employer is entitled to deduct any amount from the Contract Price due to variation in physical quantities and weight.

4.3 The consortium leader shall remain responsible not only for its scope of work but also for the scope of work of other consortium members so that Employer gets the facilities completed in all respects.

**Article 5. Time for Completion**

5.1 **Time for Completion** (Reference GCC Clause 8 & Appendix-2)

Time is the most important feature of the Contract. Completion period shall be considered as date of Commissioning mentioned in Commissioning Certificate

The Facilities will be completed in ____ months from the Effective Date of the Contract. The Facilities shall be considered as completed on date of commissioning. Performance guarantee parameters will be established by the Contractor within a period of six (6) months from the date of commissioning.

The Contractor shall arrange for supplies of the plant & equipment, structures and refractories in the logical sequence required for erection at site within the overall delivery schedule of the Contract as per Sub-Clause 11.7.2 of GCC.

**Article 6. Consultant**

6.1 **Consultant** (Reference GCC Clause 1)

The Consultant in relation to the Contractor, shall have such functions as are delegated to him in the Contract or as may be delegated to him by the Employer from time to time. Employer shall keep the Contractor informed of such delegation.
If there is any difference between the Contractor and the Consultant on any matter about the implementation of this Contract, the matter shall be referred to the Employer, whose decision shall be final and binding on the Contractor and the consultant.

**Article 7. Subcontracting**

7.1 Sub-contracting (Reference GCC Clause 19)

The Contractor shall engage only those Sub-Contractors / Vendors which are approved by the Employer and included in the list of approved Sub-Contractors / Vendors (Appendix-6) forming part of the Contract Agreement. The Contractor may from time to time propose any addition to or deletion from approved list to the Employer for its approval in sufficient time so as not to impede the progress of work on the Facilities. Such approval by the Employer for any of the Sub-Contractors / Vendors shall not relieve the Contractor from any of its obligations, duties or responsibilities under the Contract.

**Article 8. Use of SAIL Steel**

8.1 Use of SAIL Steel (Reference GCC Sub-Clause 11.2.11)

The Contractor shall have to use such items of steel as are manufactured by SAIL, RINL, Tisco, Essar, Jindal, Ispat etc. conforming to BIS standards and which are required for execution of all civil and building structural work including sheeting, technological structures, pipelines, etc.

**Article 9. Liquidated Damages**

9.1 Liquidated Damages (Reference GCC Clause 27 & 29)

9.1.1 Liquidated Damages due toDelay in Completion of Facilities (Reference GCC Sub-Clause 29.2)

If the Contractor fails to attain “Completion of the Facilities” as defined in Clause 1 of GCC within the Time for Completion or any extension thereof under Clause 42 (Extension of Time for Completion) of GCC due to reasons not attributable to the Employer, the Employer shall recover the amount of Liquidated Damages, but not by way of penalty, by making deductions from the Contractor’s account or as a last resort by encashment of Contractor’s Bank Guarantees (as per Sub-Clause 13.1.2 of GCC), at the rate of 0.5% of the total Contract Price plus escalations, if any, paid or payable to the Contractor, excluding taxes and duties per complete week of delay up to a maximum of 5% of the Contract Price plus escalation if any, paid or payable to the Contractor excluding taxes and duties, as specified in the Clause 29.2 of GCC.

In case, the Contractor is a Consortium, the Employer shall recover the amount of Liquidated Damages, but not by way of penalty, by making deductions from the account of each member of Consortium, or as a last resort by encashment of Contractor’s Bank Guarantees as per above clause, up to a maximum of 5% of the Contract Price of the respective Scope of Facilities plus escalations, if any, paid or payable to the Contractor, excluding taxes and duties.
as specified in Sub-Clause 7.11.1 of GCC. However, each member of Consortium shall be jointly and severally bound to the Employer for paying Liquidated Damages.

9.1.2 **Liquidated Damages for Non-fulfilment of Performance Guarantee Parameters of Facilities** *(Reference GCC Clause 27)*

If, for reasons not attributable to the Employer, the performance guarantee parameters specified in Appendix-5 to the Contract Agreement are not met either in whole or in part, the Contractor shall at its cost and expense make such changes, modifications and/or additions to the Facilities or any part thereof as may be necessary to meet performance guarantees parameters. The Contractor shall notify the Employer upon completion of the necessary changes, modifications and/or additions, and shall request the Employer to allow the Contractor to repeat the performance guarantee test (2nd test) so as to establish the performance guarantee parameters.

If, for reasons not attributable to the Employer, the performance guarantees specified in Appendix-5 to the Contract Agreement are not attained either in whole or in part, after first performance guarantee test as per Sub-Clause 27.2 of GCC, the Contractor shall be allowed by the Employer to repeat the performance guarantee tests twice after first test and the Contractor must establish the performance guarantee tests during second or third test, within a period of six months from the date of commissioning as indicated in Appendix-5.

In case the Contractor expresses its inability to achieve the performance guarantee parameters but attains above the minimum acceptance level of performance guarantee parameters, specified in Appendix-5, either in whole or in part in spite of second and third performance guarantee tests conducted by the Contractor within a period of six months from the date of commissioning, the Employer shall recover the amount of Liquidated Damages, but not by way of penalty, by making deductions from the Contractor’s account or as a last resort by encashment of Contractor’s Bank Guarantees (as per Sub-Clause 13.1.2 of GCC), at the rates specified in the Appendix-5 for respective items, subject to a maximum of 7.5% of the Contract Price plus escalations, if any, excluding taxes and duties paid or payable to the Contractor, in respect of the failure to meet the minimum level of Performance Guarantees in accordance with the provisions in Appendix-5 to the Contract Agreement.

In case, even after all possible repairs and replacements the Contractor fails to attain the minimum level of performance guarantee parameters in third test conducted within a period of 6 months from the date of commissioning the Employer may at its option reject the Facilities and recover the entire cost paid to the Contractor or alternatively the Employer may proceed for commercial settlement with the Contractor for acceptance of the
Facilities at the negotiated Price.

In case, the Contractor is a Consortium, the Employer shall recover the amount of Liquidated Damages, but not by way of penalty, by making deductions from the account of each member of Consortium, or as a last resort by encashment of Contractor’s Bank Guarantees as per above clause, up to maximum of 7.5% of the Price of the respective Scope of Facilities as specified in Sub-Clause 7.11.1 of GCC plus escalations, if any, paid or payable to the Contractor excluding taxes and duties. However, each member of Consortium, shall be jointly and severally bound to the Employer for paying Liquidated Damages to the Employer.

9.1.3 The Overall limit of Liquidated Damages with respect to Articles 9.1.1 & 9.1.2 shall be 10% of the Contract Price plus escalation, if any, excluding taxes and duties. However, individual ceiling for delay in completion and non-fulfilment of the PG parameters shall be 5% and 7.5% respectively.

The Employer shall not reject the plant & equipment after commissioning and achievement of minimum PG parameters. After successful commissioning and achievement of the minimum PG parameters, the total liability of the Contractor on account of delay and demonstration of maximum PG parameters will not be more than LD.

9.1.4 Any Recovery of Liquidated Damages shall be effected from the amount payable to the Contractor against Performance Guarantee Test, Final Acceptance Certificate and Performance Bank Guarantee (5%) (if that becomes necessary). LD will not be recovered from the running bills prior to above payments.

Article 10. Arbitration

10.1 Arbitration (Reference GCC Clause 6)

Any disputes, differences, whatsoever, arising between the parties out of or relating to the construction, meaning, scope, operation or effect of this Contract shall be settled between the Employer and the Contractor amicably. If however, the Employer and the Contractor are not able to resolve their disputes / differences amicably as aforesaid the said disputes / differences shall be settled by Conciliation, failing which, through Arbitration.

Conciliation shall be resorted to prior to invoking Arbitration.

The applicable rules for Conciliation proceedings shall be that of “SCOPE forum of Conciliation and Arbitration” (SCFA). The Arbitration Clause is to be invoked by the parties to the Contract only on failure of conciliation proceedings to amicably settle the disputes.

The arbitration shall be governed in accordance with Arbitration and Conciliation Act 1996 (hereinafter referred to as the “Act”) of India.
The language of Arbitration shall be English.

Subject to the stipulations made hereinabove, Arbitration shall be conducted as per forum specified below:

All Contracts, whose value is Indian Rs. 5 Crores (for both Indian and Foreign Contractors) and below, shall go for Adhoc Arbitration, where an impartial Arbitrator would be appointed by the Managing Director of the plant concerned, and the arbitration proceedings shall be governed by the Arbitration and Conciliation Act of 1996 of India. The venue shall be Bhilai, India.

Arbitration of contracts, with Indian parties, where contract value is more than Indian Rs. 5 Crores and the contracts with foreign parties for value of more than Indian Rs. 5 Crores and up to Indian Rs. 20 Crores shall be governed by the Rules of Indian Council of Arbitration (ICA)/ “SCOPE Forum of Conciliation and Arbitration” (SCFA) as agreed by the party. The venue shall be New Delhi.

Arbitration with foreign contractor or in Consortium contracts (including foreign contractor), where the contract value is more than Indian Rs. 20 crores shall be governed by the Rules of Arbitration of International Chamber of Commerce (ICC), Paris. The venue of the arbitral proceedings shall be New Delhi.

During the pendency of the Conciliation or Arbitration proceedings both the parties (i.e. the Contractor and the Employer) shall continue to perform their contractual obligations.

The tribunal shall give reasons for its award. The tribunal shall apportion the cost of arbitration between the parties, the award rendered in any arbitration hereunder shall be final and binding upon the parties. the parties agree that neither party shall have any right to commence or maintain any suit or legal proceeding concerning any dispute under this agreement until the dispute has been determined in accordance with the arbitration proceeding provided for herein and then only to enforce or facilitate the execution of an award rendered in such arbitration.

Unless otherwise mentioned, the Arbitration shall be held at Durg, Chhatisgarh, India, the language of the arbitration shall be English.

The court of Durg, Chhatisgarh, India (with exclusion of all other courts) shall have exclusive jurisdiction over all matter of dispute.

For the contracts with overseas parties, the venue of Arbitration shall be New Delhi.

Arbitration between a Central Public Sector Undertaking of the Government of India (not under the Ministry of Steel) and the Employer shall be as per the guidelines of Ministry of Heavy Industries and Public Enterprises, Government of India.
Arbitration between a Central Public Sector Undertaking of the Government of India under the Ministry of Steel, Government of India and the Employer, shall be as per the guidelines of the Ministry of Steel.

Article 11. Liability of Govt. of India

11.1 Liability of Govt. of India

It is expressly understood and agreed between the Contractor and the Employer that the Employer is entering into this Agreement solely on its own behalf and not on behalf of any other person or entity. In particular, it is expressly understood and agreed that the Govt. of India is not a party to this Agreement and has no liabilities, obligations or rights hereunder. It is expressly understood and agreed that the Employer is an independent legal entity with power and authority to enter into Contracts solely on its own behalf under the applicable laws of India and general principles of Contract Law. The Contractor expressly agrees, acknowledges and understands that the Employer is not an agent, representative or delegate of the Govt. of India. It is further understood and agreed that the Govt. of India is not and shall not be liable for any acts, omissions, commissions, breaches or other wrongs arising out of the Contract. Accordingly, the Contractor hereby, expressly waives, releases and foregoes any and all actions or claims, including cross claims, impleader claims or counter claims against the Govt. of India arising out of this contract and covenants not to sue the Govt. of India as to any manner, claim, cause of action or thing whatsoever arising of or under this agreement.

Article 12. Appendix

The following Appendices shall be deemed to form an integral part of this Contract Agreement. Reference in the Contract to any Appendix shall mean the Appendices attached hereto, and the Contract shall be read and construed accordingly.

1. Price Schedule
2. Time Schedule
3. Terms of Payment
4. Price Adjustment due to Variation in Price Indices
5. Performance Guarantees
6. List of Approved Sub-Contractors / Vendors
7. Safety Code for Contractors

Article 13. No modifications of this Contract including Appendices hereto, shall be valid unless the same is agreed to in writing by the parties and issued as amendments to the Contract.
IN WITNESS WHEREOF the Employer and the Contractor have caused this Agreement to be duly executed by their duly authorised representatives the day and year first above written.

Signed by for and on behalf of the Contractor

[Signature]

[Designation]

In the presence of _____________

1) [Signature]

[Designation]

2) [Signature]

[Designation]

Signed by for and on behalf of the Employer

[Signature]

[Designation]

In the presence of _____________

1) [Signature]

[Designation]

2) [Signature]

[Designation]
APPENDIX - 1

PRICE SCHEDULE

1. Contract Price
   1.1 The Contract Price for the entire Scope of Facilities detailed under Clause 7 of GCC & Technical Specifications including all the contractual obligations of the Contractor together with its Sub-Contractor / Vendors, is indicated in the Article-2 of the Contract.

2. Contract Price Break-up
   2.1 The break-up of the Contract Price is indicated in the Summary Price Schedule and detailed break-up of Summary Prices is given in the following Tables, hereafter. (However, in case the Contractor is a Consortium of two or more parties as indicated in the Sub-Clause 3.9 of GCC, the break-up of the Contract Price is to be indicated separately for each member of Consortium, in the Tables given hereafter).

Table Descriptions

1 Summary Price Schedule
2 Price Schedule for Imported Design & Engineering
3 Price Schedule for Indigenous Design & Engineering
4 Price Schedule for Supply of Imported Plant & Equipment
5 Price Schedule for Supply of Indigenous Plant & Equipment including Technological Structures
6 Price Schedule for Supply of Imported Refractories
7 Price Schedule for Supply of Indigenous Refractories
8 Price Schedule for Supply of Imported Commissioning Spares
9 Price Schedule for Supply of Indigenous Commissioning Spares
10 Price Schedule for Civil Engineering Work including all Supplies
11 Price Schedule for Supply of Fabricated Building Steel Structures & Erection of Building Steel Structures including Sheeting, Glazing & Final Painting
12 Price Schedule for Storage, Handling, Erection, Commissioning & Performance Guarantee Tests of Plant & Equipment
13 Price Schedule for Foreign Supervision Charges in India during Erection, Start-up, Commissioning & Performance Guarantee Tests
14 Price Schedule for Training Charges
15 Value of “Po” for calculation of Price Adjustment due to Variation in Price Index.
2.2 The man-days deployment of the Overseas Experts for Supervision during erection, commissioning & performance guarantee tests, shall be ______. Should the actual man-days deployed is more, the Employer shall not pay any extra price to the Contractor for extra man-days or additional establishment charges, even if the delay is due to the reasons not attributed to the Contractor.

2.3 Should the Oil, Grease & Lubricants found to be inadequate as indicated in Sub-Clause 7.4.4.2 of GCC, the Contractor shall supply additional required Oil, Grease & Lubricants, without any extra cost to the Employer. However, unused Oil, Grease & Lubricants shall be the property of the Employer.

2.4 Should the Commissioning Spares found to be inadequate as indicated in Sub-Clause 7.4.2.2 of GCC, the Contractor shall supply additional required Commissioning Spares, without any extra cost to the Employer. However, unused Commissioning Spares shall be the property of the Employer.

2.5 The “Po” shall be the original prices as on Base Date excluding duties, taxes, octroi, TOT and any other levies. The values of Po for the purpose of Price Adjustment clause stipulated in the Sub-Clause 2.2 to 2.9 of the Appendix 4, are given in Table-14 hereof.

2.5.1 The Contractor shall furnish further breakup of the prices given in the Table 4, 9, 10 & 11, indicating the value of Po for each item of work, supplies, erection, etc., as stipulated in the Sub-Clause 11.7.1 of GCC and also the time schedule against each of them as stipulated in the Sub-Clause 11.7.2 of GCC.
**SUMMARY PRICE SCHEDULE**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description</th>
<th>Prices (Currency)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>b</td>
<td>Foreign</td>
<td>Indian</td>
</tr>
<tr>
<td>1</td>
<td>Design &amp; engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>Imported (FOB) (Refer Table - 1)</td>
<td>c</td>
<td></td>
</tr>
<tr>
<td>b)</td>
<td>Indigenous (At site) (Refer - Table 2)</td>
<td>d</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Supply of Plant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>Imported (FOB) (Refer Table - 3)</td>
<td>c</td>
<td></td>
</tr>
<tr>
<td>b)</td>
<td>Indigenous (at site) (Refer - Table 4)</td>
<td>d</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Supply of Refractories</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>Imported (FOB) (Refer Table - 5)</td>
<td>c</td>
<td></td>
</tr>
<tr>
<td>b)</td>
<td>Indigenous (at site) (Refer - Table 6)</td>
<td>d</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Supply of Commissioning spares</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>Imported (FOB) (Refer Table - 7)</td>
<td>c</td>
<td></td>
</tr>
<tr>
<td>b)</td>
<td>Indigenous (at site) (Refer - Table 8)</td>
<td>d</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Civil Engg. Works incl. supplies (Refer Table 9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Supply &amp; Erection of Fabricated Building structures, including sheeting, glazing and final painting (Refer Table - 10)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Storage, Handling, Erection, Commissioning, and PG tests of Plant and equipment (Refer Table-11)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Foreign supervision charges in India during Erection, Start-up, Commissioning, and PG tests of Plant and equipment (Refer Table-12)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Training Charges (Refer Table 13)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Ocean freight, Custom clearance (Excluding Import Duty), Port clearance and Inland Transportation for Imported Items for which prices are quoted in foreign currency (Inclusive of service tax &amp; education cess) (Break-up indicated in Table-3,5,7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Comprehensive marine cum erection insurance (Refer clause no. 36 of GCC)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Total Contract Price (1 to 11)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>Guaranteed amount of CENVAT credit on Total Contract Price</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b)</td>
<td>Guaranteed amount of VAT credit on Total Contract Price (Refer BDS for input tax credit rates to be considered)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Total Contract Price Net of CENVAT &amp; VAT Credit.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes**

1. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, unit price will prevail.
2. In case of a discrepancy between the sub-total price and the total price, sub-total price will prevail.
3. In case of a discrepancy between words and figures, the amount in words will prevail.
4. Remarks/ Footnotes/ Comments furnished in Un-priced bids will prevail if any discrepancy is found in furnishing any Remarks/ Footnotes/ Comments between Un-priced bids and Priced bids.
5. All the necessary documents for availing the guaranteed amount of CENVAT credit shall be furnished, else balance shortfall shall be deducted from the contract price.
6. If the bidder to go for MCE policy then total insurance price shall be indicated in item no 11 in the above the above table.
7. Bidders to indicate the value of supplies on which Entry Tax are to be borne by them and not required to required to be loaded for the evaluation of their offers by BSP. (Ref. Bid Data Sheet)
### TABLE - 1

**PRICE SCHEDULE FOR IMPORTED DESIGN & ENGINEERING.**

<table>
<thead>
<tr>
<th>SL.No.</th>
<th>Items</th>
<th>Price in Foreign Currency</th>
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<tbody>
<tr>
<td>a</td>
<td>b</td>
<td>c</td>
</tr>
<tr>
<td>1</td>
<td>Basic Engineering</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Detailed Design &amp; Engineering</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Supply of Drawings &amp; Documents</td>
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</tr>
<tr>
<td>4</td>
<td>Others (Bidder to specify)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Total (In Words)**

### TABLE - 2

**PRICE SCHEDULE FOR INDIGENOUS DESIGN & ENGINEERING**

<table>
<thead>
<tr>
<th>SL.No.</th>
<th>Items</th>
<th>Price (Rs Lakhs)</th>
</tr>
</thead>
<tbody>
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<td>b</td>
<td>c</td>
</tr>
<tr>
<td>1</td>
<td>Basic Engineering</td>
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</tr>
<tr>
<td>2</td>
<td>Detailed Design &amp; Engineering</td>
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<tr>
<td>3</td>
<td>Supply of Drawings &amp; Documents</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Others (Bidder to specify)</td>
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<tr>
<td>5</td>
<td>Service tax</td>
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</tr>
<tr>
<td>6</td>
<td>Education Cess on service Tax</td>
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<tr>
<td>7</td>
<td>Any other taxes, duties &amp; levies (Bidder to specify)</td>
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<tr>
<td></td>
<td><strong>Total</strong></td>
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**Total (In Words)**
### TABLE - 3

**PRICE SCHEDULE FOR SUPPLY OF IMPORTED PLANT AND EQUIPMENT INCLUDING TECHNOLOGICAL STRUCTURE**

<table>
<thead>
<tr>
<th>SL. NO.</th>
<th>DESCRIPTION</th>
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<tr>
<td>a</td>
<td>Supply of Imported Plant &amp; Equipment</td>
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<tr>
<td>b</td>
<td>Mechanical Plant and equipment</td>
</tr>
<tr>
<td>c</td>
<td>a) Main technological equipment</td>
</tr>
<tr>
<td>d</td>
<td>b) Technological structure</td>
</tr>
<tr>
<td>e</td>
<td>c) Hoisting &amp; handling</td>
</tr>
<tr>
<td>f</td>
<td>d) Ventillation, air-conditioning and other pollution control equipment</td>
</tr>
<tr>
<td>g</td>
<td>e) Utilities &amp; Services</td>
</tr>
<tr>
<td>h</td>
<td>- Gas facilities</td>
</tr>
<tr>
<td>i</td>
<td>- Compressed air facilities</td>
</tr>
<tr>
<td>j</td>
<td>- Water Supply and Sewrage facilities</td>
</tr>
<tr>
<td>k</td>
<td>- Others</td>
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<tr>
<td>l</td>
<td>g) Laboratory and other testing equipment</td>
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<tr>
<td>m</td>
<td>i) Other Miscellaneous equipment (Bidder to Specify)</td>
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<td>o</td>
<td>Electrical Plant and equipment</td>
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<td>p</td>
<td>a) Power distribution</td>
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<tr>
<td>q</td>
<td>b) Shop electrics &amp; controls</td>
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<tr>
<td>r</td>
<td>c) Illumination</td>
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<tr>
<td>s</td>
<td>d) Other Miscellaneous equipment (Specify)</td>
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<tr>
<td>t</td>
<td>3</td>
</tr>
<tr>
<td>u</td>
<td>Instrumentation &amp; Control, Cabling</td>
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<td>v</td>
<td>4</td>
</tr>
<tr>
<td>w</td>
<td>Automation including Computers</td>
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<td>x</td>
<td>5</td>
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<tr>
<td>y</td>
<td>Telecommunication system including cabling and CCTV</td>
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<td>7</td>
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<td>Special Tools and Tackles (Refer Annexure B-1 of SCC)</td>
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<td>Total (In Words):</td>
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<td>5</td>
<td>Duties/Taxes/Freight/Insurance</td>
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<tr>
<td>6</td>
<td>A (For Sl. No. 10 of Summary Schedule)</td>
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<tr>
<td>7</td>
<td>Ocean/Air Freight.</td>
</tr>
<tr>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>9</td>
<td>Customs Clearance (Excl. customs duty) including service tax and Education cess</td>
</tr>
<tr>
<td>10</td>
<td>Port clearance and handling charges including service tax and Education cess</td>
</tr>
<tr>
<td>11</td>
<td>Inland transportation &amp; transit insurance charges from Dock/airport to SAIL-BSP worksite</td>
</tr>
<tr>
<td>12</td>
<td>Service Tax on inland transport and insurance charges</td>
</tr>
<tr>
<td>13</td>
<td>Education Cess on Service Tax</td>
</tr>
<tr>
<td>14</td>
<td>B (For Sl. No. 11 of Summary Schedule)</td>
</tr>
<tr>
<td>15</td>
<td>Marine Insurance Charges including service tax &amp; cess</td>
</tr>
<tr>
<td>16</td>
<td>Any other taxes, duties &amp; levies (Bidder to specify)</td>
</tr>
</tbody>
</table>

### TABLE - 4

**PRICE SCHEDULE FOR SUPPLY OF INDIGENOUS PLANT AND EQUIPMENT INCLUDING TECHNOLOGICAL STRUCTURE**

<table>
<thead>
<tr>
<th>SL. NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>Supply of Indigenous Plant &amp; Equipment</td>
</tr>
<tr>
<td>b</td>
<td>Mechanical Plant and equipment</td>
</tr>
<tr>
<td>c</td>
<td>a) Main technological equipment</td>
</tr>
<tr>
<td>d</td>
<td>b) Technological structure</td>
</tr>
<tr>
<td>e</td>
<td>c) Hoisting and handling</td>
</tr>
<tr>
<td>f</td>
<td>d) Ventillation, air-conditioning and other pollution control equipment</td>
</tr>
<tr>
<td>g</td>
<td>e) Utilities &amp; Services</td>
</tr>
<tr>
<td>h</td>
<td>- Gas facilities</td>
</tr>
<tr>
<td>i</td>
<td>- Compressed air facilities</td>
</tr>
<tr>
<td>j</td>
<td>- Water Supply and Sewrage facilities</td>
</tr>
<tr>
<td>k</td>
<td>- Others</td>
</tr>
<tr>
<td>l</td>
<td>f) Laboratory and other testing equipment</td>
</tr>
<tr>
<td>m</td>
<td>g) Other Miscellaneous equipment (Bidder to Specify)</td>
</tr>
<tr>
<td>n</td>
<td>2</td>
</tr>
<tr>
<td>o</td>
<td>Electrical Plant and equipment</td>
</tr>
<tr>
<td>p</td>
<td>a) Power distribution</td>
</tr>
<tr>
<td>q</td>
<td>b) Shop electrics</td>
</tr>
<tr>
<td>r</td>
<td>c) Illumination</td>
</tr>
<tr>
<td>s</td>
<td>d) Other Miscellaneous equipment (Specify)</td>
</tr>
<tr>
<td>t</td>
<td>3</td>
</tr>
<tr>
<td>u</td>
<td>Instrumentation &amp; Control, Cabling</td>
</tr>
<tr>
<td>v</td>
<td>4</td>
</tr>
<tr>
<td>w</td>
<td>Automation level-II</td>
</tr>
<tr>
<td>x</td>
<td>5</td>
</tr>
<tr>
<td>y</td>
<td>Telecommunication system including cabling and CCTV</td>
</tr>
<tr>
<td>z</td>
<td>6</td>
</tr>
<tr>
<td>1</td>
<td>Oil, Grease, Lubricants &amp; Chemicals (Refer Annexure A-2 of SCC)</td>
</tr>
<tr>
<td>2</td>
<td>7</td>
</tr>
<tr>
<td>3</td>
<td>Special Tools and Tackles (Refer Annexure B-2 of SCC)</td>
</tr>
<tr>
<td>4</td>
<td>Total (In Words):</td>
</tr>
</tbody>
</table>
**TABLE - 5**

**PRICE SCHEDULE FOR SUPPLY OF IMPORTED REFRACTORIES**

<table>
<thead>
<tr>
<th>SL. NO.</th>
<th>DESCRIPTION</th>
<th>Volume of Work</th>
<th>Foreign Currency Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Unit</td>
<td>Quantity</td>
</tr>
<tr>
<td>a</td>
<td>Supply of Imported Refractories</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>4</td>
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<tr>
<td>5</td>
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<tr>
<td>6</td>
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</tr>
<tr>
<td>7</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total (In Words):

Duties/Taxes/Freight/Insurance

A. (For Sl. No. 10 of Summary Schedule)

1. Ocean/Air Freight.
2. Customs Clearance (Excl. customs duty) including service tax and Education cess
3. Port clearance and handling charges including service tax and education cess
4. Inland transportation & transit insurance charges from Dock/airport to SAIL-BSP worksite
5. Service tax on inland transport and insurance charges
6. Education Cess on Service Tax

B. (For Sl. No. 11 of Summary Schedule)

1. Marine Insurance Charges including service tax & cess

C. Any other taxes, duties & levies (Bidder to specify)

**TABLE - 6**

**PRICE SCHEDULE FOR SUPPLY OF INDIGENOUS REFRACTORIES**

<table>
<thead>
<tr>
<th>SL. NO.</th>
<th>DESCRIPTION</th>
<th>Volume of Work</th>
<th>Amount In Rs Lakh</th>
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<td></td>
<td>Unit</td>
<td>Quantity</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>Supply of Indigenous Refractories</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
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<td>3</td>
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<td>4</td>
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<td>5</td>
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<td>7</td>
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<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
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</table>
### TABLE - 7

**PRICE SCHEDULE FOR SUPPLY OF IMPORTED COMMISSIONING SPARES**

<table>
<thead>
<tr>
<th>Sl. NO.</th>
<th>DESCRIPTION</th>
<th>Volume of Work</th>
<th>Foreign Currency Value</th>
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<tbody>
<tr>
<td>a</td>
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<td>Unit</td>
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<tr>
<td>1</td>
<td>Supply of Imported Commissioning Spares</td>
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<td>2</td>
</tr>
<tr>
<td>2</td>
<td>Duties/Taxes/Freight/Insurance</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>(For Sl. No. 10 of Summary Schedule)</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Ocean/Air Freight.</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Customs Clearance (Excl.customs duty) including service tax and Education cess</td>
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<td></td>
</tr>
<tr>
<td>3</td>
<td>Port clearance and handling charges including service tax and education cess</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Inland transportation &amp; transit insurance charges from Dock/airport to SAIL-BSP worksite</td>
<td>11</td>
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<tr>
<td>5</td>
<td>Service Tax on Inland transport &amp; insurance charges</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Education Cess on Service Tax</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>b</td>
<td>(For Sl. No. 11 of Summary Schedule)</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Marine Insurance Charges including service tax &amp; cess</td>
<td>15</td>
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</tr>
<tr>
<td>c</td>
<td>Any other taxes, duties &amp; levies (Bidder to specify)</td>
<td>16</td>
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</tr>
</tbody>
</table>

Total (In Words):

### TABLE - 8

**PRICE SCHEDULE FOR SUPPLY OF INDIGENOUS COMMISSIONING SPARES**

<table>
<thead>
<tr>
<th>Sl. NO.</th>
<th>DESCRIPTION</th>
<th>Volume of Work</th>
<th>Amount In Rs Lakh</th>
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</thead>
<tbody>
<tr>
<td>a</td>
<td></td>
<td>Unit</td>
<td>Quantity</td>
</tr>
<tr>
<td>1</td>
<td>Supply of Indigenous Commissioning Spares</td>
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<td>2</td>
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</tbody>
</table>

Total (In Words):
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<tr>
<th>SL. No</th>
<th>DESCRIPTION</th>
<th>Volume of Work</th>
<th>RATE/ UNIT</th>
<th>PRICE in Rs Lakhs</th>
<th>TOTAL PRICE</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Unit</td>
<td>Quantity</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Civil Engineering Works including all supplies</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Dismantling work ( Plant &amp; Equipment, Buildings, Structures, Foundations etc.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>Civil work</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a 1</td>
<td>Excavation</td>
<td>m3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b 2</td>
<td>Piling ( Diameter and capacity wise )</td>
<td>Nos</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Average length</td>
<td>m</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c 3</td>
<td>Plain Cement Concrete</td>
<td>m3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>d 4</td>
<td>Heat Resistant Concrete</td>
<td>m3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>e 5</td>
<td>Reinforced Cement Concrete</td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>a) Below Ground Level</td>
<td>m3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>b) At Ground Floor</td>
<td>m3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>c) In Superstructure</td>
<td>m3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>f 6</td>
<td>Reinforcement steel works</td>
<td>T</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>g 7</td>
<td>Brickwork</td>
<td>m3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>h 8</td>
<td>Doors, Windows &amp; Ventilators</td>
<td>m2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>i 9</td>
<td>Flooring</td>
<td>m2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>j 10</td>
<td>Plastering</td>
<td>m2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>k 11</td>
<td>Road and Paved areas</td>
<td>m2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>l 12</td>
<td>Railway tracks</td>
<td>m</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>m 13</td>
<td>Any other items not mentioned above</td>
<td></td>
<td></td>
<td>(Bidder to Specify)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sub-total -II</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total price (I+ II)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total ( in Words)</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
### Price Schedule for Supply of Fabricated Building Steel Structures and Erection of Building Steel Structures Including Sheeting, Glazing & Final Painting

<table>
<thead>
<tr>
<th>SL. No</th>
<th>DESCRIPTION</th>
<th>Volume of Work</th>
<th>RATE/UNIT</th>
<th>PRICE in Rs lakhs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Unit</td>
<td>Quantity</td>
<td>Basic price</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Excise Duty on f</td>
<td></td>
<td>Education cess on g</td>
</tr>
<tr>
<td>a</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>d</td>
<td></td>
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<tr>
<td>e</td>
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<td></td>
</tr>
<tr>
<td>f</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>g</td>
<td></td>
<td></td>
<td></td>
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<td>h</td>
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<td></td>
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<tr>
<td>i</td>
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<td>j</td>
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<td>k</td>
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<td>l</td>
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<td>m</td>
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<tr>
<td>P</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

#### I Building Steel Structures
- Fabricated at BSL/SAIL Site
- Fabricated at Contractor’s Site

#### II Sheeting Materials for Roof/ Side/ Cable Cladding
- a) Galvanised Corrugated Sheet (GCS) m2
- b) Asbestos Cement AC) Sheets m2
- c) Glazed Sheets m2

Sub-total (I + II)

#### III Erection of:
- a) Building Steel Structures T
- b) Sheeting Materials for Roof/ Side/ Cable Cladding m2
- c) Glazed Sheets m2

#### IV Others, if any (Bidder to Specify)

Sub-total (III + IV)

TOTAL (I to IV)

Total (in Words)
<table>
<thead>
<tr>
<th>Sl. NO.</th>
<th>Items</th>
<th>Volume of Work</th>
<th>Unit</th>
<th>Quantity</th>
<th>Unit rate</th>
<th>Basic Price</th>
<th>Storage cum Erection Insurance</th>
<th>Service Tax</th>
<th>Education Cess on Service Tax</th>
<th>Any other taxes &amp; levies (Bidder to specify)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Erection and installation including Storage &amp; handling, Construction of stores, receipt, transportation, loading and unloading, start-up, testing &amp; commissioning, trial operation, stabilisation &amp; performance guarantee tests of the complete unit/system including all statutory /contingency insurance coverage, eg. third party liability, ESI, workmen compensation etc.</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Mechanical Plant &amp; Equipment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>a)</td>
<td>Main equipment</td>
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<td></td>
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</tr>
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<td>Technological Structures</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c)</td>
<td>Cranes, Hoists and Trolleys</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>d)</td>
<td>Ventilation and Air-conditioning and other pollution control equipment</td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>e)</td>
<td>Utilities and services</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Gas facilities</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>- Compressed air facilities</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>- Water supply and sewage facilities</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>f)</td>
<td>Building and yard utilities</td>
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<td></td>
</tr>
<tr>
<td>g)</td>
<td>Laboratory and testing equipment</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>h)</td>
<td>Fire protection system</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>i)</td>
<td>Other Miscellaneous equipment</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>2</td>
<td>Electrical Plant and equipment</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>Main equipment</td>
<td></td>
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<td></td>
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<tr>
<td>b)</td>
<td>Motors and Controls</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c)</td>
<td>Transformers, Powerdistribution, Lighting, Earthing, Lighting protection and cabling</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>d)</td>
<td>Other Miscellaneous equipment</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>3</td>
<td>Instrumentation &amp; Control</td>
<td></td>
<td></td>
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<tr>
<td>4</td>
<td>Automation including Computers</td>
<td></td>
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</tr>
<tr>
<td>a)</td>
<td>Telecommunication system including Cabling and CCTV</td>
<td></td>
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<tr>
<td>5</td>
<td>Refractories</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>a)</td>
<td>Indigenous refractories</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<td></td>
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<tr>
<td>b)</td>
<td>Imported refractories</td>
<td></td>
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<tr>
<td>Total</td>
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<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
TABLE - 12

PRICE SCHEDULE FOR FOREIGN SUPERVISION CHARGES IN INDIA DURING ERECTION, START-UP, COMMISSIONING AND PERFORMANCE GUARANTEE TESTS

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description</th>
<th>Estimated Man days</th>
<th>Rate per Man days</th>
<th>Price in Foreign Currency</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>Foreign supervision charges in India during Erection, Start-up, Commissioning and Performance Guarantee tests</td>
<td>c</td>
<td>d</td>
<td>e</td>
</tr>
<tr>
<td>1</td>
<td>Category of Personnel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>i)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ii)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>iii)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL (In Words)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TABLE - 13

PRICE SCHEDULE FOR TRAINING CHARGES

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description</th>
<th>Estimated Man days for Employer's Personnel for Training</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>Providing training to Employer's Technical personnel in Plant Operation and Maintenance in similar operating plants, etc. (tenderers to indicate details)</td>
<td>c</td>
<td>d</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Category of Personnel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>i)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ii)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>iii)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Service Tax on Training Charges in India</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Education Cess</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Any other taxes &amp; levies(Bidder to Specify)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total (In Words)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sl.No.</td>
<td>Description</td>
<td>Value of Po</td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>------------------------------------------------------------------------------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>b</td>
<td>c</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Supply of Indegenous Mechanical Plant and Equipment including Technological Structures</td>
<td>Reference Sub clause No.2.3 of Appendix-4</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Supply of Indegenous Electrical Plant and Equipment</td>
<td>Reference Sub clause No.2.4 of Appendix-4</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Erection of Mechanical and Electrical Plant and Equipment</td>
<td>Reference Sub clause No.2.4 of Appendix-4</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td><strong>Supply of Building Steel Structures and Sheeting</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Steel is procurred by the contractor)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reference Sub clause No.2.6.2 of Appendix-4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Erection of Steel Structures including Sheeting, Glazing and Final painting</td>
<td>Reference Sub clause No.2.7 of Appendix-4</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Civil Engineering works including all necessary supplies</td>
<td>Reference Sub clause No.2.8 of Appendix-4</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Erection of refractories</td>
<td>Reference Sub clause No.2.9 of Appendix-4</td>
<td></td>
</tr>
</tbody>
</table>
## TIME SCHEDULE

### 1.0 Time Schedule for Completion of the Facilities

The Facilities will be commissioned within ____ months from the effective date of the Contract as per Article-5 of the Contract Agreement and guaranteed performance parameters will be established by the Contractor within six (6) months from the date of commissioning. The overall time schedule for completion of the Facilities is indicated in the "Bar Chart" given below:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Items of Work</th>
<th>Commencement (No. of Month from Effective Date)</th>
<th>Completion (No. of Month from Effective Date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Basic Engineering</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td>2.</td>
<td>Detailed Design Engineering</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td>3.</td>
<td>Civil Work</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td>4.</td>
<td>Supply / Delivery of:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>i) Foundation Bolts &amp; Inserts</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>ii) Building Steel Structures &amp; Sheeting:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) Imported</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>b) Indigenous</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>iii) Mechanical Plant &amp; Equipment including Technological Structures:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) Imported</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>b) Indigenous</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>iv) Electrical Plant &amp; Equipment:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) Imported</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>b) Indigenous</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>v) Refractories:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) Imported</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>b) Indigenous</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>vi) Commissioning Spares:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) Imported</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>b) Indigenous</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>vii) Special Tools, Tackles, Consumables Oil &amp; Lubricants:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) Imported</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>b) Indigenous</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td>5.</td>
<td>Erection of Building Steel Structures &amp; Sheeting:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>For items for which Steel is procured by the Contractor</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td>6.</td>
<td>Erection:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mechanical Plant &amp; Equipment</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>Electrical Plant &amp; Equipment</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td>7.</td>
<td>Erection of Refractories</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td>8.</td>
<td>Preliminary Acceptance</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td>9.</td>
<td>Commissioning</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td>10.</td>
<td>Performance Guarantee Test</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td>11.</td>
<td>Defects Liability Period</td>
<td>_____</td>
<td>_____</td>
</tr>
</tbody>
</table>
1.2 The Time schedule indicated in the Bar Chart at Sub-Clause 1.1, shall be binding on the Contractor.

2.0 Time Schedule for Feedback Data, Drawings and Documents

2.1 Within four weeks from the Effective Date of Contract, the Contractor shall submit to the Engineer / Consultant preliminary list of all drawings and documents by title using the approved numbering system and indicating the schedule of submission of drawings in conformity with the time schedule given in Clause 2.2 and 2.3 hereof. This list shall be updated and submitted by the Contractor at the end of every quarter of the year.

2.2 Drawing / Documents for Approval

2.2.1 The Contractor shall submit the various drawings and documents to the Engineer / Consultant for approval, as per the following schedule.

