



Bharat Heavy Electricals Limited
Electronic Systems Division, Electronics City, Bangalore – 560 100.

Bharat Heavy Electricals Limited

(A Govt.of India Undertaking)

Electronics Systems Division, Plot No.98, Phase-I, Electronics city,
Hosur Road, Bangalore-560 100

NOTICE INVITING TENDER

Tender Reference :	BHE/ESD/FS-CIVIL/14-15/SPD&SBD-2 dated: 23/02/2015
Name of the work	Providing Flooring, False ceiling and Aluminum work for the proposed solar cell storage and testing facilities in SPD/SBD building at BHEL-ESD
Earnest money deposit	Nil
Last date and time for the receipt of completed tender	09/03/2015 (Monday): 1300Hrs
Date and time for tender opening :	09/03/2015 (Monday): 1330Hrs
Place of submission of completed tender:	To be dropped in the tender box kept at <u>reception area in BHEL-ESD, Plot No.98, Electronics City Phase-I, Bangalore - 560100.</u>
Submission of tender	Tender to be submitted in two parts in separate sealed covers, i.e. Part-I Technical-Cum-Commercial Bid, and Part-II Price Bid.
Address	The tender must be addressed to AGM-FS & HR, BHEL-Electronics Systems Division Plot No. 98, P.B. No. 22910 Electronic City Phase- I, Hosur Road, Bangalore -560100
Additional Note :	This tender is web hosted. Kindly check our web sites, www.bhel.com and www.bheledn.com for any amendments /corrigendum before quoting.

This tender document contains page 01 to 14

Note: The tenderer shall return the duly filled in Tender Documents after affixing signature and seal on all pages.

Issued by:

Date:



1.0 General information & Scope of work

1.0 Scope of work:

Scope of work includes supply and installation of false ceiling, polyvinylchloride flooring and 03 No.'s of Aluminium doors (01 sliding and 02 swing doors) in SPD/SBD building at BHEL-ESD, Bangalore.

This is a turnkey project and involves the complete setup with all finishing works. The scope covers all the activities as described in the technical specifications.

Any other material/ materials which is not specifically mentioned in the tender document but is required for the completion of work will be supplied by the vendor. Further there may be variation in the actual amount of material used and done. Payment will be made as per the actual work done after completion of work and submission of invoice.

Inspection of customer location: The bidder is requested to visit the location before submission of offer to ensure the rate quoted for the relevant schedule of items are correct.

1.1 Technical specifications:

(A) Providing false ceiling:

- I. Providing and fixing false ceiling with 12 mm thick plain/ semi perforated or with design ceiling tiles of BWP type phenol formaldehyde synthetic resin bonded pressed particle board conforming to IS:3087, finished with a coat of aluminium primer on both sides & edges including two coats of synthetic enamel paint of approved quality on exposed face, fixed to a grid made out of anodised aluminium (with 15 micron anodic coating) T-sections 35 x15x1.5 mm size main runners and cross runners 23.5x19x1.5 mm fixed to main runners placed 600 mm centre to centre both ways so as to form a grid of 600 mm square. The frame work shall be suspended from ceiling by level adjusting hangers of 6 mm dia M.S rod fixed to roof slab by means of ceiling cleats and dash fastener. The suspenders shall be placed 600 x 1200 mm centre to centre including fixing to the frame with C.P brass screws and applying a priming coat of zinc chromate yellow primer (including aluminium frame work)



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(B) Providing PVC Flooring:

- I. Providing and fixing 2.0 mm thick homogeneous polyvinyl chloride sheet/tile in flooring and skirting in approved pattern on smooth and damp proof base using rubber based adhesives of approved quality and manufacturer like dunlop S-758, Fevicol SR 998 or equivalent including rolling with light wooden roller weighing about 5 kg. all complete as directed by Engineer-in-Charge, in approved colour and shade.

(C) Providing Aluminium Doors

- I. Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.
- II. Providing and fixing Pre-laminated flat pressed 3 layer (medium density) particle board or graded wood particle board IS : 3087 marked, with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 marked, in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer. (25MM thick board)
- III. Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. With float glass panes of 5.50 mm thickness

Rate of all the items as per the specification above and description of items to include supply and installation including preparation work (If any), cost of all materials, labour, transportation, etc. all complete.

