ENGINEERING PROJECTS (INDIA) Ltd. invites sealed tenders as per TWO COVER SYSTEM for ‘Procurement of parts from approved suppliers, manufacture of panels and assembling above approved components in electrical panels/switchboards/lighting panels/switch-sockets as per approved schematic drawings, testing the circuits, conducting all other statutory and mandatory tests on the panels in the presence of the HAL/EPI, packing in weather proof packing and dispatch to the notified address as per this Notice Inviting Tender etc.’ for “Construction of Civil, Electrical and other utility services for Pkg. II & III Project at Hindustan Aeronautics Ltd., Nashik, in sealed covers for items as mentioned in Price Bid and Instruction to Tenderer (ITT) enclosed and as per detailed technical specification.

The quality of electrical components shall be as per latest revisions of the Bureau of Indian Standards Specification mentioned against each item..

The offer should be valid for a minimum period of 2 (TWO) months from the last date of submission of bid. In case the last date of submission of bid is extended the same shall be considered.

**Delivery period:** Progressively within Sixty (60) days from the date of Purchase Order, or as per site requirement.

The interested tenderers can download all the documents from EPI website [www.eprocure.gov.in](http://www.eprocure.gov.in) or [www.epi.gov.in](http://www.epi.gov.in) with all corrigendum / Addendum uploaded till the last date of issue of tender.

All the downloaded documents shall form part of the “Tender Documents”.

The complete tender document comprising of the following is to be duly signed & stamped on each page and enclosed along with the price bid.

1. NIT - 2 Pages
2. Instruction to Tenderer (Suppliers) - 2 Pages
3. Addendum to ‘Instruction to Tenderer (Suppliers)’ - 1 Page
4. Memorandum - 2 Pages
5. General Purchase Condition (GPC) - 7 Pages
6. Check List for Evaluation & Selection of Suppliers / Vendors - 2 Pages
7. Special Conditions of Contract (SCC) - 4 Pages
8. Technical Specification - 8 Pages
9. Price Bid - 4 Pages
The tenders of all such parties, who are not found suitable, shall not be considered. The decision of EPI in this regard shall be final & binding on the party.

Submission of tender as well as opening of bid will be at Chennai at the address mentioned below:

The General Manager,
ENGINEERING PROJECTS (INDIA) LTD.,
3D- East Coast Chambers
92- G N Chetty Road
CHENNAI – 600017
(Tamilnadu)

Last date of submission of tender: 07.11.2012 upto 4.00 PM

Date & Time of Opening of Technical Tender: 07.11.2012 at 5.00 PM
(Technical Bid Only)

Date of opening of Commercial bid of qualified bidders will be informed to the bidders who have qualified.

Technical Bid and sealed Price Bid Price bid, along with manufacturer credentials should be kept in the sealed envelope.

The cover must be clearly marked with title, NIT number, date of the tender enquiry and last date for receipt of tender. Tenderer shall clearly certify that the items quoted strictly conform to the specifications. Deviations, if any, should be clearly indicated on a separate deviation sheet.

EPI reserves the right to extend the date of submission of the tender or cancel the tender or annul this process and also the right to place orders for full or part quantities or distribute amongst various bidders without assigning any reasons whatsoever. The information of extension / cancellation, if any, shall be given on the EPI’s website www.eprocure.gov.in or www.epi.gov.in. The intending Tenders are requested to visit the EPI’s website regularly for this purpose.
INSTRUCTIONS TO TENDERERS (Suppliers)

1. Sealed tenders in the prescribed form are invited by Engineering Projects (India) Limited, Chennai.

2. The tenderer is requested to sign each page of tender document and return the complete tender documents.

3. Tenders shall be submitted in sealed envelope marked with Title, NIT Number and Last Date of receipt of Tender for the items as given in the Notice inviting Tender at the following address by Registered Post or through messenger within the last date of receipt of tender given in the Notice inviting Tender.

   The General Manager,
   Engineering Projects (India) Ltd.,
   3D-East Coast Chambers,
   92-G.N.Chetty Road,
   Chennai – 600 017.

4. The tenderer is required to submit their offer in sealed and super scribed envelopes indicating the following:-

   Envelope (Techno-Commercial cum Price Bid)

   The tenderers are requested to furnish the documents as required in clause no. 21 in respect of the credentials and other details in this envelop.

   The form of Price Bid duly filled in with the item rates both in words and figures in the same form as issued to tenderers should be submitted in a separate sealed envelope enclosed in this envelope.

5. The bidders should quote in words as well as in figures the item rates quoted by them, in absence of which the Bids may not be considered and are likely to be rejected.

   All corrections/cuttings should be signed by the tenderer. Each page of the tender should be signed by the tenderer. In the event of discrepancy between rate in figures and words the rate quoted in words shall be treated as correct. In case there is discrepancy between rate and amount worked out the rate quoted shall be taken as correct and not the amount.

6. EPI takes no responsibility for tenders lost/delayed in postal transit and therefore, tenderers should lodge their tenders sufficiently in advance.

7. EPI reserves the right to postpone the tender due date and issue required amendment, if any. There will be no public tender opening. However, selected tenderers may be called for discussions/clarifications after the tenders have been scrutinized.

8. Tenders must be duly signed with date and sealed.
9. The tenderer shall furnish the name(s) and designation of relative(s) if any, employed by EPI.

10. Tenders with following discrepancies are liable for rejections;
   a) Tenders with over-written or erased rates or rates and amounts not written in both figures and words.
   b) Tender that is incomplete, ambiguous, and not accompanied by the documents asked for.
   c) Tender received after specified date/time whether due to postal or other delays.
   d) Tender in respect of which canvassing in any form is resorted to by the tenderer.
   e) If the tenderer deliberately gives wrong information in his tender or resorts to unfair methods in creating circumstances for the acceptance of his tender, EPI reserves the right to reject such tender at any stage.

11. No deviation shall be allowed from the terms and conditions stipulated in the tender documents and tender containing deviations are liable to be rejected. Deviations, if insisted upon must be specified in a separate ‘Deviation Sheet’ and kept in 1st envelope along with techno-commercial bid, otherwise, the tenderer shall be deemed to have accepted all conditions specified in these tender documents. Normally no deviation is accepted.

12. EPI reserves the right to split the order.

13. The tender shall remain open for acceptance for a period of 2 (TWO) months from the due date for receiving the tender by EPI.

14. These instructions to tenderers shall form part of the tender documents.

15. Submission of a tender by the tenderer implies that he has read the complete contract documents and has made himself aware of the scope, terms & condition and specifications etc. No claim within the purview of this clause shall be entertained at any stage.

16. EPI reserves the right to reject any or all tenders without assigning any reasons thereof and does not bind itself to accept the lowest tender.

17. In case the tender cannot be submitted for any reasons the complete set of Tender Documents in full shall be returned promptly but not later than 15 days from the due date to the address mentioned above for submitting the tender failing which the defaulting tenderer may not be considered for issue of future enquiries by EPI.
18. The order shall be governed by the Indian Laws for the time being in force.

19. Jurisdiction: All disputes shall be subject to CHENNAI Courts alone.

20. Tenderer shall submit the following documents in respect of their credentials along with their tender in Techno-Commercial cum Price Bid envelope:-

   a) List of major clients
   b) List of orders executed / under execution
   c) Price Bid in sealed envelope
MEMORANDUM

Ref. : Tender for ‘Procurement of parts from approved suppliers, manufacture of panels and assembling above approved components in electrical panels/switchboards/lighting panels/switch-sockets as per approved schematic drawings, testing the circuits, conducting all other statutory and mandatory tests on the panels in the presence of the HAL/EPI, packing in weather proof packing and dispatch to the notified address as per this Notice Inviting Tender etc.’ for Pkgs II and III of the works under execution for HAL Ozhar, Nashik Dist. Maharashtra

NIT No. : SRO/MKT/TH/144 dt. 25-10-2012

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description</th>
<th>Cl. No.</th>
<th>Values / Description to be application for relevant clause(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>i)</td>
<td>Name of Work</td>
<td></td>
<td>‘Procurement of parts from approved suppliers, manufacture of panels and assembling above approved components in electrical panels/switchboards/lighting panels/switch-sockets as per approved schematic drawings, testing the circuits, conducting all other statutory and mandatory tests on the panels in the presence of the HAL/EPI, packing in weather proof packing and dispatch to the notified address as per this Notice Inviting Tender etc.’ for Construction of Civil, Electrical and other utility services for Pkg. II &amp; III Project at Nashik</td>
</tr>
<tr>
<td>ii)</td>
<td>Owner / Client / Employer</td>
<td></td>
<td>Engineering Projects (India) Ltd, for project for HAL, Ozhar, Nashik.</td>
</tr>
<tr>
<td>iii)</td>
<td>Type of Tender</td>
<td></td>
<td>Item rate Contract</td>
</tr>
<tr>
<td>iv)</td>
<td>Earnest Money Deposit</td>
<td></td>
<td>Nil</td>
</tr>
<tr>
<td>v)</td>
<td>Estimated Cost</td>
<td></td>
<td></td>
</tr>
<tr>
<td>vi)</td>
<td>Time for completion of work</td>
<td>NIT</td>
<td>60 (Sixty) Days from the issue of Purchase order</td>
</tr>
<tr>
<td>vii)</td>
<td>Mobilization Advance</td>
<td>-</td>
<td>Nil</td>
</tr>
<tr>
<td>viii)</td>
<td>Interest Rate on Mobilization</td>
<td>-</td>
<td>Nil</td>
</tr>
<tr>
<td>ix)</td>
<td>Number of installments for recovery of Mobilization Advance</td>
<td>-</td>
<td>Nil</td>
</tr>
<tr>
<td>x)</td>
<td>Schedule of Rates Applicable</td>
<td>-</td>
<td>Price Bid</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>xi) Validity of Tender</td>
<td>-</td>
<td>2 (Two) months</td>
<td></td>
</tr>
<tr>
<td>xii) Security Deposit cum Performance Guarantee</td>
<td>GPC</td>
<td>Nil</td>
<td></td>
</tr>
<tr>
<td>xiii) Retention Money</td>
<td>-</td>
<td>Nil</td>
<td></td>
</tr>
<tr>
<td>xiv) Time allowed for starting the work</td>
<td>-</td>
<td>The date of start of contract shall be reckoned from the date of issue of telegram / letter / FAX of Purchase Order.</td>
<td></td>
</tr>
<tr>
<td>xv) Defect Liability Period</td>
<td>-</td>
<td>Nil</td>
<td></td>
</tr>
<tr>
<td>xvi) Arbitration</td>
<td>GPC</td>
<td>Amended</td>
<td></td>
</tr>
<tr>
<td>xvii) Jurisdiction</td>
<td>GPC</td>
<td>Courts in Chennai</td>
<td></td>
</tr>
</tbody>
</table>

**SIGNATURE OF TENDERER**

**NAME (CAPITAL LETTERS):**

_________________________________________

**OCCUPATION**

_________________________________________

**ADDRESS**

_________________________________________

_________________________________________

**SEAL OF TENDERER**
GENERAL PURCHASE CONDITIONS

1. Definition

1.1 The Buyer means Engineering Projects (India) Limited, a Company incorporated in India and having its registered office and Corporate Office at Core 3, Scope Complex, Lodi Road, New Delhi-110003.

1.2 Supplier' means the tenderer whose tender has been accepted and shall include his its/their heirs, executors, administrators or successors and permitted agents as the case may be.

1.3 'Purchase Order' means the letter of memorandum, communicating to the supplier, the acceptance of his tender and includes an advance acceptance of his tender.