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Description</th>
<th>No. of Copies</th>
<th>Time of Submission in weeks from the Effective Date of Contract</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Basic Engineering :</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Name Plate and Numbering System System</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Inspection procedures.</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Site plan / layout drawing showing battery limits and co-ordinated plans of all units and facilities including requirements of utilities and other parameters at battery limits (in 1:500 scale).</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Process Engineering Assumption / Basic Data</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Process flow sheets and P&amp;I Diagram for equipment and services</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Material balance sheet</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>S. No.</td>
<td>Description</td>
<td>No. of Copies</td>
<td>Time of Submission in weeks from the Effective Date of Contract</td>
</tr>
<tr>
<td>--------</td>
<td>-----------------------------------------------------------------------------</td>
<td>---------------</td>
<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>7.</td>
<td>Utilities / energy balance sheets and heat load calculations for air-conditioning, ventilation and cooling water systems, Design calculations for stack.</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>8.</td>
<td>General arrangement &amp; shop layout drawings including cross-sections for shops / systems / services including equipment disposition and facilities.</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>9.</td>
<td>GA drawings and design criteria for steel structures.</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>10.</td>
<td>Civil Engineering &amp; Structural design criteria</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>11.</td>
<td>Design criteria for cable selection, number of feeders, motor ratings, lighting, earthing, etc. and electrical consumer arrangement plans.</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>12.</td>
<td>Single line diagrams, block diagrams, GA and layout drawings for electricals.</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>13.</td>
<td>Instrumentation and control schemes and sequence logic diagrams, List of Instruments and Instruments data sheets, Panels and desk front view diagrams, Control room layout drawings.</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>14.</td>
<td>Design criteria, general arrangement and layout drawings for pipework and ductwork.</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>15.</td>
<td>Equipment list and motor list (for information).</td>
<td>10</td>
<td>_____</td>
</tr>
</tbody>
</table>

**B Design and Engineering:**

<p>| 1.     | GA &amp; Sectional drawings for foundation of buildings and equipment including tunnels, trenches, basements, etc. | 10            | _____                                                         |</p>
<table>
<thead>
<tr>
<th>S. No.</th>
<th>Description</th>
<th>No. of Copies</th>
<th>Time of Submission in weeks from the Effective Date of Contract</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
<td>Outline architectural drawings of all buildings including special features and finishes.</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>3.</td>
<td>Layout and sections of roads, railway tracks, drainage &amp; sewerage (with invert levels).</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>4.</td>
<td>Structural design drawings (supported by design calculations)</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>5.</td>
<td>Equipment General arrangement &amp; major assembly and sub-assembly drawings (including equipment for various services)</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>6.</td>
<td>General arrangement of pulpit, control desks, etc.</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>7.</td>
<td>Colour schemes</td>
<td>10</td>
<td>____</td>
</tr>
</tbody>
</table>

2.2.2 After approval by the Employer / Consultant, the Contractor shall submit approved drawings and documents in 10 copies, to the Employer.

2.3 **Drawings / Documents for Information / Review**

2.3.1 The Contractor shall submit to the Engineer / Consultant for information / review of the drawings and documents as per the Schedule given below :

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Description</th>
<th>No. of Copies</th>
<th>Time of Submission in weeks from the Effective Date of Contract</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Soil Investigation Report</td>
<td>5</td>
<td>____</td>
</tr>
<tr>
<td>2.</td>
<td>Preliminary foundation outline drawings</td>
<td>5</td>
<td>____</td>
</tr>
<tr>
<td>3.</td>
<td>Certified foundation drawing including load data</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>4.</td>
<td>Excavation outline drawings</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>S. No.</td>
<td>Description</td>
<td>No. of Copies</td>
<td>Time of Submission in weeks from the Effective Date of Contract</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------------------------------------------------------------</td>
<td>---------------</td>
<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>5.</td>
<td>Civil working drawing including bar bending schedules.</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>6.</td>
<td>Locations, schedules, fixing details, details, loadings etc. for foundation / anchor bolts, inserts &amp; embedments.</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>7.</td>
<td>Design calculations for all civil and structural work.</td>
<td>5</td>
<td>_____</td>
</tr>
<tr>
<td>8.</td>
<td>Design calculations for all electrical work</td>
<td>5</td>
<td>_____</td>
</tr>
<tr>
<td>9.</td>
<td>Design calculations for all pipework and ductwork</td>
<td>5</td>
<td>_____</td>
</tr>
<tr>
<td>10.</td>
<td>Structural fabrication drawings with bill of materials.</td>
<td>5</td>
<td>_____</td>
</tr>
<tr>
<td>11.</td>
<td>Performance data, characteristic including duty points.</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>12.</td>
<td>Assignment from Contractor for number of feeders to be provided by the Employer</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>13.</td>
<td>List of electro-magnetic valves, limit switches etc.</td>
<td>5</td>
<td>_____</td>
</tr>
<tr>
<td>14.</td>
<td>Control description and schematic including PLC input / output chart.</td>
<td>5</td>
<td>_____</td>
</tr>
<tr>
<td>15.</td>
<td>Cable tray arrangement, cable and instrument pipe schedule and routings.</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>16.</td>
<td>Lighting earthing and lightening protection drawings.</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>17.</td>
<td>Terminal plans and interconnection diagrams for electrical works</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>18.</td>
<td>Conduit drawings and cut out details</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>S. No.</td>
<td>Description</td>
<td>No. of Copies</td>
<td>Time of Submission in weeks from the Effective Date of Contract</td>
</tr>
<tr>
<td>-------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>---------------</td>
<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>19.</td>
<td>Loop schemes, power supply and distribution schemes and panels and desk internal wiring diagrams External connection including terminal wiring diagrams for power control and instrumentation cables</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>20.</td>
<td>Detailed drawings for pipe &amp; duct work</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>21.</td>
<td>Detailed drawings for under ground and overground services and utilities (including water system).</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>22.</td>
<td>Drawings for approval of Statutory Authorities</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>23.</td>
<td>Instructions for storage &amp; reconservation including those for electrical, instrumentation and communication items.</td>
<td>6</td>
<td>____</td>
</tr>
<tr>
<td>24.</td>
<td>Erection drawings, erection specifications and Erection Instructions.</td>
<td>6</td>
<td>____</td>
</tr>
<tr>
<td>25.</td>
<td>Refractory lining work drawings</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>26.</td>
<td>Drawings for various sizes and shapes of refractories with</td>
<td>5</td>
<td>____</td>
</tr>
<tr>
<td>27.</td>
<td>Integrated Operation / safety and Maintenance Manuals material specification.</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>28.</td>
<td>Manufacturing drawings &amp; Ordering Specifications for Operation &amp; Maintenance Spares</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>29.</td>
<td>Detailed Assignment Schedule for Deputation of Overseas Experts / Specialists as per GCC Clause 18.1.1 - For Employer’s approval</td>
<td>5</td>
<td>____</td>
</tr>
<tr>
<td>30.</td>
<td>Recommended Man-power Requirement for Operation &amp; Maintenance of the Facilities as per GCC Clause 18.6</td>
<td>5</td>
<td>____</td>
</tr>
<tr>
<td>S. No.</td>
<td>Description</td>
<td>No. of Copies</td>
<td>Time of Submission in weeks from the Effective Date of Contract</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------------------------------------------------------------</td>
<td>---------------</td>
<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>31.</td>
<td>Job Specification of Critical Positions as per GCC Clause 18.6.2</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>32.</td>
<td>Schedule for Training of Employer's as per GCC Clause 18.7</td>
<td>5</td>
<td>_____</td>
</tr>
<tr>
<td></td>
<td>- For Employer's approval</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2.3.2 After "no comment" clearance by the Engineer / Consultant, the Contractor shall submit the final drawings and documents in 10 copies, to the Employer.

2.4 As-Built Drawings And Documents

2.4.1 The Contractor shall submit As-built drawings & documents after Performance Guarantee Test, but before release of payment for PG Test certificate as per Clause 27 of GCC, as per the Schedule given below:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Description</th>
<th>No. of Copies</th>
<th>Time of Submission in weeks from the Effective Date of Contract</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>General arrangement, assembly and sub-assembly drawings</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>2.</td>
<td>Performance data</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>3.</td>
<td>Test charts and inspection certificates in bound volumes</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>4.</td>
<td>All design calculations with respective approved design criteria in bound volumes</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>5.</td>
<td>Flow diagrams and material balance sheets</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>6.</td>
<td>Electrical &amp; instrumentation drawings</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>7.</td>
<td>Civil working drawings</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>8.</td>
<td>Steel structures drawings</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>9.</td>
<td>Utilities and services drawings</td>
<td>10</td>
<td>_____</td>
</tr>
<tr>
<td>S. No.</td>
<td>Description</td>
<td>No. of Copies</td>
<td>Time of Submission in weeks from the Effective Date of Contract</td>
</tr>
<tr>
<td>--------</td>
<td>------------------------------------------------------------------------------</td>
<td>---------------</td>
<td>-----------------------------------------------------------------</td>
</tr>
<tr>
<td>10</td>
<td>Refractories work drawings</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>11</td>
<td>Operation and safety manuals</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>12</td>
<td>Maintenance manuals</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>13</td>
<td>List of spares (Operation, Maintenance)</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>14</td>
<td>Manufacturing drawings &amp; bill of materials for Operation &amp; Maintenance Spares</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>15</td>
<td>Ordering Specifications including catalogues &amp; details for Operation &amp; Maintenance Spares</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>16</td>
<td>Manufacturing drawings / ordering specifications for operating consumables / supplies</td>
<td>10</td>
<td>____</td>
</tr>
<tr>
<td>17</td>
<td>One set of all documents as listed above, on CD and 3 1/2&quot; floppies prepared on CAD</td>
<td>1 Set</td>
<td>____</td>
</tr>
</tbody>
</table>

2.5 Equipment drawings and Erection Instructions drawings for the Plant and Equipment shall be supplied by the Contractor at least one month before the shipment / despatch of the Plant & Equipment.
TERMS OF PAYMENT

1. General

1.1 In accordance with the provisions of Clause 12 of GCC (Terms of Payment), the Employer shall pay the Contractor for the Scope of Facilities detailed under Clause 7 of GCC & Technical Specifications, on the basis of the price break-up given in the Price Schedule (Appendix-1) and Billing Schedule as per Sub-Clause 11.7.1 of GCC.

1.2 The payments to be made in the Foreign currencies to the Contractor towards milestones, progress payments, Preliminary Acceptance, Commissioning & Final Acceptance, shall be made through Irrevocable Letter of Credit to be established by the Employer. The Letter of Credit shall be established for value covering 100% of the Price indicated in foreign currencies.

1.2.1 The Letter of Credit will be opened within 15 days from the date of receipt of correct Performance Bank Guarantee. In case, Letter of Credit is not opened within 15 days by the Employer from the date of receipt of Performance Bank Guarantee by the Employer, then effective date of contract and time for completion of facilities shall be extended for the period of delay beyond 15 days.

The validity of Letter of Credit will be agreed upon between the Contractor and the Employer during Contract finalization.

1.2.2 If extension of validity of Letter of Credit becomes necessary due to delay attributable to the Contractor, all Bank charges for such extension of validity of Letter of Credit, shall be borne by the Contractor. However, if extension of validity of L/C becomes necessary due to delay attributable to the Employer, all bank charges for such extension of validity shall be borne by the Employer.

1.2.3 The Employer shall establish Letter of Credit at State Bank of India (SBI) and advise through its Overseas Branch to be specified by the Contractor. Should the Contractor need confirmation of Letter of Credit, charges for the same are to be borne by the Contractor. All Bank charges outside India, related to Letter of Credit, shall be borne by the Contractor. The Employer shall bear all the Bank charges in India, in establishing Letter of Credit at the SBI.

The Contractor shall intimate the name of Beneficiary’s Bank while submitting the request for opening the request for opening of L/C to the Employer.
1.3 The Contract is a Divisible Contract. The Contractor shall submit complete and correct separate invoices and documents for supplies and services both for payments to be made in Foreign currencies and Indian currency.

1.4 In case the Contractor is a Consortium of two or more parties as indicated in the Sub-Clause 3.9 of GCC, the Employer shall make direct payment to all such parties on certification of the Leader.

However, certification of the leader will not be required for each Invoice, provided the Leader of the consortium submits a general authorization document, authorizing the employer to release payment to its consortium members directly.

1.5 The Contractor shall reimburse the Employer all costs, charges, damages or expenses which the Employer may have paid or incurred, if and to the extent to which the Contractor is liable under this Contract to pay within thirty (30) days upon written request of the Engineer, failing which such costs, charges, damages or expenses shall be deducted by the Employer from any money due or becoming due by the Employer to the Contractor under this Contract or any other Contract failing which such amounts shall be considered as debt from the Contractor to the Employer and shall be recoverable accordingly.

1.6 **INCOME TAX**

Any Indian Income Tax which Employer may be required to deduct by law or statute, shall be deducted at the source under Chapter XVII B and the same shall be paid to Income Tax Authorities on account of the Contractor. Employer shall provide the Contractor a certificate for such deduction of Tax. The Contractor shall indicate their Permanent Account Number with the relevant Income Tax Authority to Employer. Contractors shall maintain books of account and shall get the account audited as per Section 44DA of Income Tax Act.

If the Contractor is exempted from the deduction /recovery of Income Tax, no such recovery shall be made by Employer. Contractor shall furnish valid exemption Certificate issued by Income Tax Department to this effect.

2. **Terms of Payment**

2.1 **Terms of Payment other than training**

2.1.1 Five per cent (5%) of the total contract price specified in Appendix-1 excluding taxes, duties (except service tax) and training charges shall be released on submission of basic engineering drawings and the basic engineering data (to be finalized during technical discussion) and submission and approval of general layout drawings of the Shop.
2.1.2 Five per cent (5%) of the total contract price specified in Appendix-1 excluding taxes, duties (except service tax) and training charges shall be released on placement of orders, for identified equipments/items (to be finalized during technical discussion) and submission of un-priced of the purchase orders of the same by the Contractor.

2.1.3 Seventy Seven and a half percent (77.5%) of the Contract Price specified in the Appendix-1, excluding taxes, duties (except service tax) and training charges shall be released towards progress payments and 100% of the taxes and duties on submission of documentary evidence along with release of progress payment of 75% as per Sub-Clause 2.3.

Service Tax & Education Cess shall be paid to the Contractor at actual. The Invoice for the service portion shall separately indicate the Service Tax & Education Cess claimed by the Contractor along with their relevant Service Tax Registration Number obtained by the Contractor.

2.1.4 Two and a half percent (2.5%) of the Contract Price excluding taxes, duties, Service Tax & Education Cess and training charges specified in the Appendix-1, shall be released upon issue of the Preliminary Acceptance Certificate.

2.1.5 Two and a half percent (2.5%) of the Contract Price excluding taxes, duties, Service Tax & Education Cess and training charges specified in the Appendix-1, shall be released upon issue of the Commissioning Certificate.

2.1.6 Five percent (5%) of the Contract Price excluding taxes, duties, Service Tax & Education Cess and training charges specified in the Appendix-1, shall be released after establishment of Performance Guarantee parameters and issue of performance guarantee certificate.

2.1.7 Two and a half percent (2.5%) of the Contract Price excluding taxes, duties, Service Tax & Education Cess and training charges specified in the Appendix-1, shall be released upon issue of the Final Acceptance Certificate.

2.1.8 All interim/progress payments shall be regarded as payments by way of advance against the final payment only and not as payment for work completed and shall not preclude defective/imperfect/incomplete Facilities to be removed. It will not be considered as an admission by the Employer of the due performance of the Contract, or any part thereof by the Contractor nor shall it preclude, determine or affect in any way the powers of the Employer under these conditions or in any way vary or affect the Contract.

2.2 Terms of Payment for Training Charges
2.2.1 Ninety five percent (95%) of the Price specified in the Appendix-1, shall be released on pro-rata basis upon completion of each quarter on actual training man-days utilised during the quarter.

2.2.2 Five percent (5%) of the Price specified in the Appendix-1, shall be released upon issue of the Final Acceptance Certificate.

Service Tax & Education Cess shall be paid to the Contractor at actual. The Invoice for the service portion shall separately indicate the Service Tax & Education Cess claimed by the Contractor along with their relevant Service Tax Registration Number obtained by the Contractor.

2.3 Progress Payments [Seventy Five percent (77.5%) of Price]

2.3.1 Design & Engineering

2.3.1.1 Seventy Seven and a half percent (77.5%) of the Price specified in the Appendix-1, shall be released at the end of each quarter on pro-rata basis and as per progress of submission & approval of design & engineering in accordance with the approved Billing Schedule.

2.3.2 Civil Engineering Work including all related Supplies

2.3.2.1 Seventy Seven and a half percent (77.5%) of the Price specified in the Appendix-1, shall be released on monthly pro-rata basis subject to satisfactory progress of work as per the approved Billing Schedule.

2.3.3 Supply of Building & Technological Steel Structures and Plant & Equipment including Refractories & Commissioning Spares

2.3.3.1 Seventy Seven and a half percent (77.5%) of the Price specified in the Appendix-1, along with 100% taxes and duties shall be released on receipt of steel structures and plant & equipment at Site, in full and good condition, in case of indigenous steel structures and plant & equipment and for imported steel structures and plant & equipment for which prices indicated in the Contract are in Foreign currencies, on receipt of Shipping Documents specified in the Sub-Clause 21.4.5 of GCC.

2.3.4 Ocean Freight, Customs Clearance (excluding Customs Duty), Port Clearance & Inland Transportation including Composite & Comprehensive Marine cum Erection Insurance, etc.

2.3.4.1 Seventy Seven and a half percent (77.5%) of the Price specified in the Appendix-1, shall be released on monthly pro-rata basis upon satisfactory progress of receipt of imported supplies for which the prices indicated in the Contract are in Foreign currencies, at site and against submission of necessary document along with invoices duly certified by the Employer.
2.3.5 **Erection of Building Steel Structures including Sheeting & Final Painting**

2.3.5.1 Seventy Seven and a half percent (77.5%) of the Price specified in the Appendix-1, shall be released on actual Tonnage basis when the steel structures including sheeting, are placed on the foundation/in position, aligned, welded/grouted, checked & finally painted.

2.3.6 **Erection of Refractories**

2.3.6.1 Seventy Seven and a half percent (77.5%) of the Price specified in the Appendix-1, shall be released on actual Tonnage basis when the refractories are erected in position & checked.

2.3.7 **Erection of Mechanical & Electrical Plant & Equipment including Technological Steel Structures, Testing, Commissioning & Performance Guarantee Tests of Facilities**

2.3.7.1 Twenty percent (20%) of the Price specified in the Appendix-1, shall be released on actual Tonnage basis when the plant & equipment are placed on the foundation/in position.

2.3.7.2 Forty percent (40%) of the Price specified in the Appendix-1, shall be released on actual Tonnage basis when the plant & equipment are completely erected, aligned, welded/grouted & checked and connected with all the auxiliaries and utilities.

2.3.7.3 Seventeen & half percent (17.5%) of the Price specified in the Appendix-1, shall be released on actual Tonnage basis after trial runs of the individual plant & equipment/unit (cold trial runs in case of Facilities involving operation at high temperature).

2.3.8 **Supervision of Erection, Testing, Commissioning and Performance Guarantees Tests by Foreign Experts**

2.3.8.1 Seventy Seven and a half percent (77.5%) of the Price specified in the Appendix-1, shall be released at the end of every month on pro-rata basis of utilisation of mandays in that particular month duly certified by the Employer subject to the total price payable for supervision not being in excess of the provisions made in the Contract.

Service Tax & Education Cess shall be paid to the Contractor at actual. The Invoice for the service portion shall separately indicate the Service Tax & Education Cess claimed by the Contractor along with their relevant Service Tax Registration Number obtained by the Contractor.

2.3.9 The Employer shall release the payment to the Contractor within 30 days from the date of receipt of the complete and correct invoices & relevant documents.
### Format of Letter of Credit

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of L/C</strong></td>
<td>Irrevocable</td>
</tr>
<tr>
<td><strong>Date &amp; Place of L/C</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Name &amp; Address of Applicant</strong></td>
<td>Steel Authority of India Ltd, Bhilai Steel Plant, Bhilai</td>
</tr>
<tr>
<td><strong>Name &amp; Address of the Beneficiary</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Currency &amp; Amount of Credit (in Figures &amp; Words)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Variation in L/C amount or additional amount permitted</strong></td>
<td>Not Applicable</td>
</tr>
<tr>
<td><strong>Usance of the Drafts</strong></td>
<td>At Sight</td>
</tr>
<tr>
<td><strong>Credit available with / by</strong></td>
<td>Advising Bank / Payment</td>
</tr>
<tr>
<td><strong>Drafts to be drawn on</strong></td>
<td>State Bank of India, Commercial Branch, Bhilai, 490001, Chattisgarh, India</td>
</tr>
<tr>
<td><strong>Validity of Letter of Credit</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Partial Shipment</strong></td>
<td>Allowed</td>
</tr>
<tr>
<td><strong>Transhipment</strong></td>
<td>Not Allowed</td>
</tr>
<tr>
<td><strong>Shipment from</strong></td>
<td>----------- Air / Sea Port</td>
</tr>
<tr>
<td><strong>Shipment to</strong></td>
<td>Mumbai Air / Sea port</td>
</tr>
<tr>
<td><strong>Latest Shipment Date</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Documents Required</strong></td>
<td>As per Separate Annexure enclosed.</td>
</tr>
<tr>
<td><strong>Specify, if any charges are to beneficiary’s account</strong></td>
<td>All Charges outside India to beneficiary’s account.</td>
</tr>
<tr>
<td><strong>Documents to be presented</strong></td>
<td>Within 7 days / 21 days in case of Air / Sea shipment as the case may be</td>
</tr>
<tr>
<td><strong>Confirmation Instructions</strong></td>
<td>If beneficiary wishes to be confirmed, at their cost.</td>
</tr>
<tr>
<td><strong>Credit to be advised to the beneficiary through (Bank Name, A/c No., Swift Code)</strong></td>
<td>Bank Name ............ A/c No........ Swift Code..........</td>
</tr>
</tbody>
</table>
Annexure forming part of Letter of Credit Application

Documents are to be presented for the Purpose of Payment and Terms & Conditions

A. Total Letter of Credit value is .................which is equivalent to 100% Contract Value payable against the following activities :-

<table>
<thead>
<tr>
<th>Activity</th>
<th>Foreign Currency</th>
</tr>
</thead>
<tbody>
<tr>
<td>(I) Design &amp; Engineering</td>
<td></td>
</tr>
<tr>
<td>(II) Supply of Plant &amp; Equipment</td>
<td></td>
</tr>
<tr>
<td>(III) Refractories</td>
<td></td>
</tr>
<tr>
<td>(iii) Supply of Commissioning Spares</td>
<td></td>
</tr>
<tr>
<td>(iv) Ocean Freight, Marine Insurance</td>
<td></td>
</tr>
<tr>
<td>(v) Foreign Supervision Charges</td>
<td></td>
</tr>
<tr>
<td>(vi) Training Charges</td>
<td></td>
</tr>
</tbody>
</table>

B. Break-up of payments and Documents to be presented against respective drawals: -

1. (i) 5% of the Contract value excluding Training i.e. ................. shall be released against submission of Certificate from Dy. General Manager I/c (Project-Commercial), SAIL, Bhilai Steel Plant, Bhilai stating that the beneficiary has submitted basic engineering drawings and the basic engineering data (to be finalized during technical discussion) and submission and approval of general layout drawings of the Shop.
   as per Appendix-3 (Terms of payment clause 2.1(a) of contract) and indicating therein the value of payment to be claimed by beneficiary.
   (Original)
   (ii) Beneficiary’s invoice signed in ink indicating therein each activity separately and indicating the Gross Value, less amounts already claimed and the Present Claim of the each activity. (One original and 5 Copies)

   (iii) Copy of Courier receipt alongwith a Certificate from the beneficiary stating that one set of non-negotiable documents each has been sent to (1) Sr Manager (Finance), Project Import Accounts, Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhattisgarh, India and (2) DGM I/c (Project-EPS) Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhattisgarh, India. (Three Copies)

2. (i) 5% of the Contract value excluding Training i.e. ................. shall be released against submission of Certificate from Dy. General Manager I/c (Project-Commercial), SAIL, Bhilai Steel Plant, Bhilai confirming that the beneficiary has placed orders for identified equipments/ items (to be finalized during technical discussion) and submitted copies of un priced Purchase Orders for the identified bought out items by them as per Appendix-3 (Terms of payment clause 2.1(b) of the Contract) and indicating therein the value of payment to be claimed by beneficiary.
   (Original)
   (ii) Beneficiary’s invoice signed in ink indicating therein each activity separately and indicating the Gross Value, less amounts already claimed and the Present Claim of the each activity. (One original and 5 Copies)
(iii) **Copy of Courier receipt alongwith a Certificate** from the beneficiary stating that one set of non-negotiable documents each has been sent to (1) Sr Manager (Finance), Project Import Accounts, Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhatisgarh, India and (2) DGM I/c (Project- Commercial) Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhatisgarh, India. (Three Copies)

3  
(i) 77.5% of the Price of Design & Engineering i.e. .......... shall be released at the end of each quarter, on pro-rata basis as per clause 2.3.1 of Appendix-3 of the Contract on submission of **Certificate** from Dy. General Manager I/c (Project- Commercial), SAIL, Bhilai Steel Plant, Bhilai stating that the **progress of submission and approval of Design & Engineering** & indicating therein the value of progress payment to be claimed by beneficiary. (Original)

(ii) **Beneficiary's invoice** signed in ink indicating the gross value, less amount already claimed and the present claim against this activity. Invoice should carry the certificate stating that "**FEE FOR DESIGN & ENGINEERING AS MENTIONED IN TABLE-1 OF PRICE SCHEDULE (APPENDIX-1) OF THE CONTRACT NO. DGM/EPS/TK/2007/---- DATED-------- IS FOR THE WORK CARRIED OUT/SERVICES RENDERED IN ......... (OUTSIDE INDIA) ONLY AND NO WORK IS REQUIRED/HAS BEEN PERFORMED IN INDIA IN RESPECT OF DESIGN & ENGINEERING.**" (One original and 5 copies)

(iii) **Clean Airway Bill** made out in the name of State Bank of India, Commercial Branch, Sector-1, Bhilai - 490001, Chhattisgarh, INDIA - marked freight to pay. (One Original and 5 copies)

(iv) **Packing list**: Packing list should indicate the details of goods supplied and Gross weight & Net weight for the goods supplied & each packets and it should also contained a certificate thereof that the material are suitable and securely packed for despatch by Air / Road, which is necessary in accordance with standard practice and procedure. (One original and 5 copies)

(v) **Copy of Courier receipt alongwith a Certificate** from the beneficiary stating that one set of non-negotiable documents each has been sent to (1) Sr Manager (Finance), Project Import Accounts, Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhatisgarh, India and (2) DGM I/c (Project- Commercial) Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhatisgarh, India. (Three Copies)

4.  
77.5 % of Price of Plant and Equipment and Commissioning Spares i.e. .......... shall be released on prorate basis as per Sub-Clause 2.3.3.1 of Appendix-3 of the Contract against Shipping Documents as detailed below :-

(i) **On Board Bill of Lading / Air Way Bill** made out in the name of State Bank of India, Commercial Branch, Sector-1, Bhilai, 490001, Chhattisgarh, India marked freight to pay. Notify party - Steel Authority of India Limited, Bhilai Steel Plant, Bhilai, 490001, Chhattisgarh, India, 

(Three Original and 6 copies in case of Sea Shipment and Three Original and 3 copies in case of Air Shipment)
(ii) **Beneficiary’s invoice** signed in ink for the value of goods supplied indicating gross value of the goods less amount already drawn and the present claim. (One original and 5 copies)

(iii) **Certificate of Country of Origin** issued / certified by the Chamber of Commerce / Industries of Contractor’s country. (One original and 5 copies)

(iv) **Packing list**: Packing list should indicate the details of goods supplied and Gross weight & Net weight for the goods supplied & each Container/palates/packets and it should also contained a certificate thereof that the material are suitable and securely packed for dispatch by Air / Sea / Road, which is necessary in accordance with standard practice and procedure. (One original and 5 copies)

(v) **Phitosanitary Certificate**: In case of wooden packing only (one original and 5 copies)

(vi) **Manufacturer’s Test / Quality certificate** certifying that the material shipped is as per relevant Technical Specifications. (One original and 5 copies)

(vi) **Guarantee/Warranty Certificate** issued by the manufacturer (One original and 5 copies)

(vii) **Inspection Certificate / Dispatch clearance Certificate** issued by Dy. General Manager I/c (Projects), SAIL, Bhilai Steel Plant, Bhilai (Original)

(viii) **Insurance declaration** issued by the beneficiary to the Insurance Company for insurance cover of the consignment. The declaration should indicate the name of the vessel, the estimate date of departure, the estimate date of arrive, the name of the departure sea port, the name of arrive sea port, total gross weight, Total no. of Container/ Pallets, FOB value of supplies, Ocean / Air Freight Charges the number of letter of credit, and Contract No and date. (One original and 5 copies)

(ix) **Certificate** from the beneficiary to the effect that drawings and catalogues for Customs Clearance purpose have been kept with the packages for shipment. (One original and 5 copies)

(x) **Certificate** from beneficiary certifying that materials despatched are guaranteed as new and as per relevant Technical Specifications and also in line with quantity of materials as stated in the packing list. (One original and 5 copies)

(xi) **Copy of Courier receipt alongwith a Certificate** from the beneficiary stating that one set of non-negotiable documents each has been sent to (1) Sr Manager (Finance), Project Import Accounts, Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhatisgarh, India and (2) Resident Manager, SAIL, Bhilai Steel Plant, …………..Kolkata-20, India./Mumbai- India. (Three Copies)

5. 77.5 % of Price of Refractory i.e. ……… shall be released on prorate basis as per Sub-Clause 2.3.3.1 of Appendix-3 of the Contract against Shipping Documents as detailed below :-
(i) On **Board Bill of Lading / Air Way Bill** made out in the name of State Bank of India, Commercial Branch, Sector-1, Bhilai, 490001, Chhattisgarh, India marked freight to pay. Notify party - Steel Authority of India Limited, Bhilai Steel Plant, Bhilai, 490001, Chhattisgarh, India,

(Three Original and 6 copies in case of Sea Shipment and Three Original and 3 copies in case of Air Shipment)

(ii) **Beneficiary’s invoice** signed in ink for the value of goods supplied indicating gross value of the goods less amount already drawn and the present claim. (One original and 5 copies)

(iii) **Certificate of Country of Origin** issued / certified by the Chamber of Commerce / Industries of Contractor’s country. (One original and 5 copies)

(iv) **Packing list**: Packing list should indicate the details of goods supplied and Gross weight & Net weight for the goods supplied & each Container/palates/packets and it should also contained a certificate thereof that the material are suitable and securely packed for dispatch by Air / Sea / Road, which is necessary in accordance with standard practice and procedure. (One original and 5 copies)

(v) **Phitosanitary Certificate**: In case of wooden packing only (one original and 5 copies)

(v) **Manufacturer's Test / Quality certificate** certifying that the material shipped is as per relevant Technical Specifications. (One original and 5 copies)

(vi) **Guarantee/Warranty Certificate** issued by the manufacturer (One original and 5 copies)

(vii) **Inspection Certificate / Dispatch clearance Certificate** issued by Dy. General Manager l/c (Projects), SAIL, Bhilai Steel Plant, Bhilai (Original)

(viii) **Insurance declaration** issued by the beneficiary to the Insurance Company for insurance cover of the consignment. The declaration should indicate the name of the vessel, the estimate date of departure, the estimate date of arrive, the name of the departure sea port, the name of arrive sea port, total gross weight, Total no. of Container/ Pallets, FOB value of supplies, Ocean / Air Freight Charges the number of letter of credit, and Contract No and date. (One original and 5 copies)

(ix) **Certificate** from the beneficiary to the effect that **drawings and catalogues for Customs Clearance purpose** have been kept with the packages for shipment. (One original and 5 copies)

(x) **Certificate** from beneficiary certifying that materials despatched are **guaranteed as new** and as per relevant Technical Specifications and also in line with quantity of materials as stated in the packing list. (One original and 5 copies)

(xi) **Copy of Courier receipt alongwith a Certificate** from the beneficiary stating that one set of non-negotiable documents each has been sent to (1) Sr Manager
Projects

(Finance), Project Import Accounts, Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhattisgarh, India and (2) Resident Manager, SAIL, Bhilai Steel Plant, ………….Kolkata-20, India./Mumbai- India. (Three Copies)

6. (i) 77.5% of value of Ocean Freight & Marine Insurance i.e.……….. Shall be released on monthly pro-rata basis on the basis of certificate issued by Dy. General Manager I/c (Project- Commercial), Bhilai Steel Plant, Bhilai indicating the value of materials received at Bhilai Steel Plant and the amount payable against Freight and other charges as per clause 2.3.4.1 of Appendix-3 of the Contract. (Original)

(ii) Beneficiary’s invoice signed in ink indicating the gross value, less amount already claimed and the present claim against this activity. (One original and 5 copies)

(iii) Copy of Courier receipt alongwith a Certificate from the beneficiary stating that one set of non-negotiable documents each has been sent to (1) Sr Manager (Finance), Project Import Accounts, Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhattisgarh, India and (2) DGM I/c (Project- Commercial) Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhattisgarh, India. (Three Copies)

7. (i) 77.5% of Foreign Supervision charges i.e.………………. shall be released on prorata basis as per Clause 2.3.8.1 of Appendix-3 of the Contract against on submission of certificate issued by Dy. General Manager I/c (Project- Commercial), Bhilai Steel Plant, Bhilai certifying the number of mandays utilised in the particulars month and indicating therein the amount payable to beneficiary. (Original)

(ii) Beneficiary’s invoice signed in ink indicating the gross value, less amount already claimed and the present claim against this activity. (One original and 5 copies)

(iii) Copy of Courier receipt alongwith a Certificate from the beneficiary stating that one set of non-negotiable documents each has been sent to (1) Sr Manager (Finance), Project Import Accounts, Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhattisgarh, India and (2) DGM I/c (Project- Commercial) Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhattisgarh, India. (Three Copies)

8.(i) 95% of value of Training Charges i. e.…………….. shall be released on pro-rata basis upon completion of each quarter for the actual training mandays / mandays utilised during the quarter as per clause no. 2.2. of Appendix-3 of the Contract on the submission of certificate issued by Dy. General Manager I/c (Project- Commercial), Bhilai Steel Plant, Bhilai certifying the number of mandays utilised in the particulars quater and indicateing therein the amount payable to beneficiary. (Original)

(ii) Beneficiary’s invoice signed in ink indicating the gross value, less amount already claimed and the present claim against this activity. (One original and 5 copies)

(iii) Copy of Courier receipt alongwith a Certificate from the beneficiary stating that one set of non-negotiable documents each has been sent to (1) Sr Manager (Finance), Project Import Accounts, Expansion Building, Bhilai Steel Plant, Bhilai-
490001, Chhatisgarh, India and (2) DGM I/c (Project- Commercial) Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhatisgarh, India. (Three Copies)

9 (i) 2.5% of Contract Price excluding Training i.e.……… shall be released as per Clause 2.1.2 of Appendix-3 of the Contract on submission of Preliminary Acceptance Certificate issued by Deputy General Manager I/c (Project- Commercial), SAIL, Bhilai Steel Plant, Bhilai and indicating therein the amount payable to beneficiary. (Original)

(ii) Beneficiary's invoice signed in ink indicating therein each activity separately and indicating the Gross Value less amount already claimed and the Present Claim for each activity. (One original and 5 copies)

(iii) Copy of Courier receipt alongwith a Certificate from the beneficiary stating that one set of non-negotiable documents each has been sent to (1) Sr Manager (Finance), Project Import Accounts, Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhatisgarh, India and (2) DGM I/c (Project- Commercial) Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhatisgarh, India. (Three Copies)

10. (i) 2.5% of the Contract Price excluding Training i.e………… shall be released as per Clause 2.1.3 of Appendix-3 of the Contract on submission of Commissioning Certificate or a certificate stating that the Commissioning Test could not be conducted due to reasons attributable to Bhilai Steel Plant and the beneficiary has submitted the requisite Bank Guarantee issued by Deputy General Manager I/c (Project- Commercial), SAIL, Bhilai Steel Plant, Bhilai and indicating therein the amount payable to beneficiary (Original)

(ii) Beneficiary's invoice signed in ink indicating therein each activity separately and indicating the Gross Value less amount already claimed and the Present Claim for each activity. (One original and 5 copies)

(iii) Copy of Courier receipt alongwith a Certificate from the beneficiary stating that one set of non-negotiable documents each has been sent to (1) Sr Manager (Finance), Project Import Accounts, Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhatisgarh, India and (2) DGM I/c (Project- Commercial) Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhatisgarh, India. (Three Copies)

11.(i) 5% of the Contract Price excluding Training i.e.……….. shall be released as per Clause 2.1.4 of Appendix-3 of the Contract on submission of Performance Guarantee Certificate or a certificate stating that the Performance Guarantee Test could not be conducted due to reasons attributable to Bhilai Steel Plant and the beneficiary has submitted the requisite Bank Guarantee issued by Deputy General Manager I/c (Project- Commercial), SAIL, Bhilai Steel Plant, Bhilai and indicating therein the amount payable to beneficiary (Original)

(ii) Beneficiary's invoice signed in ink indicating therein each activity separately and indicating the Gross Value less amount already claimed and the Present Claim for each activity. (One original and 5 copies)
(iii) **Copy of Courier receipt alongwith a Certificate** from the beneficiary stating that one set of non-negotiable documents each has been sent to (1) Sr Manager (Finance), Project Import Accounts, Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhatisgarh, India and (2) DGM I/c (Project- Commercial) Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhatisgarh, India. (Three Copies)

12.(i) 2.5% of the Contract Price including Training i.e. ..........shall be released as per Clause 2.1.5 of Appendix-3 of the Contract on submission of the **Final Acceptance Certificate** issued by Deputy General Manager I/c (Project- Commercial), SAIL, Bhilai Steel Plant, Bhilai and indicating therein the amount payable to beneficiary (Original)

(ii) Beneficiary's invoice signed in ink indicating therein each activity separately and indicating the Gross Value less amount already claimed and the Present Claim for each activity. (One original and 5 copies)

(iii) **Copy of Courier receipt alongwith a Certificate** from the beneficiary stating that one set of non-negotiable documents each has been sent to (1) Sr Manager (Finance), Project Import Accounts, Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhatisgarh, India and (2) DGM I/c (Project- Commercial) Expansion Building, Bhilai Steel Plant, Bhilai-490001, Chhatisgarh, India. (Three Copies)

**Note:-**

1. All the documents shall indicate contract number & date and LC No. & date.
2. Wherever invoice is raised against supply of goods it should specifically mention that the items are freely Importable as per Foreign Trade Policy 2004-2009.
3. Wherever certificates are to issue by the Employer, Dy. General Manager I/c (Project- Commercial), SAIL, Bhilai Steel Plant, Bhilai is authorised signatory. Certificate issued by other official will not entitle beneficiary to claim payment.
PRICE ADJUSTMENT DUE TO VARIATION IN PRICE INDICES

1.0 The prices for the items for which the prices indicated in the Contract are in foreign currencies, shall not be subject to any price adjustment / escalation.

2.0 Where the stipulated* “Time for Completion” of the Contract exceeds twelve (12) months (Sub-Clause 11.3.3 of GCC) the prices payable to the Contractor, in accordance with the Contract, shall be subject to adjustment during performance of the Contract to reflect changes in the cost of labour and material components, in accordance with the formulae given in Sub- Clause 2.3 to 2.9 subject to a ceiling of 15% of Base Price of respective heads as specified in Sub-Clause 11.4.1 of GCC.

The price adjustment, if any, shall be allowed only for that part of the facilities, which are executed within the scheduled time for completion and the Price Variation will be limited to the Price Variation arising from the base date of the contract to the scheduled or actual completion period of the respective items of work (to be indicated in the billing schedule) whichever is earlier. This will however be allowed within the time for completion of the contract.

If the completion of facilities is delayed beyond scheduled date of completion due to reasons attributable to both the parties, then the period for delay attributable to the employer will be considered as initial delay and the price variation shall be applicable during this period as well.

Price adjustment, if any, if required to be made in terms of the Contract then the same shall be paid only after issue of commissioning certificate.

2.1 The Base Date of the Contract Price is ____________.[Base date of the Contract for the purpose of price adjustment shall be the date seven(7) days before last date of submission of price bid/ updated price bid]

2.2 The ‘Original Price’ as on Base Date shall be referred to as “Po” and the ‘Revised Price’ after price adjustment, if any, shall be referred to as “P” in the formulae given hereunder. “Po” and “P” are exclusive of taxes & duties. If, price adjustment becomes applicable in terms of the Contract, “P” minus “Po” shall be the net price adjustment to be made.

2.3 For Supply of Indigenous Mechanical Plant & Equipment including Technological Structures

Unless otherwise specified, the Price for supply of indigenous mechanical plant & equipment including Technological Structures shall be subject to adjustment as per the following formula:

\[ P = Po \left[ 0.20 + 0.80 \frac{RBi}{RBi \text{ } / \text{ } Po} \right] \]

Where :

\[ P \] = Revised price after adjustment.

\[ Po \] = Original Price for Supply of Indigenous Mechanical Plant & Equipment including Technological Structures as on Base Date.
RBii = RBI Index for heavy machinery & parts, Item No Ka of Table No 40 of Index Number of wholesale price in India, prevailing three months prior to actual month of despatch or three months prior to end scheduled completion month of delivery, whichever is earlier.

RBlo = RBI Index for heavy machinery & parts, Item No Ka of Table No 40 of Index Number of wholesale price in India, prevailing on Base Date.

2.4 For Supply of Indigenous Electrical Plant & Equipment

Unless otherwise specified, the Price for supply of indigenous electrical equipment shall be subject to adjustment as per the formula of Indian Electrical and Electronic Manufacturers’ Association (IEEMA).

For items of Facilities for which IEEMA formulae do not exist, the formula given under Sub-Clause 2.3 hereof, shall be applicable for the purpose of calculation of the Price Adjustment.

The Price Adjustment as above will be calculated based on IEEMA index prevailing three months prior to the actual date of despatch or three months prior to end scheduled completion month of delivery, whichever is earlier.

2.5 For Erection of Mechanical and Electrical Plant & Equipment

The prices for erection of mechanical and electrical plant & equipment shall be subject to adjustment as per the following formula:

\[
P = P_0 \left[ 0.50 + \frac{0.50}{LTO} \right]
\]

Where:

\[P\] = Revised price after adjustment.

\[P_0\] = Original Price for Erection of Mechanical and Electrical Plant & Equipment as on Base Date.

\[LTR\] = Minimum wage payable to the minimum rated unskilled worker within the Plant premises (as per the Gazette Notification for minimum wages issued by the State Government) on actual date of erection or scheduled date of erection, whichever is earlier.

or The revised Labour Rate of minimum rated worker applicable as per Tripartite agreement covering the payment of the Contractor’s workers within the plant premises on actual date of erection or schedule date of erection, whichever is earlier.

\[LTO\] = Minimum wage payable to the minimum rated unskilled worker within the Plant premises (as per the Gazette Notification for minimum wages issued by the State Government) on the base date.

or The original Labour Rate of minimum rated worker as applicable on the Base Date as per Tripartite agreement covering the payment of the Contractor’s workers within the plant premises.
The Price Adjustment towards the labour component, shall be payable for the quantities on pro-rata basis as per the agreed bar chart or actual quantity executed, whichever is less.

2.6 **For Supply of Building Steel Structures and Sheeting**

Unless otherwise specified, the Price for supply of building steel structures and sheeting shall be subject to adjustment in accordance with the following formulae:

2.6.1 For steel is procured by the Contractor under the scope of work.

\[
P = P_0 \left[ 0.3 + 0.4 \frac{RBI_i}{RBI_o} \right] + 0.3 \frac{LTR}{LTO}
\]

Where:

- \( P \) = Revised price after adjustment.
- \( P_0 \) = Original Price for Supply of Steel Structures & Sheeting as on Base Date.
- \( RBI_i \) = Wholesale price Index for raw steel as per RBI Bulletin prevailing three months prior to actual month of despatch or three months prior to end scheduled completion month of delivery, whichever is earlier.
- \( RBI_o \) = Wholesale price Index for raw steel as per RBI Bulletin prevailing on Base Date.

The details of LTR and LTO are given at **Sub-Clause 2.6.3**

2.6.2 For Building Steel Structures Fabricated inside Employer’s Plant Premises:

- \( LTR \) = Minimum wage payable to the minimum rated unskilled worker within the Plant premises (as per the Gazette Notification for minimum wages issued by the State Government) on actual date of erection or scheduled date of erection, whichever is earlier.
  
  or The revised Labour Rate of minimum rated worker applicable as per Tripartite agreement covering the payment of the Contractor’s workers within the plant premises on actual date of erection or schedule date of erection, whichever is earlier.

- \( LTO \) = Minimum wage payable to the minimum rated unskilled worker within the Plant premises (as per the Gazette Notification for minimum wages issued by the State Government) on the base date.
  
  or The original Labour Rate of minimum rated worker as applicable on the Base Date as per Tripartite agreement covering the payment of the Contractor’s workers within the plant premises.

**For Building Steel Structures Fabricated outside Employer’s Plant Premises:**

- \( LTR \) = Minimum wage payable to the minimum rated unskilled worker within the Plant premises (as per the Gazette Notification for minimum wages issued by the State Government) on actual date of erection or scheduled date of erection, whichever is earlier.
or The revised Labour Rate of minimum rated worker applicable as per Tripartite agreement covering the payment of the Contractor’s workers within the plant premises on actual date of erection or schedule date of erection, which ever is earlier.

LTO = Minimum wage payable to the minimum rated unskilled worker within the Plant premises (as per the Gazette Notification for minimum wages issued by the State Government) on the base date.

or The original Labour Rate of minimum rated worker as applicable on the Base Date as per Tripartite agreement covering the payment of the Contractor’s workers within the plant premises.

2.7 For Erection of Building Steel Structures and Sheeting

Unless otherwise specified, the Price for erection and installation of building steel structures and sheeting including final painting shall be subject to adjustment in accordance with the formula given hereunder:

\[ P = \frac{\text{LTR}}{\text{LTO}} \times (0.60 + 0.40) \]

Where:

P = Revised price after adjustment.
Po = Original Price for Erection of Steel Structures and Sheeting as on Base Date.
LTR = Minimum wage payable to the minimum rated unskilled worker within the Plant premises (as per the Gazette Notification for minimum wages issued by the State Government) on actual date of erection or scheduled date of erection, whichever is earlier.

or The revised Labour Rate of minimum rated worker applicable as per Tripartite agreement covering the payment of the Contractor’s workers within the plant premises on actual date of erection or schedule date of erection, which ever is earlier.

LTO = Minimum wage payable to the minimum rated unskilled worker within the Plant premises (as per the Gazette Notification for minimum wages issued by the State Government) on the base date.

or The original Labour Rate of minimum rated worker as applicable on the Base Date as per Tripartite agreement covering the payment of the Contractor’s workers within the plant premises.

2.8 For Civil Engineering Works including all necessary Supplies*

Unless otherwise specified, the Price for the Civil Engineering works including all necessary supplies shall be subject to adjustment in accordance with the following formulae:

\[ P = \frac{\text{RBl}i (cement)}{\text{RBl}o (cement)} \times \frac{\text{LTR}}{\text{LTO}} \times \frac{\text{RBl}i (steel)}{\text{RBl}o (steel)} \times (0.35 + 0.25 + 0.3 + 0.10) \]
Where:

\[ P = \text{Revised price after adjustment.} \]

\[ Po = \text{Original Price for Civil Engineering works as on Base Date.} \]

\[ \text{RBIi(cement)} = \text{Wholesale price Index for cement as per RBI Bulletin prevailing three months prior to actual month of despatch or three months prior to end scheduled completion month of delivery, whichever is earlier.} \]

\[ \text{RBIo(cement)} = \text{Wholesale price Index for cement as per RBI Bulletin prevailing on Base Date.} \]

\[ \text{LTR} = \text{Minimum wage payable to the minimum rated unskilled worker within the Plant premises (as per the Gazette Notification for minimum wages issued by the State Government) on actual date of erection or scheduled date of erection, whichever is earlier.} \]

\[ \text{LTO} = \text{Minimum wage payable to the minimum rated unskilled worker within the Plant premises (as per the Gazette Notification for minimum wages issued by the State Government) on base date.} \]

\[ \text{or} \quad \text{The revised Labour Rate of minimum rated worker applicable as per Tripartite agreement covering the payment of the Contractor's workers within the plant premises on actual date of erection or schedule date of erection, whichever is earlier.} \]

\[ \text{or} \quad \text{The original Labour Rate of minimum rated worker as applicable on the Base Date as per Tripartite agreement covering the payment of the Contractor's workers within the plant premises.} \]

The Price Adjustment towards the labour component shall be payable for the quantities on pro-rata basis as per the agreed Bar Chart or actual quantity executed, which ever is less.

\[ \text{RBIi(steel)} = \text{Wholesale price Index for steel as per RBI Bulletin prevailing three months prior to actual month of despatch or three months prior to end scheduled completion month of delivery, whichever is earlier.} \]

\[ \text{RBIo(steel)} = \text{Wholesale price Index for steel as per RBI Bulletin prevailing on Base Date.} \]

2.9 **For Erection of Refractories**

Unless otherwise specified, the Price for Erection of Refractories shall be subject to adjustment as per the following formula:

\[ P = Po \left[ 0.50 + 0.50 \frac{\text{LTR}}{	ext{LTO}} \right] \]

Where:

\[ P = \text{Revised price after adjustment.} \]
Po = Original Price for Refractories as on Base Date.

LTR = Minimum wage payable to the minimum rated unskilled worker within the Plant premises (as per the Gazette Notification for minimum wages issued by the State Government) on actual date of erection or scheduled date of erection, whichever is earlier.

or The revised Labour Rate of minimum rated worker applicable as per Tripartite agreement covering the payment of the Contractor’s workers within the plant premises on actual date of erection or schedule date of erection, which ever is earlier.

LTO = Minimum wage payable to the minimum rated unskilled worker within the Plant premises (as per the Gazette Notification for minimum wages issued by the State Government) on the base date.

or The original Labour Rate of minimum rated worker as applicable on the Base Date as per Tripartite agreement covering the payment of the Contractor’s workers within the plant premises.

The Price Adjustment towards the labour component shall be payable for the quantities on pro-rata basis as per the agreed bar chart or actual quantity executed, whichever is less.

***
PERFORMANCE GUARANTEES

1.0 This Appendix sets out

(a) the performance guarantees referred to in Clause 27 of GCC (Performance Guarantee Tests).

(b) the preconditions to the validity of the performance guarantees, either in production and/or consumption, set forth below.

(c) the minimum level of the performance guarantees.

(d) the procedure for conducting the performance guarantee tests, recording of measurements / results and calculation for deriving the test results.

(e) formula for calculation of liquidated damages for failure to attain the performance guarantees.

2. **Preconditions**

The Contractor gives the performance guarantees (specified herein) for the Facilities, subject to the following preconditions being fully satisfied:

[List any conditions (if any) for the carrying out of the Guarantee Test referred to in Clause 27 of GCC.]

3. **Performance Guarantee Parameters**

Subject to compliance with the foregoing preconditions, the Contractor guarantees as follows:

3.1 **Guaranteed Production Capacity**

[List here the production capacity that the Contractor is to guarantee, making sure to use, as performance guarantees, the figures offered by the Contractor in its bid.] and / or

3.2 **Guaranteed Maximum Consumption of Raw Materials and Utilities**

[List here the guaranteed items of consumption per unit of production (e.g., kg, tons, kcal, kWh, etc.) that the Contractor is to guarantee, making sure to use, as performance guarantees, the figures offered by the Contractor in its bid.]

4. **Failure in Guarantees and Liquidated Damages**

4.1 **Failure to Attain Guaranteed Production Capacity**
If the production capacity of the facilities attained in the performance guarantee test, pursuant to Clause 27 of GCC, is less than the guaranteed figure specified in para. 3.1 above, but the actual production capacity attained in the performance guarantee test is not less than the minimum level of performance guarantee parameters specified in para. 4.3 below, and the Contractor elects to pay liquidated damages to the Employer in lieu of making changes, modifications and / or additions to the facilities, pursuant to Sub-Clause 27.4 & Sub-Clause 27.4.1 of GCC, then the Contractor shall pay liquidated damages at the rate of \( \text{[amount in the Contract currency]} \) for every complete one percent (1%) of the deficiency in the production capacity of the facilities, or at a proportionately reduced rate for any deficiency, or part thereof, of less than a complete one percent (1%), as the case it may be.

4.2 Raw Materials and Utilities Consumption in Excess of Guaranteed Level

[To be specified in the appropriate wording for the type of facilities if there are consumption guarantees].

If the actual measured figure of specified raw materials and utilities consumed per unit (or their average total cost of consumption) exceeds the guaranteed figure specified in para. 3.2 above (or their specified average total cost of consumption), but the actual consumption attained in the guarantee test, pursuant to Clause 27 of GCC, is not more than the maximum level specified in para. 4.3 below, and the Contractor elects to pay liquidated damages to the Employer in lieu of making changes, modifications and/or additions to the facilities pursuant to Sub-Clause 27.2 & 27.3 of GCC, then the Contractor shall pay liquidated damages at the rate of \( \text{[amount in the Contract currency]} \) for every complete one percent (1%) of the excess consumption of the facilities, or part thereof, of less than a complete one percent (1%), as the case it may be.

[The rate of liquidated damages specified in paras. 4.1 and 4.2 above shall be at least equivalent to the rate specified in the Biding Documents, for the comparison of performance guarantees provided by the Bidders.]

4.3 Minimum Levels of Performance Guarantee Parameters and Maximum Level of Consumption of Raw Materials and Utilities

Notwithstanding the provisions of this paragraph, if as a result of the performance guarantee test(s), the following minimum levels of performance guarantee parameters are not attained by the Contractor and consumption of raw materials and utilities exceeds the guaranteed maximum level of consumption of raw materials & utilities mentioned here under, within a period of six months from the date of commissioning, pursuant to Sub-Clause 27.4 of GCC, the Employer shall have the right to reject the Facilities and recover the entire cost paid to the Contractor or alternatively the Employer may proceed for commercial settlement with the Contractor for acceptance of the Facilities at the negotiated price:

(a) production capacity of the facilities attained in the guarantee test :
   - Ninety-five percent (95%) of the Guaranteed Production Capacity [or as acceptable to the Employer and confirmed by the Contractor].

and / or

(b) maximum level of consumption of all the raw materials and utilities of the facilities :
• One hundred and five percent (105%) of the guaranteed consumption figures of the raw materials & utilities that the Contractor guaranteed to use to achieve the Guaranteed Production Capacity figures [or as acceptable to the Employer and confirmed by the Contractor.]

4.4 Limitation of Liability

4.4.1 The Contractor’s aggregate liability to pay liquidated damages for failure to attain the performance guarantees parameters above the minimum levels of performance guarantee parameters specified in Sub-Clause 4.3 hereof, shall not exceed seven and half percent (7.5%) of the Contract Price plus escalations, if any, excluding taxes and duties [the percentage specified shall not exceed ten percent (10%)].

4.4.2 However, in case the Contractor expresses its inability to achieve a minimum level of performance guarantee parameters and reduce consumption of raw materials and Utilities below the maximum level of guaranteed maximum level of consumption of raw materials and Utilities, within a specified period of six months from the date of commissioning, the Employer shall not reject the plant and equipment after commissioning and achievement of minimum Performance Guarantee parameters. After successful commissioning and achievement of minimum Performance Guarantee parameters, the total liability of the Contractor on account of delay and demonstration of maximum PG parameters will not be more than LD.

4.4.3 In case, even after all possible repairs and replacements the Facilities fail to attain the minimum level of performance guarantee parameters, the Employer may reject the Facility and recover the entire cost paid to the Contractor or alternatively the Employer may proceed for commercial settlement with the Contractor for acceptance of the Facilities at the negotiated Price.
LIST OF APPROVED SUB-CONTRACTORS / VENDORS

1.0 The following Sub-Contractors / Vendors are approved for carrying out the item of the Facilities indicated against each of them. Where more than one Sub-Contractor / Vendor is listed, the Contractor is free to choose between them, but it must notify the Employer of its choice well in advance time prior to appointing any selected Sub-Contractor / Vendor. In accordance with the Sub-Clause 19.1 of GCC, the Contractor is free to submit proposals for Sub-Contractors / Vendor for additional items from time to time. No Sub-Contractors / Vendors shall be placed with any such Sub-Contractors / Vendors for additional items until the Sub-Contractors / Vendors have been approved in writing by the Employer and their name have been added to this list of approved Sub-Contractors / Vendors.

(List of Approved vendors shall be issued / displayed in website separately)
SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract [SCC] shall supplement the General Conditions of Contract [GCC]. Whenever there is a conflict, the provisions herein shall prevail over those in the GCC. The corresponding clause number of the GCC is indicated in parentheses.

1. Definitions [GCC Clause 1]

1.1 Employer

Steel Authority of India Limited
Bhilai Steel Plant
Bhilai-490001
[Name and address]
Telephone No. 0788-2892711,2221197
Cable ___________________
Facsimile No. 0788-2221170/2222890/2223491

1.2 Engineer

Name: ___________________________
Address: ___________________________
_________________________
[Name and address]
Telephone No. _______________
Cable ________________________
Facsimile No. _______________

1.3 Contractor

M/s. ___________________________
_________________________
[Name and address]
Telephone No. _______________
Cable ________________________
Facsimile No. _______________

1.4 Consultant

M/s. ___________________________
_________________________
[Name and address]
Telephone No. _______________
Cable ________________________
Facsimile No. _______________
2. Notices [GCC Clause 4]

2.1 Employer’s Address for Notice purposes [Reference GCC Sub-Clause 4.1]

Steel Authority of India Limited
Bhilai Steel Plant
Bhilai-490001
[Name and address]
Telephone No 0788-2892711, 2221197
Cable
Facsimile No. 0788-2221170/2222890/2223491

2.2 Contractor’s Address for Notice purposes [Reference GCC Sub-Clause 4.1]

M/s. ____________________
________________________________
[Name and address]
Telephone No. ____________
Cable ___________________
Facsimile No. _____________

3.0 Transportation by Wagons [Reference GCC Clause 21.4.3]

The destination for consignments to be despatched by wagons by the Contractor shall be as under:

BSP Railway Sidings, SCE Railway, Bhilai (Name of the Railway Station where site is situated).

4.0 Initial Fill and Lubricants [Reference GCC Sub-Clause 7.4.4]

The Contractor shall supply the oils, grease, and lubricants along with the Plant & Equipment, required for the initial fill including flushing liquor and also chemicals for pickling, etc., well in advance for commissioning of the Plant & Equipment. The quality & quantity of oils, grease, lubricants, chemicals, etc., shall be as per Annexure A-1 & A-2.

5.0 Special Tools & Tackles [Reference GCC Sub-Clause 7.4.5]

The Contractor shall supply the special tools & tackles along with the Plant & Equipment, required well in advance for erection, commissioning, operation & maintenance of the Facilities. The list of special tools & tackles shall be as per Annexure B-1 & B-2.

6.0 The Contractor shall arrange for training in India and abroad of the Employers personnel for operation, maintenance and other services of the Facilities under the Contractor’s scope of work. The Contractor shall furnish the details of the training to
be provided to the Employers personnel for the approval of the Employer. Employer may indicate the field of training and man-days, to the Contractor for compliance.

7.0 **Firm Contract Price** [Reference GCC Sub-Clause 11.3.3]

Price adjustment due to variation in price indices as stipulated in the Appendix-4, shall not be applicable when the “Time for Completion” of the Contract does not exceed twelve (12) months.

8.0 Some imported equipment/components under this contract included in the scope of Foreign Contractor (for which prices are quoted in Foreign Currency) as listed in Annexure hereto may be required by other Indian Consortium Member for further processing/assembly. The Indian Contractor (Consortium member) shall clear such equipment/components from Indian port and shall arrange to despatch them to other Consortium Member after giving a Custody-cum Indemnity Bond for the landed cost of such imported equipment/components to indemnify the Employer. These equipment/components shall be considered as free supply by Employer. The Consortium member receiving the equipment/components for further processing/assembly, shall avail CENVAT benefit on account of Countervailing Duty on such imported equipment/component and shall include the cost of such imported equipment/components in assessable value for payment of Excise Duty and provide necessary documents so as to enable Employer to avail CENVAT benefit on total assembly including the imported equipment/components. Excise Duty shall be reimbursed on actual against documentary evidence to be produced by the Contractor, subject to a ceiling indicated in Price Schedule given in Appendix -1. All taxes and duties shall be included in the Contract Price quoted. Employer shall have no additional liability whatsoever including taxes and duties and minimum Cenvat commitments.

Some equipment/components under this contract included in the scope of Indian Contractor (for which prices are quoted in Indian Rupees) as listed in Annexure hereto may be required by other Indian Consortium Member for further processing/assembly. These equipment/components shall be directly despatched by the concerned Contractor to the other Consortium Member. The Consortium Member receiving the equipment/components for further processing/assembly, shall avail CENVAT benefit on account of Excise Duty on such equipment/components and shall include the cost of such equipment/components in assessable value for payment of Excise Duty and provide necessary documents so as to enable Employer to avail CENVAT benefit on total assembly including the said equipment/components. Excise Duty shall be reimbursed on actual against documentary evidence to be produced by the Contractor, subject to a ceiling indicated in Price schedule given in Appendix-1. All taxes and duties shall be included in the Contract Price quoted. Employer shall have no additional liability whatsoever including taxes and duties and minimum CENVAT t commitments. Payment shall be released to the Contractors only after receipt of material at Employer’s site.

9.0 Any item/ part of the existing equipment required to be taken out of plant premises for job work shall be issued to the Contractor on submission of Bank Guarantee for equal value of the item/ part. The value of the item of the part shall be indicated by
employer. The Bank Guarantee shall be issued and payable at Bhilai and shall be kept initially valid for a suitable period to be mutually agreed.

After job work, the items/ parts shall be returned immediately but not later than 180 days from the date of removal. The scrap if any, generated during job work shall be the property of the contractor. The Contractor shall be required to submit the documentary evidence in support of payment of excise duty on the scrap generated, if any, during job work. The relevant portion of Excise Rule 4(5)(a) shall be applicable.

10.0 Progress Review Meeting

Employer shall arrange progress review meeting periodically (not exceeding 3 months) to monitor the progress of the work. It will be mandatory on the part of the Leader of the Consortium to attend such meetings with their Consortium Members.

11.0 The Contractor shall use permanent pipe and clamps scaffolding for working at heights.

12.0 Use of Fly Ash Bricks in masonry work is mandatory.

13.0 After finalisation of Billing schedule, the equipment/ items to be inspected shall be identified jointly by Shop, Project and Consultant. Inspection of all such items shall be carried out at manufacturers’ sites as per approved QAP. For rest of the equipment / items, despatch clearance shall be issued by the “Engineer” after receipt of test guarantee certificates/internal inspection report from the contractor or its sub contractors / manufacturer.

Inspection certificates/despatch clearance so issued shall form the part of valid documents for claiming progress payments by the contractor.

****
QUALITY AND QUANTITY OF IMPORTED OILS, GREASE, LUBRICANTS, CHEMICALS, ETC.

(Quality and quantity of oils, grease, lubricants, chemicals, etc. required for the Facilities, shall be indicated hereunder by the Contractor)

I. Quality / Specification

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<tr>
<th>S. No.</th>
<th>Description of Imported Oils, Grease, Lubricants, Chemicals, etc.</th>
<th>Quality / Specification</th>
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QUALITY AND QUANTITY OF INDIGENOUS OILS, GREASE, LUBRICANTS, CHEMICALS, ETC.

(Quality and quantity of indigenous oils, grease, lubricants, chemicals, etc., required for the Facilities, shall be indicated hereunder by the Contractor)

I. Quality / Specification

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<th>S. No.</th>
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LIST OF SPECIAL IMPORTED TOOLS AND TACKLES

(List of imported Special Tools and Tackles required for the Facilities, shall be indicated hereunder by the Contractor)

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</table>
# INDEX

## GENERAL CONDITIONS OF CONTRACT

### A. Contract and Interpretation
- **Definitions** ........................................... 99
- **Contract Documents** ................................. 101
- **Interpretation** ......................................... 102
- **Notices** ................................................ 103
- **Governing Law** ....................................... 104
- **Settlement of Disputes** ............................. 104

### B. Subject Matter of Contract
- **Scope of Facilities** ................................... 105
- **Time for Completion** ............................... 112
- **Contractor’s Responsibilities** ................. 112
- **Employer’s Responsibilities** ................. 112

### C. Payment
- **Contract Price** ....................................... 113
- **Terms of Payment** ................................... 118
- **Securities** ........................................... 119
- **Taxes and Duties** .................................... 120

### D. Confidential Information
- **Copyright** ............................................ 126
- **Confidential Information** ....................... 126

### E. Work Execution
- **Representatives** ..................................... 127
- **Work Program** ...................................... 128
- **Subcontracting** ...................................... 131
- **Design and Engineering** ....................... 131
- **Procurement** ....................................... 136
- **Installation** .......................................... 142
- **Test and Inspection** ............................... 151
<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>24.</td>
<td>Preliminary Acceptance</td>
<td>152</td>
</tr>
<tr>
<td>25.</td>
<td>Commissioning</td>
<td>154</td>
</tr>
<tr>
<td>26.</td>
<td>Taking Over</td>
<td>154</td>
</tr>
</tbody>
</table>

|27.| Performance Guarantee Test                                                 | 155  |
|28.| Final Acceptance                                                           | 156  |

|F.| Guarantees and Liabilities                                                 | 156  |
|29.| Completion Time Guarantee                                                 | 156  |
|30.| Defect Liability                                                           | 158  |
|31.| Patent Indemnity                                                          | 159  |
|32.| Limitation of Liability                                                   | 160  |

|G.| Risk Distribution                                                          | 161  |
|33.| Transfer of Ownership                                                      | 161  |
|34.| Care of Facilities                                                         | 161  |
|35.| Loss of or Damage to Property; Accident or Injury to Workers; Indemnification | 162  |
|36.| Insurance                                                                 | 163  |
|37.| Negligence                                                                | 165  |
|38.| Change in Laws and Regulations                                             | 166  |
|39.| Force Majeure                                                             | 166  |
|40.| War Risks                                                                 | 167  |

|H.| Change in Contract Element                                                 | 168  |
|41.| Change in the Facilities                                                   | 168  |
|42.| Extension of Time for Completion                                           | 169  |
|43.| Suspension                                                                | 170  |
|44.| Termination                                                               | 170  |
|45.| Assignment                                                                | 173  |
|46.| Surplus Materials                                                         | 173  |
GENERAL CONDITIONS OF CONTRACT

A. CONTRACT & INTERPRETATION

1. Definitions

1.1 The following words and expressions shall have the meanings hereby assigned to them:

“Contract” means the Contract Agreement entered into between the Employer and the Contractor, together with the Contract Documents referred to therein; they shall constitute the Contract, and the term “the Contract” shall in all such documents be construed accordingly.


“GCC” means the General Conditions of Contract hereof.

“SCC” means the Special Conditions of Contract.

“Contract Technical Specifications” mean the technical specifications, schedules, detailed designs, statements of technical data, performance characteristics value and all other particulars of the Contract.

“GTS” means the General Technical Specifications.

“Day” means calendar day of the Gregorian Calendar.

“Month” means calendar month of the Gregorian Calendar.

“Employer” means Steel Authority of India Limited (SAIL), BHILAI Steel Plant and includes the legal successors or permitted assigns of the Employer.

“Engineer” means the person appointed by the Employer in the manner provided in Sub-Clause 17.1 (Engineer) hereof and to perform the duties delegated by the Employer.

“Consultant” means the person(s) named as such in the Clause 1.4 of SCC to perform the duties delegated by the Employer as specified in the Article 6 of the Contract Agreement.

“Contractor” means the person(s) whose bid to perform the Contract has been accepted by the Employer and is named as such in the Contract Agreement, and includes the legal successors or permitted assigns of the Contractor. In case Contract is with Consortium of two or more members then the Contractor shall mean one or more members of Consortium as the case may be.
“Contractor’s Representative” means any person nominated by the Contractor and approved by the Employer in the manner provided in Sub-Clause 17.2 (Contractor’s Representative) hereof to perform the duties delegated by the Contractor. For site work Contractor’s Representative shall also mean the representative of Sub-Contractors and Sub-Contractor’s Sub-Contractors.

“Sub-Contractor”, including vendors, means any person to whom execution of any part of the Facilities, including preparation of any design or supply of any Plant and Equipment, is sub-Contracted directly or indirectly by the Contractor, and includes its legal successors or permitted assigns.

“Contract Price” means the sum specified in Article 2.1 (Contract Price) of the Contract Agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.

“Base Date” means the date given in Sub-Clause 2.1 of Appendix-4 which shall be considered in price variation formulae as given in Sub-Clause 2.3 to 2.9 of Appendix-4 of Contract Agreement.

“Facilities” mean the work specified in Clause 7 hereof, Contract Technical Specification, including General Technical Specification Clause 1.1 of Appendix 1 and include but not limited to the design & engineering work, civil engineering work, supply of the steel structures, plant and equipment, refractories & commissioning spares and installation services to be carried out by the Contractor under the Contract within the Battery limits specified in the Contract Technical Specification.

“Plant and Equipment” means permanent plant, equipment, machinery and things of all kinds to be provided and incorporated in the Facilities by the Contractor under the Contract but does not include Contractor’s Equipment.

“Installation Services” means all those services ancillary to the supply of the Plant and Equipment for the Facilities, to be provided by the Contractor under the Contract; e.g., design & engineering, supervision work, Customs & Port clearance, loading & unloading, dismantling & modification, intermediate storage, transportation and provision of marine or other similar insurance, inspection, expediting, site preparation works (including the provision and use of Contractor’s Equipment and the supply of all construction materials required), installation, testing, pre-commissioning, commissioning, demonstration of performance guarantee tests, the provision of operations and maintenance manuals, training, etc.
“Contractor’s Equipment” means all plant, equipment, machinery, tools, apparatus, appliances or things of every kind required in or for installation completion and maintenance of Facilities that are to be provided by the Contractor, but does not include Plant & Equipment, or other things intended to form or forming part of the Facilities.

“Site” means the land and other places upon which the Facilities are to be installed, and such other land or places as may be specified in the Contract as forming part of the Site.

“Effective Date of Contract” is the date of signing the Contract.

The Letter of Credit (LC) shall be opened within 15 days of receipt of Performance BG from the Contractor. In case, there is delay in opening of LC by the Employer then effective date shall be extended accordingly.

However, in case, there is delay in submission of Performance BG by the Contractor then the effective date of contract shall remain as the date of signing of contract, provided LC has been opened within 15 days of submission of Performance BG by the Contractor.

“Time for Completion” means the time specified in Article 5.1 of the Contract Agreement within which Completion of the Facilities as a whole (or of a part of the Facilities where a separate Time for Completion of such part has been prescribed) is to be attained in accordance with the stipulations made in the Contract Agreement and the relevant provisions of the Contract.

”Inspector” / “Inspecting Engineer” shall mean any person or firm nominated by or on behalf of the Employer or his duly authorised agent to inspect equipment, materials, supplies or work under the Contract.

“Pre-commissioning” means the checking, testing including conducting of integrated trial runs (cold integrated trial runs in case of Facilities involving operation at high temperature) and meeting other requirements specified in the Contract Technical Specifications that are to be carried out by the Contractor in preparation for Commissioning as provided in Clause 24 (Preliminary Acceptance) hereof.
“Preliminary Acceptance” of the Facilities means that the Facilities have been completed operationally and structurally and put in a tight and clean condition, and that all work in respect of Pre-commissioning of the Facilities have been completed; in other words, that the Facilities are fit for Start-up & Commissioning and Preliminary Acceptance Certificate has been issued as provided in Clause 24 (Preliminary Acceptance) hereof.

“Preliminary Acceptance Certificate” means the Certificate to be issued by the Employer on successful completion of Preliminary Acceptance Tests.

“Commissioning” means operation of the Facilities by the Contractor to a level of output not less than 66% of the Guaranteed Production Capacity as provided in Clause 25 (Commissioning) hereof.

“Commissioning Certificate” is the Certificate to be issued by the Employer as per Sub-Clause 25.3 hereof.

“Completion of the Facilities” means the Facilities have been commissioned as per Clause 25 (Commissioning). The Facilities will be considered completed in all respects and accepted when performance guarantee parameters are established as per Clause 27 (Performance Guarantee Test) and Final Acceptance Certificate has been issued as per Clause 28 hereof.

“Taking Over” means the Employer, after issue of the Commissioning Certificate, shall be responsible for the care & custody of the Facilities together with the risk of loss or damage thereto, and shall thereafter take-over the Facilities.

“Performance Guarantee Test” means the test(s) specified in the Contract Technical Specifications to be carried out to ascertain whether the Facilities are able to attain the Performance Guarantees specified in the Contract Technical Specifications in accordance with the provisions of Clause 27 (Performance Guarantee Test) hereof.

“Performance Guarantee Certificate” means the Certificate to be issued by the Employer upon successful establishment of Performance Guarantees Parameter as specified in Appendix-5.

“Final Acceptance” means the acceptance by the Employer of the Facilities which certifies the Contractor’s fulfilment of the Contract in respect of Performance Guarantees of the Facilities in accordance with the provisions of Clause 27 (Performance Guarantees Test) hereof.
“Final Acceptance Certificate” is the Certificate to be issued by the Employer as per Clause 28 hereof.

“Defect Liability Period” means the period of validity of the warranties given by the Contractor commencing from the date of Commissioning of the Facilities, during which the Contractor is responsible for defects with respect to the Facilities as provided in Clause 30 (Defect Liability) hereof.

‘Base date’ defined as a date, 7 days prior to last date of submission of final sealed Price Bid.

2. Contract Documents

2.1 Subject to Article 1.3 (Order of Precedence) of the Contract Agreement, all documents forming part of the Contract (and parts thereof) are intended to be correlative, complementary and mutually explanatory. The Contract shall be read as a whole.

2.2 The Contractor shall be required to provide 30 (thirty) copies of signed Contract Agreement for Employer’s use within thirty (30) days of the date of signing of the Contract.

3. Interpretation

3.1 Language

3.1.1 All correspondence and communications to be given, and all other documentation to be prepared and supplied under the Contract shall be written in English, and the Contract shall be construed and interpreted in accordance with English language.

3.2 Singular and Plural

The singular shall include the plural and the plural the singular, except where the context otherwise requires.

3.3 Headings

The headings and marginal notes in the General Conditions of Contract are included for ease of reference, and shall neither constitute a part of the Contract nor affect its interpretation.

3.4 Persons

Words importing persons or parties shall include firms, Corporations, Companies, Joint Ventures, Consortiums and Government entities.

3.5 Incoterm
Unless inconsistent with any provision of the Contract, the meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by *Incoterms 2000 with amendments if any*.

*Incoterms* means international rules for interpreting trade terms published by the International Chamber of Commerce (latest edition), 38 Course Albert 1er, 75008 Paris, France.

### 3.6 Entire Agreement

The Contract constitutes the entire agreement between the Employer and Contractor with respect to the subject matter of Contract and supersedes all communications, negotiations and agreements (whether written or oral) of parties with respect thereto made prior to the date of Contract.

### 3.7 Amendment

No amendment or other variation of the Contract shall be effective unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorised representative of each party hereto.

### 3.8 Contractor

#### 3.8.1

The Contractor shall be an independent Entity performing the Contract. The Contract does not create any agency, partnership, joint venture or other joint relationship between the parties hereto.

#### 3.8.2

Subject to the provisions of the Contract, the Contractor shall be solely responsible for the manner in which the Contract is performed.

#### 3.8.3

All employees, representatives or Sub-Contractors engaged by the Contractor in connection with the performance of the Contract shall be under the complete control of the Contractor and shall not be deemed to be employees of the Employer, and nothing contained in the Contract or in any Sub-Contract awarded by the Contractor shall be construed to create any Contractual relationship between any such employees, representatives or Sub-Contractors and the Employer.

### 3.9 Consortium

#### 3.9.1

If the Contractor is a consortium of two or more parties, all such parties shall be jointly and severally bound to the Employer for the fulfilment of the obligations of the Contractor as per provisions of the Contract and shall designate one of such party to act as a leader with authority to bind the consortium. The composition or the constitution of the consortium shall not be altered without the prior consent of the Employer in writing.
The consortium leader shall remain responsible not only for its scope of work but also for the scope of work of other consortium members so that Employer gets the facilities completed in all respects.

3.9.2 All employees, representatives or Sub-Contractors engaged by the Consortium in connection with the performance of the Contract shall be under the complete control of the Contractor and shall not be deemed to be employees of the Employer, and nothing contained in the Contract or in any Sub-Contract awarded by the Contractor shall be construed to create any Contractual relationship between any such employees, representatives or Sub-Contractors and the Employer.

3.9.3 In case of Consortium, the notarised agreement (MOA) between Leader of Consortium and all other Consortium members shall be furnished before signing of the Contract between Employer and all Consortium members.

3.10 **Waiver**

3.10.1 Subject to **Sub-Clause 3.10.2** below, no relaxation, forbearance, delay or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect or restrict the rights of that party under the Contract, nor shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.

3.10.2 Any waiver of a party’s rights, powers or remedies under the Contract must be in writing, must be dated and signed by an authorised representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

3.11 **Severability**

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

4. **Notices**

4.1 Unless otherwise stated in the Contract, all notices to be given under the Contract shall be in writing, and shall be sent by personal delivery, post / airmail post, special courier, cable, telegraph, telefax, facsimile to the address of the relevant party set out in the Special Conditions of Contract, with the following provisions.
4.1.1 Any notice sent by cable, telegraph, telefax, facsimile shall be confirmed within two (2) days after dispatch by notice sent by airmail post or special courier, except as otherwise specified in the Contract.

4.1.2 Any notice sent by airmail post or special courier shall be deemed (in the absence of evidence of earlier receipt) to have been delivered ten (10) days after dispatch. In proving the fact of dispatch, it shall be sufficient to show that the envelope containing such notice was properly addressed, stamped and conveyed to the postal authorities or courier service for transmission by airmail or special courier.

4.1.3 Any notice delivered personally or sent by cable, telegraph, telex, facsimile shall be deemed to have been delivered on date of its dispatch.

4.1.4 Either party may change its postal, cable, telefax, facsimile address or addressee for receipt of such notices by ten (10) days’ notice to the other party in writing.

4.2 Notices shall be deemed to include any approvals, consents, instructions, orders and certificates to be given under the Contract.

5. Governing Law

5.1 The Contract including the Arbitration proceedings shall be governed by and interpreted in accordance with laws of India.

6. Settlement of Disputes

Conciliation and Arbitration

Any disputes, differences, whatsoever, arising between the parties out of or relating to the construction, meaning, scope, operation or effect of this Contract shall be settled between the Employer and the Contractor amicably. If however, the Employer and the Contractor are not able to resolve their disputes / differences amicably as aforesaid the said disputes / differences shall be settled by Conciliation, failing which, through Arbitration.

Conciliation shall be resorted to prior to invoking Arbitration. The applicable rules for Conciliation proceedings shall be that of “SCOPE forum of Conciliation and Arbitration” (SCFA). The Arbitration Clause is to be invoked by the parties to the Contract only on failure of conciliation proceedings to amicably settle the disputes.

The arbitration shall be governed in accordance with The Arbitration and Conciliation Act 1996 (hereinafter referred to as the “Act”) of India. The language of Arbitration shall be English.
Subject to the stipulations made hereinabove, Arbitration shall be conducted as per forum specified below:

All Contracts, whose value is Indian Rs.5 Crores (for both Indian and Foreign Contractors) and below, shall go for Adhoc Arbitration, where an impartial Arbitrator would be appointed by the Managing Director of Bhilai Steel Plant, and the arbitration proceedings shall be governed by the Arbitration and Conciliation Act of 1996 of India. The venue shall be Bhilai, India.

Arbitration of contracts, with Indian parties, where contract value is more than Indian Rs. 5 Crores and the contracts with foreign parties for value of more than Indian Rs. 5 Crores and up to Indian Rs. 20 Crores shall be governed by the Rules of Indian Council of Arbitration (ICA)/ “SCOPE Forum of Conciliation and Arbitration” (SCFA) as agreed by the party. The venue shall be New Delhi.

Arbitration with foreign contractor or in Consortium contracts (including foreign contractor), where the contract value is more than Indian Rs. 20 crores shall be governed by the Rules of Arbitration of International Chamber of Commerce (ICC), Paris. The venue of the arbitral proceedings shall be New Delhi.

During the pendency of the Conciliation or Arbitration proceedings both the parties (i.e. the Contractor and the Employer) shall continue to perform their contractual obligations.

B. SUBJECT MATTER OF CONTRACT

Scope of Supplies and Services

Unless otherwise expressly limited in the Contract Technical Specifications, the Contractor’s obligation cover design & engineering; civil engineering work; dismantling, if any, of existing building, structures & equipment; modification / diversion, if any, of utility / services; fabrication & supply of steel structures; manufacture (including associated purchases and / or sub-contracting) & supply of plant & equipment and refractories; Customs & Port clearances (excluding Customs Duty of items for which prices are quoted in Foreign currency); inland transportation; intermediate storage; insurance & handling; erection work; testing; pre-commissioning; start-up & commissioning and demonstration & establishment of performance guarantee parameters of the Facilities as detailed hereafter, in accordance with the plans, specifications, drawings, codes and any other documents as specified in the Contract.
Technical Specifications.

7.1.2 The Contractor shall, unless specifically excluded in the Contract, perform all such work and / or supply all such items and materials not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Completion of the Facilities (within the Battery limits as defined in the Contract Technical Specification) as if such work and / or items and materials were expressly mentioned in the Contract without any extra cost to Employer.

7.1.3 The Contractor shall furnish the items with its specifications & prices of spare parts required for the operation and maintenance of the Facilities for the period of two years. However, the prices of such operation & maintenance spares shall be valid for a period upto three (3) months prior to scheduled Time for Completion.

7.2 Design, Drawings & Technical Documents

7.2.1 The Contractor shall be responsible for supply of all the design, drawings and technical documents & information in respect of the plant & equipment & commissioning spares. The Contractor shall deliver the design, drawing, technical documents & information, to the Employer.

7.3 Dismantling & Demolition of Existing Building, Structures, Plant & Equipment

The Contractor shall be responsible for carrying out dismantling / demolition of necessary existing buildings and structures including foundations, covered works and plant & equipment and stacking and expeditious removal of the debris to the dumping ground to be specified by the Employer.

7.4 Supply of Plant & Equipment, Commissioning Spares, Operation & Maintenance Spares, Initial Fills & Lubricants and Special Tools & Tackles

7.4.1 Plant and Equipment

The scope of plant & equipment is described in the Contract Technical Specifications including General Technical Specification and Drawings/documents.

7.4.1.1 The Contractor shall furnish a copy of the unpriced Orders / Contracts for all the boughtout items.

7.4.2 Commissioning Spares
7.4.2.1 The Contractor shall, within the Contract Price, supply adequate commissioning spares required during Start up and commissioning along with the plant & equipment mentioned in Clause 7.4.1, hereof. The supply of commissioning spares shall not be limited to the items & quantities included in Table 7 & 8 of Appendix-1.

7.4.2.2 Should the commissioning spares as specified under the Contract found to be inadequate, the Contractor shall supply without any extra cost to the Employer, additional required commissioning spares within the time schedule to ensure that the Facilities are commissioned. The un-used commissioning spares shall be the property of the Employer.