Contractor should take care of the safety measures at all stage of work as per Annexure-C particularly working at heights, working during night time, etc., by issuing proper PPE's to the labours deployed.



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2.0 Essential Criteria (Mandatory)

1. The Tenderer should have Experience of having successfully completed similar work with any Govt. organizations /PSU / Public Limited Company/ Private limited companies during last 3 years of either of the following: -

- a. Three similar completed works costing not less than 0.78 lakh.
or
- b. Two similar completed works costing not less than 0.98 lakh.
or
- c. One similar completed work costing not less than 1.56 lakhs.

Completion certificate/work order for the above to be provided.

2. The Tenderer should have an established office set up in Bangalore.

3. The bidder shall have a minimum average turnover of Rs.0.59 Lakh per year for the last three consecutive years ending 31st March of the previous financial year. The Bidder shall submit proof of turnover.

4. Bidder should have valid registration under CST / VAT, Excise/ Service Tax Acts. The corresponding documentary proof to be furnished.

6. BHEL reserves the right to reject any or all the bids at any time without assigning any reason whatsoever. The opinion / decision of BHEL regarding the acceptance or rejection of the bid shall be final and conclusive.

7. The above conditions (sl. No.1. to 6) of 2.0 must be fulfilled by the tenderer. Otherwise the tender will be summarily rejected

3.0 Payment Terms:

- (i) 100% payment will be made after completion of supply and completion of the work and certification by user department.
- (ii) Payment will be made as per actual work done.
- (iii) Payment will be through Electronics Fund transfer (EFT) only.
- (iv) Security deposit of 10% on the running bill will be deducted, which will be returned at the end of the warranty period (3 months) on submitting all the required documents / Returns / Proof of compliance.



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Part – 1

Information to be provided by the contractor

Techno-Commercial Bid

1	Name of the Work	Providing Flooring, False ceiling and Aluminum work for the proposed solar cell storage and testing facilities in SPD/SBD building at BHEL-ESD
2	Name of the Bidder	
	a) Address for correspondence	
	b) Contact person with Telephone Nos. and email id.	
4.	Scope of work	Understood / Not Understood
5	BHEL'S Payment Terms	Acceptable / Not Acceptable
6	Technical bid with all pages signed and filled is submitted.	Enclosed / Not enclosed

Note: If any of the above mentioned criteria is not met the bid will be rejected.

Declaration:

I / We hereby declare that I / We have not been banned and de-listed by any Government Department / Financial Institution / Court.

Further declare that the information provided above is true and if found incorrect the tender will likely to be rejected at the discretion of BHEL.

Signature
(Name & Address of the Tenderer with Official Seal)



ANNEXURE-A

GENERAL CONDITIONS OF CONTRACT

It is hereby agreed by me/us that the BHEL General Conditions of Contract including subsequent amendments/ additions/deletions to clauses if any, and conditions pertaining the settlement of disputes by Arbitration form an integral part of the tender documents and that the tender submitted by me/ us is subject to the aforesaid BHEL General Conditions of Contract which has been read and accepted by me/us.



ANNEXURE-B

FORM OF TENDER

Having examined the invitation to bid, Instructions to Bidder, General conditions of contract, special conditions, specifications tender schedule, contract drawings and other documents for the above work, we the undersigned, offer to construct, erect complete and maintain the whole of the said in conformity with the said bid documents on the terms and conditions and under the provisions set out or called for in the contract documents at the rates listed in the schedule of unit prices or else wherein the contract documents.

We undertake if our bid is accepted, to commence the works within 7 days from the date of issue of award and to complete and delivery the whole of the works comprised in the contract as per the time schedule agreed to the contract document.

We agree to abide by this bid for the period of three months from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before expiry of the period.

Until and unless a formal agreement is prepared and executed this bid, together with your award thereof shall constitute a binding contract between us.