1.4 'Consignee' means where the stores are required by the purchase order to be dispatched by rail, road, air or steamer, the person specified in the Purchase Order to whom they are to be delivered at the destination, where the stores are required by the Purchase Order to be delivered to a person as an interim consignee for the purpose of dispatch to another person, such other person and in any other case the person to whom the stores are required by the Purchase Order to be delivered in the manner specified therein.

1.5 'Inspectors' : Inspectors deputed by BUYER.

2. Terms & Expressions

Terms & expressions not herein defined shall have the same meanings as assigned to them in the Indian Sales of Goods Act, 1930, Indian Contract Act, 1872 and General Clause Act, 1897.

3. Prices

Prices accepted by the BUYER shall be considered as firm and not subject to escalation due to any variations in the prices of materials, labour and/or any other reasons whosoever which may occur while the order is being carried out.

4. Payment Terms

Unless otherwise agreed upon between the parties, payment for delivery of the stores will be made on submission of bills in accordance with instruction given in the purchase order by a cheque or demand draft in accordance with the following procedure.

4.1 90% of the price of the equipment/material shall be paid on proof of dispatch to the consignee through bank or delivery to an interim consignee, if any, and on production of Inspection Note issued by the Inspector, Maker's Test Certificate, the number- and date of the Railway receipt, postal receipt, bill of lading or consignment note under which the goods charged for in the bill are dispatched by rail, post, sea or air respectively and the number and date of the letter with which such railway receipt, post receipt, bill of lading shall also be attached to the bill and in the case of stores dispatched by post, the
postal receipt shall be attached in original to the bill. The bank charges shall be borne by the supplier.

4.2 Balance 10% of price of equipment/material shall be released within 30 days after expiry of the warranty period as per Clause No. 17.

5. Insurance to be arranged by BUYER.

6. Inspection, Checking, Testing

The stores covered by the Purchase Order shall be subject to preliminary inspection and testing at any time prior to shipment and/or dispatch and final inspection within a reasonable time after arrival at the place of delivery. The Inspector shall have the right to carry out the inspection and testing which include raw materials at manufacturer's work and at the time of actual dispatch before and after completion of packing.

The supplier shall inform the BUYER at least 21 days in advance of the exact place, date and time of rendering the stores for required inspection, provide free access to Inspectors during normal working hours at supplier's or his/its sub-supplier's works and places at their disposal, internal test reports, material/component test certificates, approved drawings and all useful means of performing, checking, marking, testing, inspection and final stamping at his own expenses. Stores offered without internal testing shall be treated as a lapse on the part of supplier.

If, after receiving inspection call from the supplier/manufacturer the inspector on reaching the works finds that the equipment/materials offered for inspection is not fully ready or fails to meet vital requirements, it will be deemed to be a fake inspection call. Issue of a fake inspection call shall be treated as a serious lapse on the part of the supplier.

In the event of rejection of stores due to defective workmanship/material/design or fake inspection call, the stores would be offered for re-inspection at the earliest. The BUYER shall have the right to deduct the cost of re-inspection from the supplier's invoices.

Even if inspections and tests are fully carried out, supplier shall not be absolved to any degree from their responsibilities to ensure that stores supplied, comply strictly with requirements, of the purchase order at the time of delivery, inspection on arrival at site, after its erection or start-up and guarantee period.

In any case, the stores must be strictly in accordance with the Purchase order failing which the BUYER shall have the right to reject goods and hold the supplier liable for non-performance of contract.

7. Manufacturer's Test Certificate:

Manufacturer's Test Certificate shall be supplied by the supplier at the time of inspection. Failure to comply may cause delay in the issue of certificate of inspection and consequent delay in delivery and payment.
8. Packing, Marking and Painting:

A. The stores shall be dispatched by the supplier adequately packed in appropriate packing which should be suitable for sea and inland carriage and ensure complete safety of goods from any kind of damage in transport both on sea and land and all equipment should be properly lubricated.

B. Each package shall contain packing list in English. Each packing shall bear the following marking in English, in indelible paint:

(i) Address of the Ultimate Consignee  
(ii) Address of the Interim Consignee, if any  
(iii) Name of Railway Station for ultimate and interim consignee, (iv) Supplier's name  
(v) Name of Equipment (vi) Railway Station from where dispatched (vii) Purchase Order No. & Date (viii) Package Number (ix) Gross Weight in Kg (x) Net Weight in Kg. (xi) Outer Dimension in Cms. (xii) TOP' 'Do NOT TURN OVER' 'HANDLE WITH CARE' etc.

The package shall indicate the centre of gravity with a red vertical line, wherever required, together with marking for slings.

The package which cannot be so marked shall have metal tags with the above marking on them. As far as possible, size of packings shall remain within the permissible limit allowed by the Indian Railways. If this is not possible, timely information will be given and necessary over dimension sanction obtained.

9. Security Deposit:

The successful tenderer shall be required to furnish security deposit equal to 5% of the value of the contract within 7 days from the date of intimation of the acceptance of Purchase Order for due and proper fulfillment of the contract. The security deposit is to be deposited in the form of unconditional irrevocable bank guarantee from a Nationalised Bank (if from any other bank the bank guarantee should be duly countersigned by State Bank/Reserve Bank). The bank guarantee should remain valid till completion of supplies.

10. Dispatch Instructions:

Dispatches of stores will be arranged by Public Tariff rates. In case of FOR Station of Dispatch stores shall be booked at full wagon rates whenever available and by the most economical route or by most economical tariff available. Failure to do so will render the supplier liable for any avoidable expenditure caused to the BUYER.

11. Assembly, after sales service and training:

If required by the BUYER the supplier shall be fully responsible for the assembly of the equipment at destination site and completeness of the machinery from the angle of its end use. The supplier shall provide necessary "After Sales Service" and also impart training to the Consignee's staff in the operation and maintenance of the equipment free of cost to the satisfaction of the consignee. Furthermore, all tools and plants particularly heavy cranes, which are generally used as well as semiskilled and unskilled labour for the assembly of such machinery will be provided by the BUYER free of cost to the supplier with consumable stores, like fuel, oil, lubricants,
battery acids, cotton waste, grease etc., free of cost for the purpose of starting the machines, testing and putting them into good working order.