7.4.3 Operation and Maintenance Spares

7.4.3.1 The Contractor, shall furnish list of spares required for the normal operation and maintenance of the Facilities, for a period of two years which will be required after commissioning.

7.4.3.2 A list of such operation & maintenance spares along with their itemised prices shall be furnished by the Contractor. The itemised prices of such spares shall be kept valid for a period upto three (3) months prior to scheduled Time for Completion. The Employer shall have the option of ordering these spares separately as well as additional spares at the same unit price within the period upto three (3) months prior to scheduled Time for Completion.

7.4.3.3 The list of spares along with itemised price shall include such details as:
   a) Item number of equipment in Contract.
   b) Designation.
   c) Number per item.
   d) Materials indicating chemical composition and physical properties like fits and tolerances, finishes, heat treatment, etc.
   e) Manufacturing drawing number/ordering specification number.
   f) Catalogue reference.

7.4.3.4 The Contractor shall supply complete ordering specification including manufacturing drawings with bill of materials, material specification & catalogues with reference details and list of suppliers shall also form part of such ordering specification.
7.4.3.5 The Contractor shall undertake to supply operation & maintenance spares at reasonable price at any time later during the life of the Facilities on request from the Employer. In case during the life of the Facilities, any spare(s) becomes obsolete or goes out of Contractor's production programme, the Contractor shall serve prior written notice of not less than six months to the Employer to that effect and furnish detailed manufacturing drawings to the Employer for such spares, if not already furnished. Contractor shall also ensure that the Employer is in a position to procure such spares in sufficient quantities at reasonable prices before these become obsolete or go out of production programme as stated above.

7.4.3.6 Should it be found any time prior to Final Acceptance that the list of operation & maintenance spares as furnished by the Contractor does not include any spares which are normally required for operation and maintenance of the Facilities, then the Contractor shall supply such spares promptly and without any extra cost to the Employer.

7.4.4 Initial Fill and Lubricants

7.4.4.1 The Contractor shall supply along with the Plant & Equipment the oils, grease & lubricants required for the initial fill including flushing liquor and also chemicals for pickling, etc., well in advance, for commissioning of the Plant & Equipment.

7.4.4.2 The cost of such initial fill of oils including hydraulic oils, grease and other lubricants is included in the Contract Price. Should the oil, grease & lubricants found to be inadequate, the Contractor shall supply without any extra cost to the Employer, additional required oil, grease & lubricants, within the time schedule to ensure commissioning is not held-up. The un-used oil, grease & lubricants shall be the property of the Employer. The prices for such initial fill of oils including hydraulic oils, grease and other lubricants are mentioned in Table 3 & 4 of Appendix-1.

7.4.4.3 The Contractor shall be responsible for supply of adequate quantities of such oils, grease & lubricants as per the Clause 4.0 of SCC, as may be required for this purpose till commissioning as per Clause 25 hereof.

7.4.4.4 These oils, grease & lubricants should be preferably of Indian origin. In the case of imported oil, grease & lubricant, specification for the same shall be furnished by the Contractor for procurement in future.
7.4.4.5 The Contractor shall also furnish consumption rates of all the consumables along with estimated annual requirement and ordering specification for timely procurement by the Employer for future requirements.

7.4.5 **Special Tools & Tackles**

The Contractor shall supply along with the Plant & Equipment special tools & tackles, instruments and appliances as per detailed list as per Clause 5.0 of SCC which will be required for erection, commissioning, operation and maintenance of the Facilities. The prices for such tools & tackles are mentioned in Table 3 & 4 of Appendix-1.

The Contractor shall provide ordering specification including the names of suppliers giving sufficient details to enable the Employer to procure such special tools, tackles, instruments and appliances., at a later date when necessary, after successful commissioning.

7.5 **Civil Engineering Work**

7.5.1 Unless otherwise expressly limited and/or excluded elsewhere in the Contract from Contractor's scope, the Contractor shall be responsible for the construction of all civil foundation for structures and equipment, construction of super structures, buildings and all other connected civil construction works included in the scope of work as per Contract Technical Specifications in accordance with Sub-Clause 20.4 hereof.

7.5.2 It is presumed that the Contractor has already inspected the site and satisfied itself about the actual site conditions and has collected any other information which may be required by the Contractor. All necessary soil tests over and above those carried out by the Employer are to be undertaken by the Contractor and no extra claim on this account shall be admitted.

7.5.3 The Contractor shall be held responsible for proper performance for buildings and structures including all other civil work for a period of 12 months after commissioning of the Facilities. Any defect found during this period will be made good by the Contractor at its own cost failing which the Employer reserves the right to take remedial measures at the Contractor’s risk and cost.
7.5.4 All excavated materials shall remain the property of the Employer. In case the Contractor wishes to utilise the boulders excavated by the Contractor during the excavation work at the site, the same may be issued to the Contractor at prevailing rates on cost recovery basis. Percentage of voids on stack measurement shall be mutually agreed. Contractor shall have to account for all excavated hard rock.

7.5.4.1 “All fossils, coins, articles of value of antiquity and structure and other remains or things of geological and archaeological interest discovered on the site of works shall be the absolute property of the Employer and the Contractor shall take all precautions to prevent his workmen or any other person removing or damaging any such article or thing and shall immediately upon discovery thereof and before removal inform the Employer of such discovery and carry out the removal under the supervision of the Employer of the same and hand it over to the Employer”.

7.6 Scope of work for Erection of Structures, Plant & Equipment and Refractories

7.6.1 The scope of work of the Contractor amongst others, shall be complete erection of the Plant and Equipment, steel structures, refractories, etc., as given in the Contract Technical Specifications.

7.6.2 The Contractor shall intimate the Employer in writing well in advance about the requirement of shut down of any of the existing units / facilities for inter-connection / incorporation of additional facilities. The shutdown period shall be mutually discussed and finalised. The work to be undertaken during the shut down period shall be planned meticulously by the Contractor to reduce the shut down period to the minimum.

7.7 Technical Services

7.7.1 Technical Services to be provided by the Contractor shall include the following amongst others:

a) Raw material testing, if necessary.

b) Basic design, layout, engineering & drawings.

c) Detailed design, layout, engineering & drawings.

d) Drawings / data for carrying out Plant Engineering and detailed design/drawings of civil, structural and services.

e) Technical services relating to planning, procurement, manufacturing, inspection, expediting, packing, shipping, storage, etc.
f) Supervision of civil & structural engineering work & erection work including specialised erection services.

g) Technical consultation / liaison / guidance relating to detail design and plant engineering by Contractor's Sub-Contractors, Co-ordination relating to site work and other engineering work, feed back data and information to the Employer / Consultant for the Contractor's scope of supply and services.

h) Project Management Services including co-ordination relating to customs clearance, transportation, insurance, claim settlement, inspection of supplies, construction planning and scheduling, erection planning, field construction engineering, trial runs, start up, commissioning and performance guarantee tests.

i) Training of Employer's Personnel.

j) Deputation of Foreign Experts for supervision of design and manufacture of Plant and Equipment as well as for supervision of erection, cold tests, commissioning, guarantee tests, etc.

k) Quality control and adherence to time schedule, control of site work and other Indian works.

l) Clearance of installations from the statutory and other concerned authorities on behalf of Employer. The Contractor shall also assist in preparing application forms, providing necessary drawings, documents, test certificates etc., including necessary co-ordination with statutory and other concerned authorities.

m) Post Commissioning services in accordance with terms and conditions stipulated under the Contract, if so specified in SCC.

7.8 **Training of Employer's Personnel**

Subject to stipulations of the Contract, the Contractor shall arrange for training in India & abroad of the Employer's personnel for operation, maintenance and other services of the Plant & Equipment under the Contractor's scope of supply. The details of the training including man months shall be as per Clause 6.0 of SCC.

7.8.1 The travelling and living expenses of the Employer's trainees shall be borne by the Employer. The Employer shall also arrange necessary travel documents for its trainees. The Contractor shall, however, assist in arranging visa and medical insurance for such trainees, wherever necessary.
7.9 **Deputation of Foreign Experts for supervision of Design and Manufacture of Plant and Equipment as well as for Supervision of Erection, Commissioning & Performance Guarantee Tests.**

7.9.1 The Contractor shall depute at site its Foreign Experts from various disciplines for the supervision of erection, trial run, commissioning and performance guarantee tests of the Plant and Equipment including supervision of design & manufacture of Plant & Equipment, under its scope of supply.

7.9.1.1 The Foreign Experts shall supervise the erection, commissioning and conducting of performance guarantee tests of the Plant & Equipment with its auxiliaries as contracted herein so as to establish to the Employer that the guarantees as agreed by the Contractor in accordance with the Appendix-5, are fully met.

7.9.1.2 If the Contractor proposes to manufacture certain equipment in India based on Contractor's design, the Contractor shall ensure that the Contractor deputes adequate number of Foreign Experts (if required) to supervise the Indianisation of design & manufacture of such equipment and the number of such Foreign Experts, their duration of stay in India and places in which they will be posted, shall be adequate. Such deputation shall not absolve the Contractor from his obligations including establishment of Performance Guarantees mentioned herein.

7.9.1.3 The Contractor shall also depute Experts, if required, for proper and safe handling of cargo at the time of unloading of plant at the port of clearance and storage, conservation and reconservation.

7.9.2 Bio-data of the Foreign Engineers / Experts shall be furnished by the Contractor to the Employer / Engineer / Consultant for approval sufficiently in advance before their deputation. The Contractor shall obtain at its own cost, necessary work permits, passports, visas, police permits and expenses for customs duty related to personal and other effects of any Experts / personnel who are non-residents of India, employed or engaged by him for work.
7.9.3 The Contractor further guarantees that, in case the number of mandays for foreign Experts actually utilised exceeds the quantum indicated in Appendix-1 of the Contract, such additional Foreign Experts mandays shall be deputed by the Contractor for completing its scope of work, but no extra payment for deputing such extra mandays or additional establishment charges shall be payable by the Employer even if the delay is due to reasons not attributed to the Contractor.

7.9.4 Void

7.9.5 All the facilities required by the Overseas Experts / Specialists, deputed for supervision of erection, commissioning, performance guarantee tests, etc., shall be provided by the Contractor to the Overseas Experts / Specialists.

7.9.6 In the event, Expert is not found of required skill / expertise, then the Employer will have the right to send the Expert back at the cost of the Contractor.

7.9.7 The Contractor shall bear and pay all the cost / expenses for deputation of foreign experts required as per Contract including all costs / expenses towards remuneration, air travels from their Country to India / at site and back to their country as well as any other places to be visited in connection with the supervision of design & manufacture of Plant & Equipment, surface travel, local transport, accommodations, food & incidentals, communication system, medical, insurance, personal Indian Income Tax, etc.

7.10 Demonstration of Performance Guarantee

7.10.1 The Contractor guarantees the equipment for its workmanship, materials, design and satisfactory performance in accordance with the relevant specifications & provisions of this Contract. The guarantee for performance includes individual items and systems for the ratings / output as well as for the integrated operation of the Plant. The Contractor's responsibility under this guarantee shall not in any way be reduced, diminished or absolved for any reason whatsoever in respect of supplies, materials and equipment not manufactured by the Contractor. The Contractor, upon successful commissioning of each equipment / system will conduct performance guarantee tests to demonstrate the integrated operation of all equipment / systems.
7.10.2 The details of the performance guarantee tests, test procedures, test schedules, for the demonstration of the performance guarantees shall be submitted to the Employer which will be mutually agreed upon. Any subsequent deviation / modification in the agreed schedule, if considered necessary, at a later date shall be mutually discussed and agreed upon.

7.10.3 After commencing a test, it shall be completed unless in the opinion of either Employer or Contractor a safety hazard exists which necessitates shutdown.

7.10.4 The Contractor shall undertake to demonstrate the Performance Guarantee Tests and achieve the guaranteed production capacity in a sustained manner and also the other parameters as specified in Appendix-5.

7.11 Division of Scope of Facilities among members of Joint Venture or Consortium

7.11.1 In case, the Contractor is a Joint Venture or Consortium of two or more firms, the division of Scope of Facilities indicated at Sub-Clauses 7.2 to 7.10 hereof, shall be given by the Contractor.

8. Time for Completion

8.1 The Contractor shall attain Completion of the Facilities as defined at Clause 1 hereof within the time stated in the Article-5 of Contract Agreement or within such extended time to which the Contractor shall be entitled under Clause 42 (Extension of Time for Completion) hereof.

9. Contractor’s Responsibilities

9.1 The Contractor shall carryout Scope of Facilities as specified in Clause-7 hereof including design & engineering; civil engineering work; dismantling, if any, of existing building, structures & equipment; modification / diversion, if any, of utility / services; fabrication & supply of steel structures; manufacture (including associated purchases and / or sub-contracting) & supply of plant & equipment and refractories; Customs & Port clearances (excluding Customs Duty, and other taxes & duties as per Sub-clause 14.2 & 14.3 and Service Tax/Education Cess on items for which prices are quoted in Foreign currency); inland transportation; intermediate storage; insurance & handling; erection work; testing; pre-commissioning; start-up & commissioning and demonstration & establishment of performance guarantee parameters of the Facilities with due care and diligence in accordance with the Contract.

9.2 The Contractor shall be deemed to have entered into this Contract on the basis of a proper examination of the data relating to the Facilities (including any data as to boring tests) provided by the
Employer, and on the basis of information that the Contractor could have obtained from a visual inspection of the Site (if access thereto was available) and of other data readily available to it relating to the Facilities prior to bid submission. The Contractor acknowledges that any failure to acquaint itself with all such data and information shall not relieve its responsibility for properly estimating the difficulty or cost of successfully performing the Facilities. The Contractor shall satisfy himself regarding the accessibility to site by existing roads, feasibility of taking materials / equipment to site and availability of Labour and local conditions.

9.3 The Contractor shall at its own expenses obtain all permits and licences from Indian and Foreign Government required for the performance of work under this Contract and the Contractor shall bear any fee payable to the Government or local licensing authority for obtaining permits and licences at their own cost (except where the Employer is statutorily required as per Indian laws, rules, statutory notifications to pay the fees and/or file applications for the permits/licences in which case the Contractor shall render assistance to the Employer). The Contractor shall perform the work in accordance with the conditions of all applicable permits and licence. The Contractor shall provide evidence of licence granted and any restriction contained therein.

The necessary Statutory Fees for such permits, approvals and / or licenses payable by the Contractor, are included in the Contract Price.

9.4 The Contractor shall comply with the Indian Laws that may be in vogue as on Base Date of the Contract or may come into force during currency of the Contract, that binds upon the Contractor. The Contractor shall indemnify and hold harmless the Employer from and against any and all liabilities, damages, claims, fines, penalties and expenses of whatever nature arising or resulting from the violation of such laws by the Contractor or its personnel, including the Sub-Contractors and their personnel.

10. Employer's Responsibilities

10.1 The Employer shall ensure the accuracy of information and / or data to be supplied by the Employer, except when otherwise expressly stated in the Contract.

10.2 The Employer shall be responsible for acquiring and providing legal and physical possession of the Site and access thereto, and for providing possession of and access to all other areas reasonably required for the proper execution of the Contract, including all requisite rights of way. The Employer shall give full possession of and accord all rights of access thereto on or before the mutually agreed date(s).
10.3 If requested by the Contractor, the Employer shall use its best endeavours to assist the Contractor in obtaining in a timely and expeditious manner all permits, approvals and / or licenses necessary for the execution of the Contract from State or Central Government. Authorities as per Sub-Clause 9.3 hereof.

10.4 To the extent specified in the Contract or agreed upon by the Employer and the Contractor, the Employer shall provide to the Contractor sufficient, properly qualified operating & maintenance personnel; shall supply & make available all raw materials, & utilities, and shall perform all work and services of whatsoever nature, for properly carrying out pre-commissioning, commissioning and performance guarantee tests by the Contractor at or before the time specified in the program furnished by the Contractor under Sub-Clause 18.2 (Program of Performance) hereof and in the manner thereupon specified or as otherwise agreed upon by the Employer and the Contractor.

10.5 The Employer shall be responsible for the continued operation of the Facilities after Commissioning, in accordance with Sub-Clause 26.1 hereof, and shall facilitate the Contractor in performing the Guarantee Test(s) for the Facilities, in accordance with Sub-Clause 27.1 hereof.

10.6 All costs and expenses involved in the performance of the obligations under this Clause 10 hereof, shall be the responsibility of the Employer, save those to be incurred by the Contractor with respect to the performance of Guarantee Tests, in accordance with Sub-Clause 27.1 hereof.

C. PAYMENT

11. Contract Price

11.1 The Contract Price as specified in Article 2 (Contract Price and Terms of Payment) of the Contract Agreement shall be for the entire Scope of the Facilities including spares, oils, grease, lubricants, flushing liquor, chemicals for pickling etc required during Start up and Commissioning, imported surplus material and scrap in any form generated inside the plant premises.. The break-up of the Contract Price is given in the Appendix-1 to the Contract Agreement.

11.2 Price Basis
11.2.1 The Contract Price shall comprise basic price (base price), Excise Duty, Sales Tax/VAT (including Sales Tax/VAT on Works Contract / Works Contract Tax) for the Erection & Civil Work portion of the contract only, Octroi, Turn Over Tax (TOT), Service Tax, Education Cess and any other duties, taxes and levies, as may be applicable and prevailing on base date of the Contract. While the basic price will constitute the consideration under the Contract, the payment of duties, taxes, levies, etc., will be reimbursed (on actuals) against documentary evidence (except freight and insurance which shall be paid limited to quoted amount incorporated in the Contract) to be produced by the Contractor, subject to a ceiling indicated in Price Schedule given in Appendix 1.

In no case the reimbursement towards duties and taxes, etc., shall exceed the amount indicated in Appendix 1 towards duties, taxes, levies, etc. except as indicated in Sub-Clause 14.6.1, hereof.

This clause is applicable for the portion for which prices have been quoted in Indian Rupees.

The contract price shall not include Entry Tax for indigenous as well as imported supply, which shall be paid and borne by the Employer. The bidders may indicate the portion of supply, on which entry tax is not required to be paid by the Employer and the same shall be included in contract price. Invoice for supply of goods shall contain the following:

- Tax payer Identification Number under C.G. VAT Act.
- In case of supplies manufactured within Bhilai Municipal Local Area then “Goods Sold are Local Goods” is to be endorsed.
- In case of Entry Tax paid supplies, “Material is Entry Tax Prepaid” is to be endorsed.

11.2.2 The Contract Price does not include Customs Duty, Counter Veiling Duty, Cess and Additional Duty of Customs, if any, on the imported plant & equipment specified in the Contract, for which prices indicated in the Contract are in Foreign Currencies. However, Contract Price includes Customs Duty & Counter Veiling Duty, Cess and Additional Duty of Customs, if any, on the imported plant & equipment for which prices indicated in the Contract are in Indian Rupees. Customs Duty, Counter Veiling Duty, Cess and Additional Duty of Customs, if any, for replacement against short supply, damaged, defective items, of such imported Plant & Equipment for which prices indicated in the Contract are in Foreign Currencies shall be borne by the Contractor.
11.2.3 The Contract Price does not include Income Tax & Research & Development (R&D) Cess and Service Tax on imported Engineering / Technical Services/Foreign Supervision & Training by overseas experts for which prices indicated in the Contract are in Foreign currencies.

11.2.4 As per provisions of CGVAT Act, TDS towards VAT will be deducted on the value of civil work, erection of plant & equipment, structures and refractories and fabrication of structures at site from the running account bills of the Contractor.

11.2.5 Should the Commissioning Spares found to be inadequate as indicated in Sub-Clause 7.4.2.2 hereof, the Contractor shall supply additional required Commissioning Spares, without any extra cost to the Employer. However, unused Commissioning Spares shall be the property of the Employer.

11.2.6 Should the Oil, Grease & Lubricants found to be inadequate as indicated in Sub-Clause 7.4.4.2 hereof, the Contractor shall supply additional required Oil, Grease & Lubricants, without any extra cost to the Employer. However, unused Oil, Grease & Lubricants shall be the property of the Employer.

11.2.7 The Contract Price includes price towards supervision by Foreign Experts for a number of mandays specified in Clause 2.2 of Appendix-1. Should the actual mandays deployed is more than the number indicated in Appendix-1, the Employer shall not pay any extra price to the Contractor for extra mandays or additional establishment charges, even if the delay is due to the reasons not attributed to the Contractor.

11.2.8 Raw Water & Electrical Power required for Construction & Erection Work at site, shall be supplied by the Employer free of cost as per Sub-Clause 20.4.2 & 20.4.3 hereof. However, Electrical Power for fabrication work, if any, envisaged at site, shall be supplied metered & charged at the rates prevailing from time to time.

11.2.9 The prices for imported supplies for which prices are quoted in foreign currency, are for delivery on F.O.B. (Free on Board) Port of shipment basis. However, the Contract price shall include the prices towards ocean freight, Customs & Port clearances (excluding Customs, Counter Veiling Duty, Cess and Additional Duty of Customs, if any) handling including loading & unloading, inland freight & insurance up to plant site for items for which prices are quoted in Foreign currencies. The prices for indigenous supplies for which prices are quoted in Indian Rupees, are for delivery at plant site basis.
11.2.10 Subject to **Sub-Clauses 9.2** hereof, the Contractor shall be deemed to have satisfied itself as to the correctness and sufficiency of the Contract Price, which shall, except as otherwise provided for in the Contract, cover all its obligations under the Contract.

11.2.11 The price is based on the Contractor using such items of steel as are made by SAIL, RINL, TISCO, Essar, Jindal, Ispat etc. conforming to BIS standards and which are required for execution of all civil and building structural work including sheeting, technological structures, pipelines, etc.

11.3 **Firm Contract Price**

11.3.1 The Price for items for which the price indicated in the Contract is in Foreign currencies, shall be a firm not subject to any escalation, except in the event of a change in the scope of work or specification or as otherwise provided in the Contract. However, scope of work in pursuance of **Sub-Clause 7.1.2**, hereof, shall not be taken as change in the scope of work or specification.

11.3.2 The Price for items for which the price indicated in the Contract is in Indian Rupees, except as provided in the **Sub-Clause 11.3.3** hereof, shall be a firm not subject to any escalation except in the event of a change in the scope of work or specification or as otherwise provided in the Contract. However, scope of work in pursuance of **Sub-Clause 7.1.2**, hereof, shall not be taken as change in the scope of work or specification.

11.3.3 Where the stipulated “Time for Completion” exceeds twelve (12) months, unless otherwise specifically indicated in the Contract, the Price for the following heads shall be subject to price adjustment due to variation

*Stipulated in the Bidding Documents.*

in price indices as per **Appendix-4** (Price Adjustment due to variation in Price Indices):

- Supply of Indigenous Mechanical Plant & Equipment including Technological Structures.
- Supply of Indigenous Electrical Plant & Equipment.
- Erection of Mechanical & Electrical Plant & Equipment including Technological Structures.
- Supply of Building Steel Structures & Sheeting.
- Erection of Building Steel Structures & Sheeting.
- Civil Engineering works including all necessary supplies.
Projects

11.4 Ceiling on Price Variation

11.4.1 The Price Adjustment (plus or minus) as per Appendix-4 shall be subject to a ceiling amount of 15% of Price (excluding duties, taxes, levies, etc.) for respective heads indicated in Sub-Clause 11.3.3.

Ceiling of 15% of price adjustment due to variation in price indices will be on BASE PRICE and applicable for the 7 Heads mentioned in Sub-Clause 11.3.3 but the ceiling of 15% will be applicable for the total Base Price of the relevant Head and not item-wise within 7 Heads.

11.4.2 For the purpose of calculation of ceiling on Price Adjustment, the taxes & duties included in the Contract Price as on Base Date, the advance payments as per Appendix-3 and price for raw steel items if supplied by the Employer on cost recovery basis shall be deducted from the Contract Price.

11.4.3 The statutory variation in Taxes, Duties and imposition of new taxes, duties etc being reimbursed at actuals as per Sub-Clause 14.6 hereof, shall not be included in fifteen percent (15%) ceiling on Price Adjustment.

11.5 Validity of Price Adjustment

11.5.1 Price Adjustment due to Variation in Price indices envisaged in Appendix-4 shall not be applicable in the following cases:

11.5.1.1 If the stipulated "Time for Completion" is upto twelve (12) months, no price adjustment shall be allowed in the Contract Price for any variations, whatsoever it may be. Contract Price shall be on firm basis.

11.5.1.2 If completion of the Facilities is delayed beyond scheduled “Time for Completion” irrespective of duration of Contractual “Time for Completion”, due to the reasons not attributable to the Employer, notwithstanding the extension to the “Time for Completion” is granted, no price adjustment shall be allowed in the Contract Price for any upward variations, whatsoever it may be, arising either during the “Time for Completion” or extended “Time for Completion.

Price adjustment, if any, shall be allowed only for that part of the Facilities, which are executed within the scheduled time for completion and the price adjustment will be limited to the price adjustment arising from the Base date of the Contract to the scheduled or actual completion period of the respective items of work (to be indicated in the billing schedule) whichever is earlier. This will however be allowed within the time for completion of the Contract.
However, if the completion of facilities is delayed beyond scheduled date of the “Time for Completion” due to reasons attributable to both the parties, then the period for delay attributable to the Employer will be considered as initial delay and the price adjustment shall be applicable during this period as well.

11.5.1.3 Where the Invitation for Bids provides that the stipulated “Time for Completion” is not exceeding twelve (12) months but Contract is entered with “Time for Completion” of more than twelve (12) months, no price adjustment as per Contract provisions shall be allowed.

11.5.2 Price Adjustment due to Variation in Price indices envisaged in Appendix-4 shall be applicable in the following cases:

11.5.2.1 of the Contract is for more than twelve (12) months and completion of the Facilities is achieved within the scheduled “Time for Completion”, price adjustment shall be allowed in the Contract Price for the variations, if any, arising from the base date of the Contract to the scheduled completion period of the respective Heads (to be indicated in the Billing Schedule) or actual completion, whichever is earlier, within the “Time for Completion” of the Contract.

11.5.2.2 When “Time for Completion” of the Contract is up to twelve (12) months and if completion of Facilities is delayed beyond scheduled “Time for Completion” due to reasons attributable to the Employer and extension to the “Time for Completion” is granted, the extent of price adjustment, if any, shall be allowed in the Contract Price, for the upward variations arising between the scheduled “Time for Completion” and actual date of completion of the respective item of work (to be indicated in the Billing Schedule) within the “Extended Time for Completion” of the Contract.

11.5.2.3 When “Time for Completion” of the Contract is more than twelve (12) months and if completion of Facilities is delayed beyond scheduled “Time for Completion” due to reasons attributable to the Employer and extension to the “Time for Completion” is granted, price adjustment, if any, shall be allowed in the Contract Price, for the upward variations arising between the base date and actual date of completion of the respective item of work (to be indicated in the Billing Schedule) within the “Extended Time for Completion” of the Contract.

11.5.3 The Contractor shall submit its claims for Price Adjustment, if any, after commissioning with all break-up and supporting documents to justify its claim.
11.6 Adjustment of Price for Weights and Physical Quantities of Work

11.6.1 The Contract is for Turnkey Completion of Scope of Facilities as specified in the Clause 7 hereof & Technical Specifications. The physical quantities of Civil Work and weights of the mechanical equipment including technological structures, building structures & refractories as given in Tables in Appendix-1, are indicative ones for the purpose of making progress payments on prorata basis as per Clause 2.3 of Appendix-3.

Should the actual physical quantities and weights differ from those indicated, neither the Contractor shall be entitled to get any additional price from the Employer nor the Employer is entitled to deduct any amount from the Contract Price due to variation in physical quantities and weights.

11.7 Billing and Despatch Schedule

11.7.1 The Contractor within ninety (90) days of the Effective Date of the Contract shall submit detailed Billing Schedules (breakup of the Price Schedule contained in the Appendix-1) for the purpose of giving the value of Po for the consideration of Price Adjustment, if applicable, in accordance to the Appendix-4 and release of progress payments in accordance to Appendix-3, which will be scrutinised and approved by the Employer. The detailed Billing Schedules shall be based on Time Schedule included in Appendix-2 (Time Schedule) to the Contract Agreement and PERT network as per Sub-Clause 18.2.1 hereof, for respective progress payment terms in accordance with Clause 2.3 of Appendix-3. While preparing the Billing Schedule, the Contractor shall consider the timely availability of drawings and Plant & Equipment, Structures and Refractories to match the network schedules for timely completion of the Facilities.
11.7.2 Within six (6) months from the Effective Date of Contract, a detailed shipping schedule matching to billing schedule & time schedule, shall be submitted by the Contractor, indicating the break-up of the complete Plant & Equipment, structures and refractories into shipment units with approximate weights and dimensions and the respective dates upon which such units will be despatched from the Contractor's and / or its Sub-Contractor's works. The Contractor shall arrange for supplies of the Plant & Equipment, structures and refractories in the logical sequence required for erection at site within the overall Time for Completion of the Facilities unless otherwise agreed to by the Employer. The Contractor shall promptly give written notice to the Employer of any anticipated delay in maintaining such schedule stating reasons and remedial measures, thereof. This shall not, however, in any way absolve the Contractor from his responsibility of timely delivery of plant & equipment as per Contractual time schedule.

12. Terms of Payment

12.1 General

12.1.1 No initial mobilisation advance will be provided to the Contractor and the payments will be linked with the progress.

12.1.2 All payments shall be made as specified in Appendix-3 (Terms of Payment), directly by the Employer to the Contractor unless otherwise provided in the Contract or agreed between the Parties.

In case the Contractor is a Consortium of two or more parties as indicated in the Sub-Clause 3.9 of GCC, the Employer shall make direct payment to all such parties on certification of the Leader.

However, certification of the leader will not be required for each Invoice, provided the Leader of the consortium submits a general authorization document, authorizing the employer to release payment to its consortium members directly.

12.1.3 If as per provisions of Contract any payment is made directly by the Employer to the Sub-Contractors, such payments shall constitute a proper discharge of Employer’s obligations for such payments to the Contractor.

12.1.4 The payments will be made in the currencies quoted by the Contractor and included in the Contract unless otherwise agreed to between the Parties.

12.1.5 The Contractor shall furnish the detailed Billing Schedule as per Sub-Clause 11.7.1 hereof, for each item under the scope of work of the Contract, for the approval of Employer, which after the approval only, will be the basis for submission of invoices for progress payments.
12.1.6 The Employer shall release the payment to the Contractor within 30 days from the date of receipt of the complete and correct invoices & relevant documents.

12.1.7 All interim / progress payments shall be regarded as payments by way of advance against the final payment only and not as payment for work completed and shall not preclude defective / imperfect / incomplete Facilities to be removed. It will not be considered as an admission by the Employer of the due performance of the Contract, or any part thereof by the Contractor nor shall it preclude, determine or affect in any way the powers of the Employer under these conditions or in any way vary or affect the Contract.

13. Securities

13.1 Issuance of Securities (Bank Guarantees)

13.1.1 The Contractor shall provide the Securities in the form of Bank Guarantees specified below in favour of the Employer at the times, and in the amount, manner and form specified below.

13.1.2 The Bank Guarantee shall be in the form provided in the Annexures I to III hereof or in another form acceptable to the Employer.

13.1.3 The Bank Guarantee for Indian Rupee payments shall be issued and be payable/operable by State Bank of India (SBI) or an Scheduled Indian Bank at Bhilai / Durg (India).

13.1.4 The Bank Guarantee for Foreign Currency payments shall be issued by Scheduled Indian Bank based on counter Bank Guarantee to be issued by Overseas Bank acceptable to Scheduled Indian Bank and be payable by Scheduled Indian Bank or State Bank of India (SBI).

13.1.5 In case project gets delayed due to reasons not attributable to Contractor, the actual expenditure incurred by Contractor for extension of BG shall be reimbursed by the Employer,

13.2 Performance Bank Guarantee (as per Annexure-I)

13.2.1 The Contractor shall, within 15 (fifteen) days after the Effective Date of Contract as specified in Article-3 of Contract Agreement, provide a Bank Guarantee (as per Annexure-I hereof) for the due performance of the Contract in amount equivalent to 5% of the Contract Price (including taxes and duties as included in the Price Schedules) in the same currency or currencies.
13.2.1.1 If the Contractor fails to provide the Performance Bank Guarantee within the specified period, the Employer shall take risk purchase action including forfeiting the bid security, and get the Facilities executed by any other party at the risk and cost of the Contractor, after expiry of the notice for terminating the Contract for such default by the Contractor.

13.2.2 The Bank Guarantee shall automatically become null and void after twelve (12) months after issue of Commissioning Certificate, provided, however, that if the Defects Liability Period has been extended on any part of the Facilities pursuant to Sub-Clause 30.7 hereof, the Contractor shall issue an additional Bank Guarantee in an amount proportionate to the Price of that part. The Bank Guarantee shall be returned to the Contractor immediately after its expiration, provided, however, that if the Contractor, pursuant to Sub-Clause 30.9 hereof, is liable for an extended warranty obligation, the performance Bank Guarantee shall be extended for the period of 12 months from date of its restoration and up to the amount equal to 10% value of the component / part / equipment.

13.3 Bank Guarantee (as per Annexure-II) for release of payments towards Commissioning under Sub-Clause 25.4 hereof

13.3.1 The Contractor shall provide Bank Guarantee (as per Annexure-II hereof) to the Employer for an amount equivalent to the payment under Sub-Clause 25.4 hereof, in the same currency or currencies for a period of 12 months from the date of release of payment against Commissioning Certificate.

13.3.2 The Bank Guarantee shall be returned to the Contractor as soon as Commissioning Certificate has been issued, at the latest, however, on the expiry of 12 months from the date of release of payment against Commissioning Certificate.

13.4 Bank Guarantee (as per Annexure-III) for release of payments towards Performance Guarantee Certificate under Sub-Clause 28.4 hereof

13.4.1 The Contractor shall provide Bank Guarantee (as per Annexure-III hereof) to the Employer for an amount equivalent to the payment under Clause 28 hereof, in the same currency or currencies for a period of 12 months from the date of release of payment against Commissioning Certificate.
13.4.2 The Bank Guarantee shall be returned to the Contractor as soon as the Performance Guarantee Test is successfully completed and the guaranteed output and other parameters are met, at the latest, however, on expiry of 12 months from the date of release of payment against Commissioning Certificate.

13.5 Claims under Security (Bank Guarantee)

If the Employer considers itself entitled to any claim under any Bank Guarantee, it shall so notify the Contractor by registered airmail post, specifying the default of the Contractor upon which it bases its claim, and it shall require the Contractor to remedy the same. If the Contractor fails to remedy or to take steps to remedy the same within fourteen days of receipt of such notice, then the Employer shall be entitled to call Security.

The actual expenditure incurred by the Contractor for extension of BG/Additional Insurance Premium shall be reimbursed to the Contractor in case delay in completion of project is not attributable to the Contractor.

14. Taxes & Duties

14.1 Except as otherwise specifically provided in the Contract, the Contractor shall bear and pay all taxes, duties, levies and charges assessed on the Contractor, its Sub-Contractors or their employees by Municipal, State or Central Government Authorities.

However, subject to stipulations of the Contract, the payment of duties, taxes, levies, etc., will be reimbursed (on actual) against documentary evidence to be produced by the Contractor, subject to a ceiling indicated in price schedule(s) of the Contract. In no case the reimbursement towards duties and taxes, etc., shall exceed the amount indicated in price schedule(s) of the contract towards duties, taxes, levies, etc. except on account of statutory variation in Taxes & Duties and / or imposition of new taxes and duties.

All taxes & duties payable outside India in respect of performance of the Contract shall be borne & paid by the Contractor. The Employer shall have no liability whatsoever on this account.

14.1.1 As per provisions of CGVAT Act, TDS towards VAT will be deducted on the value of civil work, erection of plant & equipment, structures and refractories and fabrication of structures at site from the running account bills of the Contractor.
14.1.2 The Contractor shall bear and pay all the liabilities in respect of non-observance of all legal formalities as per various statutory provisions.

14.1.3 The Contractor shall make “Sale in Transit” as per Section 6(2) of Central Sales Tax Act 1956 and all formalities required shall have to be observed by the Contractor.

14.2 Notwithstanding Sub-Clause 14.1 hereof, the Employer shall bear and pay Customs Duty & Counter Veiling Duty, Cess, and Special Additional Duty, if any, on imported Plant & Equipment for which prices indicated in the Contract are in Foreign Currencies.

Customs Duty, Counter Veiling Duty, Cess and Additional Duty of Customs, if any, for replacement against short supply, damaged, defective items, of such imported Plant & Equipment for which prices indicated in the Contract are in Foreign Currencies shall be borne by the Contractor.

14.2.1 The Contractor shall bear and pay Customs Duty & Counter Veiling Duty, Cess, and Additional Duty of Customs, if any, on imported plant & equipment for which prices indicated in the Contract are in Indian Rupees.

14.3 Notwithstanding Sub-Clause 14.1 hereof, the Employer shall bear and pay Income Tax & R & D Cess, Service Tax and Education Cess on imported engineering/Technical Services, supervision services by Overseas Contractor’s experts & training abroad, for which prices indicated in the Contract are in Foreign currencies, directly to the authorities, for which required documents will be furnished by the Contractor to the Employer.

14.3.1 The personnel Income Tax of Overseas Contractor’s experts, if payable, shall be paid by the Overseas Contractor experts directly and the Employer shall neither be liable to pay the Income Tax nor for filing the tax return for Overseas Contractor’s experts.
14.3.2 The Employer will furnish to the Overseas Contractor, the original tax receipts in connection with payments made under the Contract.

14.4 **Avoidance of Double Taxation**

14.4.1 In case the Overseas Contractor becomes entitled to receive or receives any tax exemptions, reductions, allowances or privileges in the foreign country on account of taxes & duties paid by the Employer in India, on behalf of the Overseas Contractor for imported supplies & services or due to Avoidance of Double Taxation Treaty between Governments of Overseas Contractor’s Country & India then the same shall have to be reimbursed by the Overseas Contractor to the Employer.

14.4.2 A certificate from an independent Chartered Accountant stating as given thereunder, shall be furnished by the Contractor to the Employer, as soon as possible:

i) Refund / Reimbursement due on account of tax paid by the Employer in India, where available under said treaty, has been claimed by the Contractor, and

ii) Refund / Reimbursement obtained, has been paid by the Contractor to the Employer.

14.4.3 The Overseas Contractor shall provide to the Employer expeditiously all details, informations, clarifications & documents, to the extent that such disclosure is reasonable, as may be required to file the requisite return with the Indian Income Tax Authorities to permit the Employer to get the same assessed in the most economical manner as per the provisions of the Income Tax Act / Agreement for Avoidance of Double Taxation.

14.5 **CENVAT**

14.5.1 Void

14.5.2 The Contractor will ensure dispatches of his own manufactured as well as all bought out plant, equipment & materials directly to work site of the Employer in such a manner that the Employer will get the CENVAT benefit on account of Excise Duty on indigenous plant, equipment & materials and Counterveiling duty (if any), Cess and Additional Duty of Customs on imported plant & equipment.

14.5.3 Excise Invoices for all indigenous plant, equipment & materials shall be made consigned to “Steel Authority of India Limited – BHILAI Steel Plant” for availing CENVAT Credit under relevant Rules and shall be furnished by the Contractor to the Employer for availing CENVAT Credit.
14.5.4 For supply of all imported plant & equipment by overseas suppliers, the Contractor shall furnish all required Documents including bill of entry in original etc. to enable the Employer to avail the CENVAT Credit.

14.5.5 The Contractor shall also submit any other Document required by the Employer to avail the CENVAT credit. In case, the Contractor fails to submit the required document for availing the CENVAT credit by the Employer in respect of supplies, the amount of Excise Duty on such indigenous plant & equipment and countervailing duty on imported plant & equipment may be recovered by the Employer from the Contractor unless the Contractor furnishes proper justification.

14.5.6 Contractors to indicate Minimum Guaranteed CENVAT Credit that can be availed by the Employer against materials supplied for subject work. In case of any shortfall in CENVAT Credit from that Guaranteed by the Contractor, the shortfall shall not be reimbursed to the Contractor.

However, in case the actual CENVAT benefit is more than the Minimum Guaranteed CENVAT amount, then 50% of the additional benefit shall be passed on to the bidder.

Contractor shall submit all relevant document required by the Employer to avail the VAT towards admissible input tax credit as per Chhatisgarh VAT and Chhatisgarh VAT rule as prevailing and/or as modified from time to time. In case the contractor fails to submit the require documents for availing the VAT credit by the Employer, the amount of balance guaranteed VAT will not be reimbursed to the Contractor. However, VAT credit in excess of guaranteed amount will be to Employers account.

14.5.7 The Employer will issue way bills as required for despatch of materials to the Contractor on request. Advance intimation in this regard is to be given by the Contractor to the Employer.

14.5.8 For direct supply of the indigenous bought-out plant & equipment by the Sub-contractor to the Employer, the contractors will draw their invoices as per relevant trade notice to enable the Employer to avail the CENVAT Credit.

14.6 Variations in Taxes & Duties

14.6.1 For the purpose of the Contract, it is agreed that the ‘Contract Price’ specified in Article 2 (“Contract Price” & “Terms of Payment”) of the Contract Agreement is based on the taxes, duties, levies etc. and charges prevailing on Base date (hereinafter called “Tax” in this Sub-Clause 14.6 hereof).
any rate of tax is increased or decreased, a new tax is introduced, an existing tax is abolished, or any change in interpretation or application of any tax occurs in the course of the performance of Contract, which was or will be assessed on the Contractor, Sub-Contractors or their employees in connection with performance of the Contract, an adjustment of the Contract Price shall be made as per Sub-Clauses 14.6.2 & 14.6.3, hereof, by addition to the Contract Price or deduction therefrom, as the case may be.