ANNEXURE-C

SAFETY CODE
RESPONSIBILITIES OF THE CONTRACTOR IN RESPECT OF
SAFETY OF MEN, EQUIPMENT, MATERIAL AND ENVIRONMENT

1. Before commencing the work, contractor submits a “SAFETY PLAN” to the authorized BHEL Official. The ‘SAFETY PLAN’ shall indicate in detail the measure that would be taken by the contractor to ensure safety of men, equipment, material and environment during execution of the work. The plan shall take care to satisfy all requirements specified hereunder. The contractor shall submit Safety Plan along with his offer. During negotiations before placing of work order and during execution of the contract BHEL shall have right to review and suggest modification in the Safety Plan. Contractor shall abide by BHEL decision in this respect.
2. The contractor shall take all necessary safety precautions and arrange for appropriate appliances as per direction of BHEL or its authorized officials to prevent loss of human lives, injuries to personnel engaged, and damage to property and environment.
3. The contractor shall provide to its work force and ensure the use of the following personal protective equipment as found necessary and as directed by the authorized BHEL officials:-Safety Helmets conforming to IS-2925: 1984.
 - (i) Safety Belts conforming to IS-3521: 1983.
 - (ii) Safety Shoes conforming to IS-1989: 1978.
 - (iii) Eye and Face protection devices conforming to IS-8520: 1977 and IS-8940: 1978.
 - (iv) Hand and body protection devices conforming to:
 - IS-2573: 1975
 - IS-6994: 1973
 - IS-8807: 1978
 - IS-8519: 1977

All tools, tackles, lifting appliances, material handling equipment scaffolds, cradles, safety nets, ladders, equipment’s etc. used by the contractor shall be of safe design and construction. These



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shall be tested and certificate of fitness obtained before putting them to use and from time to time as instructed by authorized BHEL official who shall have the right to ban the use of any item.

All electrical equipment's, connections and wiring for constructions power, its distribution and use shall conform to the requirement of the Indian Electricity Act and Rules. Only electricians licensed by the appropriate statutory authority shall be employed by the contractor to carry out all types of electrical works. All electrical appliances including portable electric tools used by the contractor shall have safe plugging system to source of power and be appropriately earthed. The contractor shall not use any hand lamp energized by electric power with supply voltage of more than 24 volts. For work in confined space lighting shall be arranged with power sources of not more than 24 volts.

The Contractor shall adopt all fire safety measures as laid down in the "Code for fire Safety at Construction Sites" issued by the Safety Department of the Construction Management (HQ) of BHEL and as per directions of the authorized BHEL official. A copy of the above referred "Code of Fire Safety at the Construction Sites" shall be made available by BHEL to the contractor for reference, on demand by the contractor, during tendering stage itself.

Where it becomes necessary to provide and/or store petroleum Products, explosives, chemicals and liquid or gaseous fuel or any other substance that may cause fire or explosion, the contractor shall be responsible for carrying out such provisions and/or storage in accordance with the rules and regulations laid down in the relevant government acts, such as Petroleum Act, Explosives Act, Petroleum and Carbides of Calcium Manual of the Chief Controller of Explosives, Govt. of India. etc., prior approval to the authorized BHEL official at the site shall also be taken by the contractor in all such matters.

The contractor shall arrange at his cost (wherever not specified) appropriate illumination at all work spots for safe working when natural daylight may not be adequate for clear visibility.

The contractor shall be held responsible for any violation of statutory regulations local, state or central and BHEL instructions that may endanger safety of men, equipment, material and environment in his scope of work or another contractor or agencies. Cost of damages if any, to life and property arising out of such violation of statutory regulations and BHEL instructions shall be borne by the contractor.



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In case of a fatal or disabling injury accident to any person at construction sites due to the lapses by the contractor, the victim and/or his/her dependents shall be compensated by the contractor as per statutory requirements. However, if considered necessary, BHEL shall have the right to impose appropriate financial penalty on the contractor and recover the same from payments due to the contractor for suitably compensating the victim and/or his/her dependents. Before imposing any such penalty, appropriate enquiry shall be held by BHEL giving opportunity to the contractor to present his case.

In case of any damage to property by the contractor, BHEL shall have the right to recover cost of such damages from payments from payments due to the contractor after holding an appropriate enquiry.

In case of any delay in the completion of a job due to mishaps attributable to lapses by the contractor; BHEL shall have to recover cost of such delay from payments due to the contractor, after notifying suitably and giving him opportunity to present his case.

If the contractor fails to improve the standards of safety in its operation to the satisfaction of BHEL after being given a reasonable opportunity to do so; and/or if the contractor fails to take appropriate safety precautions or to provide necessary safety devices and equipment or to carry out instructions regarding safety issued by the authorized BHEL official, BHEL shall have the right to take corrective steps at the risk and cost of the contractor after giving a notice of not less than seven days indicating the steps that would be taken by BHEL.