12. **Respect of Delivery Date:**

The time and delivery date as agreed to between the BUYER and Supplier shall be the essence of the contract. No variation shall be permitted, except with prior authorization in writing from the Buyer. Goods should be delivered securely packed and in good order and conditions at the place and within the time specified for their delivery.

13. **Penalty for late deliveries:**

The time and date of delivery of stores, materials, equipment as agreed to shall be deemed to be the essence of the contract. In case of delay in execution of the order beyond the date of delivery as agreed to for any reason, the BUYER shall recover from the supplier as penalty a sum equivalent to 0.5% of the value of the entire contract for every week of delay or part thereof limited to an aggregate of 5%.

14. **Risk Purchase on Default**

In case of default on the part of the supplier to supply all the stores or part thereof covered by the Contract up to the standard/specifications within the contractual delivery period stipulated in the contract, the BUYER shall have the right to purchase such stores or other of similar description at the risk and cost of the supplier. However, supplier shall be liable to pay penalty under clause 13 above for resultant delay.

15. **Delay due to force majeure**

If any time during the continuance of the contract the performance in whole or part by either party on any obligation under the contract shall be prevented or delayed by reason of any war, hostility, explosions, epidemics, quarantine restrictions, or other acts of God, then provided, notice of the happening of any such event is given by either party to the other within twenty one days from the date of occurrence thereof, neither party shall be reason of such event be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non-performance and delay in performance and deliveries under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist and the decision of the Chairman and Managing Director, EPI, New Delhi as to whether the deliveries so resumed shall be final and binding on both the parties. In case Force Majeure Condition persists for a period exceeding sixty (60) days, either party may at its option terminate the contract.

BUYER shall be at liberty to take over from the supplier at a price to be fixed by the Chairman and Managing Director, EPI, New Delhi which shall be the final, all unused, undamaged and acceptable material, bought out components and stores in course of manufacture in the possession of the supplier at the time of such termination or portion thereof as the BUYER may deem fit.
16. Rejection, Removal of Rejected Goods and Replacement

In case the testing and inspection at any stage by inspectors reveal that the equipment, material and workmanship do not comply with the specifications and requirements, the same shall be removed by the Supplier at his/its own expenses and risk within the time allowed by the BUYER. The BUYER shall be at liberty to dispose of such rejected goods in such manner as he may think appropriate, in the event the supplier fails to remove the rejected goods within the period as aforesaid.

All expenses incurred by the BUYER for such disposal shall be to the account of the supplier. The freight paid by the BUYER, if any, on the inward journey of the rejected material shall be reimbursed by the supplier to the BUYER before the rejected materials are removed by the Supplier. The supplier will have to proceed with the replacement of that equipment or part of equipment without claiming any extra payment if so required by the BUYER. The time taken for replacement in such event will not be added to the contractual delivery period.

17. Warranty

The supplier shall warrant that every material/plant, machinery and equipment to be supplied be new and free from all defects and faults in design, material, workmanship and manufacture and shall be of the highest quality. The items should be consistent with the established, recognized or stipulated standards for material of the type usually used for the purpose and in full conformity with the specifications and drawings or samples, if any. Equipment offered must be capable, during operation, of withstanding extreme dusty, wet, humid and sultry conditions. The warranty shall continue not withstanding inspection, payment, acceptance of tendered equipment and shall expire except in respect of complaints notified to supplier prior to such date within 12 months from the date of commissioning or 18 months from the date of dispatch whichever is earlier.

18. Performance Guarantee

The supplier shall guarantee that any/all material used in execution of the Purchase Order shall be in strict compliance with characteristics requirements and specifications agreed upon and that same shall be free from any defects. The supplier shall guarantee that all material and equipment shall be repaired or replaced as the case may be at his own expense in case the same have been found to be defective in respect of material, workmanship or smooth and rated operation within a period of 12 months after the same has been put in service or 18 months from the date of dispatch of last consignment, whichever is earlier. The guarantee period for the replacement parts shall be 12 months starting from the date on which the replacement parts are commissioned. Acceptance by the BUYER or his inspectors of any equipment and materials or their replacement will not relieve the supplier of his/its responsibility concerning the above guarantee.
19. Indemnity

The supplier shall at all times indemnify the BUYER against all claims which may be made in respect of stores for infringement of any right protected by patent, registration of design or trade mark. Provided always that in the event of any claim in respect of alleged breach of patent, registered designs or trade mark being made against the BUYER, the BUYER shall notify the supplier of the same and the supplier shall at his own expense either settle any such dispute or conduct any litigation that may arise therefrom. The supplier shall not be liable for payment of any royalty, license fee or other expenses in respect of or for making of patents or designs with respect to which he is, according to the terms of the contract, to be treated as an agent of the Government for the purpose of making use of the patent or trade mark of fulfillment of the contract.

20. Spare Parts

The supplier shall furnish itemized and priced list of spare parts required for two years normal operation of the equipment along with the quotation.

21. Drawings

The supplier shall furnish the general arrangements and dimensional drawings in three sets within four weeks from date of placement of order.

22. Literature of Equipment

Following literature and documents for the equipment shall be supplied in five copies each free of cost along with the equipment, (a) Operator's instructions (b) Service Manual (c) Illustrated and detailed parts catalogues (d) Specifications (e) A list of service tools required for routine servicing of the equipment.

23. Arbitration

Except where otherwise provided for in the contract all questions and disputes relating to the meaning of the specifications, designs, drawings and instructions herein before mentioned and as to the quality of workmanship or materials used on the work or as to any other questions, claim, right matter or thing whatsoever if any, arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or any contradictions or otherwise concerning the purchase order or 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 arbitration of the Chairman and Managing Director/General Manager (accepting authority) of Engineering Projects (India) Ltd. and if the Chairman and Managing Director/General Manager is unable or unwilling to act to the sole arbitration some other person shall be appointed by the Chairman and Managing Director/General Manager willing
to act as such arbitrator. There will be no objection if the arbitrator so appointed is an employee of Engineering Projects (India) Ltd., and that he had to deal with matters to which the contract relates and that in the course of his duties as such he had expressed views on all or any of the matters in disputes or difference. The arbitrator to whom the matter is originally referred being transferred or vacating his office or being unable to act for any reason, such Chairman and Managing Director/General Manager as aforesaid at the time of such transfer, vacation of office or inability to act, shall appoint another person to act as an arbitrator in accordance with the terms of the contract. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor. It is also a term of this contract that no person other than a person appointed by such Chairman and Managing Director/General Manager as aforesaid should act as arbitrator and if for any reason, that is not possible, the matter is not to be referred to arbitration at all.

Cases where the amount of award in claim is Rs. 50,000/- (Rupees Fifty Thousand Only) and above, the arbitrator shall give reasons for the award.

Subject as aforesaid the provisions of the Arbitration and Reconciliation Act 1996 or any statutory modification or reenactment thereof and the rules made thereunder and for time being in force shall apply to the arbitration proceedings under this clause.

It is a term of the contract that the party invoking arbitration shall specify the disputes or dispute to be referred to arbitration under this clause together with the amount or amounts claimed in respect of each such dispute.

The arbitrator may from time to time, with consent of the parties, enlarge the time, for making and publishing the award.

The work under the contract shall, if reasonably possible, continue during the arbitration proceedings.

The arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties fixing the date of the first hearing.

The arbitrator shall give a separate award in respect of each disputes or difference referred to him.

The avenue of arbitration shall be such place as maybe fixed by the Arbitrator in his sole discretion.

The award of the arbitrator shall be final, conclusive and binding on all parties to the contract.

24. Court Jurisdiction

Disputes of any nature that may arise in connection with the execution of the contract shall be subjected to the jurisdiction of courts situated in CHENNAI only.
Check List for Evaluation & Selection of Suppliers / Vendors

1. Name
   ........................................................................................................

2. Address
   ........................................................................................................
   ........................................................................................................
   ........................................................................................................

3. Contact Person
   ........................................................................................................
   ........................................................................................................

4. Proprietor
   ........................................................................................................
   ........................................................................................................

5. a) Phone Nos.
   ........................................................................................................
   ........................................................................................................

   b) Fax Nos.
   ........................................................................................................
   ........................................................................................................

6. Items / Products
   ........................................................................................................
   ........................................................................................................

7. Manufacturer
8. Facilities Available

a) Testing Facilities

Through External Agency

i) For Incoming materials

ii) For In process

iii) For Final Product

b) Can Issue Test Certificate

Yes

No

c) Details of Manufacturing Facilities

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

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

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

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

d) Products being manufactured

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

(Product Catalogues)...........................................................................................................
9. Annual Turn Over

10. Whether ISO 9000 certified or not

11. Whether IS certified or not

12. Reference list of important customers
during last five years

13. Ability to give after sales service

14. Sample sent or not

Signature of Vendor / Supplier

Name

Designation

Date

To In-charge MMD
EPI
SPECIAL CONDITIONS OF CONTRACT (SCC)

NIT No.: SRO/MKT/TH/144                                           25.10.2012

1. The following Special Conditions of Contract shall be read in conjunction with General Purchase Conditions (GPC). If there are any provisions in these Special Conditions of Contract, which are at variance with the provisions of General Purchase Conditions (GPC), the provisions in these Special Conditions of Contract shall take precedence.

2. **Payment Terms:** The Clause No.4 of GPC shall be replaced as under:

   Unless otherwise agreed upon between the parties, payment for delivery of the stores will be made on submission of bills in accordance with instruction given in the purchase order by a Cheque or demand draft in accordance with the following procedure.

   2.1 85% of the price of the material shall be paid within seven (7) working days receipt of material at site in good condition. The invoice should be supported by manufacturer test certificates and test certificates of all components from approved brand suppliers.

   2.2 10% of price of material shall be released within thirty (30) working days after receipt of material at EPI site.

   2.3 Last 5% shall be released on successful completion of Defect Liability period of 12 months from the date of commissioning or acceptance from the ultimate owner – operator, M/s HAL Ozhar, Nashik.

3. The rates quoted by the bidder shall be inclusive of all taxes, freight, packing & forwarding, excise duties and other charges as applicable on FOR site delivery basis. Unloading will be arranged by EPI at site.

   However, bidder must indicate the bifurcation of the various cost elements of their quoted Price in a separate statement along with the Price Bid i.e. Basic price, taxes & duties, Freight, loading & transportation cost up to site.

4. **Inspection, Checking, Testing:** The Clause No.6 of GPC shall be replaced as under:

   The parts/panels supplied shall be tested in lots as prescribed in the clients manual / specifications and it must conform to specifications as prescribed by relevant IS codes with latest revisions.

   In any case, the stores must be strictly in accordance with the purchase order failing which the BUYER / EPI shall have the right to reject goods and hold the supplier liable for non-performance of contract.
5. **Maker’s Test Certificate:** The Clause No.7 of GPC shall be replaced as under:

Manufacturer’s test certificate shall be supplied by the supplier along with the invoice / challan. Failure to comply may cause delay in release of payment by EPI/rejection of product supplied.

6. Bidder / supplier must ensure delivery of items in weather proof packing failing which the BUYER / EPI shall have the right to do the same and deduct the costs from the suppliers bills for variation from variation in contract conditions.

7. **Packing, Marking and Painting :** The Clause No.8 of GPC shall be replaced as under:

Panels shall be supplied in secure wooden packing with weather proof plastic/other packing to prevent ingress of water/damage from termites, rodents and serpents while in outdoor/indoor stores.

8. **Material shall be delivered to :-**
The General Manager,
Engineering Projects India Ltd.,
‘Construction of Civil, Electrical and other Utilities for Pkgs II and III in factory area for HAL Nashik’ site.
HAL Nashik,
Maharashtra

9. **Conciliation and Arbitration**

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. When such conciliation has failed, the parties shall adopt the following procedure for arbitration:

9.1 Except where otherwise provided for in the contract, any disputes and differences relating to the meaning of the specifications, designs, drawings and materials used in the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions or these conditions or otherwise concerning the works or 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 Arbitration of the Chairman and Managing Director (CMD) of Engineering Projects (India) Limited (EPI), or any other person discharging the functions of CMD of EPI is unable to act, to the Sole Arbitration of some other person appointed by the CMD of EPI or such person discharging the functions of CMD of EPI. There will be no objection if the arbitrator so appointed is an employee of Engineering Projects (I) Ltd. However, such an employee shall not have directly dealt with the said contract or the works there under on behalf of EPI. Such Arbitrator shall be appointed within 30 days of the receipt of letter of invocation of arbitration duly satisfying the requirements of this clause.
9.2 If the arbitrator so appointed resigns his appointment, 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.

9.3 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.

9.4 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 proceeding.

9.5 The work under the contract shall continue, if required, during the arbitration proceedings.

9.6 The arbitrator shall make speaking Award and give reasons for his decisions in respect of each dispute/claim along with the sums awarded separately on each individual item of dispute or difference or claims. The Arbitrator shall make separate award on each reference made to him.

9.7 The award of the arbitrator shall be final, conclusive and binding on both the parties.

9.8 Subject to the aforesaid, the provisions of the Arbitration and Conciliation Act, 1996 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.

Note: Notwithstanding anything contained herein above, this clause shall not be applicable where the dispute is between EPI and another Public Sector Enterprise or Govt. Department for which a separate Arbitration Clause is provided vide Clause No. A given below: -
A. ARBITRATION BETWEEN PUBLIC SECTOR ENTERPRISES INTER-SE/ GOVERNMENT DEPARTMENTS.

1. In the event of any dispute or difference relating Interpretation and application of the provisions of the contract, such dispute or difference shall be referred by either party to the arbitration as per the instructions (Office Memorandum/Circulars) issued by Govt. of India from time to time with regard to arbitration between one Govt. Dept. and another, one Govt. Dept. and a Public Sector Enterprise and Public Sector Enterprises inter se.

2. Subject to any amendment that may be carried out by the Government of India from time to time the procedure to be followed in arbitration shall be as is contained D.O. No. DPE/4(10)/2001-PMA-GL1 dated 22/01/2004 of Department of Public Enterprises, Ministry of Heavy Industries and Public Enterprises or any modification issued in this regard.

10. Court Jurisdiction: The Clause No.24 of GPC shall be replaced as under:

Disputes of any nature that may arise in connection with the execution of the contract shall be subjected to the jurisdiction of courts situated in CHENNAI only.

16. Quantity Variation: The rates quoted by the bidder shall remain firm, and shall cover all Component replacements within drawings required during testing and commissioning at site during acceptance tests by the client, M/s Hinduatan Aeronautices Ltd., Ozhar, Nashik District, Maharashtra.
TECHNICAL SPECIFICATION

Tender No: SRO/MKT/TH/144
25.10.2012

QUALITY OF MATERIALS & GENERAL STANDARDS OF WORK

The contractor should commit himself to use materials listed under "APPROVED MAKE" only. Materials, equipment, fittings, etc. used in the installation shall conform to the latest relevant IS. In case of materials for which standard specifications do not exist, the Consultant / Client’s Engineer-in-charge before start of work shall be approved the material.

Also the contractor should full responsibility for the quality of all material incorporated brought for incorporation in the work. The work shall be executed in accordance with Engineering Practice and as per directions of Consultants.

1. CODE, REGULATIONS AND STANDARDS:

Classification of degrees of protection provided by enclosures of electrical equipment

Electro-technical vocabulary: Part 8 Secondary cells and batteries (first revision) (Superseding IS:1174)

12063:1987 06
1885 (Part 8) :1986 04

Electro-technical vocabulary: Part 9 Electrical relays (Second revision 1885 (Part 9) :1992 07 of IS:1885)

1885 (Part 10) :1993 03

Electro-technical vocabulary: Part 10 Power system protection (first revision of IS 1885)

1885 (Part 11) : 1966 09

Electro-technical vocabulary: Part 16 Lighting, Section 2 General illumination, lighting fittings and lighting and traffic and signaling.

1885 (Part 16- Section 3):1967 10

Electro-technical vocabulary: Part 17 Switchgear and control gear (first revision)

1885 (Part 17) : 1979 08

Electro-technical vocabulary: Part 28 Instrument transformers (first revision of IS 1885)

1885 (Part 28) :1992 04

Electro-technical Vocabluary: Part 32 Electric cables (first revision of IS 1885)

1885 (Part 32): 1992 05

Electro-technical vocabulary: Part 38 Transformers (first edition)

1885 (Part 38):1977 05

Electro-technical vocabulary: Part 42 Power Capacitors (second revision of IS 1885)

1885 (Part 42):1992 04

Electro-technical vocabulary: Part 54 Insulators (First revision of IS CODE, REGULATIONS AND STANDARDS:

1885 (Part 54):1993 03

Classification of degrees of protection provided by enclosures of electrical equipment

12063:1987 06

Electro-technical vocabulary: Part 8 Secondary cells and batteries (first revision) (Superseding IS:1174)

1885 (Part 8) :1986 04
Electro-technical vocabulary: Part 9 Electrical relays (Second revision 1885 (Part 9) :1992 07 of IS:1885)

Electro-technical vocabulary: Part 10 Power system protection (first revision of IS 1885) 1885 (Part 10):1993 03

Electro-technical vocabulary: Part 11 Electrical measurements 1885 (Part 11) : 1966 09

Electro-technical vocabulary: Part 16 Lighting, Section 2 General illumination, lighting fittings and lighting and traffic and signaling. 1885 (Part 16- Section 3):1967 10

Electro-technical vocabulary: Part 17 Switchgear and control gear (first revision) 1885 (Part 17) :1979 08


Electro-technical Vocabulary: Part 32 Electric cables (first revision of IS 1885) 1885 (Part 32): 1992 05

Electro-technical vocabulary: Part 38 Transformers (first edition) 1885 (Part 38) :1977 05


Electro-technical vocabulary: Part 54 Insulators (First revision of IS 1885) 1885 (Part 54):1993 03

Boxes for the enclosure of electrical accessories: Part 2, Boxes made 5133(Part 2):1969 03 of insulating material

Ceiling roses (second revision) (with amendment No.4) 371:1979


Fittings for rigid non-metallic conduits (second revision) 3419:1988

Fittings for rigid steel conduits for electrical wiring (first revision) 2667:1988

Interlocking switch socket outlet 4160:2005

2.0 (first revision)

Maximum Demand indicators (class 1) 8530:1977 04

Testing equipment for AC electrical energy meters 12346:1988 05

Application guide for the selection of High Voltage fuses for transformer circuit applications. 12567:08:02

Carriers and bases used in rewritable type electric fuses for voltages 2086:1993 up to 650 V (third revision)

High voltage fuses: Part 2, Current limiting fuses. 9385 (Part l):1980

LV Fuses for voltages not exceeding 1000 V AC or 1500 V DC: Part I, General requirements

LV Fuses for voltages not exceeding 1000 V AC or 1500 V DC: Part 2, fuses for use by authorized persons, Section 1, Supplementary requirements

Specifications for LV Fuses for voltages not exceeding 1000 V AC or 1500 V DC

Application guide for measuring devices for high voltage testing 8722:57:09

Methods of high voltage testing: Part 1, General definitions and test requirements, (first revision) (Superseding IS: 2070-1972) 2071 (Part 1):1993

AC contactors of voltage above 1000 V up to and including 11000 V 9046:1978 08

Alternating current dis-connectors (isolators) and Earthing switches for voltage above 1000 V: Part 1 General and definitions 9921 (Part 1):1981

for voltage above 1000 V: Part 1 - General and definitions. 9921 (Part 2):1982

Alternating current dis-connectors (isolators) and Earthing switches for voltage above 1000 V: Part 2 - Rating. 9921 (Part 3):1982

Alternating current dis-connectors (isolators) and Earthing switches for voltages above 1000 V: Part 3 - Design and construction 9921 (Part 4):1985

Alternating current dis-connectors (isolators) and Earthing switches 9921 (Part 5):1985 for voltages above 1000 V: Part 5 - Information to be given with tender enquiries and orders

Dimensions of terminals of high voltage switchgear and control gear. 10634:03:00

General requirements for circuit breakers for voltages above 1000 V. 13118:1991

General requirements for switchgear and control gear for voltages exceeding 1000 V 12729:1988

Guide for testing of circuit breakers with respect to out-of-phase switching. 9135:1979

Interconnecting bus bars for AC voltage above 1 kV up to and including 36 kV 8116:56:00 13703(Part 1):1993/ IEC

Metal-enclosed switchgear and control gear for voltage above 1000 V 3459:49:00 but not exceeding 11000 volts (with amendment No.1) 269-1 (1986) 15

Methods of synthetic testing of high voltage alternating current circuit 13549:13:00 1 3703(Part 2-Section 1): 1993/ IEC-269-2(1993)

Switches and switch isolators for voltages above 1 000V: Part 1 9920(Part 1):1981

General and definitions.

Switches and switch isolators for voltages above 1 000V: Part 3 9920(Part 3):1982

Design and Construction
Application guide for voltage transformers (first revision)


Current transformer: Part 4, Protective current transformers for special purpose applications (Second revision)

Voltage transformers: Part 1, General requirements (second revision) 3156(Part 1):1992

Voltage transformers: Part 2, Measuring voltage transformers (second revision)

Voltage transformers: Part 3, Protective voltage transformers (second 3156 (Part 3):1992 revision)

Voltage transformers: Part 4, Capacitor voltage transformer (second 3156(Part 4):1992 revision)

Circuit Breakers for over current protection for household and similar installations (first revision)

Code of practice for selection, installation and maintenance of switchgear and control gear(superseding IS 3072-75 & 3106-66):
Part 1 - General

Code of practice for selection, installation and maintenance of switchgear and control gear(superseding IS 3072-75 & 3106-66):
Part 2 - Selection

Code of practice for selection, installation and maintenance of switchgear and control gear(superseding IS 3072-75 & 3106-66):
Part 3 - Installation.

Code of practice for selection, installation and maintenance of switchgear and control gear(superseding IS 3072-75 & 3106-66):
Part 4 – Maintenance

Identification of terminals of contactors and associated overload relays

LV switchgear and control gear, Part I - General rules

LV switchgear and control gear, Part 2 - Circuit breakers

LV switchgear and control gear Part 3, Switches, dis-connectors, switch dis-connectors and fuse combination unit

LV switchgear and control gear Part 4, Contactors and motor starters 1394 7(Part 4)-section Section 1, Electromechanical 1):1993

LV switchgear and control gear Part 5, Control circuit devices and switching elements, Section 1 Electromechanical control device (All 1):1993 parts)

Miniature circuit breaker boards for voltage up to and including 1000 13065:11:00 volts AC.

Part 1, Requirements for type-tested and partially type tested assemblies (first revision)

Specification for low voltage switchgear and control gear assemblies: 8623(Part 2):1993

Part 2, Particular requirements for bus bar trunking systems (bus ways) (first revision)

LV Switchgear and control gear assemblies: Part 3, Particular requirements for equipment where unskilled persons have access for their use.

Brass glands for PVC cables 12943:1990

Cast iron joints boxes for tee and branch trouser joints suitable for paper insulated cables for voltages up to and including 11 kV. 10639:03:00

Code of practice for installation and maintenance of power cables up to and including 33 kV rating (second revision)

Compression type tubular in-line connectors for aluminum conductors 8341:13:00 of insulated cables (first revision)

Compression type tubular terminal ends for aluminum conductors of insulated (with amendment No.1)

Conductors for insulated electric cables and flexible cords (first revision) 8163:04:00


V Second revision
working voltage up to and including 1100 V (Second revision)

Cross linked polyethylene insulated PVC sheathed cables: Part 2 for 7098(Part 2):1985
working voltage from 3.3 kV up to and including 33 kV (first revision)

Drums for electric cables. 10418:1982

Methods of test for cables : Part 0, General 10810(Part 0):1984

PVC insulated cables for working voltages up to and including 1100 V 694:1990
(Third revision)

Application guide for electrical relays for AC systems: Part 1, Over
3842(Part 1):1967 current relays for feeders and transformers

Application guide for electrical relays for AC systems: Part 2, Over
3842(Part 2):1966 current relays for generators and motors

Application guide for electrical relays for AC systems: Part 3, Phase
3842(Part 3):1966 unbalance relays including negative phase sequence relays (with
amendment No.1)

Application guide for electrical relays for AC systems: Part 4, Thermal 3842(Part 4):1966
relays (with amendment No.1)

Application guide for electrical relays for AC systems: Part 5, 3842(Part 5):1968
Distance protection relays

Application guide for electrical relays for AC systems: Part 6, Power 3842(Part 6):1972
relays.

Application guide for electrical relays for AC systems: Part 7) 3842(Part 7):1972
Frequency relays.

Application guide for electrical relays for AC systems: Part 8, Voltage 3842(Part 8):1976
relays.

Application guide for electrical relays for AC systems: Part 9, Relays 3842(Part 9):1977
for bus bar protection.

Application guide for electrical relays for AC systems: Part 10, Relays 3842(Part 10):1976
for transverse differential protection

Application guide for electrical relays for AC systems: Part 12, 3842(Part 12):1976
Differential relays for transformers.

Specification for electrical relays for power system protection (with
3231 (Part 0):1986 amendment No.4)

Application guide for on-load tap changers 8478:1977

Application guide for power transformers 10561:1983

Cable sealing boxes for oil immersed transformers suitable for paper 9147:1979
insulated lead sheathed cables for highest system voltages from 12
kV up to and including 36 kV.

Code of practice for selection, installation and maintenance of

Code of practice for selection, installation and maintenance of
10028(Part II):1981 transformers: Part 2- Installation (Superseding IS:1886)

Outdoor type three-phase distribution transformers up to and
1180(Part I):1989 including 1 00kVA, 11kV, Part 1 - Non-sealed type

Outdoor type three-phase distribution transformers up to and
1180(Part II):1989 including 100kVA 11kVPart II Sealed t
including 100kVA,11kV:Part II - Sealed type

Power transformers: Part 1, General (First revision) 2026(Part I):1 977
Flame proof enclosures of electrical apparatus (First revision) 2148:1968
Guide for selection of electrical equipment of hazardous area (First revision) 5603:59:00
Classification of hazardous areas for electrical installations: Part I, Areas having gases & vapors (first revision) 5572(Part I):1978
New Insulating oil for transformers and switch gear(Third revision) 335 -1993
Specification for PVC insulated (heavy duty) electric cables Part I For working voltages up to and including 1100 volts(Third revision) 1554-(Part I) 1988
Specification for PVC insulated (heavy duty) electric cables Part 2 For working voltages up to and including 1100 volts(Third revision) 1554-(Part 2) 1988
Code of practice for fire safety of buildings (general) Electrical Installations 1646-1997

Industrial luminaries with metal reflectors(First revision) 1777-1978
Starters for fluorescent lamps 2215-1983
Code of practice for protection of buildings and allied structures against lighting(Second Revision) 2309-1989
Specifications for Tubular fluorescent lamps for general lighting services 2418_(Part 1 to 4) – 1977
Enclosed distribution fuse boards and cutouts for voltages not exceeding 1000 volts (Second revision) 2675-1983
Code of Practice for fire safety of industrial buildings- Electrical generating and distribution stations (Second Revision) 3034:1993

**TESTING AND COMMISSIONING**

a) All checks and tests as per the Manufacturer's drawings / manuals, relevant code of installation and commissioning for various types of equipments shall be carried out by the contractor as a part of installation work.

b) High voltage testing by voltage boosters, relay calibration by secondary injection and meter calibration have to be carried out at site by authorized agencies before commissioning

c) The client may ask for additional tests on site that are necessary to determine the works compliance with the Specifications, Manufacturer's guarantee / instructions or the applicable code of installation. The contractor shall carry out such additional tests also without any additional cost.
d) The Client's authorized representative should be present during every test as called by the Client. The Contractor should record all test values and furnish the required copies of the test data to the client. Electrical circuits and equipments shall be energized or used at nominal operating voltage only after the Client has accepted such reports as satisfactory.

SAMPLES

The Contractor should submit two sets of samples of accessories or apparatus that are proposed to use in the installation to the Consultant/Client for approval.

The contractor as required shall submit drawings of samples and this specification shall not be departed from without the written instructions from the Consultant/Client. The verbal approval given by the Consultant to any drawings or samples submitted by the Contractor shall in no way exonerate the Contractor from their liability to carry out the work in accordance with the forms of contract. The Contractor should start the work only after obtaining approval from the Consultant/Client and that too in writing only.

Plugs and socket outlets of rated voltage up to and including 50 volts and rated current up to and including 16 Amps (third revision)

AC electricity meters: Part 3, Three-phase whole current and transformer operated and single-phase transformer operated watt-hour meters, class 2(Second revision) (with amendment No.2)

AC electricity meters: Part 5, Volt-ampere hour meters for restricted power factor range, class 3.5 (first revision) (with amendment No.2)

Guide for testing, calibration and maintenance of AC electricity