14.6.1.1 The adjustment in the Contract Price towards variations in taxes shall be applicable for the variations in the taxes enacted within the scheduled Contractual delivery / execution period provided the Facilities are completed within the “Time for Completion” of the Contract. For any upward variations in taxes enacted after the Contractual delivery / execution period, the adjustment in the Contract Price shall not apply in case the reasons for delay are not attributable to the Employer notwithstanding extension to the “Time for Completion” is granted. However, if the completion of the Facilities is delayed due to reasons attributable to the Employer and extension to the “Time for Completion” is granted variations in taxes enacted after the Contractual delivery / execution period, the adjustment in the Contract Price shall be allowed within the extended “Time for Completion” of the Contract.

14.6.1.2 The adjustment in the Contract Price towards imposition of new taxes or abrogation of existing taxes, shall be applicable only if the new tax is enacted or existing tax is abrogated within Contractual delivery/execution period. For any variation due to enactment of new tax or abrogation of existing tax after Contractual delivery / execution period, adjustment in the Contract Price shall not apply.

14.6.1.3 The Contractor shall bear and pay all liabilities in respect of Statutory variations in taxes and duties and imposition of new taxes and duties that may be imposed after the Contractual delivery / execution dates, as originally stipulated, in case the delivery dates are extended due to reasons attributable to Contractor.

14.6.2 The adjustment in the Contract Price towards variation in the taxes shall be made by the Employer on production of the documentary evidences by the Contractor.

14.6.3 The Contract Price shall be adjusted towards variations in taxes in respect of only finished equipment supplied by the Contractor to the Employer. No adjustment in the Contract price shall be made for variations in the taxes on raw-materials, parts, component / intermediate components, assemblies / sub-assemblies, etc.
14.6.4 For the purpose of adjustment in the Contract Price towards variation in taxes, the Contract Price shall be the price including price adjustment due to variation in price indices, as payable in accordance with Appendix-4.

14.6.5 In case any steel structure is fabricated at Employer’s site after approval of the Employer as specified in the Sub-Clause 21.1.2, hereof, beyond the items and quantities indicated in the I(a) of Table-10 of the Appendix-1 and there is saving in payment of duties, taxes, levies, etc. on this account then such saving will be recovered by the Employer from the Contractor’s bills.

D. CONFIDENTIAL INFORMATION

15. Copyright

15.1 The copyrights in all drawings, documents and other materials containing data and information furnished by the contractor to the employer shall remain vested in the contractor; however SAIL shall have the right to use all such drawings, documents and other material, data and information for execution of the contract and operation and maintenance of the Facilities being subject of the Contract.

16. Confidential Information

16.1 The Employer and the Contractor shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any document, data or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following termination of the Contract. Notwithstanding the above, the Contractor may furnish to its Sub-Contractor(s) such documents, data & other information it receives from the Employer to the extent required for Sub-Contractor(s) to perform its work under the Contract, in which event the Contractor shall obtain from such Sub-Contractor(s) an undertaking of confidentiality similar to that imposed on the Contractor under this clause.

16.2 The Employer shall not use such documents, data and other information received from the Contractor for any purpose other than the operation and maintenance of the Facilities. Similarly, the Contractor shall not use such documents, data and other information received from the Employer for any purpose other than the design, procurement of Plant and Equipment, construction or such other work and services as are required for the performance of the Contract.

16.3 The obligation of a party under Sub-Clauses 16.1 and 16.2 hereof, however, shall not apply to that information which a) now or hereafter enters the public domain through no fault of that party.
b) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party hereto.

c) otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.

16.4 The above provisions of this clause (Clause 16 hereof) shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Facilities or any part thereof.

16.5 The provisions of this clause (Clause 16 hereof) shall survive termination, for whatever reason, of the Contract.

E. WORK EXECUTION

17. Representatives

17.1 Engineer

17.1.1 If the Engineer is not named in the Contract, then within fourteen (14) days of the Effective Date, the Employer shall notify the Contractor in writing of the name of the Engineer. The Employer may from time to time appoint some other person as the Engineer in place of the person previously so appointed, and shall give a notice of the name of such other person to the Contractor without delay. No such appointment shall be made at such a time or in such a manner as to impede the progress of work on the Facilities. Such appointment shall only take effect upon receipt of such notice by the Contractor. The Engineer shall represent and act for the Employer at all times during the currency of the Contract. All notices, instructions, orders, certificates, approvals and all other communications under the Contract shall be given by the Engineer, except as herein otherwise provided.

17.2 Contractor’s Representative

17.2.1 If the Contractor’s Representative is not named in the Contract, then within fourteen (14) days of the Effective Date, the Contractor shall appoint the Contractor’s Representative and shall request the Employer in writing to approve the person so appointed. If the Employer makes no objection to the appointment within fourteen (14) days, the Contractor’s Representative shall be deemed to have been approved. If the Employer objects to the appointment within fourteen (14) days giving the reason therefor, then the Contractor shall appoint a replacement within fourteen (14) days of such objection, and the foregoing provisions of this Sub-Clause 17.2.1 hereof, shall apply thereto.
17.2.2 The Contractor shall not revoke the appointment of the Contractor's Representative without the Employer's prior written consent, which shall not be unreasonably withheld. If the Employer consents thereto, the Contractor shall appoint some other person as the Contractor's Representative, pursuant to the procedure set out in Sub-Clause 17.2.1 hereof.

17.2.3 The Contractor's Representative shall represent and act for the Contractor at all times during the currency of the Contract and shall give to the Engineer all the Contractor's notices, instructions, information and all other communications under the Contract. All notices, instructions, information and all other communications given by the Employer or the Engineer to the Contractor under the Contract shall be given to the Contractor's Representative or, in its absence, its deputy, except as herein otherwise provided.

All notices, instructions, information and other communications given by the Contractor to the Employer under the Contract shall be given to the Engineer, except as herein otherwise provided.

17.2.4 The Contractor's Representative may, subject to the approval of the Employer (which shall not be unreasonably withheld), at any time delegate to any person any of the powers, functions and authorities vested in him or her. Any such delegation or revocation shall be subject to a prior notice signed by the Contractor's Representative, and shall specify the powers, functions and authorities thereby delegated or revoked. No such delegation or revocation shall take effect unless and until a copy thereof has been delivered to the Employer and the Engineer. Any act or exercise by any person of powers, functions and authorities so delegated to him or her in accordance with this Sub-Clause 17.2.4 hereof, shall be deemed to be an act or exercise by the Contractor's Representative.

17.2.5 The Employer may by notice to the Contractor object to any representative or person employed by the Contractor in the execution of the Contract who, in the reasonable opinion of the Employer, may behave inappropriately, may be incompetent or negligent, or may commit a serious breach of the Site regulations provided under Sub-Clause 22.3 hereof. The Contractor on receipt of such notice, shall remove such person from the Facilities. If any representative or person employed by the Contractor is removed in accordance with Sub-Clause 17.2.5 hereof, the Contractor shall promptly appoint a replacement.

17.3 Co-operation with Other Contractors
17.3.1 The Contractor shall, upon written request from the Engineer, provide all relevant technical information to the other Contractors employed by the Employer on or near the Site for any associated Plant & Equipment to enable the Employer to obtain the efficient & economical design of the associated Plant & Equipment.

If required by the Contractor, the other contractors of the Employer will enter into a confidentiality agreement to ensure the technical information is not unlawfully disclosed.

17.3.2 The Contractor shall, upon written request from the Engineer, give all reasonable opportunities for carrying out the work to any other Contractors employed by the Employer on or near the Site and shall co-ordinate with the other Contractors for any interface activity under its Scope of Facilities.

17.3.3 The Contractor shall also so arrange to perform its work as to minimise, to the extent possible, interference with the work of other Contractors. The Engineer shall determine the resolution of any difference or conflict that may arise between the Contractor & other Contractors in regard to their work.

17.3.4 The Contractor shall notify the Engineer promptly of any defects in the other Contractors’ work that come to its notice, and that could affect the Contractor's work. The Engineer shall determine the corrective measures, if any, required to rectify the situation after inspection of the Facilities. Decisions made by the Engineer shall be mutually discussed and agreed upon.

18. Work Program

18.1 Contractor’s Organisation

The Contractor shall supply to the Employer a chart showing the proposed organisation to be established by the Contractor for carrying out work on the Facilities. The chart shall include the identities of the key personnel together with the curricula vitae of such key personnel to be deployed within twenty-one (21) days of the Effective Date of the Contract. The Contractor shall promptly inform the Employer in writing of any revision or alteration of such an organisation chart.

18.1.1 The Contractor shall submit the detailed Assignment Schedule for Overseas Experts / Specialists for rendering technical services, within six (6) months from the Effective Date of the Contract which shall be mutually agreed upon between the Employer and the Contract

18.2 Program of Performance
18.2.1 Within three (3) weeks after the date of signing the Contract Agreement, the Contractor shall prepare and submit to the Engineer the Master PERT Network for the performance of the Contract, showing the sequence in which it proposes to design, manufacture, transport, assemble, install and pre-commission the Facilities, as well as the date by which the Contractor reasonably requires that the Employer shall have fulfilled its obligations under the Contract as per Clause 10 hereof, so as to enable the Contractor to execute the Contract in accordance with the programme and to achieve Acceptance of the Facilities in accordance with the Contract.

18.2.2 The Master PERT Network so submitted by the Contractor shall accord with the Time Schedule included in Appendix-2 (Time Schedule) to the Contract Agreement and any other dates and periods specified in the Contract.

18.2.3 The Engineer shall approve the Master PERT Network after scrutiny and discussions with the Contractor within two (2) weeks of submission of Master PERT Network. The Contractor shall submit finalised Master PERT Network in number of copies as required by the Employer.

18.2.4 Based on the finalised Master PERT Network as per Clause 18.2.3 hereof, the Contractor shall submit L-1 Network for each unit of the Facilities progressively within five (5) to twelve (12) weeks from the Effective Date of the Contract. These L-1 Networks shall be approved by the Engineer within three (3) weeks of the submission.

18.2.5 The Contractor shall update and revise the finalised Master PERT Network as and when appropriate or when required by the Engineer, but without modification in the Times for Completion given in the Clause 1.1 of Appendix-2 and any extension granted in accordance with Clause 42 hereof, and shall submit all such revisions to the Engineer.

18.2.6 The Contractor shall intimate the Employer / Engineer, in writing well in advance, about the requirement of shut down of any of the existing Units / facilities for inter-connection / incorporation of additional units / facilities. The shutdown period shall be mutually discussed and finalised. The work to be undertaken round the clock during the shut down period shall be planned meticulously by the Contractor to reduce the shut down period to the minimum.

18.3 Progress Report

18.3.1 The Contractor shall monitor progress of all the activities specified in the program referred to in Sub-Clause 18.2 (Program of Performance) hereof, and submit to the Engineer a progress report along with Computerised Network Analysis Report every month.
18.3.2 The progress report shall be in a form acceptable to the Engineer and shall indicate: (a) percentage completion achieved compared with the planned percentage completion for each activity; and (b) where any activity is behind the program, giving comments and likely consequences and stating the corrective action being taken.

18.4 Progress of Performance

18.4.1 If at any time the Contractor’s actual progress falls behind the program referred to in Sub-Clause 18.2 (Program of Performance) hereof, or it becomes apparent that it will so fall behind, the Contractor shall, at the request of the Engineer, prepare and submit to the Engineer a revised program, taking into account the prevailing circumstances, and shall notify the Engineer of the steps being taken to expedite progress so as to attain Completion of the Facilities within the Time for Completion under Sub-Clause 8.1 (Time for Completion) hereof, any extension thereof entitled under Sub-Clause 42.1 (Extension of Time for Completion) hereof, or any extended period as may otherwise be agreed upon between the Employer and the Contractor.

18.5 Work Procedures

18.5.1 The Contract shall be executed in accordance with the Contract Documents including Appendices to the Contract Agreement and Annexures hereof.

18.5.2 The Contractor may execute the Contract in accordance with its own standard project execution plans and procedures to the extent that they do not conflict with provisions contained in the Contract.

18.6 Manpower Requirement for Operation & Maintenance of Facilities

18.6.1 The Contractor shall submit to the Employer within a reasonable period but not later than six (6) months from the Effective Date of the Contract, the recommended manpower requirement category wise and unitwise for the regular operation of the Facilities at the Guaranteed Production Capacity as per Contract. The manpower requirement shall include the requirement for the maintenance of the Facilities. The Contractor shall also submit job specifications for each category of personnel particularly in the critical positions to enable the Employer to deploy / recruit such personnel.

18.7 Training
18.7.1 While basic induction training for all categories of staff and for all job positions will be provided by the Employer, the Contractor shall identify from the manpower requirements as per Sub-Clause 18.6 hereof, the key positions and number of persons to be trained for efficient running of the plant. Employer will depute personnel with appropriate qualifications and experience for training.

18.7.2 The Contractor shall arrange for training of the personnel of the Employer, abroad / in India for the mandays indicated in Table 13 of Appendix-1. Such training will include training in Contractor's design & engineering department and/or in the manufacturer's shop and for operation and maintenance in working plants free of cost.

18.7.3 The Contractor shall submit Schedule for Training of personnel of the Employer within a reasonable period but not later than six (6) months from the Effective Date of Contract. The schedule shall be mutually agreed upon between the employer and the Contractor.

18.7.3.1 For maintenance personnel earmarked for training with the Contractor, it must be ensured while preparing Training Schedule, that they are associated during training with the preparation and testing of major assemblies / sub-assemblies at manufacturer's works.

18.7.4 The Contractor shall give detailed training programme for Employer's personnel, well in advance of their arrival at the place of training. The training programme can be changed by mutual agreement of the Employer and the Contractor depending on the requirement.

18.7.5 The Contractor shall supply five (5) copies of Training Manuals, Instructions and other connected literature to the Employer in English Language. In addition, each trainee shall also receive a complete set of such Training Manuals, Instructions and other connected literature.

19. Subcontracting

19.1 List of Approved Sub-Contractors / Vendors (Appendix-6) forming a part of the Contract Agreement, specifies major items of supply or services and indicates name of approved Sub-Contractors / Vendors against each item. Insofar as no Sub-Contractor / Vendor is listed against any such item, the Contractor shall prepare a list of Sub-Contractors / Vendors for such item for inclusion in approved list given in Appendix-6 of the Contract Agreement.
The Contractor may from time to time propose any addition to approved list to the Employer for its approval. Employer shall communicate its decision to the Contractor, w.r.t. approval/rejection of such new Vendors/Sub-Contractors as proposed by the Contractor, within 15 (fifteen) days of submission of all clarifications/information by the Contractor as sought by the Employer pursuant to Contractor’s request for approval of such additional vendors/sub-contractors. Such approval, if any, by the Employer for any of the Sub-Contractors / Vendors shall not relieve the Contractor from any of its obligations, duties or responsibilities under the Contract.

19.2 The Contractor shall select and employ its Sub-Contractors / Vendors for such major items from those listed in the lists referred to in Sub-Clause 19.1 hereof. No Sub-Contractor / Vendor shall be placed with any such Sub-Contractors / Vendors for additional items until the Sub-Contractors / Vendors have been approved in writing by the Employer and their names have been added in the list of approved Sub-Contractors / Vendors given in Appendix-6 of the Contract Agreement.

19.3 At the option of the Employer, without any financial implication to the Employer; the Employer, the Contractor and the Sub-Contractor / Vendor shall have tripartite agreement for critical equipment supply/ work. On the request of the Contractor, the Employer may make direct payment in respect of such equipment supply / work to the Sub-Contractor / Vendor on certification by the Contractor.

20. Design and Engineering

20.1 Specifications and Drawings

20.1.1 The Contractor shall execute the basic and detailed design and the engineering work in compliance with the provisions of the Contract, or where not so specified, in accordance with good engineering practice.

20.1.1.1 The Contractor shall be responsible for any discrepancies, errors or omissions in the specifications, drawings and other technical documents that it has prepared, whether such specifications, drawings and other documents have been approved by the Engineer / Consultant or not, provided that such discrepancies, errors or omissions are not because of inaccurate information furnished in writing to the Contractor by or on behalf of the Employer.

20.2 Codes and Standards
Wherever references are made in the Contract to codes and standards in accordance with which the Contract shall be executed, the edition or the revised version of such codes and standards current at the date of bid submission shall apply unless otherwise specified. During Contract execution, any changes in such codes and standards shall be applied after approval by the Engineer / Consultant & shall be treated in accordance with Clause 41 hereof.

20.3 Approval / Review of Technical Documents by Engineer / Consultant

20.3.1 The Contractor shall prepare (or cause its Subcontractors to prepare) and furnish to the Engineer / Consultant the drawings / documents listed at Sub-Clause 2.2 of Appendix-2 to the Contract Agreement for approval or review as specified and in accordance with the requirements of Sub-Clause 18.2 (Program of Performance) hereof.

20.3.2 Any part of the Facilities covered by or related to the drawings / documents to be approved by the Engineer / Consultant shall be executed only after the Engineer / Consultant's approval thereof.

20.3.3 Sub-Clauses 20.3.5 through 20.3.9 hereof, shall apply to those drawings/ documents requiring the Engineer / Consultant's approval, but not to those furnished to the Engineer / Consultant for its review only.

20.3.4 To enable the Employer to accord approval and to review documents the contractor shall submit back-up data / drawings / basic calculations / assumptions as may be required by the Employer / Consultant.

20.3.5 Within fourteen (14) days after receipt by the Engineer / Consultant of any drawings / document requiring the Engineer / Consultant's approval in accordance with Sub-Clause 20.3.1 to 20.3.3 hereof, the Engineer / Consultant shall either return one copy thereof to the Contractor with its approval endorsed thereon or shall notify the Contractor in writing of its disapproval thereof and the reasons therefor and the modifications that the Engineer / Consultant proposes.

20.3.6 The Engineer / Consultant shall not disapprove any document, except on the grounds that the document does not comply with some specified provision of the Contract or that it is contrary to good engineering practice.
20.3.7 If the Engineer / Consultant disapproves the drawing / document, the Contractor shall modify the drawing / document and resubmit it for the Engineer / Consultant’s approval in accordance with **Sub-Clause 20.3.5** hereof. The Engineer/Consultant will not give any new comment on the revised drawing, wherein all comments have been incorporated by the Contractor in the revised drawing. If the Engineer / Consultant approves the drawing / document subject to modification(s), the Contractor shall make the required modification(s), whereupon the document shall be deemed to have been approved.

20.3.8 The Engineer / Consultant’s approval, with or without modification of the document furnished by the Contractor, shall not relieve the Contractor of any responsibility or liability imposed upon it by any provisions of the Contract.

The Engineer/Consultant will not give any new Comments on the revised drawing where all the comments have been incorporated in the drawings. If the Engineer/Consultant approve the drawing/document subject to modification(s), the Contractor shall make the required modification(s), whereupon the document shall be deemed to have been approved.

20.3.9 The Contractor shall not depart from any approved drawing / document unless the Contractor has first submitted to the Engineer / Consultant an amended drawing / document and obtained the Engineer / Consultant’s approval thereof, pursuant to the provisions of this **Sub-Clause 20.3** hereof.

20.4 **Civil Engineering Work**

20.4.1 The Contractor shall carryout Civil Engineering Work as per the Contract Technical Specification in accordance with conditions given below:

20.4.1.1 The Contractor shall make its own arrangement for all labour, construction, tools & tackles & construction materials. All temporary approach roads to the site for carrying out construction work shall be constructed and maintained by the Contractor at its own cost.

20.4.1.2 The Contractor shall make arrangement at its own cost for drawing and distributing water and power from a single point each, where water and power will be provided by the Employer. The Contractor should have adequate water storage capacity to meet its requirements.
20.4.1.3 The Contractor shall take all necessary precautions to avoid damage to any property of the Employer or any third party. The Contractor shall also ensure that the progress of work of other Contractors in the adjoining areas is not hindered.

20.4.1.4 The Contractor shall take all precautions during execution, especially while excavating to avoid interference with or damage to underground works, such as cables, pipe lines, drains, etc. and provide all possible protection to these works and in case they are damaged, rebuild / divert them at its own cost.

20.4.1.5 The Contractor shall carry out, at its own cost, necessary precision survey to set out and check the setting of all works including foundation & anchor bolts, etc., to the required tolerances using the grid reference points available in the plant site.

20.4.1.6 Materials brought to the site shall not be removed from the site without the written consent of the Employer. The Contractor shall submit well in advance for approval of all samples, specimens as the Employer may demand from time to time. Any material brought to site and rejected by the Employer shall be removed by the Contractor from the site of work immediately.

20.4.1.7 The Employer may during the progress of work, order the removal of part or whole of the work executed, found not in accordance with the approved drawings / specifications / written instructions. No extra claims shall be entertained for removal & re-execution of such work.

20.4.1.8 No work shall be covered up or put out of view without the approval of the Employer. In the event of failing to do so, the Contractor shall uncover any part of the work or make openings in or through the works as the Employer may direct and they shall be made good with materials approved by the Employer and should match with workmanship of the surrounding work.

20.4.1.9 The Contractor shall provide sufficient strong and stable stagings so as to ensure safety of the labour & structures.
20.4.1.10 The Contractor shall provide all necessary storage at the site in specified areas for all materials such as timber, cement, lime and such other materials which are likely to deteriorate by the action of sun, winds, rain or other natural cause due to exposure in the open in such manner that all such materials shall be duly protected from damage by weather or any other cause. All such stores shall be cleared away and the whole site left in good order on completion of the Contract. All materials, shall be stacked in such a manner as to facilitate rapid and easy checking of such materials. The Contractor will not be permitted to store any of his material in the buildings under construction or already constructed by him without prior approval of the Employer.

20.4.1.11 The Contractor shall dismantle and remove the stagings and other temporary facilities like stores, offices, labour camp, etc., on completion of work, clear and clean the site where such temporary facilities were built and restore the same to original condition.

20.4.1.12 After completion of work, the Contractor shall carry out microlevelling of the site within battery limit ensuring proper grades and slopes to achieve efficient drainage of the site. The Contractor shall remove all debris, surplus earth, etc., and dump the same at place(s) as directed by the Employer within a distance of 10 km from the site.

20.4.1.13 a) The cost of testing of concrete and any other material, shall be borne by the Contractor.

b) The Contractor shall install its own construction laboratory equipment at site for testing of construction materials like cement, aggregates, concrete cubes, soil etc.

c) Testing shall be carried out by the Contractor in the presence of Employer’s representative. However, the Contractor shall arrange for such testing, in case of exigencies on the Employer’s instructions, at any other testing laboratory as approved by the Employer without any extra cost to the Employer. All test results shall be submitted by the Contractor to the Employer for his approval.

d) Any special measures or techniques which may be necessary for construction of structures, e.g., dewatering, sheet piling, diaphragm walls, well sinking, well point system, continuous pouring of concrete, etc., shall be deemed to have been taken into account by the Contractor and no extra claim, whatsoever, shall be entertained.
20.4.1.14 All lap lengths in reinforcement rods have to be approved by the Employer.

20.4.1.15 In respect of any portion of works which is to be embedded or covered up by other works, the Contractor shall submit them to Employer for technical inspection and have the necessary clearance certificates duly signed by the Employer and Contractor before letting such portion to be embedded or covered.

20.4.1.16 Wherever works are to be carried out in proximity or within existing facilities, Contractor may have to adopt special methodology of construction suited to prevailing conditions. The Contractor shall make necessary schemes in advance and finalise the same with the approval of the Engineer / Consultant.

20.4.1.17 If the civil design / drawings are prepared in India, the Contractor shall deploy experienced Engineers to attend and guide the design/ drawings work done by its Overseas Associates (if any).

20.4.1.18 On progressive completion of work, the Contractor shall submit to the Employer the following documents for the passing of the work:

a) Certificate on control checking.

b) A copy of each of the concerned working drawings showing thereon all approved additions and alternations, if any, in the process of execution.

c) Clearance certificates for embedded / covered up works.

d) Manufacturer’s certificates, guarantees and test certificates, as relevant.

20.4.2 **Construction Water**

20.4.2.1 Construction & Drinking water shall be supplied free of cost by the Employer to the Contractor at a single point within a distance of 300 m from the battery limit. The Contractor shall make its own arrangements to lay and maintain necessary distribution lines, valves, etc., from this point at its own cost.

20.4.2.2 The Contractor shall be responsible to store water in sufficient quantities to meet its requirements for at least 2 days in well built water storage tanks with covered tops to prevent entry of foreign matter. Quantum of supply will depend on availability and no claim for shortfall shall be allowed by the Employer.
20.4.2.3 The Contractor shall ensure that there is no wastage of water. The Contractor will also be responsible for maintaining the taps, pipe lines, etc., in proper condition. The Contractor shall obtain prior approval of the Employer of Contractor’s distribution scheme before laying the pipelines.

20.4.3 Construction Power

20.4.3.1 The Employer will supply 415V, 3-Phase four wire AC power in bulk at one point within 300 meters of battery limit, for construction & erection free of charge. The Contractor shall make its own arrangements to lay and maintain necessary distribution lines and wiring at its own cost. Electrical power for fabrication work, if any, envisaged at site shall be supplied, metered and charged at the rate prevailing from time to time.

20.4.3.2 The Contractor shall ensure that the electrical equipment employed by the Contractor will be such that the aggregate power factor does not fall below 0.8 at the Employer’s terminal point.

20.4.3.3 The Contractor shall obtain Employer’s prior approval of the locations of Contractor’s fixed construction machinery and the points for tapping of electric supply, laying of distribution lines and wiring.

20.4.3.4 The Contractor will supply and install switches, fuse units of suitable rated capacity separately for power and lighting on a frame preferably of steel and provide rain water protection cover on the switches. The Contractor will supply and install all distribution cables, wires and switches, etc., of rated capacity for the work starting from the source of power at its own cost. The installation will be made as per relevant rules and site locations which are to be finalised in consultation with the Employer.

20.4.3.5 Display of danger board signs in Hindi and English languages near switches is to be ensured by the Contractor.

20.4.3.6 The electrical installations for construction power shall conform to Indian Electricity Rules. The Contractor will get its installation inspected by the Assistant Electrical Inspector of State Government and obtain a certificate for energisation of the installation.

20.4.3.7 The Contractor will employ Electricians having valid Electrical Licence for carrying out the installations as well as for maintenance.
20.4.3.8 The Contractor will provide proper facilities to the Employer or his authorised representative for inspecting his temporary electrical installation as and when required. The Contractor will immediately attend to the defects so pointed out during this inspection including replacement of faulty cables, switches etc.

20.4.3.9 The Contractor shall not effect any change in the temporary installation unless permission is obtained from the Employer or his authorised representative.

20.4.3.10 The Contractor shall be responsible for all damages, losses, etc., due to fire or otherwise if it is due to the Contractor’s negligence, improper installation, operation and / or maintenance of Contractor’s part of installations.

20.4.4 Structural Load Test

The Contractor shall carry out structural load test on any part of the building / structure at its own cost if such structural load test is warranted due to unsatisfactory test results of concrete cubes and if so directed by the Employer.

20.4.5 Royalties for the Construction Materials

20.4.5.1 Royalties for the construction materials, e.g., sand, stone aggregates, boulders, moorum etc. as prescribed from time to time by the State Government shall be recovered from the bills of the Contractor and paid to the State Government by the Employer if there is a demand from statutory authorities in this regard. All Mining regulations have to be strictly adhered to by the Contractor when Quarries are allotted to the Contractor. However, the Contractor shall submit necessary documentary evidence that the Contractor has paid the royalties directly to the statutory authorities at source.

20.4.5.2 The Contractor shall submit to the Employer a monthly statement indicating the various materials stated above extracted from Quarries, river beds and other sources.

20.4.6 Explosives

20.4.6.1 In case explosives are required for blasting of hard rock, the same shall be arranged by the Contractor at its own cost. Fulfilment of statutory obligations shall be the responsibility of the Contractor. The Contractor shall transport the same to the site in an Explosive Van as per the statutory regulations, at its own cost.

20.4.6.2 The Contractor shall engage only the licensed blasters and comply with all Statutory regulations.

21. Procurement

21.1 Plant & Equipment, Structures, Refractories, Spares, Tools & Tackles, First fill of Lubricants, etc.
21.1.1 Subject to Sub-Clause 14.2 hereof, the Contractor shall manufacture or procure and transport all the plant and equipment, structures, refractories, spares, tools & tackles, first-fill of lubricants, etc., in an expeditious and orderly manner to the Site. The Contractor shall deliver plant & equipment, structures, refractories, spares, tools & tackles, first-fill of lubricants, etc., in the logical sequence required for erection at site as per Sub-Clause 11.7.2 hereof.

21.1.2 The Contractor shall obtain the necessary prior approval from the Employer for carrying out the fabrication work at Employer’s site. The Contractor shall also indicate the area of land required for carrying out such fabrication work.

21.2 Import Licence & Export Licence

21.2.1 Import Licence

In case of requirement of any import license, the same shall be arranged by the Employer and the Contractor shall provide necessary assistance.

21.2.2 Export Licence

The Contractor, if required for execution of Contract, shall obtain and maintain the necessary Export Licence from the competent authorities and shall pay at his cost any fee connected therewith. Failure to obtain and maintain Export Licences shall not be considered as Force Majeure. In case the Contractor fails to obtain or maintain the licences, or if the licences are withdrawn, he shall restore them within two months from the date of such cancellation / withdrawal, failing which the Employer shall have the right to cancel the Contract and the Contractor shall forthwith return to the Employer all the amounts paid by the Employer to the Contractor.

21.3 Packing, Identification And Markings

21.3.1 The Contractor shall include and provide for securely protecting and packing the materials so as to avoid loss or damage during handling & transport by air, sea, rail and road.

21.3.2 All packing shall allow for easy removal and checking at site. Special precaution shall be taken to prevent rusting of steel and iron parts during transit by sea. Gas seals or other materials shall be adopted by the Contractor for protection against moisture during transit.

21.3.3 The number of each package in a shipment shall be shown in fraction, numerator showing number of the particular package and the denominator showing the total number of packages in a lot / consignment. The packages number shall be generally prepared in the sequence in which they will be required for erection.
21.3.4 Each package delivered under the Contract shall be marked by and at the expense of the Contractor and such marking must be distinct and in English language (all previous irrelevant markings being carefully obliterated). Such marking shall show the description and quantity of contents, the name and address of consignee, the gross weight and net weight of the package, the name of the Contractor with a distinctive number of mark sufficient for purposes of identification. All markings shall be carried out with numbers. Each bale or package shall contain a packing note quoting specifically the name of the Contractor, the number and date of contract and name of the office placing the Contract, nomenclature of the stores and include a schedule of parts for each complete equipment giving the part numbers with reference to the assembly drawing & the quantity of each part, drawings nos. & tag nos.

21.3.5 Besides wherever necessary, packing shall bear a special marking “TOP”, “BOTTOM”, “DO NOT TURN OVER”, “KEEP DRY”, “HANDLE WITH CARE”, etc.

21.3.6 All packing cases, containers, packing and other similar materials shall be new and supplied free by the Contractor and same will not be returned unless otherwise stated in the Contract.

21.3.7 Notwithstanding anything stated in this clause, the Contractor shall be entirely responsible for loss, damage or depreciation or deterioration to the materials & supplies due to faulty and / or insecure packing.

21.3.8 One copy of respective standard manufacturer’s erection instruction / operation instruction manual shall be kept in each package / container for immediate reference.

21.4 Transportation

Except as provided in the Clause 21.4.1 hereof, the Contractor shall be entitled to select any safe mode of transport operated by any person to carry the Plant & Equipment, Structures, Refractories, Spares, Tools & Tackles, First fill of Lubricants, etc.

21.4.1 Transportation by Ship

21.4.1.1 The Contractor shall be free to transport the equipment/material through any shipping agency of international repute.
21.4.1.2 The Bills of Lading should be drawn so as to show:

**SHIPPERS** Any shipping agency of international repute

**CONSIGNEE** Steel Authority of India Limited  
BHILAI Steel Plant  
Bhilai – 490001  
Dist.: Durg  
CHHATISGARH, INDIA  
Telephone No.+91(788) ...............  
Fax No. +91(788)

Email: ----------------------------

PORT OF DISCHARGE - [Contractor to indicate]

21.4.1.5 The Contractor shall forward the non-negotiable copies of the Bills of Lading indicating the gross freight amount and rebate allowed to Shipping Co-ordination Officer, Ministry of Transport, Department of Surface Transport, New Delhi immediately after the shipment of each consignment (Plant & Equipment, Structures, Refractories, Spares, Tools & Tackles, First fill of Lubricants, etc.) is effected.

21.4.2 Air Consignments

21.4.2.1 The Contractor shall be free to airfreight the equipment/material through any Air Line of International repute.

21.4.2.2 The consignee for air freighting shall be clearly marked as given below:

Steel Authority of India Limited  
BHILAI Steel Plant  
Bhilai-490001  
Dist.: Durg  
CHHATISGARH, INDIA  
Telephone No. +91(788) ...............  
Fax No. +91(788)

Email: ----------------------------

21.4.3 Transportation by Wagons

21.4.3.1 In case of despatch of consignment (plant & equipment, structures, refractories, spares, tools & tackles, first fill of lubricants, etc.) in Railway wagons, the Contractor shall ensure that the following is observed by the Contractor and their Sub-contractors:
Projects

i) Identify, place necessary indents on the Railways and obtain at the appropriate time the correct type of wagons required, keeping in view the consignments to be despatched.

ii) In case of over dimensioned (O.D.) consignments, the Contractor shall obtain the sanction for movement of the O.D. Consignment from the Railways.

iii) Non-availability of special wagon or handling the consignments shall not be an excuse for payment of demurrage and if so shall be to the Contractor's account.

iv) Care being taken to avoid all possible chances of damages during transit and to ensure that all packages are firmly secured.

v) The destination shall be indicated in SCC.

21.4.3.2 The RR / Challans duly endorsed by the Engineer or Authorised representative of the Employer, will be handed over to the Contractor for taking delivery of consignments (Plant & Equipment, Structures, Refractories, Spares, Tools & Tackles, First fill of Lubricants, etc.) from Railway unloading the same from wagons and subsequent handling, transportation and storage at site after submission of custody-cum-indemnity bond in the form provided in the Bidding Document or in another form acceptable to the Employer. The demurrage charges, if any, will be payable by the Contractor.

21.4.3.3 The consignee for rail despatches shall be clearly marked as given below:

Steel Authority of India Limited
BHILAI Steel Plant
Bhilai— 490001
Dist.:Durg
CHHATISGARH, INDIA
Telephone No. +91(788) …………………
Fax No. +91(788)
Email: ……………………………………

21.4.4 Transportation by Road

21.4.4.1 In case of the consignments (Plant & Equipment, Structures, Refractories, Spares, Tools & Tackles, First fill of Lubricants, etc.) despatched by road, the Contractor shall ensure that the following is observed by the Contractor and the Sub-contractors:
Projects

i Identify and obtain the correct type of trucks / trailers, keeping in view the nature of consignments to be despatched.

ii Care being taken to avoid all possible chances of damages during transit to ensure that all packages are firmly secured.

iii All consignments despatched by road shall be on “Door Delivery” and freight paid basis.

21.4.4.2 The RR / Challans duly endorsed by the Engineer or Authorised representative of the Employer, will be handed over to the Contractor for taking delivery of consignments from Trucks, unloading the same from Trucks and subsequent handling, transportation & storage at site after submission of Custody-cum-Indemnity Bond in the form provided in the Bidding Document or in another form acceptable to the Employer. The demurrage charges, if any, will be payable by the Contractor.

21.4.4.3 The consignee for road despatches shall be clearly marked as given below:

Steel Authority of India Limited
BHILAI Steel Plant
Bhilai— 490001
Dist.: Durg
CHHATISGARH, INDIA
Telephone No. +91(788) …………………..
Fax No. +91(788)
Email: ……………………………

21.4.4.4 Upon each dispatch / shipment of the plant and equipment, structures, refractories, spares, tools & tackles, first-fill of lubricants, etc., the Contractor shall notify the Employer by telex, cable, or facsimile of the description of the plant & equipment, structures, refractories, spares, tools & tackles, first-fill of lubricants, etc. and of the Contractor’s Equipment, the point and means of dispatch / shipment, and the estimated time and point of arrival. The Contractor shall furnish the Employer with relevant shipping documents to be agreed upon between the parties.

21.4.5 Shipping Documents for imported Plant & Equipment, Structures, Refractories, Spares, Tools & Tackles, First fill of Lubricants, etc.

21.4.5.1 The Overseas associates of the Contractor shall send the following shipping documents through Banks to the Employer:

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Project Directorate
Page 181 of 254
General Conditions of Contract
SAIL
May 2007
a) Three (3) original and 6 (six) copies of clean Bill of Lading or one (1) clean Airway Bill / House Airway Bill & 3 (three) copies, in case of air freight.

b) One (1) original & five (5) copies of Contractor’s signed Invoices.

c) Six (6) copies of Packing List.


e) Six (6) copies of Inspection Certificate/ inspection Waiver/ Despatch Clearance, issued by the Engineer / Employer’s Authorised Representative.

f) Six (6) copies of certificate from the Contractor to the effect that drawings and catalogues for Customs clearance purpose have been kept with the packages for shipment.

g) Six (6) copies of Manufacturer’s Guarantee / Warranty / Quality Test Certificate.

h) Proof of Insurance.

i) Six (6) copies of Certificate from the Overseas Contractor to the effect that the contents in each case are not less than that entered in the Invoices and Packing Lists and the Quality of Plant & Equipment, Structures, Refractories, Spares, Tools & Tackles including first fill of lubricants, etc., are guaranteed as new and as per the relevant Technical Specifications.

21.4.5.2 The Overseas associates of the Contractor shall send the documents as listed above, in one set, to the Employer at the address given in the SCC.

21.4.5.3 The Overseas associates of the Contractor shall send:

By Captain’s Mail:
- Bill of Lading (two copies)
- Shipping Specification (one copy)

With the Cargo:
- Quality Certificate (one copy)
- Packing List six (6) copies comprises two (2) copies in case No. 1 of each consignment and four (4) copies in each case (three inside the Box and one copy in a special packet at the outer side of the Box).

21.4.6 Despatch Documents for Transportation of Plant & Equipment, Structures, Refractories, Spares, Tools & Tackles, First fill of Lubricants, etc., by Wagon & Road
21.4.6.1 The Contractor shall arrange to despatch the following documents to the Employer at the address given in the SCC.

a) Six (6) photo copies of the clean rail / lorry receipt.

b) Six (6) copies of Contractor’s signed invoice.

c) Six (6) copies of Challan and Packing List.

d) Six (6) copies of Inspection Certificate/ inspection Waiver/ Despatch Clearance, issued by the Engineer / Employer’s Authorised Representative.

e) Six (6) copies of manufacturer’s test certificate.

21.5 The Contractor shall be responsible for obtaining, if necessary, approvals from the authorities for transportation of the Plant and Equipment. The Employer shall use its best endeavours in a timely and expeditious manner to assist the Contractor in obtaining such approvals, if requested by the Contractor. The Contractor shall indemnify and hold harmless the Employer from and against any claim for damage to roads, bridges or any other traffic facilities that may be caused by the transport of the Plant and Equipment to the Site.

21.6 Customs Clearance

21.6.1 The Contractor shall provide all assistance in the payment of the Customs Duties to be paid by the Employer.

21.6.2 The Customs paid documents shall be handed over to the Contractor by the Employer for Port clearance and Customs clearance and taking delivery of consignments from Port, subsequent handling, transportation and storage at site, against submission of the Custody-cum-Indemnity Bond for full value of supplies in the form provided in the Bidding Document or in another form acceptable to the Employer.

21.6.3 The demurrage / Port charges, if any, on account of the delay in unloading the materials / Port clearance, due to reasons attributable to the Contractor, shall be borne and paid by the Contractor.

22. Installation

22.1 Setting out

22.1.1 Bench Mark : The Contractor shall be responsible for the true and proper setting-out of the Facilities periodically in relation to bench marks, reference marks, check lines and levels provided to it in writing by or on behalf of the Employer.
22.1.2 If, at any time during the progress of installation of the Facilities, any error shall appear in the position, level or alignment of the Facilities, the Contractor shall forthwith notify the Engineer of such error and, at its own expense, immediately rectify such error to the reasonable satisfaction of the Engineer.

22.2 **Contractor's Supervision**: The Contractor shall give or provide all necessary superintendence during the installation of the Facilities, and the Contractor's Representative or its deputy shall be constantly on the Site to provide full-time superintendence of the installation. The Contractor shall provide and employ only technical personnel who are skilled and experienced in their respective discipline and supervisory staff who are competent to adequately supervise the work at hand.

22.3 **Labour**

22.3.1 The Contractor shall provide and employ on the Site in the installation of the Facilities such skilled, semi-skilled and unskilled labour as is necessary for the proper and timely execution of the Contract.

22.3.2 The Contractor shall at all times during the progress of the Contract use its best endeavours to prevent any unlawful, riotous or disorderly conduct or behaviour by or amongst its employees & labour and labour of its Sub-Contractors / Vendors.

22.3.3 The Contractor shall, in all dealings with its labour and the labour of its Subcontractors employed on or connected with the Contract, pay due regard to the laws and regulations pertaining to the employment of labour.

22.3.3.1 **Labour Rules**

22.3.3.1 In respect of all labour directly or indirectly employed on the works by the Contractor, the Contractor shall comply with and implement all the Provisions of the Contract Labour (Regulation and Abolition) Act 1970, or any amendment thereof, and all legislations and Rules of the State and / or Central Government or other local authority formed from time to time governing the protection of health, sanitary arrangements, wages, welfare and safety of labour employed on the works and the Contractor shall be deemed to the Principal Employer for this purpose. The rules and other statutory obligations with regard to fair wages, welfare and safety measures, maintenance of register, etc., will be deemed to be part of the Contract. The Contractor will get itself registered with the concerned statutory authorities as provided in the Act and shall be directly responsible of the authorities thereunder for compliance with the provisions
thereof.

22.3.3.2 **Provision of Minimum Wages Act and Payment of Wages**

22.3.3.2.1 The Contractor shall comply with the provisions and procedures of State Government’s minimum wages Act 1948 the payment of Wages Act 1936 or any other rules made thereunder by the State Government concerned in respect of all employees employed by the Contractor or its Sub-Contractor(s) directly or indirectly for the purpose of carrying out the works. The Contractor shall pay employees wages not less than the minimum rates of wages, if any, fixed by the State Government from time to time.

22.3.3.2.2 In respect of labour employed by the Contractor or its Sub-Contractor on the works the Contractor shall provide at its own cost reasonable amenities for securing proper working and living condition such as water supply, lavatories, bathing place, cleanliness, etc. Where a women labour is employed urinals, lavatories will be provided separately by the Contractor for female workers as well as crèches for the infant children of women labourers. Labourers engaged on hazardous jobs and occupations, will be provided with necessary safety appliances by the Contractor(s) free of charges.

22.3.3.2.3 The Contractor’s / Sub-Contractor’s establishment will be subject to inspection, investigation, etc., by the Employer or its representative for assuring proper and faithful compliance of the provisions of the Contract by the Contractor (so with regard to the implementations of labour laws & other matters anticipated herein. The Contractor / Sub-Contractors shall abide by the decisions and orders of the Employer with regard to any such matter and furnish if required, necessary compliance.

22.3.3.2.4 In the event of retrenchment of workers by the Contractor or Sub-Contractors employed by the Contractor during or after the completion of Facilities the retrenchment compensation and other benefits will be paid by the Contractor to the workers as per the Industrial Dispute Act.
22.3.3.2.5 If any money shall, as a result of any claim of application made under the said acts, be directed to be paid by the Employer, such money shall be deemed to be money payable to the Employer by the Contractor and / or failure by the Contractor to repay the Employer, and money paid by the Employer as aforesaid, latest within 30 days after the same shall have been demanded from the Contractor, the Employer shall be entitled to recover the same from any money due or accruing to the Contractor under this or any other Contract with the Employer, failing which such amount shall be considered as debt due from the Contractor to the Employer.

22.3.3.2.6 The Contractor shall comply with the provisions of by-partite and tripartite agreement entered into by the Employer from time to time with Labour Union and / or the circulars issued by the Employer regarding payment of minimum wages and benefits applicable.

22.3.3.2.7 The Contractor shall strictly comply the statutory rules and regulations in respect of working hours of female labourers at site.

22.3.3.3 Reporting of Accidents

The Contractor shall be responsible for the safety of its own and its Sub-Contractors’ workmen and employees. All accidents at site are to be immediately reported to the required authorities. The Contractor shall be responsible for all such accidents.

22.3.3.4 Provision of Workmen's Compensation Act

22.3.3.4.1 The Contractor shall be liable for in respect of any damages or compensation payable by law in respect of or in consequences of any accident or injury to any workmen or other person in the employment of the Contractor or any of its Sub-Contractors and the Contractor shall save harmless and shall indemnify and keep indemnified the Employer against all such damages and compensation and against all claims, demands, proceedings, costs, charges and expenses, whatsoever, in respect thereof or in relation thereto.

The Contractor shall at all times indemnify and keep indemnified the Employer against all claims for compensation under the provisions of the Workmen’s Compensation Act 1923 (VIII of 1923) or any other law for the time being in forces by or in respect of any workmen employed by the Contractor or its Sub-Contractors / agencies in carrying out the Contract and against all costs and expenses or penalties incurred by the Employer in connection therewith. In every case in which by virtue of the provisions of Section-12, Sub-Section(1) of the Workmen's Compensation Act 1923, the Employer is obliged to pay compensation to a workmen
employed by the Contractor or its Sub-Contractors / agencies, the amount of compensation so paid and without prejudice to the rights of the Employer under Section-12, Sub-Section(2) of the said Act, the Employer shall be at liberty to recover such amount or any part thereof from the security deposit or from the sums due or to become due to the Contractor (whether under this Contract or any other Contract).

22.3.3.4.2 The Employer shall not be bound to contest any claim made against him under Section-12, Sub-Section (1) of the said Act, except on the written request of the same or his Sub-Contractors / agencies and upon their giving to the Employer full security for all costs for which the Employer might become liable in consequence of contesting such claims.

22.3.3.5 Provisions of Apprentices Act

The Contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued thereunder from time to time. If Contractor fails to do so, his failure may be treated as breach of the Contract and the Employer may, in its discretion, terminate the Contract. The Contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

22.3.3.6 Labour Returns

The Contractor shall submit periodical statements of labour employed by the Contractor in the proforma prescribed by the Employer / concerned labour authorities.

22.3.3.7 Labour Camps

The Contractor shall, at its own expense, make adequate arrangements for housing, electricity, road, supply of drinking water and provision of lavatories and urinals for its staff and labour, disposal of sewerage and sludge and for temporary crèche (bal mandir) where 50 or more women are employed at a time.
22.3.3.8 **Preservation of Peace**

The Contractor shall take requisite precautions and use its best endeavour to prevent riotous or unlawful behaviours by, or amongst his workmen and / or others employed on the works, by the Contractor its Sub-Contractors and for the preservation of peace and protection of the inhabitants and security of the property in the neighbourhood of the works / site. In the event of the Employer requiring the maintenance of a special police force at or in the vicinity of the site during the tenure of the Contract in consequence of the riotous or unlawful behaviour by, or amongst the Contractor’s or its Sub-Contractor’s workmen and / others employed by the Contractor / Sub-Contractors, all expenses thereof and costs of all damages due to such riotous or unlawful behaviour shall be borne by the Contractor and if paid by the Employer, shall be recoverable from the Contractor from any money due or that may become due to the Contractor by the Employer.

22.3.3.9 **Payment of Wages**

22.3.3.9.1 The Contractor shall make regular and prompt payment of wages to the labour engaged in the work and in no case shall the payment be delayed more than seven days following the period for which the wages are due. The Contractor shall send a certificate to the Employer to this effect every month. If it is found that workers are not paid regularly, the Contract is liable to be terminated.

22.3.3.9.2 The Employer shall have the right to enquire into and decide against any complaint alleging that the wages paid by the Contractor to any labour for the work done by such labour is less than the wages paid for similar work in the neighbourhood.

22.3.3.9.3 As a number of Contractors may be working at the same time in the erection of different parts of the Facilities, there is need for pursuance of a co-ordinated policy in regard to employment, wages and other conditions of work. The Contractor shall consult the Employer on all such matters to arrive at mutually agreed settlements.

22.3.3.10 **Sanitary Arrangements**

The Contractor shall comply with all sanitary rules in force and carry out all sanitary measures and permit inspection of all sanitary arrangements at all reasonable times by the Employer and or Statutory Authorities.
22.3.3.11 Infectious Diseases

The Contractor shall employ such persons as are found to be free of contagious diseases and shall produce if required by the Employer, certificate of fitness of all his employees working at site. The Contractor shall, if required by the Employer, subject all its employees to regular medical check up and produce satisfactory evidence of their being free from any contagious disease.

The Contractor shall remove from its labour camp such labour and their families who refuse protective inoculations and vaccination when called upon to do so by any competent authority.

22.3.3.12 Medical Facilities at Site

The Contractor shall provide first aid medical facilities at the site as per rules in force in relation to the strength of the Contractor’s staff and workmen deployed at site.

22.3.3.13 Use of Intoxicants

The use or sale of ardent spirits or other intoxicating beverages, upon the works or in any of the building, boarding houses, encampments or other tenements owned, occupied by or within the control of the Contractor or any of its employees or its Sub-Contractor is strictly forbidden and the Contractor shall secure strict compliance.

22.3.3.14 Age Limits of Labour

The Contractor shall not employ for the purpose of the work, any person below the age as its statutorily forbidden. The Employer shall have the right to refuse to allow any labour, whom the Employer considers to be underaged to be employed by the Contractor. The Contractor shall submit periodical statements of labour employed by the Contractor to the Employer.

22.3.3.15 Provident Fund

The Contractor shall be solely responsible for deduction and contributions under the Employees Provident Fund and Family Pension Act, 1952 and the scheme made thereunder as amended from time to time. The Contractor shall be solely responsible for the maintenance of records for payment of contributions and submission of returns in accordance with the said act and scheme.
In case the Contractor fails to make payments under the above Act and the scheme made thereunder and as amended from time to time, the Employer reserves the right to make such payment on behalf of the Contractor on demand from the authorities under the Act and recover the same from the payments due to the Contractor. Further, the Contractor shall indemnify and keep indemnified the Employer against any loss or damage whatsoever that may be suffered by the Employer as a result of any claims, damages, penalties for any failure, non-compliance on his part with the provisions of the aforesaid Act and the scheme framed thereunder.

22.3.16 **Observance by Sub-Contractors**

The Contractor shall also be responsible for the compliance of all the above clauses by his Sub-Contractor(s)

22.3.4 **CONTRACT LABOUR RULES**

22.3.4.1 The Contractor will get himself registered with the concerned statutory authorities as provided in the Act and shall be directly responsible to the authorities for compliance with the provisions thereof and SAIL – BSP shall have no relation of Employer and Employee for contractual worker / labour.

22.3.4.2 The Contractor shall also maintain all records/register/return/cards such as:

(a) Register of workmen employed by Contractor
(b) Employment Card
(c) Muster Roll
(d) Register of wages-cum-muster roll
(e) Submission of Return

22.3.5 **COMPLIANCE WITH STATUTORY LAWS AND OTHER REGULATIONS OF GOVT. / LOCAL AUTHORITY**

All statutory / labour rules of Govt./local authorities as applicable at BSP, BHILAI site shall be strictly followed by Contractor. Contractor shall indemnify Employer against any such implication.

The following Acts with latest amendment thereof shall be complied with by the Contractor:

- Contract Labour Act (Regulation and Abolition Act, 1970
- Minimum Wages Act, 1948
- Payment of Wages Act, 1936
- Workmen Compensation Act, 1923.
- Factories Act, 1948
Projects

22.4 **Contractor’s Equipment**

22.4.1 The Contractor shall mobilise himself with adequate material handling equipment like mobile & tower cranes, forklifts, trailers etc. in addition to other erection tools & consumables keeping in view the erection schedule. The Contractor shall provide within 60 days from the Effective Date of Contract its scheme for mobilisation with Bar Chart indicating clearly the resources, manpower and machinery proposed to be deployed to ensure timely completion of work and quality of workmanship. On request, the Employer may help the Contractor by providing any special handling / construction equipment needed in the interest of work subject to availability and on payment of hire charges and other conditions of Employer. The Employer has very limited resources of construction equipment. Cranes will be provided depending on availability on chargeable basis. This will not have contractual obligation on the Employer and no claim of the Contractor shall be entertained if the Employer is not able to provide the Construction equipment of any type/capacity.

Debit shall be raised on eight hours shift basis or on four hour slab basis including the marching time from and to the workshop on requisition in the prescribed format. The charges shall be recovered from any bill of the Contractor due immediately thereafter.

22.4.2 All Contractor’s Equipment brought by the Contractor onto the Site shall be deemed to be intended to be used exclusively for the execution of the Contract. The Contractor shall not remove the same from the Site without the Engineer’s consent that such Contractor’s Equipment is no longer required for the execution of the Contract.

22.5 **Site Regulations and Safety**

22.5.1 As the works under the Contract are to be carried out within the Protected area, the Contractor shall abide by all the security regulations promulgated from time to time by the Employer / other concerned authorities.

22.5.2 The Contractor shall comply with the Site regulations, during the execution of the Contract at the Site, as given under the Chapter “Safety in Contract Works” (IPSS in Steel Industry).
22.5.2.1 Such Site regulations includes, but not limited to, rules in respect of security, safety of the Facilities, gate control, sanitation, medical care, and fire prevention.

22.5.3 The employees / labour of the Contractor / Sub-Contractor and Plant & Equipment brought to Site shall be subject to gate pass to be issued by Security Department or the respective Department.

22.5.3.1 Preparation of gate pass normally takes around 10 days time. The Contractor / Sub-Contractor shall plan their programme in advance accordingly.

22.5.3.2 All representatives and workers of the Contractors / Sub-Contractors shall possess admit pass issued by the Security Department on the recommendation of the Employer. Employer shall have the right to refuse the admit pass to any workers or representatives without assigning any reasons.

22.5.3.3 The Contractor shall ensure that gate pass issued to their workers / representatives / Sub-Contractors by the Employer are not misused by unauthorised persons for entry in the plant area or in specified area inside the plant. It shall amount to breach of rules and regulations regarding entry into a prohibited place by the Contractors in case any admit pass issued on their demand is found to be misused by unauthorised person.

22.6 **Erection**

22.6.1 The Contractor shall provide all temporary ladders, scaffolding materials, platforms, supports and other necessary facilities required for handling, erection, testing and visual inspection of supplies at the point of installation and shall also provide necessary packing plates, wedges, shims, levelling screws etc., required for erection of equipment and structures.

22.6.2 The Contractor shall return to the Employer all crates, packing cases and packing materials and all returnable supplies at a place and manner designated by the Employer.

22.6.3 The Contractor shall provide erection consumables like oxygen and acetylene gas, welding rods, solder lugs, oil, grease, kerosene, cotton waste, etc., required for erection of plant equipment and steel structures.

22.6.4 The Contractor shall construct and maintain its own site offices and stores as required for the work and arrange for maintaining in neat manner of the area placed at the Contractor's disposal. The temporary allotment of land for the purpose of site office, stores and temporary works for execution of Contract, shall be on the following terms:
22.6.4.1 Land will be allotted free of charge for the purpose of site office, stores and fabrication yard.

22.6.4.2 The allotment shall remain valid till the period of Contract and shall automatically cease after expiry of the Defect Liability period of the Contract. The validity shall also automatically cease on termination of Contract due to any reason whatsoever.

22.6.4.3 The Contractor may build only temporary structures on the land allotted to the Contractor.

22.6.4.4 The land shall not be used for any purpose other than the purpose for which it is allotted.

22.6.4.5 The allotment is made purely for the present work and is not transferable in any manner either in whole or in part nor can it be utilised for the purpose of any other Contract.

22.6.4.6 On completion of the work and expiry of the Defect Liability period, the Contractor shall remove all temporary structures built by the Contractor and restore the land to its original condition.

22.6.4.7 After the completion of the works and on expiry of the Defect Liability period or on termination of Contract, the Contractor shall give vacant possession of the land.

22.6.4.8 If the Contractor fails to give vacant possession of the land as aforesaid in its original condition, the Employer reserves the right to withhold payment of Contractor's bills till handing over of the vacant possession of the land. Besides, the Contractor shall be liable to pay compensation for such unauthorised occupation of land.

22.6.4.9 The Employer shall determine the amount of compensation to be paid by the Contractor in this respect and such determination shall be final and binding on the Contractor. The amount of compensation shall be realised from the Contractor forthwith and / or adjusted without any notice from the bills of the Contractor and / or from dues payable by the Employer to the Contractor.

22.6.4.10 The Contractor, prior to taking possession of the land, shall give a written declaration that the Contractor is not in possession of any other land prior to this allotment.

22.6.5 The Contractor shall provide sufficient fencing, notice boards and lights to protect and warn others as may be considered necessary by the Employer / Consultant. All materials used for providing these facilities shall be properties of the Contractor.
22.6.6 All guarantees and test certificates obtained by the Contractor during the execution of work shall be transferred to the Employer before issue of Preliminary Acceptance Certificate.

22.6.7 The Plant, Equipment & structures will be erected by the Contractor as per the instructions of the equipment suppliers and under the supervision of the supervisory personnel to be deputed by the Contractor at site with the approval of Employer. The Contractor shall use to the maximum extent of pre-assembly and mechanisation in order to fulfil erection and construction targets.

22.6.8 The Contractor shall align, level and couple and securely fix all equipment, steel structures, appurtenances and accessories in accordance with drawings and / or instructions. All precision survey instruments including levelling instruments, theodolite, etc., shall be arranged by the Contractor at its own cost.

22.6.9 The Contractor, at its own cost, shall procure and carry out flushing and filling of oil, lubricants, greases, chemicals during Start up and commissioning.

22.6.10 Laying and termination of cables, bus bars, bus ducts, lightning protection and earthing shall be done by the Contractor.

22.6.11 The Contractor shall be responsible for protection and / or diversion of underground and all existing overground services, wherever required and / or diversion of the underground services which are indicated in the drawing made available to the Contractor. In case there are underground services which need to be protected and / or diverted but are not shown in the drawing, the Contractor shall be responsible to execute the same at extra price, if any, to be mutually agreed in advance between Contractor & Employer.

22.6.12 The Contractor shall undertake all non-destructive tests like ultrasonic / radiographic testing and stress relieving of butt welded joints as required.

22.6.13 Grouting of the equipment and steel structures on the foundations with approved non-shrink-grouting compound shall be the responsibility of the Contractor. The grouting materials shall be supplied by the Contractor.

22.7 Emergency Work
If, by reason of an emergency arising in connection with and during the execution of the Contract, any protective or remedial work is necessary as a matter of urgency to prevent damage to the Facilities, the Contractor shall immediately carry out such work. If the Contractor is unable or unwilling to do such work immediately, the Employer may do or cause such work to be done as the Employer may determine that it is necessary in order to prevent damage to the Facilities.

In such event the Employer shall, as soon as practicable after the occurrence of any such emergency, notify the Contractor in writing of such emergency, the work done and the reasons therefor. If the work done or caused to be done by the Employer is work that the Contractor was liable to do at its own expense under the Contract, the reasonable costs incurred by the Employer in connection therewith shall be paid by the Contractor to the Employer. Otherwise, the cost of such remedial work shall be borne by the Employer.

22.8 **Site Clearance**

22.8.1 Site Clearance in Course of Performance: In the course of carrying out the Contract, the Contractor shall keep the Site reasonably free from all unnecessary obstruction, store or remove any surplus materials, clear away any wreckage, rubbish or temporary works from the Site, and remove any Contractor's Equipment no longer required for execution of the Contract.

22.8.2 Clearance of Site after Completion: After Completion of all parts of the Facilities, the Contractor shall clear away and remove all wreckage, rubbish, debris and surplus material of any kind from the Site, and shall leave the Site and Facilities clean and safe.

22.9 **Lighting, Fencing and Watching**

The Contractor shall provide and maintain at its own expense all lighting, fencing, and watching when and where necessary within battery limit for the proper execution and the protection of the Facilities, or for the safety of the owners and occupiers of adjacent property and for the safety of the public.

22.10 **Work at Night and on Holidays**

As and when the Engineer considers it necessary to carry out work on extended hours / three shift basis or on Public Holidays so as to meet the Time for Completion and request the Contractor to carry out work on three shifts or on Public Holidays, the Contractor shall carry out the work accordingly to meet the Time of Completion.
22.11 The Contractor shall carry out final painting of the erected Plant & Equipment and Steel Structures etc., as per the instructions stipulated in the Technical Specification.

23. Test and Inspection

23.1 The Contractor shall at its own expense carry out at the place of manufacture and / or on the Site all such tests and / or inspections of the Plant and Equipment and any part of the Facilities as are specified in the Contract.

23.2 The Engineer or his designated representative(s) shall be entitled to attend the aforesaid test and / or inspection, provided that the Employer shall bear costs and expenses incurred in connection with such attendance including, but not limited to, all travelling and board and lodging expenses.

No equipment/material shall be despatched without inspection as per approved quality assurance plan (QAP) unless waived by the Employer or without despatch clearance issued by Employer. Inspection may be carried out by Employer’s authorised representative/third party agency (to be appointed by Employer). At least two (2) weeks prior notice shall be given by the Contractor for carrying out inspection at manufacturer’s / supplier’s premises. All cost / expenses incurred in carrying out inspection and tests at manufacturer’s / supplier’s premises shall be borne and paid by the Contractor. All inspection facilities, gadgets, instruments, testing equipment, utilities and man-power, etc. for carrying out inspection at manufacturer’s/supplier’s premises shall be provided by the Contractor at no extra cost to the Employer.

23.3 Whenever the Contractor is ready to carry out any such test and / or inspection, the Contractor shall give a fourteen (14) days advance notice of such test and / or inspection and of the place and time thereof to the Engineer. The Contractor shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Engineer or his designated representative(s) to attend the test and / or inspection.

23.4 The Contractor shall provide the Engineer with a certified report of the results of any such test and / or inspection.

If the Engineer or his designated representative(s) fails to attend the test and / or inspection, or if it is agreed between the parties that such persons shall not do so, then the Contractor may proceed with the test and / or inspection in the absence of such persons, and will provide the Engineer with a certified report of the results thereof.
23.5 If any Plant and Equipment or any part of the Facilities fails to pass any test and / or inspection, the Contractor shall either rectify or replace such Plant and Equipment or part of the Facilities and shall repeat the test and / or inspection upon giving a notice under **Sub-Clause 23.3** hereof.

23.6 The Contractor shall afford the Engineer, at the Employer's expense, access at any reasonable time to any place where the Plant and Equipment are being manufactured or the Facilities are being installed to inspect the progress and the manner of manufacture or installation, provided that the Engineer shall give the Contractor a reasonable prior notice.

23.7 The Contractor confirms that neither the execution of a test and / or inspection of Plant and Equipment or any part of the Facilities, nor the attendance by the Employer or the Engineer, nor the issue of any test certificate or waiver certificate pursuant to **Sub-Clause 23.4** hereof, shall **relieve** the Contractor from any of its responsibilities under the Contract.

23.8 No part of the Facilities or foundations shall be covered up on the Site without the Contractor carrying out any test and / or inspection required under the Contract. The Contractor shall give a reasonable notice to the Engineer whenever any such part of the Facilities or foundations are ready or about to be ready for test and/ or inspection; such test and / or inspection and notice thereof shall be subject to the requirements of the Contract.

23.9 The Contractor shall uncover any part of the Facilities or foundations, or shall make openings in or through the same as the Engineer may from time to time require at the Site, and shall reinstate and make good such part or parts.

24. **Preliminary Acceptance**

24.1 On completion of erection of the Facilities by the Contractor, trial runs for individual equipment / units shall be conducted by the Contractor to prove that the Facilities have been supplied and erected as per Contract and after erection, Facilities are fit for start up and commissioning.

Trial runs shall be so designed to conduct the systematic check of the components and of the functional operation thereof. Trial runs shall comprise idle, no-load and under-load trial runs.

Trial runs shall be conducted by the Contractor under its sole responsibility and employing its own personnel. The Employer’s supervisory personnel and skilled operating personnel shall, however, witness the trial runs.

On successful completion by the Contractor of trial runs and liquidation of the defects and / or deficiencies, indicated / listed by the Employer to the Contractor during trial runs
(except minor defects and / or deficiencies which in the opinion of the Employer will not affect the operation, safety & commissioning of the Facilities), the Contractor shall so notify the Employer in writing for conducting integrated trial runs.

24.2 On receipt of the notice from the Contractor for conducting integrated trial runs, the Employer, if required, shall deploy the necessary operating and maintenance personnel, raw materials, utilities & services as per Clause 7 hereof. However, the Contractor shall supply commissioning spares and oil & lubricants required for initial fill including flushing liquor & chemicals for pickling as per Clause 7 hereof.

24.3 As mutually agreed between the Contractor and the Employer after the operating and maintenance personnel have been deployed by the Employer and raw materials, utilities & services have been provided by the Employer in accordance with Sub-Clause 24.2 hereof, the Contractor shall conduct Pre-Commissioning including integrated trial runs of the Facilities, in preparation for Commissioning.

24.3.1 In case of Facilities involving operation at high temperature, trial runs on individual equipment / units and integrated trial runs shall be conducted in cold condition.

24.4 As soon as all works in respect of integrated Pre-Commissioning are completed and the Facilities are ready for Commissioning, the Contractor shall so notify the Engineer in writing.

24.5 The Engineer shall, within fourteen (14) days after receipt of the Contractor’s notice under Sub-Clause 24.4 hereof, either issue a Preliminary Acceptance Certificate (PAC) stating that the Facilities are fit for start-up and commissioning, as at the date of the Contractor’s notice under Sub-Clause 24.4 hereof, or notify the Contractor in writing of any defects and / or deficiencies.

If the Engineer notifies the Contractor of any defects and / or deficiencies, the Contractor shall then correct such defects and / or deficiencies, and shall repeat the procedure described in Sub-Clause 24.4 hereof.

If the Engineer is satisfied that the defects and / or deficiencies, indicated / listed by the Employer to the Contractor have been liquidated and the Facilities are fit for start-up and commissioning, the Engineer shall, within seven (7) days after receipt of the Contractor’s repeated notice, issue a Preliminary Acceptance Certificate stating that the Facilities are fit for start-up and commissioning, as at the date of the Contractor’s repeated notice.
Projects

If the Engineer is not so satisfied, then the Employer shall notify the Contractor in writing of any defects and/or deficiencies within seven (7) days after receipt of the Contractor’s repeated notice, and the above procedure shall be repeated.

24.6 As soon as possible, after issue of Preliminary Acceptance Certificate, the Contractor shall complete all outstanding defects and/or deficiencies so that the Facilities are fully in accordance with the requirements of the Contract, failing which the Employer will undertake such completion and deduct the costs thereof from any money owing to the Contractor.

25. Commissioning

25.1 After the issue of Preliminary Acceptance Certificates, the Contractor shall start-up and commission the Facilities in accordance with provisions and terms of Contract Technical specification.

The Employer shall supply the operating and maintenance personnel and all raw materials, utilities & services required for commissioning. However, the Contractor shall supply commissioning spares and oil, grease, lubricants & chemicals required for commissioning as per Sub-Clause 7.4.2 and 7.4.4 hereof.

25.2 The Contractor shall conduct commissioning test and establish sixty six percent (66)% of the guaranteed production capacity within the contractual completion period specified in the Article 5 of the Contract Agreement.

25.3 The Commissioning Certificate shall be issued by the Employer subject to the following:

a) Commissioning test to establish a level of output not less than sixty six percent (66%) of the Guaranteed Production Capacity or as specified in Contract Technical Specification within the contractual completion period indicated in Sub-Clause 1.1 of the Appendix-2, has been successfully completed and the quality of materials produced and other parameters are as per Technical Specifications.

b) The Contractor has submitted all final drawings & documents for the respective Facilities in accordance with the provisions of this Contract as given in Appendix-2.

c) The Contractor to the satisfaction of the Employer, has met all the objections / observations, if any, contained in the Preliminary Acceptance Certificate.
d) Upon fulfilment of above condition, the Contractor will apply to the Employer to issue the Commissioning Certificate. Within 14 days of receipt of Contractor’s application, Employer will issue the Commissioning Certificate.

25.4 In the event of delay in conducting the commissioning test for reasons attributable to the Employer for more than 60 (sixty) days beyond contractual completion period specified in the Appendix-2, the Contractor shall receive payment as per Sub-Clause 2.1.5 of Appendix-3, against Bank Guarantee of equal value.

In case of delay beyond six months for conducting the commissioning test for reasons attributable to the Employer, the conducting of commissioning test and its commercial implication, if any, shall be mutually finalized between the parties.

25.5 The Bank Guarantee submitted by the Contractor as per Sub-Clause 25.4 hereof, shall be returned by the Employer to the Contractor as soon as Commissioning Certificate has been issued, at the latest, however, on the expiry of 12 months from the date of release of payment against Commissioning Certificate.

26. Taking Over

26.1 Taking over of the Plant will be carried out from the date of the date of commissioning mentioned in the Commissioning Certificate. After the date of commissioning the Employer shall provide consumables and shall be responsible for the care & custody of the Facilities together with the risk of loss or damage thereto, and shall thereafter take over the Facilities.

26.2 The Employer shall have the right to take possession or use any completed or partially completed work. Such possession or use shall not be deemed to be an acceptance of any work done not in accordance with the Contract. However, any damage to such work solely due to such provision or use shall be to the Employer’s account.

27. Performance Guarantee Test

27.1 The Contractor shall guarantee that during the performance guarantee test, the Facilities and all parts thereof shall attain the performance guarantee parameters specified in Appendix-5 to the Contract Agreement, subject to and upon the conditions specified therein.

27.2 If, for reasons not attributable to the Employer, the performance guarantee parameters specified in Appendix-5 to the Contract Agreement, are not met either in whole or in part, the Contractor shall at its cost and expense make such changes, modifications and / or additions to the Facilities or any part thereof as may be necessary to meet performance guarantee parameters. The Contractor shall
notify the Employer upon completion of the necessary changes, modifications and/or additions, and shall request the Employer to allow the Contractor to repeat the performance guarantee test so as to establish the performance guarantee parameters.

27.3 If, for reasons not attributable to the Employer, the performance guarantee parameters specified in Appendix-5 to the Contract Agreement are not attained either in whole or in part, after first campaign of performance guarantee test as per Sub-Clause 27.2 hereof, the Contractor shall at its own cost make good any deficiencies and the Contractor shall be allowed by the Employer to repeat the performance guarantee tests twice after first campaign of guarantee test and the Contractor should establish the performance guarantee parameters within a period of six months from the date of commissioning certificate as indicated in Appendix-5.

27.4 In case the Contractor expresses its inability to achieve the performance guarantee parameters but attains above the minimum acceptance level of performance guarantee parameters, as specified in Appendix-5, either in whole or in part in spite of repeated performance guarantee tests conducted by the Contractor within a period of six (6) months from the date of commissioning, the Employer shall recover the amount of Liquidated Damages, but not by way of penalty, by making deductions from the Contractor’s account or by encashment of Contractor’s Bank Guarantees (submitted by the Contractor as per Sub-Clause 13.1.2 hereof), up to a maximum of seven and half percent (7.5%) of the Contract Price plus escalation, if any, excluding taxes and duties, in respect of the failure to meet the minimum level of performance guarantees in accordance with the provisions in Appendix-5 to Contract Agreement.

In case, even after all possible repairs and replacements the Contractor fails to attain the minimum level of performance guarantee parameters, the Employer may reject the Facility and recover the entire cost paid to the Contractor or alternatively the Employer may proceed for commercial settlement with the Contractor for acceptance of the Facilities at the negotiated Price.

The employer shall not reject the plant & equipment after commissioning and achievement of minimum PG parameters. After successful commissioning and achievement of the minimum Performance Guarantee Parameters, the total liability of the Contractor on account of delay and demonstration of maximum PG parameters will not be more than Liquidated Damages.
27.4.1 In case, the Contractor is a Consortium, the Employer shall recover the amount of Liquidated Damages, but not by way of penalty, by making deductions from the account of each member of Consortium, or by encashment of their Bank Guarantees as per **Sub-Clause 27.4** hereof, up to maximum of seven and half percent (7.5%) of the Contract Price plus escalation, if any, excluding taxes and duties of the respective Scope of Facilities as specified in **Sub-Clause 7.11.1** hereof. However, each member of Consortium, shall be jointly and severally bound to the Employer for paying Liquidated Damages to the Employer.

28. **Final Acceptance**

28.1 Final Acceptance shall occur in respect of the Facilities when:

a) the performance guarantee tests have been successfully completed and the guaranteed output and other parameters are met by the Contractor, or

   the amount of Liquidated Damages specified in **Sub-Clauses 27.4 & 27.4.1** hereof, if recoverable, has been recovered by the Employer from the Contractor.

b) items mentioned in **Sub-Clause 24.6** hereof relevant to the Facilities or that part thereof have been completed.

c) the Contractor has fulfilled all the obligations under the Contract.

28.2 At any time after the events set out in **Sub-Clause 28.1** hereof, have occurred, the Contractor may give a notice to the Engineer requesting for the issue of Final Acceptance Certificate (FAC) in respect of the Facilities specified in such notice as at the date of such notice.

28.3 The Engineer shall, after consultation with the Employer and within seven (7) days after receipt of the Contractor’s notice, issue a Final Acceptance Certificate.

28.4 In case, the performance guarantee test has not been carried out for reasons attributable to the Employer within a period of six month from the date of commissioning mentioned in Commissioning Certificate, the Contractor shall receive payment towards Performance Guarantee as per **Sub-Clause 2.1.6 of Appendix-3**, against Bank Guarantee of equal value to be valid for a period of 12 (twelve) months beyond aforesaid six (6) months period and conducting of the Performance Guarantee Tests and its commercial implications, if any, shall be mutually finalized between the parties.
In case Bank Guarantee is submitted as per **Sub-Clause 28.4** hereof, by the Contractor then the same shall be returned to the Contractor as soon as the performance guarantee test is successfully completed and the guaranteed output and other parameters are met, at the latest, however, on expiry of twelve (12) months from the date of release of payment against Commissioning Certificate.

**F. GUARANTEES AND LIABILITIES**

29. **Completion Time Guarantee**

29.1 The Contractor guarantees that it shall attain “Completion of the Facilities” as defined in Clause 1, within the Time for Completion as specified in the **Article-5** of the Contract Agreement pursuant to **Sub-Clause 8.1** hereof, or within such extended time to which the Contractor shall be entitled under **Clause 42** (Extension of Time for Completion) hereof.

29.2 **Liquidated Damages due to Delay in “Completion of the Facilities”**

29.2.1 If the Contractor fails to attain Completion of the Facilities as defined in **Clause 1** hereof, within the Time for Completion or any extension thereof under **Clause 42** (Extension of Time for Completion) hereof, due to reasons not attributable to the Employer, the Employer shall recover the amount of Liquidated Damages, but not by way of penalty, by making deductions from the Contractor’s account or by encashment of Contractor’s Bank Guarantees at the rate of 0.5% of the Contract Price plus escalation, if any, excluding taxes & duties per complete week of delay up to a maximum of 5% of the Contract Price plus escalation, if any, excluding taxes & duties.

29.2.2 In case, the Contractor is a Consortium, the Employer shall recover the amount of Liquidated Damages, but not by way of penalty, by making deductions from the account of each member of Consortium, or as a last resort by encashment of their Bank Guarantees hereof, up to a maximum of 5% of the Contract Price plus escalation, if any, excluding taxes & duties of the respective Scope of Facilities as specified in **Sub-Clause 7.11.1** hereof. However, each member of Consortium shall be jointly and severally bound to the Employer for paying Liquidated Damages.

29.2.3 Such payment shall completely satisfy the Contractor’s obligation to attain Completion of the Facilities within the Time for Completion or any extension thereof under **Clause 42** hereof.
29.2.4 However, the payment of liquidated damages shall not in any way relieve the Contractor from any of its obligations to complete the Facilities or from any other obligations and liabilities of the Contractor under the Contract.

29.2.5 Save for Liquidated Damages payable under this Sub-Clause 29.2 hereof, the failure by the Contractor to attain any milestone or other act, matter or thing by any date specified in Appendix-2 (Time Schedule) to the Contract Agreement and / or other program of work prepared pursuant to Clause 18 (Program of Performance) hereof, shall not render the Contractor liable for any loss or damage thereby suffered by the Employer.

29.2.6 The aggregate ceiling on Liquidated damages due to delay in completion of facilities and for non-fulfilment of Performance Guarantee parameters in accordance with the Contract shall be limited to 10% (ten percent) of the Contract Price plus escalation, if any, excluding taxes & duties.

29.2.7 Any recovery of Liquidated damages shall be effected from the amount payable to the Contractor against, issuance of Commissioning Certificate (Payment to be made pursuant to Sub-clause 2.1.5 of Appendix-3), Performance Guarantee Test (payment to be made pursuant to Sub-clause 2.1.6 of Appendix-3), Final Acceptance Certificate (payment to be made pursuant to Sub-clause 2.1.7 of Appendix-3) and Performance Bank Guarantee (submitted by the Contractor pursuant to Sub-clause 13.2, if that becomes necessary). Liquidated Damages will not be recovered from the running bills prior to above payments.

29.3 Bonus for Completion of the Facilities before Time Schedule

If the Contractor attains Completion of the Facilities before the Time for Completion or any extension thereof under Clause 42 hereof, the Employer shall pay to the Contractor a bonus at the rate of 0.5% of the Contract Price plus escalation, if any, excluding taxes and duties per complete fortnight ahead of Time Schedule up to a maximum of 2.5% of the Contract Price plus escalation, if any, excluding taxes and duties subject to the condition that the Employer is able to operate the Facilities gainfully on regular basis.

30. Defect Liability

30.1 The Contractor shall warrant that the Facilities or any part thereof shall be free from defects in the design, engineering, materials and workmanship of the Plant and Equipment, Structures & Refractories supplied and of the work executed.
30.2 The Defect Liability Period shall be twelve (12) months from the date of commissioning mentioned in the Commissioning Certificate as per Clause 25 hereof or eighteen (18) months from the date of Preliminary Acceptance Certificate (PAC) as per Clause 24 hereof, whichever is earlier, provided the delay in commissioning after PAC is not due to reasons attributable to the Contractor.

If during the Defect Liability Period any defect be found in the design, engineering, materials and workmanship of the Plant & Equipment Structures and Refractories supplied or of the work executed by the Contractor, the Contractor shall promptly, in consultation and agreement with the Employer and at its cost, repair, replace or otherwise make good such defect as well as any damage to the Facilities caused by such defect.

30.3 The Employer shall give the Contractor a notice stating the nature of any such defect together with all available evidence thereof, promptly following the discovery thereof. The Employer shall afford all reasonable opportunity for the Contractor to inspect the defect.

30.4 The Employer shall afford the Contractor all necessary access to the Facilities and the Site to enable the Contractor to perform its obligations under this Clause 30 hereof.

The Contractor may, with the consent of the Employer and after submission of Bank Guarantee for the equivalent cost of Plant & Equipment, remove from the Site any Plant and Equipment or any part of the Facilities that are defective if the nature of the defect, and / or any damage to the Facilities caused by the defect, is such that repairs cannot be expeditiously carried out at the Site. In case of defective parts not repairable at Site but become essential in the mean time for the commercial use of the plant, the Contractor shall replace at Site free of cost to the Employer, the defective parts, before the defective parts are removed from the Site.

30.5 If the repair, replacement or making good is of such a character that it may affect the efficiency of the Facilities or any part thereof, the Employer may give to the Contractor a notice requiring that tests of the defective part of the Facilities shall be made by the Contractor immediately upon completion of such remedial work, whereupon the Contractor shall carry out such tests.
If such part fails the tests, the Contractor shall carry out further repair, replacement or making good (as the case may be) until that part of the Facilities passes such tests. The tests shall be agreed upon by the Employer and the Contractor. If the Contractor does not commence the rectification either by repair or replacement of such defects within 30 (thirty) days from the date of notice by the Employer or does not complete the rectification with reasonable diligence and within a reasonable time, the Employer may, at its option, rectify the defects at the Contractor’s expense. The Employer shall, in such case, deduct from payment due to the Contractor the expenses incurred by the Employer for remedy of such defects without prejudice to the other rights of the Employer under the Contract.

30.6 If the Contractor fails to commence the work necessary to remedy such defect or any damage to the Facilities caused by such defect within a reasonable time which shall in no event be considered to be less than fifteen (15) days, the Employer may, following notice to the Contractor, proceed to do such work, and the reasonable costs incurred by the Employer in connection therewith shall be paid to the Employer by the Contractor or may be deducted by the Employer from any money due to the Contractor or claimed under the Performance Bank Guarantee.

30.7 If the Facilities or any part thereof cannot be used by reason of such defect and / or making good of such defect, the Defect Liability Period of the Facilities or such part, as the case may be, shall be extended by a period equal to the period during which the Facilities or such part cannot be used by the Employer because of any of the aforesaid reasons.

30.8 Except as provided in this clause (Clause 30) and Clause 35 (Loss of or Damage to Property / Accident or Injury to Workers / Indemnification) hereof, the Contractor shall be under no liability whatsoever and howsoever arising, and whether under the Contract or at law, in respect of defects in the Facilities or any part thereof, the Plant and Equipment, design or engineering or work executed that appear after Completion of the Facilities or any part thereof, except where such defects are the result of the gross negligence, fraud, criminal or wilful action of the Contractor.

30.9 In addition, the Contractor shall also provide an extended warranty for any such replaced or repaired component of the Facilities for the period of minimum 12 months but not more than 60 months cumulatively or as it may be stipulated in Contract Technical Specifications. Such obligation shall be in addition to the defect liability specified under Clause 30 hereof.
31. Patent Indemnity

31.1 The Contractor shall, subject to the Employer's compliance with Sub-Clause 31.2 hereof, indemnify and hold harmless the Employer and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of whatsoever nature, including attorney's fees and expenses, which the Employer may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright or other intellectual property right registered or otherwise existing by reason of: (a) the installation of the Facilities by the Contractor; and (b) the sale of the products produced by the Facilities in any country.

In such as event, the Contractor shall be entitled to replace the parts of the plant in question with parts which do not infringe or violate any standard patent, utility model, registered design, trade mark copy right or other intellectual property right of third parties.

Such indemnity shall not cover any use of the Facilities or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, any infringement resulting from the use of the Facilities or any part thereof, or any products produced thereby in association or combination with any other equipment, plant or materials not supplied by the Contractor, pursuant to the Contract Agreement.

31.2 If any proceedings are brought or any claim is made against the Employer arising out of the matters referred to in Sub-Clause 31.1 hereof, the Employer shall promptly give the Contractor a notice thereof, and the Contractor may at its own expense and in the Employer's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

If the Contractor fails to notify the Employer within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Employer shall be free to conduct the same on its own behalf at the risk & cost of the Contractor.

The Employer shall, at the Contractor's request, afford all available assistance to the Contractor in conducting such proceedings or claim, and shall be reimbursed by the Contractor for all expenses incurred in so doing.
31.3 The Employer shall indemnify and hold harmless the Contractor and its employees, officers and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of whatsoever nature, including attorney’s fees and expenses, which the Contractor may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided by the Employer.

32. Limitation of Liability

32.1 Except in cases of criminal negligence or wilful misconduct,

a) the Contractor shall not be liable to the Employer, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligations of the Contractor including payment of Liquidated Damages by the Contractor to the Employer and

b) the aggregate liability of the Contractor to the Employer, whether under the Contract, in tort or otherwise including the cost of repairing or replacing defective equipment, shall not exceed the 100% (Hundred Percent) of the Contract Price including escalation, provided that this limitation shall not apply to any obligation of the Contractor to indemnify the Employer with respect to copyright, patent infringement, workman compensation (Sub-Clause 22.3.3.4.1 hereof) and criminal misconduct.

G. RISK DISTRIBUTION

33. Transfer of Ownership

33.1 The title of ownership of Imported plant & equipment, structures, refractories, tools & tackles, first fill of lubricants and all other goods (including spare parts) whose prices in the Contract are indicated in Foreign Currency, shall be transferred to the Employer after loading on FOB port of shipment basis as per Incoterms, 2000 with amendments if any w.r.t. FOB terms.

33.2 The title of ownership and property for indigenous Plant & Equipment, Structures, Refractories, spares, tools & tackles, first fill of lubricants, etc. shall pass on to the Employer after the Contractors have effected the despatch of same to the Employer or the Contractors have effected the sale, in course of transit, as per Section 6(2) of the Central Sales Tax Act 1956 and the Contractors have prepared necessary documentation for handing over the same to Employer’s
Projects

authorised representative.

33.3 The property of Plant & Equipment, Structures, Refractories, spares, tools & tackles, first fill of lubricants, etc. issued to the Contractors under Bailee Agreement / Bond is vested with the Employer all the time till erection, commissioning and completion of Performance Guarantee Tests as per the terms and conditions of the Contract.

33.4 The transfer of title to ownership for the steel structural work (fabricated at site) including glazing & sheeting, civil construction work and refractory work under this Contract shall pass on to the Employer on its accretion on payments of works contract tax in the State of Chhatisgarh.

33.5 Notwithstanding the transfer of ownership of the Plant and Equipment, the responsibility for care and custody thereof together with the risk of loss or damage thereto shall remain with the Contractor pursuant to Clause 34 (Care of Facilities) hereof, until Commissioning of the Facilities in which such Plant & Equipment, Structures and Refractories are incorporated.

34.1 The Contractor shall be responsible for the care and custody of the Facilities or any part thereof until the date of commissioning mentioned in the Commissioning Certificate as per Clause 25 hereof, and shall make good at its own cost any loss or damage that may occur to the Facilities or the relevant part thereof from any cause whatsoever during such period. The Contractor shall also be responsible for any loss or damage to the Facilities caused by the Contractor or its Sub-Contractors in the course of any work carried out, pursuant to Clause 30 (Defect Liability) hereof. Notwithstanding the foregoing, the Contractor shall not be liable for any loss or damage to the Facilities or that part thereof caused by reason of any of the matters specified or referred to in paragraphs (a), & (b) of Sub-Clause 34.2 & Sub-Clause 40.1 hereof.

34.2 If any loss or damage occurs to the Facilities or any part thereof by reason of:

a) any use or occupation by the Employer or any third party (other than a Sub-Contractor) authorised by the Employer.

b) any use of or reliance upon any design, data or specification provided by or on behalf of the Employer, or any such matter for which the Contractor has disclaimed responsibility herein,
the Employer shall pay to the Contractor all sums payable in respect of the Facilities executed, notwithstanding that the same be lost, destroyed or damaged. If the Employer requests the Contractor in writing to make good any loss or damage to the Facilities thereby occasioned, the Contractor shall make good the same at the cost of the Employer in accordance with Clause 41 the Contractor in writing to make good any loss or damage to the Facilities thereby occasioned, the Employer shall either request a change in accordance with Clause 41 (Change in the Facilities) hereof, excluding the performance of that part of the Facilities thereby lost, destroyed or damaged, or, where the loss or damage affects a substantial part of the Facilities, the Employer shall terminate the Contract pursuant to Sub-Clause 44.1 (Termination for Employer’s Convenience) hereof., except that the Contractor shall have no entitlement to profit in respect of any unexecuted Facilities as at the date of termination.

34.3 With respect to any loss or damage caused to the Facilities or any part thereof by reason of any of the matters specified in Sub-Clause 40.1 hereof, the provisions of Sub-Clause 40.3 hereof, shall apply.

35. Loss of or Damage to Property; Accident or Injury to Workers; Indemnification

35.1 Subject to Sub-Clause 35.2 hereof, the Contractor shall indemnify and hold harmless the Employer and its employees from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of whatsoever nature, including attorney’s fees and expenses, in respect of the death or injury of any person or loss of or damage to any property (other than the Facilities whether accepted or not), arising in connection with the supply and installation of the Facilities and by reason of the negligence of the Contractor or its Subcontractors, or their employees, or agents, except any injury, death or property damage caused by the negligence of the Employer, its employees, or agents.

35.2 If any proceedings are brought or any claim is made against the Employer that might subject the Contractor to liability under Sub-Clause 35.1 hereof, the Employer shall promptly give the Contractor a notice thereof and the Contractor may at its own expense and in the Employer’s name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

If the Contractor fails to notify the Employer within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Employer shall be free to conduct the same on its own behalf at the risk of the Contractor.
The Employer shall, at the Contractor's request, afford all available assistance to the Contractor in conducting such proceedings or claim, and shall be reimbursed by the Contractor for all expenses incurred in so doing.

36. Insurance

36.1 The Contractor shall take out a composite and comprehensive Marine-cum-Erection Insurance Policy with a Nationalised Indian Insurance Company which shall cover total erected value of the Facilities (115% of Contract price excluding the design & engineering and supervision services price, training) and all risks specifically inclusive of the following. The policy shall be taken at least 15 days before the start of site activity or first despatch, whichever is earlier.

However, instead of taking a composite and comprehensive Marine – cum – Erection Insurance Policy, the contractor may also take separate insurance policies for transit covering both imported and indigenous items and storage – cum – erection. The insurance policies may also be taken from the following private Indian insurance companies –
- M/s Bajaj Allianz General Insurance Co. Ltd.,
- M/s ICICI Lombard General Insurance Co. Ltd.
- M/s IFFCO- Tokio General Insurance Co. Ltd.

The policies as above are to be taken from the same branch of the concerned insurance company.

36.1.1 All Risk Insurance: The policy shall cover all risks and escalations, and revisions without ceiling.

36.1.2 Imported Cargo Insurance: For imported supplies, the policy shall cover all goods from FOB supply point, i.e., from the point of loading on ships at a foreign port till completion of erection and commissioning.

36.1.2.1 The policy shall cover the imported goods on replacement basis, i.e., inclusive of escalations, if any, payable to the foreign suppliers of the Contractor and / or exchange rate fluctuations and / or fluctuations in Ocean Freight, Customs Duty, clearing and forwarding charges, inland freight, etc. The Contractor shall ensure that the insurance company shall pay the replacement/repair value of such imported consignments (in the required currency) required to be replaced/repairsd (for which Employer’s decision shall be final) within 15 days of lodging of the claim so as to ensure that supplies are not held up.

36.1.3 Indigenous Cargo Insurance: For indigenous supplies, the policy shall insure the goods originating in India from the Contractor’s / Supplier’s warehouse to Plant’s warehouse and up to completion of erection and commissioning. This will be inclusive of supplies to and from warehouse / factory of intermediate processors / suppliers. This policy will also cover the replacement items, if any.
36.1.4 Third Party Liability Insurance:

The policy shall cover third party liability. The third party liability shall cover the loss / disablement of human life (persons not belonging to the Contractor) and also cover the risk of damages to others’ materials / equipment / properties during construction, erection and commissioning at site. The value of third party liability for compensation for loss of human life or partial / full disablement shall be of required statutory value but not less than Rs. 2 lakh per death, Rs. 1.5 lakh per full disablement and Rs. 1 lakh per partial disablement and shall nevertheless cover such compensation as may be awarded by a Court of Law in India or abroad and cover for damage to others’ equipment / property as approved by the Employer.

36.1.5 Automobile Liability Insurance:

Covering use of vehicles / mobile equipment used by the Contractor or its Sub-Contractors (whether or not owned by them) in connection with the execution of the Contract.

36.1.6 Contractor shall ensure that where applicable, its Sub-Contractor(s) shall take out and maintain in effect adequate insurance policies for their personnel and vehicles and for work executed by them under the Contract, unless such Sub-Contractors are covered by the policies taken out by the Contractor.

36.1.7 The Employer shall be the principal beneficiary of the policy along with the Contractor. Sub-Contractors of the Contractor shall not be holders or beneficiaries in the policy nor shall they be named in the policy. Employer reserves the exclusive right to assign the policy.

36.1.8 While the payment of premium may be phased in agreement with the insurance company, at no time shall goods and services required to be provided by the Contractor shall remain uninsured.

36.1.9 A copy of the ‘Marine-cum-Erection’ Insurance policy shall be made available to the Employer latest fifteen (15) days before start of site activities or first despatch, whichever is earlier and policy shall be kept alive and valid at all times up to date of commissioning mentioned in the Commissioning Certificate as per Clause 25 hereof.

36.1.10 The Employer reserves the right to take out whatever policy that is deemed necessary by him if the Contractor fails to keep the said policy alive and valid at all times and / or causes lapses in payment of premium thereby jeopardising the said policy. The cost of such policy(s) shall be recovered / deducted from the amount payable to the Contractor.
36.1.11 The Contractor while taking out such ‘Marine-cum- Erection’ policy shall avail the best premium rates with the maximum discounts available.

36.1.12 In cases where the erection, modification etc., are to be carried out in the existing shop of the Employer the ‘surrounding value’ shall be intimated by the Employer to the Contractor, who shall ensure that this value is included in the policy.

36.1.13 The policy shall ensure that the Employer’s decision regarding replacement of goods damaged, lost or rendered unusable shall be final.

36.1.14 Marine & Transit Insurance policies shall also cover:

- Institute Cargo Clause ‘A’
- Institute War Clauses
- Institute Strikes Clauses
- Ware House to Ware House

36.1.15 In case project gets delayed due to reasons not attributable to Contractor, the actual expenditure incurred by Contractor for additional Insurance Premium towards extension of insurance policies shall be reimbursed by the Employer.

36.2 Upon arrival of plant and Equipment / materials at site the Contractor shall assume custody thereof and remain responsible thereafter for safe custody until the whole plant is successfully commissioned.

36.3 In order to adequately cover the works under such composite and comprehensive insurance, the Contractor shall fulfil the necessary requirements / obligations which will inter-alia include the following:

36.3.1 Adequate fire-fighting equipment and extinguishing agents of sufficient capacity and quantity must always be available at site and kept ready for immediate use.

36.3.2 Sufficient number of workmen must be fully trained in the use of such equipment and must be available for immediate intervention at all times.

36.3.3 For storage of materials and equipment for the construction and erection work, storage must be subdivided into storage units and the distance between such storage units shall be as acceptable to the Insurance Company. All inflammable materials and especially all inflammable liquids and gases must be stored at a sufficient large distance from the property under construction or erection and from any hot work.
36.3.4 Welding, soldering or the use of an open flame in the vicinity of combustible material is only permitted if at least one workman suitably equipped with extinguishers and well trained in fire-fighting is present.

36.3.5 At the beginning of preliminary acceptance test & pre-commissioning of Plant & Equipment all fire-fighting facilities must be rechecked thoroughly.

36.3.6 Observation of all safety rules and regulations.

36.4 The Contractor shall arrange Accident Insurance Policy for all his personnel including foreign Experts / Specialists / Personnel deputed to site and Contractor’s / his subcontractors’ manufacturing works as well as for his Indian engineers & supervisory staff. The Contractor shall also take out for his Indian workmen a separate policy as per Workmen’s Compensation Act.

36.5.1 The details of consignment along with its value and vessel's name and other shipping particulars shall be intimated to the Employer by the Contractor by cable / telex immediately after shipment of the consignment. Cable / telex shall be as per specimen given below:

STEEL AUTHORITY OF INDIA LIMITED: FAX

STEEL PLANT: TELEX

ATTENTION ENGINEER

REF OUR CONTRACT NO. ___________ DATED ___________

FOR

(NAME OF THE FACILITIES)

NUMBER OF CASES ___________ WEIGHING _______ Kgs

VALUE ___________ FOB SHIPPED PER ___________ (NAME OF VESSEL)

FROM _______________________ (PORT)

TO _______________________ (PORT)

VIDE BILL OF LADING NO. ___________________ DATED ___________

36.5.2 The Contractor shall intimate by Cable / Telex / Fax to the Underwriter in India giving the above particulars within 72 hours from the date of shipment with a copy to Employer and Port clearing officer.
36.6 In all cases, the Contractor shall lodge the claims with the Underwriters and also settle the claims. However, the Contractor shall proceed with the repairs and / or replacement of the equipment / components without waiting for the settlement of the claims. In case of seizure of materials by concerned authorities, the Contractor shall arrange prompt release against bond, security or cash as required. Employer will extend all assistance to the Contractor in such a case.

36.7 All the insurance claims shall be processed by the Contractor and the items which are missing / damaged in transit or during handling, storage, erection and commissioning, shall be replaced / repaired by them without any extra cost to the Employer and without affecting the time for completion.

37.1 If the Contractor does not execute the Facilities in accordance with the time schedule stipulated in the Appendix-2 and shall neglect to execute the Facilities with due diligence or expedition or shall refuse or neglect to comply with any reasonable order given to the Contractor in writing by the Employer in connection with the Facilities or shall contravene the provisions of Contract, the Employer may give notice in writing to the Contractor to make good the failure, neglect or contravention complained of within such time as may be deemed reasonable by the Employer and in default of compliance with the said notice, the Employer without prejudice to its rights under Clause 37.2 hereof, may rescind or cancel the Contract holding the Contractor fully liable for the damages that the Employer may sustain including all amounts paid to the Contractor by the Employer for all such Facilities which may become infructuous due to such cancellation.

37.2 Should the Contractor fail to comply with such notice within the period as mentioned in the notice or any other period considered reasonable by the Employer for such compliance, from the date of serving thereof, then and in such case, without prejudice to the Employer's right under Clause 37.1 hereof, the Employer shall have at its option the right to take the affected Facilities wholly or in part out of the Contractor's hands and may complete the Facilities, as envisaged in the Contract either departmentally or by awarding fresh Contract(s) to any other person or firm or company to execute the same, at the risk and cost of the Contractor.
37.3 In such event the Employer shall, without being responsible to the Contractor for wear and tear to the same, be entitled to seize and take possession and use all materials, construction equipment, tools, tackles and other things of the Contractor which may be at the site for use at any time in connection with the Facilities to the exclusion of any right of the Contractor over the same and the Employer shall be entitled to retain and apply any sum which may otherwise be then due as per the Contract or any other Contract from the Employer to the Contractor as may be necessary for the payment of the cost of execution of such Facilities as aforesaid.

37.4 If the cost of executing the Facilities as aforesaid shall exceed the sum due to the Contractor and the Contractor fails to make good the deficit within the specified period, the Employer shall have the right to lien over the said materials, tools, tackles, construction plant or other things and properties of the Contractor as may not have been used up in the completion of the Facilities, and may be sold by the Employer after serving due notice to the Contractor and such proceeds applied towards the adjustment of such difference and the cost of incidentals to such sale. Any outstanding balance existing after crediting the proceeds of such sale shall be paid by the Contractor on the demand of the Employer, but when all expenses, cost and charges incurred in the completion of the Facilities are paid by the Contractor, all such materials, tools, tackles, construction plant or other things not used in the completion of the Facilities and remaining unsold shall be removed by the Contractor with the written permission of the Employer.

38. Change in Laws and Regulations

38.1 If, after Effective Date of Contract Agreement, any law, regulation, ordinance, order or by-law having the force of law is enacted, promulgated, abrogated or changed (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the costs and expenses of the Contractor as per Sub-Clause 11.7.2 hereof, the Contract Price shall be correspondingly increased or decreased.

39. Force Majeure

39.1 “Force Majeure” shall mean any event beyond the control of the Employer or of the Contractor, as the case may be, and which is unavoidable notwithstanding the reasonable care of the party affected, and shall include, without limitation, the following:

a) war, hostilities or warlike operations (whether a state of war be declared or not), invasion, act of foreign enemy and civil war.
b) rebellion, revolution, insurrection, mutiny, usurpation of
civil or military government, conspiracy, riot, civil
commotion and terrorist acts.

c) strike, sabotage, unlawful lockout, epidemics, quarantine
and plague.

d) earthquake, fire, flood or cyclone, or other natural or
physical disaster.

39.2 If either party is prevented, hindered or delayed from or in
performing any of its obligations under the Contract by an
event of Force Majeure, then it shall notify the other in writing
of the occurrence of such event and the circumstances
thereof within 14 days after the occurrence of such event.

39.3 The party who has given such notice shall be excused from
the performance or punctual performance of its obligations
under the Contract for so long as the relevant event of Force
Majeure continues and to the extent that such party's
performance is prevented, hindered or delayed. The Time for
Completion shall be extended in accordance with Clause 42
(Extension of Time for Completion) hereof.

39.4 The party or parties affected by the event of Force Majeure
shall use reasonable efforts to mitigate the effect thereof
upon its or their performance of the Contract and to fulfil its or
their obligations under the Contract, but without prejudice to
either party's right to terminate the Contract under Sub-
Clauses 39.6 and 40.5 hereof.

39.5 Any delay or non-performance by either party hereto caused
by the occurrence of any event of Force Majeure shall not
a) constitute a default or breach of the Contract

b) (subject to Sub-Clauses 34.2, 40.3 and 40.4 hereof)
give rise to any claim for damages or additional cost or
expense occasioned thereby

if and to the extent that such delay or non-performance is
caused by the occurrence of an event of Force Majeure.

39.6 If the performance of the Contract is substantially prevented,
hindered or delayed for a period of more than ninety (90)
days on account of Force Majeure during the currency of the
Contract, the parties will develop a mutually satisfactory
solution.

40. 
War Risks

40.1 “War Risks” shall mean any event specified in paragraphs (a)
and (b) of Sub-Clause 39.1 hereof.

40.2 Notwithstanding anything contained in the Contract, the
Contractor shall have no liability whatsoever for or with
respect to
b) destruction of or damage to property of the Employer or any third party

c) injury or loss of life

if such destruction, damage, injury or loss of life is caused by any War Risks, and the Employer shall indemnify and hold the Contractor harmless from and against any and all claims, liabilities, actions, lawsuits, damages, costs, charges or expenses arising in consequence of or in connection with the same.

40.3 If the Facilities or any Plant & Equipment, Structures and Refractories shall sustain destruction or damage by reason of any War Risks, the Employer shall pay the Contractor for

a) any part of the Facilities or the Plant & Equipment, Structures and Refractories so destroyed or damaged (to the extent not already paid for by the Employer) so far as may be required by the Employer, and as may be necessary for completion of the Facilities.

b) replacing or making good any such destruction or damage to the Facilities or the Plant and Equipment or any part thereof.

If the Employer does not require the Contractor to replace or make good any such destruction or damage to the Facilities, the Employer shall either request a change in accordance with Clause 41 (Change in the Facilities) hereof, excluding the performance of that part of the Facilities thereby destroyed or damaged or, where the loss, destruction or damage affects a substantial part of the Facilities, shall terminate the Contract, pursuant to Sub-Clause 44.1 (Termination for Employer’s Convenience) hereof.

40.4 Notwithstanding anything contained in the Contract, the Employer shall pay the Contractor for any increased costs or incidentals to the execution of the Contract that are in any way attributable to, consequent on, resulting from, or in any way connected with any War Risks, provided that the Contractor shall as soon as practicable notify the Employer in writing of any such increased cost.

40.5 If during the performance of the Contract any War Risks shall occur that financially or otherwise materially affect the execution of the Contract by the Contractor, the Contractor shall use its reasonable efforts to execute the Contract with due and proper consideration given to the safety of its and its Subcontractors’ personnel engaged in the work on the Facilities, provided, however, that if the execution of the work on the Facilities becomes impossible or is substantially prevented for a period of more than ninety (90) days on account of any War Risks, the parties will develop a mutually
satisfactory solution.

**H. CHANGE IN CONTRACT ELEMENT**

41. **Change in the Facilities**

41.1 The Employer shall have the right to propose, and subsequently order the Contractor from time to time during the performance of the Contract to make any change, modification, addition or deletion to, in or from the Facilities (hereinafter called “Change”), provided that such Change falls within the general scope of the Facilities and does not constitute unrelated work and that it is technically practicable, taking into account both the state of advancement of the Facilities and the technical compatibility of Change envisaged with the nature of the Facilities as specified in the Contract.

41.2 Notwithstanding **Sub-Clauses 41.1 hereof**, no change made necessary because of any default of the Contractor in the performance of its obligations under the Contract shall be deemed to be a Change, and such change shall not result in any adjustment of the Contract Price or the Time for Completion.

41.3 If the Employer proposes a Change pursuant to **Sub-Clause 41.1 hereof**, it shall send to the Contractor a “Request for Change Proposal,” requiring the Contractor to prepare and furnish to the Engineer as soon as reasonably practicable a “Change Proposal,” which shall include the following:

(a) brief description of the Change
(b) effect on the Time for Completion
(c) estimated cost of the Change
(d) effect on Functional Guarantees (if any)
(e) effect on any other provisions of the Contract.

41.4 The pricing of any Change shall, as far as practicable, be calculated in accordance with the rates and prices included in the Contract. If such rates and prices are inequitable, the parties thereto shall agree on specific rates for the valuation of the Change.

41.5 Upon receipt of the Change Proposal (any major change not within the general scope of facilities), the Employer and the Contractor shall mutually agree upon all matters therein contained. Within fourteen (14) days after such agreement, the Employer shall, if it intends to proceed with the Change, issue the Contractor with a Change Order with the approval of competent authority.
41.5.1 If the Employer and the Contractor cannot reach agreement on the price for the Change, an equitable adjustment to the Time for Completion, or any other matters identified in the Change Proposal, the Employer may nevertheless instruct the Contractor to proceed with the Change by issue of a “Pending Agreement Change Order.”

Upon receipt of a Pending Agreement Change Order, the Contractor shall, unless he informs the Employer otherwise within 7 (seven) days after receipt of said Pending Agreement Change Order, immediately proceed with effecting the Changes covered by such Order. The parties shall thereafter attempt to reach agreement on the outstanding issues under the Change Proposal.

If the parties cannot reach agreement within one hundred & twenty (120) days from the date of issue of the Pending Agreement Change Order, then the matter may be referred to for the Conciliation / Arbitration as per Clause 6 hereof.

41.5.2 If the Employer decides not to proceed with the Change for whatever reason, it shall, within the said period of fourteen (14) days, notify the Contractor accordingly.

42. Extension of Time for Completion

42.1 The Time(s) for Completion specified in the Appendix-2 shall be extended if the Contractor is delayed or impeded in the performance of any of its obligations under the Contract by reason of any of the following:

a) any Change in the Facilities as provided in Clause 41 (Change in the Facilities) hereof

b) any occurrence of Force Majeure as provided in Clause 39 (Force Majeure) hereof, or other occurrence of any of the matters specified or referred to in paragraphs (a) and (b) of Sub-Clause 34.2 hereof

c) any suspension order given by the Employer under Clause 43 (Suspension) hereof

d) The default by the Employer under Clause 10 hereof, if proved to be cause for delay in completion of the Facilities by such period as shall be fair and reasonable in all the circumstances and as shall fairly reflect the delay or impediment sustained by the Contractor.
42.2 Except where otherwise specifically provided in the Contract, the Contractor shall submit to the Engineer a notice of a claim for an extension of the Time for Completion, together with particulars of the event or circumstance justifying such extension as soon as reasonably practicable after the commencement of such event or circumstance. As soon as reasonably practicable after receipt of such notice and supporting particulars of the claim, the Employer and the Contractor shall agree upon the period of such extension. In the event that the Contractor does not accept the Employer’s estimate of a fair and reasonable time extension, the Contractor shall be entitled to refer the matter for Conciliation / Arbitration.

42.3 The Contractor shall at all times use its reasonable efforts to minimise any delay in the performance of its obligations under the Contract.

43. Suspension

43.1 The Employer may, by notice to the Contractor, order the Contractor to suspend performance of any or all of its obligations under the Contract. Such notice shall specify the obligation of which performance is to be suspended, the Effective Date of the suspension and the reasons therefor. The Contractor shall thereupon suspend performance of such obligation (except those obligations necessary for the care or preservation of the Facilities) until ordered in writing to resume such performance by the Engineer.

If, by virtue of a suspension order given by the Engineer, other than by reason of the Contractor’s default or breach of the Contract, the Contractor’s performance of any of its obligations is suspended for an aggregate period of more than ninety (90) days, then at any time thereafter and provided that at that time such performance is still suspended, the Contractor may give a notice to the Engineer requiring that the Employer shall, within thirty (30) days of receipt of the notice, order the resumption of such performance.

If the Employer fails to do so within such period, the Contractor may, by a further notice to the Engineer, elect to treat the suspension as termination of the Contract under Sub-Clause 44.1 (Termination for Employer’s Convenience).

43.2 If the Contractor’s performance of its obligations is suspended pursuant to this Clause 43 hereof, then the Time for Completion shall be extended in accordance with Sub-Clause 42.1 hereof, and any and all additional costs or expenses incurred by the Contractor as a result of such suspension shall be paid by the Employer to the Contractor in addition to Contract Price on mutually agreed basis.
43.3 During the period of suspension, the Contractor shall not remove from Site any plant & equipment, any part of the Facilities or any Contractor's equipment, without the prior written consent of the Employer.

44. Termination

44.1 Termination for Employer’s Convenience

44.1.1 The Employer may at any time terminate the Contract for any reason by giving the Contractor a notice of termination that refers to Clause 44.1 hereof.

44.1.2 Upon receipt of the notice of termination under Sub-Clause 44.1.1 hereof, the Contractor shall either immediately or upon the date specified in the notice of termination

a) cease all further work, except for such work as the Employer may specify in the notice of termination for the sole purpose of protecting that part of the Facilities already executed, or any work required to leave the Site in a clean and safe condition

b) terminate all subcontracts, except those to be assigned to the Employer pursuant to paragraph (d) (ii) below

c) remove all Contractor’s Equipment from the Site, repatriate the Contractor’s and its Subcontractors’ personnel from the Site, remove from the Site any wreckage, rubbish and debris of any kind, and leave the whole of the Site in a clean and safe condition

d) In addition, the Contractor, subject to the payment specified in Sub-Clause 44.1.3 hereof, shall

(i) deliver to the Employer the parts of the Facilities executed by the Contractor up to the date of termination

(ii) to the extent legally possible, assign to the Employer all right, title and benefit of the Contractor to the Facilities and to the Plant and Equipment as at the date of termination, and, as may be required by the Employer, in any subcontracts concluded between the Contractor and its Subcontractors

(iii) deliver to the Employer all drawings, specifications and other documents prepared by the Contractor or its Subcontractors as at the date of termination in connection with the Facilities.

44.1.3 In the event of the termination of the Contract under Sub-Clause 44.1.1 hereof, the Employer shall pay to the Contractor the Price, the properly attributable to the parts of the Facilities executed by the Contractor as of the date of termination. However, no consequential damages shall be payable by the Employer to the Contractor in the event of termination.
44.2 **Termination for Contractor’s Default**

44.2.1 The Employer, without prejudice to any other rights or remedies it may possess, may terminate the Contract forthwith in the following circumstances by giving a notice of termination and its reasons therefor to the Contractor, referring to this **Sub-Clause 44.2** hereof:

a) if the Contractor becomes bankrupt or insolvent, has a receiving order issued against it, compounds with its creditors, or, if the Contractor is a corporation, a resolution is passed or order is made for its winding up (other than a voluntary liquidation for the purposes of amalgamation or reconstruction), a receiver is appointed over any part of its undertaking or assets, or if the Contractor takes or suffers any other analogous action in consequence of debt.

b) if the Contractor assigns or transfers the Contract or any right or interest therein in violation of the provision of **Clause 45** (Assignment) hereof.

44.2.2 If the Contractor

a) has abandoned or repudiated the Contract

b) has without valid reason failed to commence work on the Facilities promptly or has suspended the progress of Contract performance for more than twenty-eight (28) days after receiving a written instruction from the Employer to proceed

c) persistently fails to execute the Contract in accordance with the Contract or persistently neglects to carry out its obligations under the Contract without just cause

d) refuses or is unable to provide sufficient materials, services or labour (adequate resources) to execute and complete the Facilities in the manner specified in the program furnished under **Clause 18** (Program of Performance) hereof, at rates of progress that give reasonable assurance to the Employer that the Contractor can attain Completion of the Facilities by the Time for Completion as per **Clause 8** hereof.

then the Employer may, without prejudice to any other rights it may possess under the Contract, give a notice to the Contractor stating the nature of the default and requiring the Contractor to remedy the same. If the Contractor fails to remedy or to take steps to remedy the same within fourteen (14) days of its receipt of such notice, then the Employer may terminate the Contract forthwith by giving a notice of termination to the Contractor that refers to this **Sub-Clause 44.2** hereof.
44.2.3 Upon receipt of the notice of termination under **Sub-Clauses 44.2.1 or 44.2.2** hereof, the Contractor shall, either immediately or upon such date as is specified in the notice of termination,

a) cease all further work, except for such work as the Employer may specify in the notice of termination for the sole purpose of protecting that part of the Facilities already executed, or any work required to leave the Site in a clean & safe condition

b) terminate all subcontracts, except those to be assigned to the Employer pursuant to paragraph (d) below

c) deliver to the Employer the parts of the Facilities executed by the Contractor up to the date of termination

d) to the extent legally possible, assign to the Employer all right, title and benefit of the Contractor to the Facilities and to the Plant and Equipment as at the date of termination, and, as may be required by the Employer, in any subcontracts concluded between the Contractor and its Subcontractors

e) deliver to the Employer all drawings, specifications and other documents prepared by the Contractor or its Subcontractors as at the date of termination in connection with the Facilities.

44.2.4 The Employer may enter upon the Site, expel the Contractor, and complete the Facilities itself or by employing any third party at the risk and cost of the Contractor. The Employer may, to the exclusion of any right of the Contractor over the same, take over and use any Contractor’s Equipment owned by the Contractor and on the Site in connection with the Facilities for such reasonable period as the Employer considers expedient for the supply and installation of the Facilities.

Upon completion of the Facilities or at such earlier date as the Employer thinks appropriate, the Employer shall give notice to the Contractor that such Contractor’s Equipment will be returned to the Contractor at or near the Site and shall return such Contractor’s Equipment to the Contractor in accordance with such notice. The Contractor shall thereafter without delay and at its cost remove or arrange removal of the same from the Site.
44.2.5 Subject to **Sub-Clause 44.2.6** hereof, the Contractor shall be entitled to be paid the Price attributable to the Part of the Facilities executed as at the date of termination, and the costs, if any, incurred in protecting the Facilities and in leaving the Site in a clean and safe condition pursuant to paragraph (a) of **Sub-Clause 44.2.3** hereof and rent of the Contractor's equipment, if any, used by the Employer pursuant to **Clause 44.2.5** hereof. Any sums due to the Employer from the Contractor accruing prior to the date of termination shall be deducted from the amount to be paid to the Contractor under this Contract.

44.2.6 If the Employer completes the Facilities, the cost of completing the Facilities by the Employer shall be determined.

If the sum that the Contractor is entitled to be paid, pursuant to **Sub-Clause 44.2.5** hereof, plus the reasonable costs incurred by the Employer in completing the Facilities, exceeds the Contract Price, the Contractor shall be liable for such excess.

If such excess is greater than the sums due to the Contractor under **Sub-Clause 44.2.5** hereof, the Contractor shall pay the balance to the Employer, and if such excess is less than the sums due the Contractor under **Sub-Clause 44.2.5** hereof, the Employer shall pay the balance to the Contractor.

The Employer and Contractor shall agree, in writing, on the computation described above and the manner in which any sums shall be paid.

44.3 In this **Clause 44** hereof, the expression “Facilities executed” shall include all work executed, Installation Services provided, and all Plant & Equipment, Structures and Refractories, acquired (or subject to a legally binding obligation to purchase) by the Contractor and used or intended to be used for the purpose of the Facilities, up to and including the date of termination.

44.4 In this **Clause 44** hereof, in calculating any money due from the Employer to the Contractor, account shall be taken of any sum previously paid by the Employer to the Contractor under the Contract, including any advance payment paid pursuant to **Clause 12** (Terms of Payment) hereof.

45. Assignment

45.1 The Contractor shall not, without the express prior written consent of the Employer assign to any third party the Contract or any part thereof, or any right, benefit, obligation or interest therein or thereunder, except that the Contractor shall be entitled to assign under the Contract.

45.2
Should loan / financial agreement(s) require the Contractor to assign, by way of charge, any money due or to become due to it, to a bank / credit agency for the benefit of receiving payment by the Contractor under this Contract from such bank / credit agency, or if any partial assignment is necessary to be made to any insurer in terms of Insurance Policy approved by the Employer, the Employer may give consent in such cases.

46. Surplus Materials

46.1 For the purpose of removing surplus materials in its original form only, the Contractor shall submit the documents / records evidencing the entry of materials inside the Steel Plant by producing the Gate Entry Permits and RRs or LRs and consumption statements based on approved drawings after allowing for wastages, maximum 8% cutting allowance, and irrecoverable / unaccountable losses (wastages including loss factors being minimum 2% on Steel and reinforcement rods, minimum 5% on cement and minimum 3% on cables, pipes etc.) to establish the surplus quantity of the materials belonging to the Contractor. The Employer shall allow the Contractor to remove such materials from the Employer's premises after being satisfied regarding the evidence produced for such removal. Such removal shall permitted even before completion of the entire work.

46.2 Contractor may be allowed to take back surplus imported material. However, if Employer has incurred any expenses for surplus item towards customs, freight on any other accounts etc, the same shall be reimbursed by the Contractor in case of taking back such items. Imported tools and tackles and instruments brought by the Contractor on draw back basis can be taken out provided he has carried out necessary documentation at the time of taking such items inside the Steel Plant.

Scrap in any form whatsoever shall not be removed from Plant premises and shall be the property of the Employer. No credit will be given for scrap.
ANNEXURE - I

PERFORMANCE BANK GUARANTEE
(To be executed on Non-Judicial Stamp Paper of appropriate value)

................................................................................................................................. (Name of the Bank)

Address ...........................................................................................................................................

Guarantee No. ............................................

A/c Messrs ................................................................................................................................. (Name of Contractor)

Date of Expiry ........................................

Limit to liability (currency & amount)
.................................................................................................................................

Contract No. ..................................................................................................................................

For ............................................................................................................................................. (Name of Facilities)


Subject:............................................................................................... Performance Bank Guarantee.

Date ................................................. 200..

To
Steel Authority of India Ltd.
Bhilai Steel Plant
Bhilai-490001
Chhattisgarh.

Dear Sir,

We refer to the Contract Agreement (hereinafter called the “Contract”) Reference No. ................. Dated ......... between you and M/s. (Name of the Contractor) (hereinafter called the “Contractor”) for the design, civil, manufacture, supply of plant & equipment, refractories and structures, storage, insurance & handling, erection, testing, commissioning and performance guarantee tests of . (Name of the Facilities).

Whereas the Contractor has undertaken to produce a Bank guarantee under the Contract to secure its obligations to you for the performance of the Contract including the guarantees and warranty of the equipment supplied.
1. We ............................................ (Name of the Bank) do hereby expressly irrevocably and unreservedly undertake to pay to you on your written demand and without demur an amount not exceeding ........................................ (currency and amount).

2. We do hereby undertake to pay the amounts due and payable under this Guarantee without any protest or demur, merely on a demand from you stating that the amount claimed is due by reason of breach by the said Contractor of any of the terms or conditions contained in the said Contract or by reason of the Contractor's failure to perform the Contract. Any such demand made on us shall be conclusive as regards the amount due and payable by us under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding .......................

3. Notwithstanding anything to the contrary we agree that your decision as to whether the Contractor has committed any such default or defaults and the amount or amounts to which you are entitled by reason thereof will be binding on us and we shall not be entitled to ask you to establish your claim or claims under this Guarantee but shall pay the same forthwith without any objection or excuse.

4. We undertake to pay to you any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) / supplier(s) in any suit or proceeding pending before any court or Tribunal or arbitration relating thereto, our liability under these presents being absolute and unequivocal.

   The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment thereunder.

5. This guarantee shall come into force from the date of issue of this guarantee.

6. This guarantee shall continue and hold good until it is released by you on the application by the Contractor after expiry of the related Defect Liability Period of the said Contract and submitted a copy of your letter for release of this guarantee provided always that unless extended this guarantee shall remain in force till ....................... Should it be necessary to extend this Guarantee beyond the said date, we undertake to extend forthwith the period of this guarantee on your request till such time as may be mutually agreed by you and the Contractor.

7. You will have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said Contract or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by you against the said Contractor and to forbear or enforce any of the terms and conditions relating to the said Contract and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor or for any forbearance, act or omission on your part or any indulgence shown by you to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

8. All compensations and payments that may be received by you from the Contractor or any person, firm or company whomsoever for or on account of the Contractor in any way in respect of the said Contract shall be regarded as payments in gross and you will be entitled
to proceed against the assets of the Contractor, should the Contractor be wound up or dissolved or declared insolvent in respect of the whole of the Contractor's indebtedness to you without any right on our part to stand in your place in respect of or to claim the benefit of such compensation or payment of any security that may be held by you until you shall have received the full amount of your claims against the Contractor.

9. This guarantee shall not in any way be affected by you taking or varying or giving up any securities from the Contractor or any other person, firm or company on its behalf or by the winding up, dissolution, insolvency or death as the case may be of the Contractor.

10. In order to give full effect to the Guarantee herein contained, you shall be entitled to act as if we were your principal debtors in respect of all your claims against the Contractor, hereby guaranteed by us as aforesaid and we hereby expressly waive all our suretyship and other rights, if any, which are in any way inconsistent with the above or any other provisions of this Guarantee.

11. This guarantee and the powers and provisions herein contained are in addition to and not by way of limitation of or substitution for any other guarantee or guarantees heretofore given to you by us (whether jointly with other or along) and now existing unconcealed and that this Guarantee is not intended to and shall not revoke or limit such guarantee or guarantees.

12. This guarantee shall not be discharged by any change in the constitution of the Contractor or us, nor shall it be affected by any change in your constitution or by any amalgamation or absorption thereof or therewith but will ensure for and be available to and effaceable by the absorbing or amalgamated company or concern.

13. We shall not revoke this guarantee during its being in force except with your previous consent in writing.

14. Notwithstanding anything contained herein before our liability under this guarantee is restricted upto a sum .......... (currency and amount) and shall expire on .......... unless a claim or demand is made on us in writing within three months of the expiry date all your rights shall be forfeited and we shall stand relieved and discharged from our liabilities hereunder.

15. We have power to issue this guarantee under the provisions of the ................... (Name of the Bank) Act General Regulations made thereunder and the undersigned has full power to sign this guarantee under the delegations of powers and notification made under general regulation ...........(Reference No. ............................ .......), of the resolution of the executive committee of the Central Board of the Bank in the Central Government Gazette.

Your faithfully

Dated ........ day of ............ 200..
For .................................................

(Name of the Bank)
ANNEXURE - II

BANK GUARANTEE FOR RELEASE OF PAYMENT AGAINST COMMISSIONING CERTIFICATE
(To be executed on Non-Judicial Stamp Paper of appropriate value)

.................................................................................................................................................................................................................. (Name of the Bank)
Address ........................................................................................................................................................................................................................................

Guarantee No. ........................................

A/c Messrs ........................................................................................................................................................................................................ (Name of Contractor)

Date of Expiry ........................................

Limit to liability (currency & amount)

............................................................................................................... (currency & amount)

Contract No.
........................................................................................................................................................................................................................................

For .................................................................................................................................................................................................................. (Name of Facilities)

Subject:........................................................................ Release of Payment against Commissioning Certificate.

Date .............................................. 200..

To
Steel Authority of India Ltd.
Bhilai Steel Plant
Bhilai-490001
Chhattisgarh

Dear Sir,

We refer to the Contract Agreement (hereinafter called the “Contract”) Reference No. ......................... Dated ............... between you and M/s. (Name of the Contractor) (hereinafter called the “Contractor”) for the design, civil, manufacture, supply of plant & equipment, refractories and structures, storage, insurance & handling, erection, testing, commissioning and performance guarantee tests of . (Name of the Facilities).

Whereas, the Contractor has undertaken to produce a Bank guarantee under the Sub-Clause 25.4 of GCC of the Contract to secure Contractor’s obligations to you for conducting the Commissioning as per Sub-Clause 25.2 of GCC of the Contract.
1. We ..... (Name of the Bank) do hereby expressly irrevocably and unreservedly undertake to pay to you on your written demand and without demur an amount not exceeding .... (currency and amount).

2. We do hereby undertake to pay the amounts due and payable under this Guarantee without any protest or demur, merely on a demand from you stating that the amount claimed is due by reason of breach by the said Contractor of any of the terms or conditions contained in the said Contract or by reason of the Contractor's failure to perform the Contract. Any such demand made on us shall be conclusive as regards the amount due and payable by us under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding ..................

3. Notwithstanding anything to the contrary we agree that your decision as to whether the Contractor has committed any such default or defaults and the amount or amounts to which you are entitled by reason thereof will be binding on us and we shall not be entitled to ask you to establish your claim or claims under this Guarantee but shall pay the same forthwith without any objection or excuse.

4. We undertake to pay to you any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) / supplier(s) in any suit or proceeding pending before any court or Tribunal or arbitration relating thereto, our liability under these presents being absolute and unequivocal.

   The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment thereunder.

5. This guarantee shall come into force simultaneously with Contractor’s receiving payments against Commissioning as per Sub-Clause 25.4 of the GCC of the Contract.

6. This guarantee shall continue and hold good until it is released by you on the application by the Contractor after issue of the Commissioning Certificate as per Clause 25 of GCC of the Contract latest on expiry of 12 months from the date of release of payments against Commissioning Certificate provided always that unless extended this guarantee shall remain in force till ............... Should it be necessary to extend this Guarantee beyond the said date, we undertake to extend forthwith the period of this guarantee on your request till such time as may be mutually agreed by you and the Contractor.

7. You will have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said Contract or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by you against the said Contractor and to forbear or enforce any of the terms and conditions relating to the said Contract and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor or for any forbearance, act or omission on your part or any indulgence shown by you to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
8. All compensations and payments that may be received by you from the Contractor or any person, firm or company whomsoever for or on account of the Contractor in any way in respect of the Contract shall be regarded as payments in gross and you will be entitled to proceed against the assets of the Contractor, should the Contractor be wound up or dissolved or declared insolvent in respect of the whole of the Contractor’s indebtedness to you without any right on our part to stand in your place in respect of or to claim the benefit of such compensation or payment of any security that may be held by you until you shall have received the full amount of your claims against the Contractor.

9. This guarantee shall not in any way be affected by you taking or varying or giving up any securities from the Contractor or any other person, firm or company on its behalf or by the winding up, dissolution, insolvency or death as the case may be of the Contractor.

10. In order to give full effect to the Guarantee herein contained, you shall be entitled to act as if we were your principal debtors in respect of all your claims against the Contractor, hereby guaranteed by us as aforesaid and we hereby expressly waive all our suretyship and other rights if any which are in any way inconsistent with the above or any other provisions of this Guarantee.

11. This guarantee and the powers and provisions herein contained are in addition to and not by way of limitation of or substitution for any other guarantee or guarantees heretofore given to you by us (whether jointly with other or alone) and now existing unconcealed and that this Guarantee is not intended to and shall not revoke or limit such guarantee or guarantees.

12. This guarantee shall not be discharged by any change in the constitution of the Contractor or us, nor shall it be affected by any change in your constitution or by any amalgamation or absorption thereof or therewith but will ensure for and be available to and effaceable by the absorbing or amalgamated company or concern.

13. We shall not revoke this guarantee during its being in force except with your previous consent in writing.

14. Notwithstanding anything contained herein before our liability under this guarantee is restricted up to a sum .......... (currency and amount) and shall expire on .......... unless a claim or demand is made on us in writing within three months of the expiry date all your rights shall be forfeited and we shall stand relieved and discharged from our liabilities hereunder.

15. We have power to issue this guarantee under the provisions of the ................. (Name of Bank) Act General Regulations made thereunder and the undersigned has full power to sign this guarantee under the delegations of powers and notification made under general regulation ................. (Reference No. .................................), of the resolution of the executive committee of the Central Board of the Bank in the Central Government Gazette.

Your faithfully

Dated .......... day of .......... 200..
For ........................................

(Name of the Bank)
ANNEXURE - III

FORM OF BANK GUARANTEE FOR RELEASE OF PAYMENT AGAINST PERFORMANCE GUARANTEE CERTIFICATE
(To be executed on Non-Judicial Stamp Paper of appropriate value)

............................................................................................................................................................................ (Name of the Bank)

Address
...........................................................................................................................................................................

Guarantee No. ........................................

A/c Messrs ................................................................................................................................................ (Name of Contractor)

Date of Expiry ........................................

Limit to liability (currency & amount)
........................................................................................................................................................................

Contract
No........................................................................................................................................................................

For ........................................................................................................................................................................ (Name of Facilities)

Subject: ........................................ Release of Payment against Performance Guarantee Certificate.

Date ........................................ 200..

To
Steel Authority of India Ltd.
Bhilai Steel Plant
Bhilai-490001
Chhattisgarh

Dear Sir,

We refer to the Contract Agreement (hereinafter called the “Contract”) Reference No. ....................... Dated ............... between you and M/s. (Name of the Contractor) (hereinafter called the “Contractor”) for the design, civil, manufacture, supply of plant & equipment, refractories and structures, storage, insurance & handling, erection, testing, commissioning and performance guarantee tests of ....... ........................................ (Name of the Facilities).
Whereas the Contractor has undertaken to produce a Bank Guarantee under the Sub-Clause 28.4 of GCC of the Contract to secure Contractor’s obligations to you for conducting the Performance Guarantee Tests as per Sub-Clause 27 of GCC of the Contract.

1. We ...... *(Name of the Bank)* do hereby expressly irrevocably and unreservedly undertake to pay to you on your written demand and without demur an amount not exceeding .... *(currency and amount).*

2. We do hereby undertake to pay the amounts due and payable under this Guarantee without any protest or demur, merely on a demand from you stating that the amount claimed is due by reason of breach by the said Contractor of any of the terms or conditions contained in the said Contract or by reason of the Contractor’s failure to perform the Contract. Any such demand made on us shall be conclusive as regards the amount due and payable by us under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding .................

3. Notwithstanding anything to the contrary we agree that your decision as to whether the Contractor has committed any such default or defaults and the amount or amounts to which you are entitled by reason thereof will be binding on us and we shall not be entitled to ask you to establish your claim or claims under this Guarantee but shall pay the same forthwith without any objection or excuse.

4. We undertake to pay to you any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) / supplier(s) in any suit or proceeding pending before any court or Tribunal or arbitration relating thereto, our liability under these presents being absolute and unequivocal. The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment thereunder.

5. This guarantee shall come into force simultaneously with Contractor’s receiving payments against Performance Guarantee Certificate as per Sub-Clause 28.4 of the GCC of the Contract.

6. This guarantee shall continue and hold good until it is released by you on the application by the Contractor after issue of the Final Acceptance Certificate as per Clause 28 of GCC of the Contract latest on expiry of 12 months from the date of release of payments against Commissioning Certificate provided always that unless extended this guarantee shall remain in force till ............... Should it be necessary to extend this Guarantee beyond the said date, we undertake to extend forthwith the period of this guarantee on your request till such time as may be mutually agreed by you and the Contractor.

7. You will have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said Contract or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by you against the said Contractor and to forbear or enforce any of the terms and conditions relating to the said Contract and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor or for any forbearance, act or omission on your part or any indulgence shown by you to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
8. All compensations and payments that may be received by you from the Contractor or any person, firm or company whomsoever for or on account of the Contractor in any way in respect of the Contract shall be regarded as payments in gross and you will be entitled to proceed against the assets of the Contractor, should the Contractor be wound up or dissolved or declared insolvent in respect of the whole of the Contractor's indebtedness to you without any right on our part to stand in your place in respect of or to claim the benefit of such compensation or payment of any security that may be held by you until you shall have received the full amount of your claims against the Contractor.

9. This guarantee shall not in any way be affected by you taking or varying or giving up any securities from the Contractor or any other person, firm or company on its behalf or by the winding up, dissolution, insolvency or death as the case may be of the Contractor.

10. In order to give full effect to the Guarantee herein contained, you shall be entitled to act as if we were your principal debtors in respect of all your claims against the Contractor, hereby guaranteed by us as aforesaid and we hereby expressly waive all our suretyship and other rights if any which are in any way inconsistent with the above or any other provisions of this Guarantee.

11. This guarantee and the powers and provisions herein contained are in addition to and not by way of limitation of or substitution for any other guarantee or guarantees heretofore given to you by us (whether jointly with other or along) and now existing unconcealed and that this Guarantee is not intended to and shall not revoke or limit such guarantee or guarantees.

12. This guarantee shall not be discharged by any change in the constitution of the Contractor or us, nor shall it be affected by any change in your constitution or by any amalgamation or absorption thereof or therewith but will ensure for and be available to and effaceable by the absorbing or amalgamated company or concern.

13. We shall not revoke this guarantee during its being in force except with your previous consent in writing.

14. Notwithstanding anything contained herein before our liability under this guarantee is restricted up to a sum ........... (currency and amount) and shall expire on ............. unless a claim or demand is made on us in writing within three months of the expiry date all your rights shall be forfeited and we shall stand relieved and discharged from our liabilities hereunder.

15. We have power to issue this guarantee under the provisions of the ................... (Name of the Bank) Act General Regulations made thereunder and the undersigned has full power to sign this guarantee under the delegations of powers and notification made under general regulation .................. (Reference No. ...........................), of the resolution of the executive committee of the Central Board of the Bank in the Central Government Gazette.

Your faithfully

Dated ........ day of .......... 200..
For ........................................

(Name of the Bank)
ANNEXURE – IV

PROFORMA FOR CUSTODY CUM INDEMNITY BOND

(To be used for materials to be issued free/ or good/materials ownership of which passed on the Employer before construction/ erection/testing/commissioning) 
(on Non-Judicial Stamp paper of appropriate value)

Proforma for custody-cum-Indemnity Bond for the work of -----------------------

M/s Steel Authority of India Ltd.
Bhilai Steel Plant
Bhilai-490 001
Distt. Durg
State of Chhattisgarh.

In consideration of the SAIL, Bhilai Steel Plant --------------------------(hereinafter called this Company) which expression shall unless repugnant to the subject or content include his successors and assigns having agreed under the terms and conditions of the Contract no -------------------------dated-------------------------------made between------------------------
--------and the Company in connection with-------------to permit the Contractor to receive goods/materials (specify the quantity and name of the materials) of the contract rate of item for supply the value of Rs.-----------------------interalia on production of Indemnity-cum-custody bond. We do hereby undertake and agree to indemnify and keep indemnified the company from time to time to the extent of Rs.--------- --------------- (Rupees.------------------only) against any loss or damage, costs, charges and expenses caused to or suffered by the company by reason of the --------------------------failing to take proper care and custody of the goods/ materials and/ or failing to properly used in the job as per contract and hand over the completed job in terms of the agreement aforesaid or not complying the instructions which may be given from time to time during the continuance of the agreement and we further undertake to unconditionally pay the amount claimed by the company on demand and without demur to the extent aforesaid.

We -------------------------- hereby further undertake to use the said goods/ materials in terms of the Contract aforesaid and further keep safely, preserve and maintain or caused to be kept safely preserved or maintained all plant machinery equipment and all materials for erection till the date of the preliminary acceptance thereof in terms of the agreement and any damage, breakage, loss during this period will be solely to our Account and we would make necessary arrangement proper replacement/repair as desired by the Company.

We--------------------------further agree that the company shall be sole judge of and as to whether there has been any breach of the terms and conditions of this bond and as to the extent of the loss, damage, costs, charges and expenses caused to or suffered by the Company.

We-------------------------- further agree that our liability under this bond shall not be discharged because of the change in the constitution of the Company/or the extension of the time or for any indulgence by the Company granted to us.

***
7. SAFETY CODE FOR CONTRACTORS

INTER PLANT STANDARD FOR SAFETY IN STEEL INDUSTRY

<table>
<thead>
<tr>
<th>SAFETY IN CONTRACT WORKS</th>
<th>IPSS:1-11-011-01</th>
</tr>
</thead>
<tbody>
<tr>
<td>No corresponding Indian Standard exists</td>
<td></td>
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0. FORWORD

0.1 This Inter Plant Standard formulated by the Standard Committee on Personnel Safety Appliances & Procedures, IPSS 1:11 with the active participation of the representatives of steel plants and associated organizations in the field, was adopted in May, 2001.

0.2 This is one of the series of Inter Plant Standards in the area of the safety in the steel plants with a view to providing guidance to all concerned in accident prevention.

1.0 SCOPE OF WORK

1.1 Safety is the responsibility of the Contractor and his staff / employees/ workmen engaged/ deployed for execution of work under the Contract, individually and collectively. For this purpose, the Contractor staff means and includes all its associates and sub-contractors / vendors/ sub-vendors and their staff/ employees/ workmen deployed for execution of the work covered under the contract. The Contractor shall ensure that his workmen participate in the safety awareness, health care and safety training programmes whenever such programmes are organised by the employer or the Contractor.

1.2 The Contractor’s scope of work shall include, but not limited to execution of work/ contract, adequate safety arrangements for men machinery etc. engaged during the execution of the Contract.

1.3 While executing the Contract, the Contractor / his supervisor has to ensure safety of the surroundings with regard to employer’s work place/ site and other contractor’s men/ machine/ materials/ system etc.

2.0 DETAILED PROCEDURE/ PROTOCOL

2.1 Before starting the work, a safe work procedure/ protocol shall be prepared and signed jointly by the executing department, representative of Safety Deptt. and the Contractor or his representative. This procedure/ protocol shall be prepared by breaking the whole job into small elements and listing them separately in the sequence. Against these elements, the agency responsible for doing it, would be mentioned. Any other details about these elements, may also be mentioned in the remarks column.
3.0 MEMORANDUM OF UNDERSTANDING (MOU)

3.1 A Memorandum of Understanding, placed at Enclosure-A, shall be signed between the Contractor and the representative of the Contracts Department (on behalf of the Plant) before award of the Contract.

ENCLOSURE – A

(Name of the Company/ Plant)

Memorandum of Understanding between the (Company/ Plant) and the (Contractor) for safe execution of contract work.

This Memorandum of Understanding is made and executed by and between _______________________________, a Company and/or Plant registered under the Companies Act 1956 and/or Factories Act and having its registered office at ______________________ or their authorised representative(s), hereinafter referred to as “Employer” (which expression shall wherever the context so requires or admits be deemed to mean and include its successor in business and assignees) of the one party AND

M/s __________________________________________ having its registered office at ________________ hereinafter referred to as the “Contractor” (which expression shall wherever the context so requires or admits be deemed to mean and include its successors in business and assigns) of the other party.

WITNESSESTH THAT

Whereas the Employer gives highest importance to the safety in execution of work, seeks co-operation from the Contractor in this endeavour.

Thus, the Memorandum of Understanding is for promoting the safety aspects required to be followed at work place/site and will be applicable to any site job to be done by the Contractor.

AND

Whereas the Contractor has read all the terms and conditions of the Employer and whereas the Contractor has studied the following documents.

a) Tender documents, enquiry/order specification including General Conditions
b) “General Safety Rules”, “Safety Rule for Construction work” and “Electrical Safety Guide”.

Project Directorate

Page 237 of 254

May 2007

The amendments to any of the above rules and any other rules and regulations or procedures, circulars, notices and advices laid down by the Employer from time to time whereas these documents are included as Annexure to this Memorandum of Understanding.

Now, it is hereby AGREED AND DECLARED by and between the Employer and the Contractor as follows:

Clause-I The Contractor shall abide by the terms and conditions stipulated in “Annexure to the Memorandum of Understanding between Employer and the Contractor for safe execution of the Contract work (____________2001)”.

Clause-II The Contractor shall undertake full responsibility for safe execution of the job at work place/site and safety of his personnel from the time he enters the gates of ________________ till the time he leaves the works gates after his duty.

Clause-III Without giving any prior notice, the Employer shall from time to time be entitled to add/ or amend any or all terms and conditions with a view to improving safety of personnel and safety of work, with immediate effect and the shall be binding on the Contractor. The Contractor agrees to implement all such amendments which shall be laid down by the Employer.

Clause-IV Besides following the guidelines, safety rules and regulations, safety codes given in various safety procedures/documents mentioned above, the Contractor shall also prepare a job safety analysis wherever there are complicated and hazardous working involved. The Contractor shall consult executing agency, supervisors Safety and Accident Prevention Services Department and officers from specialised agency of Employer in preparing such documents.

In witness thereof, the parties hereto by representatives duly authorised have executed this Memorandum of Understanding on ____________ day of __________ 2001.

Signed on for and on behalf of (Company/Plant) Signed on for and on behalf of (Contractor )

__________________________ ___________________________
Signature          Signature

Name
Title
GENERAL TERMS & CONDITIONS

1.0  
**SUPERVISOR**

1.1 The Contractor shall engage qualified and competent supervisors for executing the Contract. The supervisor must be able to i) read drawing; ii) understand the safety aspect of the job; iii) take necessary precautionary measures; iv) ensure leadership for the safe execution of the job.

2.0  
**SAFETY SUPERVISION**

2.1 The Contractor shall provide at least one competent full time safety supervisor who shall be nominated for each contract depending on the number of persons employed and safety requirements of the job including round the clock supervision on safety aspects, wherever required.

3.0  
**GATE PASS**

3.1 The Contractor shall, in accordance with prescribed procedure, obtain gate passes (photo passes) from Employer’s Security Department who shall make it available to the Contractor, to enable the Contractor and his staff / employees/ workmen to enter the work area inside the plant as well as un-enclosed (open) work area like township. The Contractor shall make arrangement for instant photography for those contract workers who may be required to go to work in emergency and do not have photo passes.

4.0  
**SAFETY INDUCTION**

4.1 In order to provide basic industrial safety training to the workers of Contractor, Employer will provide on request, the general safety induction to the workmen/supervisor at Safety Engineering Department. The Contract or shall submit the list of persons with full details for the job of safety induction to the Engineer for arranging the same. The Contractor shall not engage untrained personnel for executing any Contract inside the works. Job safety induction is a compulsory thing for every job to start with.

4.2 If at any point of time, Contractor feels or needs any special safety training for carrying out a particular job the same shall be arranged by the concerned Engineer of the Employer. For this, the Contractor shall inform the concerned Engineer of the Employer well in advance of commencement of such job.

4.3 The Contractor shall motivate and encourage his employees/ workmen to make personnel contribution towards enhancing safety on the basis of their knowledge and experience.
4.4 The Contractor shall have adequate number of Pocket Sized Safety Cards containing safety instructions prepared on the basis of Employer’s model safety book for Contractors workers in hindi or regional languages as may be required and shall issue them to all his employees/ workmen and ensure that they read it before commencing the work. The safety instructions from these Safety Cards shall be read and explained by the Contractor or his representative to those employees/ workmen who are illiterate and cannot read and ensure that they have been understood. If the employees are signing in the attendance register, the Contractor shall arrange to write “Safety Sentence” on the top of each page below which each employee will either sign or put his thumb impression as a token of his/ her attendance also for having read/ understood the safety instructions.

The “Safety Sentence” shall be “I have read/ understood the Safety Instructions and I shall work according to these instructions”.

4.5 The work areas where a different system of keeping attendance exists, the Contractor or his representative shall furnish the list of employees/ workmen deployed on the job on any particular day and on top of which the following sentence will be recorded by the representative of the Contractor.

“I have explained the safety instructions to my workers mentioned below and assure that they have understood the instructions and shall work according to these instructions”.

4.6 The Contractor shall provide safety induction every day before start of the job i.e. briefing the nature of work to be carried and the necessary precautions to be taken while executing the job/ Contract during the particular day.

4.7 Contractors shall follow all special safety precautions issued by the executing authority or his site engineer from time to time.

5.0 LEGAL AND PENAL

5.1 The Contractor shall abide by the provisions of all statutory acts and rules as applicable and maintain register/ documents, submit periodic reports and returns furnish information/ report relating to accidents occurring in the area of work to competent authority in time.

5.2 The Contractor shall be liable for prosecution and penalty in accordance with as prescribed under the law of land, terms & conditions of Contract as well as rules of the Company relating to safety, for not observing those provisions by the Contractor or his employees/ workmen.

5.3 The Contractor shall keep the Company indemnified against all losses/ claims due to accidents/ injuries/ damages caused at the Contractor’s works site. He shall be fully responsible for accidents caused due to the Contractor or his agents or workmen’s negligence or carelessness in regard to observance of the safety requirements and shall be liable to pay compensation for injuries.
5.4 The Engineer or Head of the Safety Department or their authorised nominees, upon their satisfaction that the Contractor is not conforming to the safety requirements, may direct stoppage of work and direct the Contractor to remedy the defects or supply the facility/equipment as the case may be. The Contractor shall not proceed with the work until he has complied with such directions to the satisfaction of the Engineer/Safety Department.

5.5 If a Driver or any staff of the Contractor is caught in theft case or in any unauthorised movement of materials or in the activity which is punishable under the law or not authorised by the plant, the Contractor shall bear the full responsibility for the loss and other consequences which may result to the plant due to such illegal/unauthorised acts besides the action to terminate the Contract by the plant.

5.6 The Contractor shall be responsible to ensure that vehicles belonging to him are not driven in reckless or rash manner so as to become a potential threat to the safety of the traffic in the plant or township area. The drivers of the vehicles shall be made to adhered to the speed limits wherever applicable. Failure to comply with the above, may result in termination of the Contract.

In case of accident or injury or damage caused by the Contractor’s vehicle or staff to any person or property, the financial responsibility to compensate be borne solely by the Contractor and this amount may, at the discretion of the Competent Authority of the Plant, be recovered from the bills or security or other deposits of the Contractor.

5.7 The Contractor shall ensure that all his employees/workmen are covered under “Workmen Compensation Act” and shall pay compensation to his workmen as and when the eventuality for the same arises.

5.8 To ensure effective enforcement of the rules and regulations relating to safety precautions, the arrangements made by the Contractor shall be open to inspection by the Engineer or his representatives, Safety Engineer and Labour Officer.

5.9 The Contractor shall enclose along with his first bill a true copy of the Safety Induction Form (Annexure-1A) duly certified by the Executing Authority regarding use of safety appliances, following of safety instructions and observance of all safety laws, failing which the bill will not be processed for payment.

5.10 Notwithstanding the above clauses, there is nothing in those to exempt the Contractor from the operation of any other Act or rule in Republic of India for the safety of men and materials.

5.11 Without prejudice to the right conferred to the Employer for stoppage of work for violations of safety requirements, the Contractor shall be liable, after written warning, for a penalty of Rs.1,000/- for the first violation and up to Rs.3,000/- for the second violation. For the third violation, the Contractor shall be liable to be debarred from further Contracts up to a period of one year from the date of issue of debarring notice. For low value contracts up to Rs.5 crores, fines up to Rs.25,000/- for medium value contracts from Rs.5 crores to Rs.10 crores fine up to Rs.50,000/- and for high value contract above Rs.10 crore, fine up to Rs.1,00,000/- at a time can be imposed
by Employer / Executing Authority on defaulting Contractors.

6.0

**PPE & SAFETY APPLIANCES**

6.1

The Contractor shall provide all the PPE (Personal Protective Equipment) and safety appliances required to carry out the job to all the workmen deployed by the Contractor and also ensure that his workmen use those PPE and safety appliances while on the job. The Contractor shall not pay any cash amount in lieu of PPE to the workers.

6.2

The PPE and safety appliances provided by the Contractor shall be of the standard as prescribed by the Inter Plant Standardisation in Steel Industry (IPSS) or by Bureau of Indian Standards (BIS). If materials conforming to IPSS or BIS standards are not available, PPE and safety appliances shall be procured by the Contractor as approved by the Employer.

6.3

If the Contractor fails to ensure provision of safety appliances required to carry out the job safely to the workmen and that his workmen do not use the PPE and safety appliances as needed for safe working, Engineer and the Safety Engineering Department upon the satisfaction that the Contractor is not conforming to the safety requirement may direct the Contractor for stoppage of work and require the Contractor to remedy the defects.

The Contractor shall not proceed with the work until he has complied with each direction to the satisfaction of Engineer and Safety Engineering Department.

7.0

**SITE CLEARANCE**

7.1

Prior to commencement of work, the Contractor shall obtain a clearance from the Safety Engineering Department of the Employer and concerned department/ section of the Employer where the job is to be carried out. The Employer/ Engineer shall not permit the Contractor to commence the work unless Contractor or his representative produces such clearance certificate. The Department concerned shall grant such clearance after ensuring that:

a) The Contractor himself has undergone Safety Induction Training organised by the Employer's Safety Engineering Department in the preceding twelve months.
b) The Contractor’s workers, identified for particular work / Department, have undergone Safety Induction Training in the preceding twelve months.

c) The Contractor has arranged PPE and Safety appliances for himself and for all his workmen, as required.

d) The Contractor possesses work permit issued by the Employer or Employer’s representative for which the “Work Clearance Form” (Annexure-1B) shall be filled in triplicate by the Contractor for record of:

i) Safety.
ii) Department/ Section of the Employer granting clearance and
iii) Contractor.

e) The Contractor and his supervisors along with the Contract documents and job instructions received from the employer, will come to Employer’s Safety Engineering Department where the Contractor will obtain Safety Rule Book for Contractor and seek clarifications, if any. The Contractor is not permitted to stop the job without clearance from Employer’s Safety Engineering Department.

f) The Contractor shall possess handling equipment, tools & tackles of adequate capacity and tested quality.

7.2

Contractor shall obtain specific permission in accordance with IPSS:1-11-007-01 “Procedure to Permit to Work” and IPSS:1-11-005-98 “Procedure for working at height by Contractor’s Workers” from the Engineer of the company or the companies Safety Department before commencing the following:

a) Working in an operating plant / equipment;

b) Working at height;

c) Working in areas expected to have toxic/ poisonous gases;

d) Major site activities irrespective of the clearance already obtained;

e) Wherever there are hazardous of electricity moving.

The Contractor shall obtain the copies of the above IPSS procedures from the Engineer or the Safety Engineering Department.

7.3

The executing department shall take necessary shut down of operating plant before commencement of job in that area. The Contractor shall ensure that shut down/ clearance is taken before sending workers to such locations particularly in the area where there are hazardous of gases, electricity, moving machinery etc.
8.0  

**SKILL AND COMPETENCE OF WORKMEN**

8.1  
The Contractor shall be responsible to engage competent and skilled workers.

8.2  
Before starting of the day’s job, the Contractor shall ensure that safety briefing has been done to his workers by himself or his supervisors who have been imparted safety induction earlier and also maintain records to this effect.

9.0  

**PHYSICAL FITNESS OF WORKMEN**

9.1  
The Contractor shall ensure that his employees/ workmen subject themselves to such medical examination as required under the law or under the company’s rule and keep a record of the same.

9.2  
The Contractor shall not permit any employee/ workmen to enter the work area under the influence of alcohol.

10.0  

**DEALING WITH ACCIDENT**

10.1  
The Contractor shall maintain a safety register, keep records of all minor and major accidents, serious or averted (near miss) accidents, with or without injuries to human beings and shall submit a report about the accident to the Engineer promptly, on the form prescribed by the Employer.

10.2  
The Contractor’s supervisor/ officer in charge shall arrange to take the injured person first to Plant Medical Unit with IOW (Injury on Work) form given on Annexure-1C and under no circumstances, take the injured person directly to his own doctors. The information of fatal accident shall be given on Annexure-1D.
10.3  
The Contractor shall not interfere with the site of accident, unless inspected and / or permitted by the competent authorities.

10.4  
The Contractor shall arrange to avoid any sort of commotions at site in the event of an accident.

11.0  
MISCELLANEOUS

11.1  
Safety Records (Statutory Records)

The Contractor shall keep record of :

i) Test certificates of all lifting tools & tackles, pressure vessels etc.

ii) Periodical inspection report of safety appliances,

iii) Maintaining accident analysis report in proper format in consultation with Employer’s Engineer.

iv) Safety record as per Factory Rules/ Safety Codes or any other Statutory provision shall also be maintained. However, necessary help in this regard can be taken from concerned Safety Organisation.

11.2  
Gas Lines

To work in dangerous gas lines e.g. Coke Ovens gas line, Blast Furnace gas line, LD gas line etc. Employer will provide job safety induction to the Contractor’s personnel. For this the Contractor shall give in writing the list of personnel likely to work in gas line (new/ old) to the Engineer who in turn will arrange the safety induction to the Contractor’s personnel inside Employer’s Works. The Contractor shall ensure the presence of his personnel at place of safety induction (normally Central Gas Safety Station, E&E Department) and follow the steps, General rules & regulations as imparted during the training.
11.3  

**Electrician/ Other Electrical Personnel**

The Contractor shall engage qualified and competent electricians and other electrical personnel while working on electrical lines (which may be High Tension, Medium Tension and Low Tension electrical lines) for safe execution of Contract. The electricians and other electrical personnel must possess requisite certificate issued from competent authority.

**Electrical Equipment**

a) The Contractor shall ensure proper earthing of all electrical equipment/machinery prior to start of the machine. The Contractor shall also ensure daily examination of the earthing of equipment/machinery prior to start of the job in order to avoid electrical hazards.

b) The Contractor shall ensure use of proper cable (may be welding cable or power cable or control cable). The joints of the cables shall be perfectly insulated. The Contractor shall also ensure the use of proper plugs, sockets and other electrical fittings while executing any Contract.

11.4  

**Scaffolding/ lifting/ lowering/ dismantling of equipment or fabricated structurals or any other materials.**

i) For safe execution of the Contract, Contractor shall make a programme of a piece/ whole job, in sequence of steps involved in execution the required safety measures to be taken during the execution of the job.

ii) The Contractor shall ensure the use of sufficiently strong scaffolding with sufficiently strong hand railings during the execution of the job. The Employer will provide prints of “Standard Scaffolding Drawing” on request by the Contractor. Scaffold/ platform to be used by more than 2 persons has to be approved by the Site Engineer and the concerned Safety Organisation, jointly.
The Contractor shall ensure the use of scaffolding at construction site by his personnel working at height, fabricated as per standard drawing for scaffolding.

If the scaffolding as per the standard drawing is not found suitable at site, the Contractor shall make necessary modification to strengthen the same.

For any civil engineering job, the Contractor will provide adequate support before casting or any superstructure and provide approach, scaffolding etc., in such a manner that is safe, easy for movement of men, women and materials.

iii) The Contractor shall make his own arrangement for the area lighting/ spot lighting at fabrication yard. The Employer will provide power source at one point only near to the fabrication yard.

iv) The Employer will provide area lighting at erection site only. The Contractor shall make his own arrangement for spot lighting. The source of power supply at the nearest possible point will be shown by the engineer at site.

11.5 House keeping

i) The Contractor shall ensure good house keeping in his working area, fabricating yard as well as at erection site. The safe approach to the working place must be ensured. Place for keeping raw materials, semi-finished materials should be clearly marked with proper identification. Machine component shall be kept properly under shed.

ii) The Contractor shall keep the scrap material at one place duly barricaded and shall remove the same regularly from the work place.

iii) The Contractor shall stack properly the fabricated or any other items likely to be erected very shortly at erection site, in such a way that the materials do not cause congestion at site or create unsafe condition for free and safe approach.
iv) The Contractor should put up a board (minimum 4’ x 3’) indicating the name of the Contractor, details of the job, order No., starting date and likely completion date of the job. On completion of the job, the Contractor shall clear the site (good materials and scrap). The board so displayed shall be taken out of the site. Any material left after the job is over will be picked up by the Employer and the Contractor will be charged back for the same.

v) Barricading

The Contractor shall ensure barricading of the unsafe area, which can lead to accidents to any unknown person working in that area. In order to remove unsafe condition and prevent accidents, this unsafe area such as trench/ pit/ foundation, any type of opening made or left in any floor of the building including staircase etc. must be barricaded.

The hand railings shall be immediately provided in all the floors, stairs etc. before proceeding for erection/ dismantling.

vi) Removal of muck shall be done within 24 hours from road sides.

vii) The Contractor shall be responsible for removing all unwanted materials / scaffolds from the work site.

viii) The Contractor shall issue written as well as oral instructions from time to time, in addition to the precautions, measures spelt out above so as to ensure that the workers adhere to safety norms specifically needed for the particular job during the execution of the work.

11.6

The Contractor shall ensure that compressed air is not used for removing the dust from one’s clothes. Compressed shall not be blown against any one as it may injure or even kill him / her.

11.7

The Contractor shall provide, maintain and arrange for periodical checking of adequate numbers of fire extinguishers of appropriate type and other facilities (e.g. sand buckets, asbestos covering etc.) in fire prone areas.
11.8 The Contractor shall provide clearly demarcated access and exits at work site to take care in case of outbreak of fire or any other eventualities.

11.9 The Contractor shall ensure that smoking or keeping of naked light near gas lines, valves and any other equipment connected with gas distribution system and handling of all inflammable material is strictly prohibited.

11.10 The Contractor shall ensure that no one takes rest/shelter below any dumped slag, boulder or any other cut pit/excavation near any stock of materials, electrical installations and gas lines etc.

11.11 The Contractor shall ensure the availability of first aid box at the working sites.

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SAFETY INDUCTION FORM

(Name of the Organisation)

(NAME OF THE UNIT)

Safety induction to the Contractor for starting a job.

1. Name and address of the Contractor :

2. Contract/ Award Letter/ Work Order No. :

3. Name of the Department awarding Contract :

4. a) Probable date of starting the job :
   b) Duration :

5. Place & nature of work :

6. Name & designation of supervisors :
   i) Department (1) (2)
   ii) Contractual (1) (2)

7. Necessary safety precautions explained. :

8. Safety appliances advised for usage to the Workers :

Safety Engineering Department or Engineer’s representative

I have gone through the Safety Rules Book for Contractors and received a copy of the same. I shall follow all safety precautions/ instructions given to me and shall be responsible for safety of my staff/ employees/ workmen.

Signature of Contractor

Certified that requisite Safety Appliances are available with workers and Contractor is permitted to start the work.

Signature of Engineer

Certified that requisite Safety Appliances are being used and safety precautions/ measures are being adopted.

Safety Officers of Employer

Copy to :
1. Safety Department.
2. Operation/ Works Department.
3. Contractor with one spare copy.
WORK CLEARANCE FORM FOR CONTRACTORS

1. Name of Contractor's firm with address :

2. Engaged by which Department :

3. Name of the representative / supervisor of the Contractor supervising the job. :

4. Precise nature of work to be carried out / work order reference. :

5. Precise location of work :

1. Proposed date and time of commencement of work. :

2. Expected No. of days required for the work. :

3. Whether Contractor's workers are to be engaged in G/A/B/C shifts and No. of people engaged. :

I accept responsibility for ensuring that all men under my control shall observe the statutory safety requirement and follow the safety instructions of the plant.

Date : Signature of the Contractor

Certified that the Contractor has been engaged by us for the work described above.

Date : Signature of the Engineer

(Certificate to be given by the Department/Section where work is to be carried out)

You are authorised to carry out the work described below :

Date : Signature of the Safety Officer of the Employer.

Note :

1. The form shall be filled-in in triplicate by the Contractor for the record of (I) Safety Engineering Department, (ii) Department/Section granting clearance, (iii) Contractor.

2. These certificates are not a substitute for the electrical permits and do not give permission to use masked lights or work in gas hazardous areas or enter closed vessels or for explosives, which shall be taken separately whenever required.
(Name of the Organisation)  
(Name of the Unit)

INJURY ON WORK  
(Contractor’s Employees)

1. Name of the firm :  

2. Name of the Contractor :  

3. Name of Department (Awarding Contract) :  

4. Name of the injured person :  

5. Designation, gate pass No./ Token No. :  

6. Date and time of accident :  

7. Department where accident happened :  

8. Exact place of occurrence :  

9. Eye witness (name & designation) : 1)  

   2)  

10. Persons appraised of : 1)  

    2)  

11. Brief account of the accident :  

Date:                     Signature of the 
Contractor /  
Contractor’s supervisor  

(Particulars to be filled in by the Medical Officer)

1. Nature of injury :  

2. Injured person is fit/ unfit to return : to duty.  

3. If unfit, period of rest recommended :  

4. This employee has bee notified that he is fit/ unfit as per Sl. No.2.  
   (strike out which is not applicable).  

Date:  
Signature of the Medical 
Officer.  

Name :  
Seal :
Note:

1. When an injury occurs to a Contractor’s employee while inside the factory, the injured person should be sent to Plant Medical Unit immediately, with this form in triplicate.

2. The Medical Officer on duty at Plant Medical Unit will retain one copy and send one copy to Safety Engineering Department. The third copy shall be returned to the Contractor concerned after duly filling up the forms.

In case, the Contractor takes the injured person to his private doctor, he shall do so by giving a written undertaking to the doctor in Plant Medical Unit and to the Manager, Safety Engineering Department.

If the private doctor declares the injured person unfit for duty more than 2 days, this becomes a reportable accident under the Factories Act and the Contractor shall immediately report this to the Manager, Safety Engineering Department for sending reports to concerned Government agencies.

The Contractor shall also keep the manager (Safety) inform about:

a) The condition of the injured person;

b) The period of disability and

c) Any loss of earning capacity certified by the doctor.

The Contractor shall produce the fitness certificate from the attending doctor after the injured person is declared fit for duty.
Notice of Fatal Accident

(Name of the Organisation)

(Name of the Unit)

NOTICE OF FATAL ACCIDENT

(Contractor’s Employees)

Date:

From

(Name and address of the Contractor)

To

The Engineer

(Superintendent/ Manager)

Dear Sir,

We regret to inform you that _______________________________________, an employee of

M/s __________________________________ met with a fatal accident at ______ AM/PM, dated

_________ at ________________. At the time of accident, he was engaged in________

__________________________________________________________________________

(description of work)

Yours faithfully,

Signature of the

Contractor /

Contractor’s supervisor
Safety Code for Contactors – Additional safety conditions.

General Terms & Conditions

11.12 Make available all necessary personal safety equipments/ appliances such as safety helmets, safety boots, full body harness, gloves, leather gloves for welders, clear glass, safety goggles and other relevant, PPEs as advised by Safety Department or Departmental Safety Officer for the use of persons employed at the site of work and maintain in condition suitable for immediate use and shall take steps to ensure proper use of equipment by the workers.

11.13 Usage of full body harness and anchoring it at rigid place is to be ensured by the contractor or his supervisor who shall be present all the time on working spot.

11.14 Use only steel pipe scaffolding. However, temporary hanging platforms made of bamboos can be used where it will be securely fastened from top.

11.15 Contractor shall also ensure the presence of supervisor at site during the execution of the job.

11.16 Obtain passes from Safety Department for those persons who will be required to work at height of above 5 meter.

11.17 In case of contracts involving deployment of workers at a height exceeding 10 meters, the following clauses will also apply –

A) Persons carrying out such jobs should be selected by the Contractor within age group of 22 to 40 years.

B) All such persons should be medically examined for fitness and fit certificate may be issued by JLN Hospital, Bhilai. Rs.500/- per contract labour will be charged from the Contractors towards this medical examination by JLN Hospital, Bhilai.

C) Special Training is to be imparted by Safety Department for such persons.

11.18 Operating Authority will assess the penalty amount as per provision of Clause 5.11 giving regards to all the circumstances, in particular the nature and gravity of violation on the advice of Head of Safety Department and will issue a show-cause notice specifying there in the proposed penalty. Considering the cause shown by the Contractor, if any, the Operating Authority shall pass final orders which shall then be binding on the Contractor. The penalty amount shall be recoverable from any bill and/ or EMD/ SD of the Contractor without any further reference to him. Further, as per Clause 5.11, if required, operating authority and Head of Safety Department shall jointly recommend to the Managing Director of BSP cases of defaulting contractors liable to be debarred from award of further contracts indicating the period for which bar shall apply. They shall also recommend whether the existing contract shall come to an end or shall be allowed to be proceeded with. In the event of the decision being in favour of termination of contract, consequent upon violation of safety rules the remaining job will be got carried out at the risk and cost of the defaulting contractor.
11.19 Contractors should ensure that his workers follow all jobs specific safety precautions as instructed from time to time by Contract operating Authority or his representative.

11.20 (a) Persons working on platform above 02 meter from the ground level and persons working on the ground level on the periphery of the pit which is 02 meter or more deep must wear ISI safety belt and persons working on the platforms which are 05 meter above the ground level, but less than 10 meters, must undergo safety training for ‘working at height’ being imparted by Safety Engineering Department and must also wear safety belt. A certificate for such safety training for ‘Working at height’ will be issued to the person by Safety Engineering Department valid for a maximum period of one year.

(b) Persons working on the platform above 10 meter from the ground level and persons working on the ground level on the periphery of the pit which is 10 meter or more deep must use ISI safety belt and obtain medical / mental fitness certificate from the Medical officer of the company / Civil Surgeon, Drug. On the basis of this certificate, Safety Engineering Department will impart safety training for working at height and issue height pass. Height pass issued will be in the name of individual worker and its validity will be for a maximum period of 01 year only.

(c) On expiry, certificates of safety training for working at height as per 4(a) and height passes as per 4(b) will be renewed after the workers passes the tests and imparted training once again.

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