The contractor shall submit report of all accidents, fires and property damage, dangerous occurrence to the authorized BHEL official immediately after such occurrence, but in any case not later than twelve hours of the occurrence. Such reports shall be furnished in the manner prescribed by BHEL. In addition, the contractor to the authorized BHEL official shall also submit periodic reports on safety from time to time as prescribed.

Before commencing the work, the contractor shall appoint/nominate a responsible officer to supervise implementation of all safety measures and liaison with his counterpart of BHEL.

If safety record of the contractor in execution of the awarded job is to the satisfaction of Safety Department of BHEL, issue of an appropriate certificate to recognize the safety performance of the contractor may be considered by BHEL after completion the job.



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ANNEXURE –D

**ELECTRONIC FUNDS TRANSFER (EFT) OR
 PAYLINK DIRECT CREDIT FORM**

Please Fill Up the form in CAPITAL LETTERS only:

TYPE OF REQUEST (Tick one): CREATE _____ CHANGE: _____

BHEL Vendor/Supplier Code:

Company Name:	
Permanent account	
Number(PAN):	
Address:	

City: _____

PINCODE

STATE

Contact Person(s)	
Telephone No:	
Fax No:	
E-Mail-Id:	

- 1.Bank Name:
- 2.Bank Address:
- 3.Bank Telephone No:
- 4Bank Account no:
- 5.Account Type: Saving/Cash Credit
- 6.9Digit Code Number of Bank and branch
- Appearing on MICR cheque issued by Bank
- 7.Bank Swift Code (applicable for EFT only)
- 8.Bank IFSC Code(applicable for RTGS)
- 9.Bank IFSC Code (applicable for NEFT)



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I here certify that the particulars given above are true, correct and complete and that I, as a representative for the above named Company, hereby authorize BHEL,EDN, Bangalore to electronically deposit payments to the designated bank account. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold BHEL/Transferring Bank responsible. This authority remains in full force until BHEL - EDN Bangalore receives written notification requesting a change or cancellation.

I have read the contents of the covering letter and agree to discharge the responsibility expected of me as a participant under ECS/EFT.

Date:

Authorized Signatory:
 Designation:
 Telephone No. with STD Code
 Company seal

BANK CERTIFICATE

We certify that _____ has an Account No _____ with us and we confirm that the bank details given above are correct as per our records.

Date: (.....)

Place: Signature

Please return completed form along with a blank cancelled cheque or photocopy thereof to:

Bharat Heavy Electricals Ltd.,
 Attn:
 Electronics Division, Mysore Road,
 BANGALORE -560026



ANNEXURE-E

Ref.
Date:

SITE INSPECTION CERTIFICATE

This is to certify that, I/We..... had inspected the proposed construction site thoroughly and understood the scope of works to be carried out in line with construction drawings/designs/data/Bill of quantities/ schedule of items specifications as brought out in the tender as desires by BHEL.

Agreeable to all Terms & Conditions of Contract and assure to complete the work within the stipulation time frame.

Signature of contractor

Name:

Seal



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(PART-II) PRICE BID – Format

Tender Ref. BHE/ESD/FS-CIVIL/14-15/SPD&SBD-2 dated: 23/02/2015

Providing Flooring, False ceiling and Aluminum work for the proposed solar cell storage and testing facilities in SPD/SBD building at BHEL-ESD

Sl No	DESCRIPTION OF WORK	QTY	UNIT	Rate in Figure and words		Amount		
				Rs.	Ps.	Rs.	Ps.	
1	Providing and fixing False Ceiling as per sl.no 1.1 (A) of NIT	51.30	SQM					
2	Providing and fixing 2.0mm thick homogeneous Polyvinylchloride Sheet in flooring as per sl.no 1.1 (B) of NIT	51.30	SQM					
3	Providing and fixing aluminium work for door as per sl.no 1.1 (C) (I) of NIT	11.34	SQM					
	Providing and fixing pre-laminated particle board for door as per sl.no 1.1 (C) (II) of NIT							
	Providing and fixing glazing in aluminium door as per sl.no 1.1 (C) (III) of NIT							
	Service tax %							
	TOTAL							

TOTAL VALUE IN WORDS

.....

Signature

(Name & Address of the Tenderer with Official Seal)

Place:

Date: