SHORT NOTICE INVITING TENDER

NIT No.: SRO/MKT/TH/138 Date: 03.10.2012

Engineering Projects (India) Ltd. invites sealed tenders from approved cable suppliers as listed in the Price Bid for Supply of HT, LT power and Control cables for “Civil, Electrical and other Utility Services for the “Construction of Hangars and Allied Facilities for Pkgs. II and III (Overhaul Complex ) in HAL Nashik Factory area” in sealed cover for items as mentioned in Price Bid and Instruction to Tenderer (ITT) enclosed and as per detailed technical specification.

The cables should comply with the latest relevant Bureau of Indian Standards Specifications as listed in this Notice Inviting Tender.

The offer should be valid for a minimum period of 3 (Three) months from the last date of submission of bid. In case the last date of submission of bid is extended due to any reason, the extended date shall then be considered.

**Delivery period:** Progressively within Ninety (90) days from the date of Purchase Order, or as informed in writing by EPI.

The interested tenderers can download all the documents from EPI website [www.engineeringprojects.com](http://www.engineeringprojects.com) or [www.epi.gov.in](http://www.epi.gov.in). Any corrigendum/Addendum uploaded shall form part of the 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 - 6 Page
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:  15.10.2012 upto 4.00 PM  
Date & Time of Opening of Tender:  15.10.2012 at 5.00 PM  
(Techno Commercial cum Price Bid Only)

Techno- Commercial cum 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.engineeringprojects.com 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 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.

Signature of the Bidder with Seal

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 3 (Three) 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 20 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
ADDENDUM TO “INSTRUCTIONS TO TENDERERS (SUPPLIERS)”

NIT No. : SRO/MKT/TH/138 Date: 03.10.2012

1. **CLAUSE NO. 11 of Instructions to Tenderers (Suppliers) stands amended as below:**
   No deviation shall be allowed from the terms and conditions stipulated in the tender documents and tenders containing deviations/conditional tenders will be rejected.
MEMORANDUM

Ref. : Tender for Supply of HT and LT Power cables and Control Cables of approved brands as mentioned in the Technical Specifications for “Civil, Electrical and other Utility Services for Construction of Hangars and Allied Facilities for Pkgs. II and III ( Overhaul Complex ) in Factory Area” for at HAL Nashik.

NIT No. : SRO/MKT/TH/138  dt. 03-10-2012

<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>Supply of HT, LT and Control cables conforming to the latest IS Codes specific to the type of cables and as per Technical Specifications as enclosed for the “Civil, Electrical, and other Utility Services for the Construction of Hangars and Allied Facilities for Pkgs II and III ( Overhaul Complex ) in Factory Area” for HAL at Nashik.</td>
</tr>
<tr>
<td>ii)</td>
<td>Owner / Client / Employer</td>
<td></td>
<td>Engineering Projects (I) Ltd</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>90 (Ninety) 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>xi)</td>
<td>Validity of Tender</td>
<td>-</td>
<td>3 (Three) months</td>
</tr>
<tr>
<td>xii)</td>
<td>Security Deposit cum Performance Guarantee</td>
<td>GPC</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td>Retention Money</td>
<td>-</td>
<td>Nil</td>
</tr>
<tr>
<td>---</td>
<td>-----------------</td>
<td>---</td>
<td>-----</td>
</tr>
<tr>
<td>xiv)</td>
<td>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 FAX of Purchase Order.</td>
</tr>
<tr>
<td>xv)</td>
<td>Defect Liability Period</td>
<td>-</td>
<td>1 (One) Year from the date of supply.</td>
</tr>
<tr>
<td>xvi)</td>
<td>Arbitration</td>
<td>GPC</td>
<td>As specified in the GPC</td>
</tr>
<tr>
<td>xvii)</td>
<td>Jurisdiction</td>
<td>GPC</td>
<td>Courts in Chennai</td>
</tr>
</tbody>
</table>

SIGNATURE OF TENDERER

NAME (CAPITAL LETTERS) : _________________________________________

OCCUPATION _______________________________________________________

ADDRESS _______________________________________________________

______________________________________

SEAL OF TENDERER
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/RTGS to a specified account, 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. Manufacturers Test Report shall clearly specify the relevant IS Code,
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 notwithstanding 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 dispute 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 ...........................................................................................................................

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

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

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

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

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

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

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

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

7. Manufacturer ...............................................................................................................................  
Distributor .....................................................................................................................................
Dealer .......................................................................................................................................... 
Stockist ........................................................................................................................................ 

8. Facilities Available

a) Testing Facilities .................................................. In House ................................................... 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 .........................................................................................

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

Signature of the Bidder with Seal 15 EPI
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/138                                           Date: 03.10.2012

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/RTGS provided by the manufacturers/Supplier to a specified account in accordance with the following procedure.

   **2.1** 90% of the price of the material shall be paid within seven (7) days receipt of material at site in good condition. The invoice should be supported by manufacturer test certificate.

   **2.2** Balance 10% of price of material shall be released within thirty (30) days after completion of the warranty of the material supplied to EPI at the specified site.

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 material supplied shall be tested in lots as prescribed in the clients manual / specifications and it must conform to specifications as prescribed by relevant IS 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.

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

Required cables will be supplied in wooden drums painted with the purchase order reference, date of packing etc clearly and legibly marked.

8. **Security Deposit**: The Clause No.9 of GPC stands amended to read that the validity of the Bank Guarantee of the successful bidder shall remain valid till the end of the warranty period.

9. **Assembly, after sales service and training**: The Clause No.11 of GPC stands deleted.

10. **Spare Parts**: The Clause No.20 of GPC stands deleted.

11. **Drawings**: The Clause No.21 of GPC stands deleted.

12. **Literature of Equipment**: The Clause No.22 of GPC stands deleted.

13. Material shall be delivered at “Civil, Electrical and other Utility Services for Construction of Hangars and Allied Facilities for Pkgs. II and III (Overhaul Complex) in Factory Area” for at HAL Nashik.

14. **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:

14.1 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.

14.2 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.

14.3 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.

14.4 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.

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

14.6 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.

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

14.8 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 INTERSE/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. Deptt and another, one Govt. Deptt. 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.

15. 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 up to a quantity variation of plus or minus 20% to the quantities mentioned in the Price Bid.
TECHNICAL SPECIFICATION

Tender No: SRO/MKT/TH/138 03.10.2012

Specifications for HT Cables

1.24.1 Standards

The following Standards and Rules shall be applicable amended up to date

IS : 8130-1976 Conductors for Insulated Electric Cables and Flexible Cords.
IS : 3975-1979 Mild Steel wires, strips and tapes for armouring of Cables
IS : 3961-1967 Recommended current rating for cables.
IS : 1255-1985 Code of Practice for installation and maintenance of paper insulated power cables (up to and including 33 KV).
IEC 502/94 - XLPE insulated sheathed cables for electricity supply

1.24.2 Rating

a The conductors shall be made from E1 critical grade high conductivity aluminum wires of Stranded type to form sector shaped conductor. The conductors shall conform to IS 8130 1976 (amended up to date).and IS 7098 (Part-2)/1985

b Aluminium conductor used in HT Cable shall be stranded, compacted and round to achieve minimum electrical stress.

c The Aluminium conductor shall have a semi- conductor layer of XLPE suitable thickness wrapped in such way that it covers the conductor entirely.

d The main insulation shall be of cross linked polyethylene (XLPE) in natural colour and shall be free of air voids and foreign material.

e The insulation shall be covered with another layer of semi conducting layer followed by copper tape to provide suitable earthing around the each core to keep the electrical stress radial

f Each Core shall have a numbered /colored polyester tape applied over the copper tape for identification of all three core

g Inter sheath over the laid up cores shall be of thermoplastic extruded type and armoring over the inner sheath shall be galvanised steel wire or stripes of adequate size to give
mechanical protection and PVC FRLS( Flame Retardant law Smoke) outer sheath over the amour shall also be adequate thickness all as specified in the IS

h The XLPE Cable shall be suitable to withstand minimum conductor temperature of 90 deg C and 250 deg C operation and short circuit respectively and these cable shall be manufactured by triple extrusion using single (common) cross head extrusion technique and dry cure inert gas cured cross linking progress.

1.24.3 Current Ratings

The continuous current ratings of the cables shall be based on the following conditions
Maximum conductor temperature – 90 deg C
a) Ambient Air temperature – 40 deg C
   Ground Temperature – 30 deg C
   Thermal resistivity of soil - 150 C Cm/W
b) Depth of laying - 1500 mm

1.24.4 Short Circuit rating

The short circuit rating for one second shall be as per IS 692 1973 (up to date) and based on the following:

a) Maximum conductor temperature - 90 deg C under full load condition.

b) Maximum permissible temperature - 250 deg C of conductor during short circuit.

1.24.5 Testing And Inspection

a) Tests shall be carried out at manufacturer’s works.

b) The cables shall be subjected to 'Routine Tests ' i.e conductor resistance at 20 deg C and A.C voltage test as per relevant IS.

c) Type test certificates and results as per IS 692 shall be furnished.

d) 6 copies each of the above test certificates shall be submitted to the Owners

1.24.6 Packing, Marking And Transport

1) The cables shall be supplied on strong wooden drums of suitable size barrel diameter. The inner end of the cable shall protrude out from the drums flange and is fully protected against any mechanical damage and effectively sealed against increase of moisture with heat shrink end caps. The drum is overall lagged with wooden battens and steel straps.
Each cable drum is marked with particulars of cable size, voltage class, length, direction of rolling, position of outer end, gross weight ISI certification mark.

1.31.2 Code and Standards:

The following standards shall be applicable as amended up to date.

- IS 7098 (Part I) XLPE insulated cables for working voltages up to and including 1000 V
- IS 5831 1984 PVC insulation confirming to requirement of ST2 compound for Outer sheath of electric cables
- IS 8130 1984 Conductors for insulated electrical cables
- IS 1554-1988 (Part I) Specification for PVC insulated electric cables (heavy duty)Part 1 for working voltages upto and including 1100 volts(Third revision)
- IS:1753-1967 Aluminium conductors for insulated cables
- IS: 694 : 1990 PVC insulated cables for working voltages upto and including 1100 volts (Third revision)
- IS : 1255 : 1983 Code of Practice for installation and maintenance of paper insulated power cables (upto and including 33 KV)
- IS : 7098(Part I) - 1988 Cross linked Polyethylene(XLPE) insulated PVC sheathed Cables :Part I for working voltage upto and including 1100 Volts (Second Revision)

SPECIFICATIONS FOR LT CABLES

1) Power Cables:
The cables shall comply the following:

a. 650/1100V grade with stranded aluminium conductors above 6 sq.mm and stranded copper conductors upto 6 sq.mm

b. The cable shall be 2/3/3.5 or 4 Core Aluminium conductors, XLPE insulated and PVC insulated heavy duty and suitable for 1100 Volts

c. Aluminium conductor shall be standard, compacted and circular shaped and the main insulation shall be cross linked polyethylene (XLPE) with inner sheathing PVC extruded and each core of the cable shall have colour identification all as specified in IS.

d. Armour over the inner sheath shall be either of strip or wire type and outer sheath shall be extruded PVC Conforming to IS.

e. Cable Shall be suitable to with stand maximum conductor temperature of 90 deg C and 250 deg C during operation and short circuit respectively.

2) Control Cables

Control Cables shall be 1.1 kV grade multicore-stranded copper conductor with PVC insulation and armouring.

1.31.3 Selection of Cables

Cables should be selected considering the conditions of maximum connected load, ambient temperature, grouping factor, and allowance for voltage drops. However it is the responsibility of the contractor to recheck the lengths before cables are procured. Contractor should submit the cable length calculation to client / consultant for approval before procuring cables.

1.31.4 Insulation

1) The conductor is insulated with suitably compounded PVC applied to the conductor by the extrusion.
2) The PVC compound used for insulation shall have reduced flame propagation property. This shall also have reduced emission of hydrogen chloride gas fumes etc. when severely overheated during fires.

1.31.5 Core Identification

The cores of the cables shall be provided with the color scheme of PVC insulation as per IS for any easy identification.

1.31.6 Armouring

The armoring of multi core cable consists of either GI round steel wires or GI flat strips and in case of single core cable armoring shall be of non magnetic material such as hard drawn aluminum or aluminum alloy wires or strips.

1.31.7 Outer Sheath

The PVC compound used for outer sheath shall be resistant to termites, fungus and rodent attacks and shall also have reduced flame propagation property as specified above.

1.31.8 Identification

The manufacturer’s name, voltage grade of cable, year of manufacture, nominal cross sectional area of conductor shall be embossed on the outer sheath of the cables throughout the length of the cable at regular intervals.

1.31.9 Packing, Marking and Transport:

1 The cables shall be supplied in strong, non-returnable wooden drums of heavy construction.

2 Each cable drum is marked with particulars of cable size, voltage class, length, direction of rolling, position of outer gross weight, ISI certificate.
Price Bid for supply of HT, LT Power and Control Cables

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty</th>
<th>Unit Rate</th>
<th>Total Amount</th>
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</thead>
<tbody>
<tr>
<td>Packg II</td>
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<tr>
<td>3 HT Cable :</td>
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<tr>
<td>Supply, Storage at proper place, of Nominal Size of Conductor 300 Sq.mm, XLPE Insulated, Armoured, Aluminium Conductor, 11 KV (E) HT Cable. cable shall conform to IS 7098 / Part 11 or amended.</td>
<td></td>
<td>Mtrs</td>
<td>200.00</td>
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<tr>
<td>12 Power and Lighting Cables :</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Supply, Store at proper place cables of 1.1 KV Grade XLPE Insulated /PVC Insulated, Armoured Cables as mentioned below. Note that the sizes mentioned below are Nominal Sizes of Conductor and should meet the minimum current carrying capacity in ground at 30°C assuming thermal resistivity of soil of 150°C cm/W as per IS:7098 (Part I) 1985 OR amended for the XLPE insulated cables and IS 1554 (Part I) - 1988 or amended for PVC insulated cables.</td>
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<tr>
<td>12.01 3.5 Core x 240 Sqmm XLPE Aluminium armoured Cable</td>
<td>Mtr</td>
<td>10200.00</td>
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<tr>
<td>12.02 3.5 Core x 185 Sqmm XLPE Aluminium armoured Cable</td>
<td>Mtr</td>
<td>2100.00</td>
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<tr>
<td>S.No</td>
<td>Description</td>
<td>Unit</td>
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<tr>
<td>12.03</td>
<td>3.5 Core x 150 Sqmm XLPE Aluminium armoured Cable</td>
<td>Mtr</td>
<td>750.00</td>
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<td>12.04</td>
<td>3.5 Core x 95 Sqmm XLPE Aluminium armoured Cable</td>
<td>Mtr</td>
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<td>12.05</td>
<td>3.5 Core x 50 Sqmm XLPE Aluminium armoured Cable</td>
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<td>4.0 Core x 25 Sqmm XLPE Aluminium armoured Cable</td>
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<td>12.08</td>
<td>4 Core x 6 Sqmm PVC Aluminium armoured Cable</td>
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<td>4 Core x 2.5 Sqmm PVC Copper armoured Cable</td>
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<td>12.1</td>
<td>3 Core x 2.5 Sqmm PVC Copper armoured Cable</td>
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<td>100.00</td>
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<td>12.11</td>
<td>3 Core x 240 Sqmm XLPE Copper armoured Cable</td>
<td>Mtr</td>
<td>310.00</td>
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<tr>
<td>12.12</td>
<td>3 Core x 95 Sqmm XLPE Copper armoured Cable</td>
<td>Mtr</td>
<td>100.00</td>
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<tr>
<td>12.13</td>
<td>3 Core x 50 Sqmm XLPE Copper armoured Cable</td>
<td>Mtr</td>
<td>3250.00</td>
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<td>12.14</td>
<td>24 Core x 2.5 Sqmm XLPE Copper armoured Cable</td>
<td>Mtr</td>
<td>250.00</td>
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<tr>
<td>13.13</td>
<td><strong>Telephone Cables / Jelly Filled Cables</strong></td>
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<td></td>
<td>Supply of telephone cables armoured, annealed, tinned copper conductor and</td>
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<td></td>
<td>petroleum jelly filled with polythehe outer jackets conforming to P&amp;T</td>
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<tr>
<td></td>
<td>specifications.</td>
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<tr>
<td>13.14</td>
<td>10 Pair Armoured annealed tinned copper conductor cable and</td>
<td>Mtr</td>
<td>90.00</td>
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<tr>
<td>13.15</td>
<td>20 Pair Armoured annealed tinned copper conductor cable and</td>
<td>Mtr</td>
<td>120.00</td>
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<tr>
<td>13.16</td>
<td>50 Pair Armoured annealed tinned copper conductor cable and</td>
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<td>700.00</td>
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<td>13.17</td>
<td>100 Pair Armoured annealed tinned copper conductor cable and</td>
<td>Mtr</td>
<td>3000.00</td>
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<td>13.18</td>
<td>Joint Kit For the 100 pair Telephone cable weather proof type suitable</td>
<td>No</td>
<td>6.00</td>
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</table>

**Packg III**

**3** **HT CABLE :**
Supply, Storage at proper place, Laying, Testing and Commissioning of 3 Core, Nominal Size of Conductor 300 Sq.mm, XLPE Insulated, Armoured, Aluminium Conductor, 11 KV (E) HT Cable. The cable shall conform to IS 7098 / Part 11 or amended. Note that the size mentioned is Nominal Size of Conductor and should meet the minimum current carrying capacity in ground at 30°C assuming thermal resistivity of soil of 150°C cm/W as per IS:7089 (Part II) 1985 or amended. The empty cable drum should be stored at proper place as directed by the engineer-in-charge.

<table>
<thead>
<tr>
<th>13.08</th>
<th>POWER AND LIGHTING CABLES:</th>
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<tbody>
<tr>
<td>14.01</td>
<td>4 Core x 6 sqmm PVC  Aluminium armoured cable</td>
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<tr>
<td>14.02</td>
<td>4 Core x 2.5 sqmm PVC  Copper armoured cable</td>
<td>Mtr</td>
</tr>
<tr>
<td>14.03</td>
<td>3 Core x 2.5 sqmm PVC  Copper armoured cable</td>
<td>Mtr</td>
</tr>
<tr>
<td>14.04</td>
<td>24 Core x 2.5 sqmm XLPE  Copper armoured cable</td>
<td>Mtr</td>
</tr>
</tbody>
</table>

30 TELEPHONE CABLES / JELLY FILLED CABLES:

| 30.01 | 10 Pair Armoured annealed tinned copper conductor cable and petroleum jelly filled 0.6 mm | Mtr | 200.00 |
| 30.02 | 20 Pair Armoured annealed tinned copper conductor cable and petroleum jelly | Mtr | 1000.00 |
| 30.03 | 50 Pair Armoured annealed tinned copper conductor cable and petroleum jelly | Mtr | 750.00 |
| 30.04 | 100 Pair Armoured annealed tinned copper conductor cable and petroleum | Mtr | 1700.00 |
### Commercial terms and conditions:

Rates shall be quoted inclusive of all taxes, duties and charges as applicable on FOR site delivery basis.

**Delivery:** Cables shall be supplied directly to site under intimation to this office on award of work.

**Variation in Qty:** up to + 20%

**Material Test Certificate:** Required.

<table>
<thead>
<tr>
<th></th>
<th>PA SYSTEM</th>
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<tbody>
<tr>
<td>35.01</td>
<td>Supply of PA System cables armoured annealed tinned copper conductor with jackets</td>
</tr>
<tr>
<td>35.02</td>
<td>2C x1.5 sqmm copper armoured PVC Insulated conductor cable for the PA system complete.</td>
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<tr>
<td></td>
<td>Mtr</td>
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</tbody>
</table>

Signature of Bidder with seal