Sub: Tender for “Construction of Township (Type- I 12 nos., Type- II 10 nos. & Type- III 02 nos. Residential Qtrs.) in village, Hora Bangar, for ALIMCO Kanpur (UP).” of E.V ₹6.12Crs.


**Addendum No.1**

The Addendum No.1 is issued with reference to the above which shall be part of tender documents:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Reference</th>
<th>Instead of</th>
<th>To be read as</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Clause No.1 of NIT</td>
<td>Engineering Projects (India) Ltd. invites the online percentage (%) rate tenders on behalf of “ALIMCO Kanpur” through e-tendering……..following works.</td>
<td>Engineering Projects (India) Ltd. invites the open online e-Tenders percentage (%) rate type on behalf of “ALIMCO Kanpur” through e-tendering……..following works.</td>
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<tr>
<td>2</td>
<td>Clause No.1(a) of NIT</td>
<td>The experience certificates issued by Government Organizations / Semi Government Organizations / State Government Public Works Department / Central Government / Public Sector Undertakings / Autonomous Bodies / Municipal Bodies / Public Limited Companies listed on BSE / NSE and private party shall be accepted for assessing the eligibility of the tenderer. However, the certificates issued by Public Limited Company &amp; Private Party must be supported by work order &amp; TDS certificates.</td>
<td>The experience certificates issued by Government Organizations / Semi Government Organizations / State Government Public Works Department / Central Government / Public Sector Undertakings / Autonomous Bodies / Municipal Bodies / Public Limited Companies listed on BSE / NSE and private party shall be accepted for assessing the eligibility of the tenderer. However, the certificates issued by Public Limited Company &amp; Private Party must be supported by work order &amp; TDS certificates. TDS certificates for full contract value as mentioned in the work order must match failing which the same shall not be considered.</td>
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<td></td>
<td>Clause No.1(b) of NIT</td>
<td>Should have had average annual financial turnover of at least 30% of the estimated cost during the immediate last three consecutive financial years ending on 31.03.2016 duly certified by Chartered Accountant.</td>
<td>Should have had average annual financial turnover of at least 30% of the estimated cost during the immediate last three consecutive financial years ending on 31.03.2016 duly certified by Chartered Accountant. Turnover means income from construction work only.</td>
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<td>4</td>
<td>Clause No.1(c) of NIT</td>
<td>Should not have incurred any loss in more than two years during the immediate last five consecutive financial years, ending 31.03.2016, Copies of balance sheet/ Certificate from Chartered Accountant to be submitted.</td>
<td>Should not have incurred any losses in more than two years during the immediate last five consecutive financial years, ending 31.03.2016, Copies of Annual report/balance sheet and a Certificate from Chartered Accountant is also to be submitted.</td>
</tr>
<tr>
<td>5</td>
<td>Clause No.1(e) of NIT</td>
<td>Should have valid Permanent Account Number of Income Tax.</td>
<td>Should have valid Permanent Account Number of Income Tax. (Copy of PAN to be enclosed)</td>
</tr>
<tr>
<td>6</td>
<td>Last para of Clause No.1 of NIT</td>
<td>The credentials of the Bidders shall be verified and inspection of the works, if required, to be carried out by EPI. If not found satisfactory, their bid will be considered non-responsive.</td>
<td>The credentials of the Bidders with respect to Technical &amp; Financial criteria shall be verified and inspection of the works, if required, to be carried out by EPI. If not found satisfactory by EPI, their bid will be considered non-responsive.</td>
</tr>
<tr>
<td>7</td>
<td>Additional Conditions of Contract (ACC) of Volume-II of tender documents.</td>
<td>Additional Conditions of Contract (ACC) of Volume-II stands deleted.</td>
<td>Additional Conditions of Contract (ACC(R)) is attached at Annexure-“A”.</td>
</tr>
</tbody>
</table>

8. The estimated cost put to tender (BOQ rates) is exclusive of taxes, but the tenderer has to include all taxes in their quote.

All other terms & conditions shall remain unchanged.

ED (Contracts)
23.05.2017
ADDITIONAL CONDITIONS OF CONTRACT (ACC(R))

1.0 The following Additional Conditions of Contract shall be read in conjunction with General Conditions of Contract. If there are any provisions in these Additional Conditions of Contract, which are at variance with the provisions of General Conditions of Contract, the provisions in these Additional Conditions of Contract shall take precedence.

2.0 INTRODUCTION

Artificial Limbs Manufacturing Corporation of India (ALIMCO), Kanpur under the Ministry of Social Justice and Empowerment, Department of Empowerment of Persons with Disabilities, Govt. of India intends to Construction of Township (Type- I 12 nos., Type- II 10 nos. & Type- III 02 nos. Residential Qtrs.) in village, Hora Bangar, for ALIMCO Kanpur (U.P.). EPI on behalf of ALIMCO has invited the NIT as an open tender from the eligible bidders as per NIT.

3.0 APPROACHES TO WORKSITE

The contractor shall make his own arrangement for approach to work site including borrow/ disposal area and for movement of men, materials, machineries, other equipment etc. required for carrying out the work under this contract.

The access roads/ path to the work site may not be available at all places and at all time. The contractor shall plan his work as per the availability of access roads/ path at site. All drainage of works area and all weather truck able haulage roads as required by the contractor shall be constructed and maintained during the construction period by the contractor at his own cost, including portions of the road already existing.

4.0 WATER AND ELECTRICITY

The contractor shall make his own arrangement for water and electrical power for construction and other purposes at his own cost and pay requisite electricity and water charges. The contractor shall also make stand by arrangements for water and electricity to ensure un-interrupted supply.

The contractor is advised to quote his rates for different works accordingly.

5.0 SCOPE OF WORK INCLUDED IN THE CONTRACT

The brief scope of work as mentioned below included in this tender shall include (but not limited to) Civil, External & Internal Electricals, Plumbing, Water supply, Fire fighting, landscaping and Horticulture etc. for Construction of Township (Type- I 12 nos., Type- II 10 nos. & Type- III 02 nos. Residential Qtrs.) in village, Hora Bangar, for ALIMCO Kanpur (U.P.).
6.0 QUALIFICATION OF TENDERERS

To be eligible for this tender the bidders should fulfill the requirements for eligibility as mentioned in the Notice Inviting Tender (NIT) and should submit detailed data and credentials set out in Clause No. 19.0 of ITT at page no.- 5 (Vol-I), NIT of the tender. The bidders are required to fulfill all the eligibility criteria as stipulated in NIT documents and elsewhere in the Tender documents. The price bid of only those bidders who fulfill the eligibility criteria as per evaluation of EPI shall be opened and the offers of those not fulfilling the eligibility criteria strictly shall be rejected and their Price bid shall not be opened. The decision of EPI/ ALIMCO in this regard shall be final & binding on the bidders.

7.0 SPECIFICATIONS

7.1 The work under the contract shall be carried out in accordance with the schedule of items of work, the particular specifications drawings forming part of this tender document, and the general conditions and other provisions of the tender.

7.2 The work in general shall be carried out as per latest CPWD specifications for Civil Works (updated with correction slips issued up to last date of submission of tender) and latest CPWD specification for electrical works (updated with correction slips issued up to last date of submission of tender) unless otherwise specified in the nomenclature of the individual item or in the particular specifications of concerned items of works.

7.3 For items not covered under latest CPWD specification, for Civil Works / latest CPWD specification for Electrical Works and in particular specification or nomenclature of the individual item as above, the work shall be done as per latest relevant BIS codes of practice.

7.4 In case specification are not covered under para 7.1 & 7.3 above the work shall be carried out as per the provisions of technical specification given in Vol. II

7.5 In case of non availability of any specification in the above paras or any overlapping provisions, non-clarity on any issue, applicability of particular provision out of above, shall be decided by Engineer-in-Charge whose decision shall be final & binding on the contractor.

7.6 Thermo Mechanically Treated bars conforming to IS: 1786, Fe 500 grade as required, from approved manufacturers viz SAIL/RINL/TISCO shall be used. The other provisions of clause 45.2 of G.C.C. remain unchanged.

The structured steel used on the works shall also be by prime manufacturers i.e. SAIL, TISCO, RINL.

7.7 Ordinary Portland Cement (OPC) as per IS:8112 shall be used in the works. In case ordinary Portland Cement will not available. The Portland Pozzolona Cement (PPC) as per IS:1489-1991 can be used and difference of price if any shall be recovered from the contractor.

7.8 Specified material viz: cement, steel, structural steel etc shall be used. Material other
than specified shall be used only with prior approval of client/EPI and recovery at prevailing market rate shall be done if material other than specified used.

7.9 The contractor is responsible for executing and completing the work in accordance with the specified standards and specification and as per requirements of GOLD rating of GRIHA. Construction quality control is intended to provide a comprehensive common and consistent framework of quality control which is comprised of two main elements.

- Testing
- Inspection

7.10 The contractor shall be responsible for the types of test to be carried out, frequency of testing and stage of testing as directed by Engineer-in-charge or as stipulated in Indian Standards / CPWD Specifications for relevant works. The cost of all these tests shall deemed to be included in the item rates quoted by the contractor.

7.11 Specialized work will be carried work by the specialized agency duly approved by Engineer Incharge.

7.12 Contractor will ensure the compliance with CPWD norms, CTE, CVC and any other guidelines of Govt. of India.

7.13 Contractor shall be responsible for the consequential effects arising out of the inspection of the project by the Chief Technical Examiner Cell, Central Vigilance Commission. CAG or any other statutory body during the progress or any time after the completion of project and shall take appropriate action including submission of documentary support, records, replies etc. rectification of defective work at the risk and cost of the Contractor. Rectification of defective work/ replacement of substandard as pointed out by Chief Technical Cell, CVC, ALIMCO/ EPI or his authorized representative shall be carried out by Contractor at their own cost. ALIMCO/ EPI shall not be directly responsible to submit requisite information/ details or pay any extra amount for such type of queries/ liabilities.

8.0 Clause No.69.1 (IV) of GCC stands modified as under:

If the rates for the altered, additional or substituted work cannot be determined in the manner as specified, then the Contractor shall, within 7 days of the date of receipt of order to carry out the work, inform the Engineer-in-Charge the rates which he intends to charge for such class of work, supported by analysis of the rate or rates claimed, and the Engineer-in-Charge shall determine the rate or rates on the basis of prevailing market rates of the material, Labour, T&P etc. plus 15% (Fifteen percent) to cover the Contractors supervision, overheads and profit and pay the Contractor accordingly. The opinion of the Engineer-in-charge as to the current market rates of materials and quantum of labour involved per unit of measurements will be final and binding on the Contractor. However, the Engineer-in-Charge, by notice in writing, will be at liberty to cancel his order to carry out such class of work and arrange to carry it out in such manner, as he may consider advisable. But under no circumstances, the Contractor shall suspend the work on the plea of non-settlement of rates of items falling under the clause.
9.0 The clause No.72.1 of GCC shall be replaced as under:

The Contractor shall ensure adequate progress during the execution of work according to the detailed Bar Chart / PERT chart so that the activities are completed in the period allowed in the completion schedule as given in Additional Conditions of Contract (ACC).

However, the Contractor shall also maintain monthly progress strictly in accordance with bar chart and / or detailed time schedule that will be worked out on the basis of completion schedule for various stages in ACC. If the Contractor fails to maintain the above progress or to complete the work and clear the site on or before the contract or extended date of completion, he shall without prejudice to any other right or remedy of the EPI on account of such breach. Compensation for delay shall be charged @0.5% of the balance value of work per week of delay, subject to maximum of 10% of the balance value of work.

10.0 DISQUALIFICATION

The bidders may note that they are liable to be disqualified and not considered for the opening of Price Bid if;

a) Representation in the forms, statements and attachments submitted in the pre-qualification document are proved to be incorrect, false and misleading.

b) They have record of poor performance during the past 10 years such as abandoning the work, rescinding of contract for which the reasons are attributable to the non-performance of the contractor, inordinate delay in completion, consistent history of litigation / arbitration awarded against the contractor or any of its constituents or financial failures due to bankruptcy etc. in their ongoing / past projects.

c) They have submitted incompletely filled in formats and or/ without attaching certified supporting documents and credentials as indicated in the eligibility criteria to establish their eligibility to participate in the tender.

d) If the bidders attempt to influence any member of the selection committee.

e) Non submission of EMD or partial submission of EMD.

EPI reserves its right to take appropriate action including disqualification of bidder(s) as may be deemed fit and proper by EPI at any time without giving any notice to the contractor in this regard. The decision of EPI in the matter of disqualification shall be final and binding on the bidders.

11.0 EPI reserves the right to independently verify the performance of the bidder from the existing owners / users / owners’ Consultants. In case any execution of work/ Project is found to be performing unsatisfactorily, EPI reserves the right to reject the tender and price bid of such bidder shall not be opened, even if the bidder is meeting the technical and other qualifying requirements.
In such circumstances the bidder shall have no claim on EPI of whatsoever nature.

Bidder’s specific attention is drawn to above clauses.

12.0 Clause no 1.0 of Instructions to Tenders i.e. Mode of submission shall also include the following paras:

(a) The Envelope-1 shall also contain the documents meeting the eligibility criteria mentioned in “Notice Inviting Tender and “INSTRUCTIONS TO TENDERERS”.

(b) The tenderer who download the tender documents directly from EPI’s website shall have to submit tender fees of Rs. 10,000/- (Ten Thousand only) (Non-Refundable) by Crossed Demand Draft favouring “Engineering Projects (India) Ltd.”, payable at Delhi along with their bid in Envelope-1.

13.0 CLAUSE NO.1.1 OF INSTRUCTIONS TO TENDERERS as given in Page (2) of INSTRUCTIONS TO TENDERERS stands amended as below:

First the Envelope-1 of the tenderer shall be opened. Tenderers who unconditionally accept the tender conditions, deposit the required Earnest Money, meet the eligibility criteria mentioned in NIT, deposit the tender fees and whose Techno-Commercial Bid is found eligible, shall be considered for the opening of their Price Bid and Envelope-2 of such tenderers shall only be opened. The Tenders not accompanied by requisite Earnest Money and/or not accompanied by the requisite tender fees and / or not conveying un-conditional acceptance of tender conditions and / or not meeting the eligibility criteria or whose Techno-Commercial Bid are not found acceptable, shall be rejected and such tenderer shall not be eligible and allowed to attend Price Bid opening i.e. opening of Envelope-2.

14.0 Bidders must submit the unpriced copy of the price bid duly stamped & signed along with other documents in the techno-commercial bid as a confirmation of having quoted for all items of the price bid.

15.0 DRAWINGS

a) Before filling in the tender, the tenderer will have to check up all drawings and schedule of quantities and will have to get the immediate clarification from EPI on any point that he feels is vague or uncertain. No claim for damages or compensation will be entertained on this account, in future.

Figured dimensions are in all cases to be followed and in no case should they be scaled. Large scale details take precedence over small scale drawing, in case of the discrepancy; the contractor is to ask for clarification before proceeding with the work.

b) The drawings attached to the tender documents provide a general idea about the work to be performed under the scope of this contract. These are preliminary drawings for tender purpose only and are by no means the final/GFC drawings and may not be showing the full range of the work under the
scope. The details given in the tender drawings are tentative and likely to be changed / modified during the detailed engineering.

c) The work has to be executed according to “Good for Construction” drawings issued by Engineer-in-charge with addition and modifications made from time to time as and when required and approved by Engineer-in-charge. The drawing shall be progressively released to site before the start of the corresponding work.

Before the commencement of any item of work, the contractor shall correlate all the relevant architectural and structural drawings issued for the work and satisfy himself that the information available there from is complete and unambiguous. The discrepancy, if any, shall be brought to the notice of Engineer-In-Charge before the execution of work. The contractor alone shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and / or incomplete information. Nothing extra shall be paid on this account.

16.0 SITE LABORATORY

As part of the contract the contractor shall provide and maintain a site laboratory for the routine testing of construction material under the direction and general supervision of Engineer-in-charge. The laboratory room shall be constructed and installed with the appropriate facilities. Temperature and humidity controls shall be made available wherever necessary during the testing of samples.

All equipments shall be provided by the contractor so as to be compatible with the specified testing requirements. The contractor shall maintain the equipment in good working conditions for the duration of the contract.

The Contractor shall provide approved qualified personnel to run the laboratory for the duration of the contract. The number of staff and equipment available must at all times be sufficient to keep pace with the sampling and testing programme as required by Engineer-in-charge. The laboratory Incharge of the contractor shall report to Engineer-in-charge.

The Contractor shall fully service the site laboratory and shall supply everything necessary for its proper functioning, including all transport needed to move equipment and samples to and from sampling points on the site etc.

The Contractor shall re – calibrate all measuring devices whenever so required by the Engineer-in-charge and shall submit the results of such measurements without delay.

For all other tests as required by Engineer-in-charge, the Contractor shall get the same carried out / conducted by approved testing Laboratory. In addition if, EPI /ALIMCO feels, may direct the Contractor to conduct the tests in the presence of EPI/ALIMCO representative at site lab / outside labs. All expenses payable for transport of samples and conduction of tests shall be borne by the contractor.
17.0 VARIATION IN TAXES, DUTIES, LEVIES & IMPOSITION OF NEW TAXES ETC:

i) The price bid shall be inclusive of work contract tax / VAT / GST / Labour Cess or any other tax levied on the transfer of property and goods involved in the “Works Contract” in accordance with the relevant Act in the State Act and rules made there under including amendments, if any. The liability on account of such tax as per the rates of tax prevailing as on seven days prior to last date of bid submission shall be included in the price bid. In case of any variation in the rates of tax after this date, the same shall be paid / recovered from the contractor subject to the submission of documentary evidence and proof of having made the payment at the revised rate.

ii) The price bid shall also be inclusive of all category of Service tax, wherever applicable on Construction Service as per the rates prevailing as on seven (7) days prior to the last date of submission of tender (including abatement as applicable). In case of any variation in the rate of Service Tax or any other taxes, after this date, an equitable adjustment of the Contract Price shall be made to fully take into account any such change by addition / deduction to the Contract Price.

iii) If a new tax, duty or levy is imposed under statute or law in India after the date seven (7) days prior to the last date of submission of tender and the contractor becomes liable there under to pay and actually pays the said new tax, duty or levy for bonafide use on the works contracted, the same shall be reimbursed to the contractor against documentary evidence of proof of payment, provided that the amount thus claimed is not paid / payable under price variation provision of the Contract. The reimbursement is subject to receipt of reimbursement claim from client by EPI and submission of proof that taxes are paid for this work only by the contractor. Contractors are requested to deposit the taxes through separate challan for this project for claiming reimbursement failing which taxes shall not be reimbursed.

iv) The payment / reimbursement of statutory variations in the rates of tax and / or of new tax, duty or levy imposed under statute or law in India as per para (i), (ii) & (iii) above, would be restricted only to direct transaction between the EPI and the Contractor.

v) Rates shall remain firm till completion of entire works and shall be inclusive of all taxes, Service tax, Entry tax, duties, Octroi, Royalties, VAT/WCT,GST (if applicable) or any other similar tax in the state concerned, Labour Cess and other levies etc. as applicable.

18.0 PRICE VARIATION

No price variation is allowed in this contract since it is a firm rate contract till completion of work and price are fixed and firm till handing over the work to the satisfaction of client.

19.0 FINAL BILL

The final bill will be submitted by the contractor within 90 days from the date of acceptance of completion of work accompanied by the following documents.
a) Interim Completion certificate issued by the Engineer-in-charge specifying the handing over of the work including list of inventories (fittings & fixtures).

b) Computerized stage wise payment schedule.

c) No claim certificate by the contractor.

d) No claim certificate from the sub agencies / venders engaged by the contractor.

e) 'As built' drawings.

f) Periodical services and measurement books.

g) Drawings for layout of underground cables and details showing location of sluice valves, electric cable joints etc.

h) All operation and maintenance manuals.

i) All statutory approvals from various state / central govt. local bodies, if required for completion & handling over of the work as included in scope of contractor.

j) Manufacture’s guarantee of various machines / equipments installed as part of works.

20.0 For dispatch of materials to site, equipment manufacturer / supplier shall mark consignee as self A/c Artificial Limbs Manufacturing Corporation of India (ALIMCO) through Engineering Projects (India) Ltd (EPI).

21.0 GENERAL

21.1 Flooring works shall be executed as per the approved drawings / design & specifications. The pattern shown in the tender drawings, if any, can be modified as per the site requirements by Engineer-in-Charge within the proportions of the flooring materials to be provided and nothing extra whatsoever shall be payable over and above the rate quoted.

21.2 The water proofing for the terraces, underground tanks / toilet floor etc. shall be got executed only through the authorized applicators of the manufacturers and the guarantee for the same shall be in the name of EPI / owner for a period of ten years after the expiry of defect period liability on the prescribed format given in the GCC.

21.3 Plumbing & Sanitary work to be executed by licensed plumber and the plumbing scheme / drawing to be got approved from statutory authorities through the appointed licensed plumber without any extra cost. The agency shall have to submit the valid license of plumbers before starting the work.

21.4 SCI pipes for sanitary and GI pipes for water supply if fixed in RCC members like columns, beams etc. shall be fixed with scrub plugs.

21.5 The contractor shall be responsible for all protection of sanitary, water supply,
electrical fittings & fixture against pilferage, breakage during period of installation until the completion of work and handed over to EPI.

21.6 Welding wherever required in the work like in grill, railing etc shall be done in full length of the contact area and grinding shall be done properly to get an even surface. SFRC covers for manholes etc, if provided, shall have name of owner / client and year of manufacturer as engraved.

21.7 The electrical works shall be executed only through licensed electrician and the agency shall have to submit the valid license of electricians before starting the work.

21.8 It will be the sole responsibility of contractor to obtain all statutory approvals / compliance required for construction / implementation of the project including right of way Forest clearance and completion clearance from the all relevant statutory bodies for plumbing, sewerage, sanitary and PHE work, fire department for fire protection, fire fighting, fire fighting installation, electrical works etc. and for all other services as included in the scope of contract etc. from the concerned department as required within the stipulated time frame. Liaison work on behalf of EPI / owner with the local bodies will also have to be done by the contractor. Nothing extra shall be payable to contractor on this account.

21.9 The contractor shall erect MS sheet fencing along the periphery of the site as per drawing of EPI with proper colour as directed by the Engineer-in-Charge and name / logo, safety slogan etc. written at appropriate places within ten days of issue of LOI. The contractor shall be responsible for daily cleaning of this fencing with water etc. to keep the fencing in neat & clean condition at all times. The damaged fencing should be replaced immediately by the contractor. The cost of MS sheet fencing, its maintenance etc. is deemed to be included in the quoted rates. The contractor shall engage sufficient number of security guards at his cost to ensure controlled entry to site and not to allow unauthorized personnel at site.

21.10 The tenderers shall make necessary safety arrangements at site including as mentioned in GCC and indemnify EPI against any consequence of accident at site.

EPI is awarding this Contract on behalf of ALIMCO. In case M/s. EPI cease to be an agency for the project, the right and responsibility etc. of EPI in the Contract shall get transferred to ALIMCO or their nominated agency shall operate this Contract.

22.0 ROAD PERMIT

Road permit for transportation of goods across state border shall not be issued by ALIMCO / EPI and will have to be arranged by contractor on his own. Transit Insurance of the equipment shall be arranged by the contractor. Nothing extra shall be paid on this account.

23.0 Invoice should be raised by Contractor in the name of Engineering Projects (India) Ltd., at Project Site Office.
24.0 MOBILIZATION ADVANCE

Interest bearing Mobilization Advance is applicable in this contract as clause no 8.0 of GCC. The recovery of Mobilization Advance paid shall be commenced after @10% of work is completed and the entire amount together with interest shall be recovered by the time 80% of work shall be completed. Mobilization advance shall be 10% of contract value and interest rate shall be (SBI Base rate + 2%) but not below 12% whichever is higher.

25.0 CLAUSE NO. 72.4.1 (TIME ESSENCE OF CONTRACT & EXTENSION FOR DELAY) OF GCC STANDS MODIFIED AS UNDER

As the completion time is the essence of the contract, Agency may require additional resources, men & machinery, which has to be considered while quoting.

Within 10 (Ten) days of date of Letter of Intent, the contractor shall submit a Time and Progress Chart (CPM/PERT/Quantified Bar Chart) and get it approved by the Engineer-in-Charge. The Chart shall be prepared in direct relation to the time stated in the contract documents for completion of items / scope of the works. It shall indicate the forecast (mile stones) of the dates of commencement and completion of various items, sections of the work and may be amended as necessary by agreement between the Engineer-in-Charge and the Contractor within the limitations of time imposed in the contract documents, to ensure good progress during the execution of the work. The approval by the Engineer-in-Charge of such programme including modifications made by the Engineer-in-Charge in the said programme shall not relieve the contractor of any of his duties or responsibilities under the contract. This is without prejudice to the right of Engineer-in-Charge to take action against the contractor as per terms and conditions of the agreement.

The physical report including photographs shall be submitted by the contractor on the prescribed format & the intervals (not later than a month) as decided by the Engineer-in-Charge. The compensation for delay as per clause 72.1 as above shall be leviable in case the required progress is not achieved to meet the time deadlines of the completion period for execution of the complete work as per scope of work.

In case entire work is completed within the total time period of completion or extended period of completion allowed, the compensation for delay due to not achieving progress at intermediates stage, if any, shall be refunded without any interest charges.

26.0 PLANT AND MACHINERY

All plant & machinery required for execution of work shall have to be arranged by the contractor at his own cost. However, the contractor has to deploy following minimum plant & machinery in good condition at site immediately after award of work.

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Description</th>
<th>Minimum Number Required</th>
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<tbody>
<tr>
<td>1</td>
<td>Total station for surveying work.</td>
<td>One</td>
</tr>
<tr>
<td>2</td>
<td>Vibrators (Petrol / Electrical)</td>
<td>Six</td>
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</table>
3. Needles of Vibrator  
4. Excavator/Poclain  
5. Tipper / Dumper (3 cum.)  
6. DG Set (63 KVA & 125 KVA)  
7. Leveling Instruments  
8. Water Tanker  
9. Concrete Mixture machine with weigh batcher 14/10 capacity  
10. Tractor with trolley for transportation of material  
11. The agency shall provide sufficient area lighting for the safe execution of works during night hours through static / mobile arrangements.  
12. Laboratory equipments

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**Note:**

a) In addition to above contractor has to arrange sufficient plant & machineries to complete the work as per completion schedule.

b) Any other equipment for site test as outlined in CPWD / BIS specification and as directed by the Engineer–in–charge.

c) The quantities of equipments mentioned above are indicative only and can be increased as per the requirement of quantum work OR as per the direction of Engineer-in-Charge. The above equipment list is indicative and not complete. The contractor has to deploy all the required equipment to complete all the works within stipulated specifications and time period as per contract documents.

d) The contractor will not be allowed to take out equipments from the site without the written permission of Engineer-in-charge.

e) In the event of breakdown of any equipment the contractor should immediately mobilize replacement of the said equipment.

### 27.0 CENTERING & SHUTTERING

27.1 Centering & shuttering works for columns shall be made out of laminated shuttering plywood of minimum 12mm thickness as per BIS, with angle iron frame. The staging system shall be got approved from the Engineer-in-charge. Scaffolding of latest materials/round steel pipes with couplers and brackets shall be used. Wooden planks, props, ballies etc are not permitted for use and steel plate shuttering is also not permitted.

27.2 The shuttering used for beam shall be of laminated shuttering plywood as per BIS. The support system shall be integrated with the slab. For slabs in case ply wood shutters is not used,( because of site or practical consideration) welded steel plates
will be allowed to be placed in uniform pattern. The thickness of plates and pattern to be got approved from the Engineer-in-charge.

27.3 All joints in the shuttering i.e. plate to plate etc shall have to be sealed with adhesive / foam, to ensure water tightness of the form work.

27.4 All shuttering work for Architect features shall be with fiber glass moulds and the rate quoted by the contractor in the schedule of rate shall be inclusive of same.

27.5 All shuttering joints in the slab, beams and lintels etc. shall be treated with tape of required width to make it water tight and the rates quoted for centering shuttering work shall be all inclusive and nothing extra whatsoever shall be payable over and above the quoted price.

27.6 The shuttering shall be tightened by using runners, tie rods and bracings. No Ghughoo / welded system shall be allowed. Support shall be adequate and proper.

28.0 CONCRETING

28.1 The concreting shall be done by mixture machine with weigh batcher 14/10 hr capacity.

28.2 Alternatively, the contractor may opt to use Ready Mixed Concrete (within 50km distance from the site of work) of repute after obtaining prior written approval from the Engineer-in-charge at his own cost. No extra payment shall be made on this account.

Ready mix concrete brought from outside sources or produced at site shall have minimum quantity of cement as specified in BIS specifications and as per approved design mix

28.3 The batching plant of minimum capacity of 30cum./hr. with a least count of 0.5kg, drum type four load cells, computer compatible print out for each batch only shall be allowed.

28.4 The concreting shall be placed by concrete pumps of required capacity. Concreting by crane and buckets will be allowed in rare case with the prior approval of Engineer-in-charge.

28.5 The contractor shall provide construction joints only at the specified positions and as per BIS codes and the concreting for columns shall be floor to beam height in one lifts, and in case the concreting is to be done in two lifts the minimum height of first lift of columns shall be 2.4 meters.

28.6 The stone aggregate and sand of required zone shall be from the quarries as approved by Engineer-in-charge. The samples of the materials shall be got approved along with the mix design.

28.7 Plasticizers of the required specification and make shall only be permitted as per approved mix design.
28.8 The contractor shall provide all cut outs in RCC work in co-ordination with other agencies and as per instructions of Engineer-in-charge and nothing extra shall be payable. In case the same is not provided by the contractor the same shall be got done at their risk and cost.

28.9 To ensure proper cover, only factory made approved cover blocks will be used to avoid displacement of bars in any direction.

28.10 The steel bars of different diameter should be stored about 30-45 cm. above ground level or on concrete surface to avoid corrosion of steel. No extra payment shall be made on this account.

29.0 DESIGN MIX CONCRETE

29.1 Design mix concrete shall be used in the work for all structural members. For design mix, CPWD specification along with relevant IS codes shall be followed in general along with the specific provisions made herein.

29.2 All parameters shall be adopted for design mix as per latest relevant BIS code.

29.3 Approved admixtures conforming to latest relevant IS code shall be permitted to be used. The chloride content in the admixture shall satisfy the requirement of latest IS code. The total amount of chloride content in the admixture mixed concrete shall satisfy the requirement of latest IS code.

29.4 The concrete mix design with and without admixture will be carried out by the contractor through one of the following laboratories/ Test houses to be approved by Engineer-in-charge.

- IIT, NIT only

29.5 In the event of all the above laboratories being unable to carry out the requisite design/ testing, the contractor shall have to get the same done from any other reputed laboratory with prior approval of the Engineer-in-charge.

29.6 The various ingredients for mix design/ laboratory tests shall be sent to the lab/test houses through the Engineer-in-charge and the samples of such ingredients sent shall be preserved at site by the department till completion of work or change in Design mix whichever is earlier. The sample shall be taken from the approved materials which are proposed to be used in the work.

29.7 The contractor shall submit the mix design report from approved laboratory for approval of Engineer-in-charge within 45 days from the date of issue of letter of acceptance of the tender. No concreting shall be done until the mix design is approved.

29.8 The contractor shall make cubes of trial mixes as per approved mix design for all grades of concrete in presence of the Engineer in charge using same ingredients as adopted for design mix, prior to commencement of concreting and get them tested in presence of Engineer-in-charge for 7 days and 28 days. For each design mix, a set
of six cubes shall be prepared from each of the three consecutive batches. Three cubes from each set shall be tested at the age of 7 days and three cubes at the age of 28 days. The cubes shall be made, cured, transported and tested strictly in accordance with CPWD specifications. The average strength of nine cubes at the age of 28 days shall exceed the specified target mean strength for which design mix has been approved.

29.9 80% of the total tests shall be done at the laboratory established at site by the contractor and remaining 20% in the approved laboratory as directed by Engineer-in-Charge and the testing charges of the samples shall be borne by the contractor.

29.10 For each change of source or quality/ characteristic properties of the ingredients from that approved & used in the concrete mix during the work, a fresh mix design shall be got done by the contractor. Revised trial mix test shall be conducted at laboratory established at site/ reputed Laboratory with prior approval of Engineer-in-charge and shall be submitted by the contractor as per the direction of engineer-in-charge.

29.11 The cost of packaging, sealing, transportation, loading & unloading cost of all samples-concrete /cubes/ steel/ other material etc and the testing charges for mix design in all cases shall be borne by the contractor.

### 30.0 COMPLETION SCHEDULE

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Period from the date of Start</th>
<th>Cumulative Value as a percentage of total value of work to be completed till the end of period specified as under Column No. 2 (Milestone)</th>
<th>Description of work to be completed during the period specified under column no. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>From the date of start to the end of 3rd month.</td>
<td>30%</td>
<td>Completion of foundation upto plinth level.</td>
</tr>
<tr>
<td>2</td>
<td>From the start of 4th month to the end of 8th month.</td>
<td>70%</td>
<td>Completion of structure / brick work of all buildings and Completion of 50% flooring, plastering, internal services of electrical and start of other services.</td>
</tr>
<tr>
<td>3</td>
<td>From the start of 9th month to the end of 10th month.</td>
<td>90%</td>
<td>Completion of all balance civil work including electrical, plumbing etc.</td>
</tr>
<tr>
<td>4</td>
<td>From the start of 11th month to the end of 12th month.</td>
<td>100%</td>
<td>Finishing of all the work and finally handing over the project to Client.</td>
</tr>
</tbody>
</table>
**Note**: In case of mismatch in financial and physical progress as above at any milestone stage, the financial progress shall be considered for levy of compensation of delay, if any. All infrastructural development works shall be completed within the stipulated time frame.

**31.0** The contractor shall comply with legal orders, directions and by laws of local bodies / authorities. The contractor shall give to the Municipality, Police, Local Bodies and concerned Governmental authorities all necessary notices relating to works that may be required under the law and obtain all requisite licenses, permissions for temporary obstructions, enclosures, collection and stacking of materials, etc. The contractor shall pay at his own cost all fees, taxes and charges that may be liable on account of these operations in executing the contract. Nothing extra shall be paid by EPI on this account.

The contractor shall be bound to follow the instructions and restrictions imposed by the administration / Police authorities on the working and / or movement of labour, materials etc. nothing extra shall be payable due to less / restricted working hours at site or any detours in movement of vehicles.

**32.0  INSPECTION, TESTING AND ACCEPTANCE**

**32.1  TEST CERTIFICATE**

All manufacturer’s certificates of test showing that the all equipments/ materials have been tested in accordance with the requirements of the relevant standard specification and the copy of the test certificate as well as standard shall be supplied free of cost to EPI/ALIMCO.

**33.0  GUARANTEE**

The contractor shall also guarantee the performance of individual equipment.

**34.0  INSURANCE UNDER WORKMEN COMPENSATION ACT**

The clause ’18.0’ (Insurance Under WCA) at page 22 of General Conditions of Contract (GCC shall be replaced and read as under:

Contractor is required to take insurance cover under the workmen compensation Act, 1923 amended from time to time from an approved insurance company and pay premium charges thereof. Wherever required by EPI, the contractor shall produce the policy or the policies of Insurance and the receipt of payment of current premium. In the event of an accident, any workmen employed by the contractor for execution of the works, suffers an injury or death and is to be compensated under the provisions sub-section (1) of section 12, of the workmen’s Compensation Act, 1923 by the contractor and if the contractor fails to compensate, the EPI / ALIMCO shall be entitled to recover from the contractor the amount of the compensation so paid, without prejudice to the rights of the EPI / ALIMCO under section 12, sub-section (2), of the said Act.
EPI / ALIMCO shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due to the Contractor whether under this contract or otherwise. EPI / ALIMCO shall not be bound to contest any claim made against it under sub-section (1) Section 12, of the said Act, except security for all cost for which EPI / ALIMCO might become liable in consequence of contesting such claim.

35.0 INSURANCE OF WORKS

The Insurance coverage as stipulated in General Conditions of Contract (GCC) clause no. 17 (Insurance of works), clause no. 18 (Insurance under WCA) and clause no. 19 (Third Party Insurance) shall be in the joint name of ALIMCO, EPI and the Contractor for the contract period and 24 months after Successful completion / handling over of work. The Insurance coverage shall be on the total value of work awarded to contractor by EPI.

36.0 CLAUSE NO. 35.0 OF GCC (SECURED ADVANCE AGAINST NON-PERISHABLE MATERIALS) STANDS DELETED.

37.0 PERMITS AND INSPECTIONS

The contractor shall obtain all necessary permits from local bodies, provincial or central authorities and shall make arrangement for inspection and tests etc. as required at his own cost.

The contractor shall have to make his own arrangements for getting the permission for plying trucks or any Plant & Equipment for execution of works from the Police Department/ Govt. authorities at his own cost. No excuse as to delay in work due to non-availability of permission shall be entertained.

38.0 LICENSES

The contractor shall arrange for obtaining the license and clearances for the operation. (If required) from the local authorities and statutory bodies at his own cost & nothing extra shall be payable. Certification of various equipments / installations from statutory bodies other agencies as required as per technical specifications, shall be arranged by contractor at his own cost before handing over.

39.0 The work shall be carried out in accordance with the drawings/documents approved by the EPI / ALIMCO. Before the commencement of any item of work, the contractor shall correlate all the relevant architectural and structural drawings issued for the work and satisfy himself that the information available there from is complete and unambiguous. The discrepancy, if any, shall be brought to the notice of Engineer-In-Charge before carrying out surveying work. The contractor alone shall be responsible for any loss or damage occurring by the commencement of work on the
basis of any erroneous and / or incomplete information. Nothing extra shall be paid on this account.

40.0 The contractor shall be bound to sign the site order book as and when required by Engineer-In-Charge at Site and carry out compliance of instruction promptly to the satisfaction of Engineer-In-Charge.

41.0 Bill of Quantities shall be read in conjunction with the specifications and requirement described in tender documents, Instructions to tenderers, General conditions of contract, Additional conditions of contract, Technical specifications, Drawings, Schedules, and Annexure & Addendum etc. to tender document.

General directions and description of work and materials are not necessarily repeated or summarized in the Bill of quantities. Reference to the relevant sections of the contract document shall be made by the contractor before entering rates or prices against each item in the Bill of Quantities.

42.0 SITE ENGINEER OF CONTRACTOR

The Contractor shall employ at his cost the adequate number of technical staff during the execution of this work depending upon the requirement of work. For this purpose the number of staff to be deployed, their qualification, experience as decided by EPI shall be final and binding on Contractor. The Contractor shall not be entitled for any extra payment in this regard. The technical staff should be deployed on full time basis & available at Site, whenever required by EPI to take instructions.

However, Minimum qualifications and experience required for principal technical rep. and other minimum technical staff other than supervisor is given below:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Qualification</th>
<th>Minimum Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Graduate Civil Engineer/Engineer – As a Principal Technical Representative/Project-in-charge</td>
<td>Atleast 20 year experience in execution of reputed project of multi-storey residential / non residential buildings / institutional buildings including external development work etc.</td>
</tr>
<tr>
<td>2.</td>
<td>Graduate Civil Engineer/Engineer – As a Project Manager</td>
<td>Atleast 10 year experience in execution of reputed project of multi-storey residential / non residential buildings / institute etc.</td>
</tr>
<tr>
<td>3.</td>
<td>Diploma Engineer (Civil) as a Site Engineer for execution of civil work.</td>
<td>Minimum 5 years experience in execution of multi-storey residential / non residential buildings / institute etc.</td>
</tr>
<tr>
<td>4.</td>
<td>Graduate/Diploma (Electrical) as a Site Engineer for execution of electrical work.</td>
<td>Atleast 5-8 year experience in execution of electrical work in multi-storey residential / non residential buildings / institute etc.</td>
</tr>
</tbody>
</table>
5. Graduate Civil Engineer for QA & QC work as a Incharge of Site Laboratory. 1 Atleast 8-10 year relevant experience in QC/QA work of institutional & residential building.

6. Surveyor with Diploma in Surveying for Site surveying work. 1 Minimum 5 years experience in Surveying work of hilly terrain using total station.

7. Graduate/ Diploma Engineer as a Site Safety Engineer 1 Minimum 5 years experience in safety work of multi-storey residential / non-residential buildings / institute etc.

If Contractor fails to deploy minimum Technical staff as mentioned above, recovery on account of non-deployment of each Technical staff shall be made from subsequent RA Bills as under:

<table>
<thead>
<tr>
<th>Si No</th>
<th>Experience</th>
<th>Graduate / degree holder (INR P.M)</th>
<th>Diploma holder (INR P.M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>20 years</td>
<td>1,00,000</td>
<td>70,000</td>
</tr>
<tr>
<td>2</td>
<td>10 years</td>
<td>70,000</td>
<td>45,000</td>
</tr>
<tr>
<td>3</td>
<td>8-10 years</td>
<td>60,000</td>
<td>40,000</td>
</tr>
<tr>
<td>4</td>
<td>5-8 years</td>
<td>50,000</td>
<td>35,000</td>
</tr>
<tr>
<td>5</td>
<td>5 years</td>
<td>45,000</td>
<td>30,000</td>
</tr>
<tr>
<td>6</td>
<td>Without experience</td>
<td>30,000</td>
<td>-------------</td>
</tr>
</tbody>
</table>

### 43.0 COMPLETION AND TAKING OVER

As soon as the work is finally completed, the contractor shall inform EPI, who shall in turn inform to (ALIMCO). ALIMCO shall nominate a committee / officers for checking / verifications of completed work as per the scope of work for final taking over the work.

### 44.0 ISO COMPLIANCE


The contractor shall make necessary safety arrangement at site including as mentioned in GCC and indemnify EPI against any consequence of accident at site.
47.0 FACILITIES
The sub-clause 28.3 of the clause no. 28 of General Conditions of Contract (GCC) for Furnished Office Accommodation & Mobility and Communication to be Provided by Contractor to EPI shall be replaced and read as under:

The contractor shall make his rates in Bill of Quantities sufficiently comprehensive to cover the cost of the facilities as per details shown below and the contractor shall not be entitled for any extra payment for the same.

<table>
<thead>
<tr>
<th>Description</th>
<th>Unit</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>A) CONVEYANCE AND OTHER FACILITIES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vehicle (Brand New) Four wheel drive Renault Duster vehicle or equivalent with Driver and accessories,</td>
<td>No</td>
<td>1</td>
</tr>
<tr>
<td>Monthly running shall be restricted to 4000 Kms each.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B) Office Boy Cum-Cook on full time basis for EPI</td>
<td>Nos.</td>
<td>2</td>
</tr>
</tbody>
</table>

The vehicle shall be brand new and shall be provided with driver on full time basis. Consumables like diesel/petrol/oil lubricants and spare parts etc. shall be provided by the Tenderer at their cost. The vehicles shall be maintained in good working condition. In case of breakdown, replacement of vehicle shall be provided by Tenderer. In case a vehicle is not required by EPI, a recovery of Rs. 50,000/- per month per vehicle shall be made from the Tenderer for this purpose till the completion of project.

In case Driver, POL, maintenance of any vehicle is not required by EPI for any vehicle, a recovery of Rs. 50,000.00 per month per vehicle shall be made from the Tenderer for this purpose till the completion of project.

The Tenderer shall provide ‘Sign Board(s)’ as per design approved by EPI and/or Client.

In case the above facilities are not provided by the Tenderer within 10 (ten) days of award of work or replacement is not provided within the specified period, EPI shall arrange the same at the risk and cost of the PARTY and make the recoveries from the bills of the Tenderer for the same. The decision of EPI shall be final and binding on the Tenderer in this regard.

48.0 The Contractor shall furnish details whether they are covered under micro, small and Medium Enterprise Development Act 2006. If yes, clearly indicate under which category they are covered along with documentary evidence. This information is required to be furnished along with the bid.

49.0 ARBITRATION: Modification of arbitration’s clause no 76.0 of GCC

General Conditions of Contract (GCC) Sub Clause no.76.1 and 76.3 of Arbitration Clause no.76.0 are amended as given below. Sub Clause no.76.2 will remain the same.

76.0 ARBITRATION
76.1 Before resorting to arbitration as per the clause given below, the parties if they so agree may explore the possibility of conciliation as per the provisions of Part III of the Arbitration and Conciliation Act, 1996 as amended by Arbitration and Conciliation
When such conciliation has failed, the parties shall adopt the following procedure for arbitration:

i) Except where otherwise provided for in the contract, any disputes and differences relating to the meaning of the Specifications, Design, Drawing and Instructions herein before mentioned and as to the quality of workmanship or materials used in the work or as to any other questions, claim, right, matter or things whatsoever in anyway arising out of or relating to the Contract, Designs, Drawings, Specifications, Estimates, Instructions, or these conditions or otherwise concerning the works of the execution or failure to execute the same whether arising during the progress of the work or after the completion or abandonment thereof shall be referred to the Sole Arbitrator appointed by the Chairman & Managing Director (CMD) of Engineering Projects (India) Limited (EPI) or any other person discharging the functions of CMD of EPI. The person approached for appointment as Arbitrator shall disclose in writing circumstances, in terms of Sub-Section (1) of Section (12) of the Arbitration and Conciliation Act, 1996 as amended by Arbitration and Conciliation (Amendment) Act, 2015 as follows:

a) such as the existence either direct or indirect, of any past or present relationship with or interest in any of the parties or in relation to the subject-matter in dispute, whether financial, business, professional or other kind, which is likely to give rise to justifiable doubts as to his independence or impartiality; and

b) which are likely to affect his ability to devote sufficient time to the arbitration and in particular his ability to complete the entire arbitration within a period of twelve months.

The Arbitrator shall be appointed within 30 days of the receipt of letter of invocation of arbitration duly satisfying the requirements of this clause.

ii) if the arbitrator so appointed resigns or is unable or unwilling to act due to any reason whatsoever, or dies, the Chairman & Managing Director aforesaid or in his absence the person discharging the duties of the CMD of EPI may appoint a new arbitrator in accordance with these terms and conditions of the contract, to act in his place and the new arbitrator so appointed may proceed from the stage at which it was left by his predecessor.

iii) It is a term of the contract that the party invoking the arbitration shall specify the dispute/differences or questions to be referred to the Arbitrator under this clause together with the amounts claimed in respect of each dispute.

iv) The Arbitrator may proceed with the arbitration ex-parte, if either party, in spite of a notice from the arbitrator, fails to take part in the proceedings.

v) The work under the contract shall continue as directed by the Engineer-In-Charge, during the arbitration proceedings.

vi) Unless otherwise agreed, the venue of arbitration proceedings shall be at the venue given in the ‘Memorandum’ to the “Form of Tender”.

vii) The award of the Arbitrator shall be final, conclusive and binding on both the parties.

viii) Subject to the aforesaid, the provisions of the Arbitration and Conciliation Act, 1996 as amended by Arbitration and Conciliation (Amendment) Act, 2015 or any statutory modifications or re-enactment thereof and the Rules made there under and for the
time being in force shall apply to the arbitration proceedings and Arbitrator shall publish his Award accordingly.

76.3 JURISDICTION:
The courts in Delhi/New Delhi alone will have jurisdiction to deal with matters arising from the contract, to the exclusion of all other courts.

50.0 DEFECT LIABILITY PERIOD

Clause no. 74.0 of GCC shall be read as for a period of 24 months from the date of taking over of the works by Client/ALIMCO in place of 12 months.

51.0 GENERAL CONDITION OF “GRIHA” REQUIREMENT FOR ALIMCO PROJECT

The ALIMCO intends to develop green complex & obtain “GRIHA” requirement for the proposed facilities included “GOLD” rating of “GRIHA” in the project. Bidder to familiarize the requirements and note that all requirements of above pertaining to construction for achieving the above targeted rating. No extra payment shall be made on this account.

52.0 COMPLIANCE OF CONSTRUCTION & DEMOLITION WASTE MANAGEMENT RULES 2016.

The contractor shall comply all the rules & regulation of Construction & Demolition Waste Management Rules 2016 as notified by the Government of India as applicable for the said work and subsequent amendment if any, in the said act notified by the Government time to time. Nothing shall be paid extra.

53.0 FACILITIES TO BE PROVIDED AT SITE FOR LABOUR WELFARE

All facilities to be provided him at site for fulfilling all GRIHA & statuary labour welfare schemes are included in contractor’s scope which shall include the following but not limited to the same.

- Separate provision / rooms for First Aid Centre & Reset room and for the safety officer, safety supervisors and other personnel to be engaged by the contractor for H.S.E aspects of the project.
- Erecting sufficient numbers of Urinals, WC’s, drinking water, water supply and sanitary arrangements to the supervisory personnel and workmen engaged by them.
- Canteen facility to workmen engaged by the contractor.
- Treatment of waste from contractor’s toilets to meet the requirements of “GRIHA”.

The contractor shall deploy an experienced & qualified person exclusively for implementation of “GRIHA” requirements for the entire contract period.

54.0 Supply of Cement: EPI may arrange supply of cement through Cement Corporation of India (CCI) subject to:
1. The supply rate at site are agreed between the Contractor and CCI.

2. The payment condition are agreed by the contractor and CCI. However, the contractor shall pay to the CCI directly at the supply rate as agreed.

3. No delay on account of delayed supply of cement will be acceptable as the contractor is free to procure outside cement in case of non-availability with CCI.

4. The contractor shall get cement tested from certified independent accredited agency and shall be solely responsible for quality.

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