



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/HR & FS/14-15 dated: 09/01/2015
Name of the work	Fixing Concertina Coil and increasing the height of existing compound wall at BHEL-ESD
Earnest money deposit	10,000/-
Last date and time for the receipt of completed tender	30/01/2015 (Friday): 1300Hrs
Date and time for tender opening :	30/01/2015 (Friday): 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 the following:

- 1. General information & Scope of work -Page No. 2**
- 2. Detail specifications, Essential Criteria & List of Indian standards- Page No. 2 to 5**
- 3. Commercial terms and Conditions - Page No. 6 to 8**
- 4. Part 1: Information to be provided by the contractor - Page no. 9 to 10**
- 5. Annexure A to D (to be signed and submitted by contractor)- Page no. 11 to 15**
- 6. Part-II : Price bid format – Page no. 16**

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

1.1 General Information

BHEL Electronics System Division (ESD), which is part of EDN operations is located at Electronics City, Hosur Road, Bangalore and covers an area of 12.4 acres. Presently the unit manufactures Defence Electronics Products, Control Equipment, Space batteries and Space panels. Concertina coil and increasing the height of existing compound wall at identified location shall be done at peripheral boundary wall of the factory.

1.2 Scope of work:

Scope of work includes supply and installation of concertina coil and construction and finishing of compound wall height increase at BHEL-ESD. The factory layout is provided in annexure A.

This is a turnkey project and involves the complete setup with all finishing works. The scope covers all the activities as described in the detailed specifications. The bill of material & schedule of work and is provided in Price Bid enclosed.

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 laid. 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.

1.3 Detailed specifications:

(A) Supply and Installation of Concertina Coil:

- (i) Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m) having 50 nos. rounds per 6 metre length, upto 3 mts height of wall with existing angle iron 'Y' shaped placed 1.12 mts apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal including necessary bolts or G.I. barbed wire tied to angle iron all complete as per direction of Engineer-in-charge with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478gm/ metre
- (ii) Supply and fixing at site “Y” shape Angle iron post & strut of required size including drilling holes upto 10 mm dia. etc. as per direction of Engineer-in-charge, all complete.



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

- I. At North, east and west side of the peripheral compound wall, where already “Y” shape angle is available only concertina coil installation to be done. Rate to include for supply and installation including preparation work (If any), cost of all materials, labour, transportation, etc. all complete.
- II. At south side of the peripheral compound wall, supply and installation of “Y” shape angle (25x25x3 mm) and concertina coil both need to be done for which “Y” shape angle will be paid separately. Rate to include for supply and installation including preparation work (If any), cost of all materials, labour, transportation, etc. all complete.

(B) Height increase of existing peripheral compound wall at identified location:

The following specification may be adopted for increasing the height of the existing peripheral compound wall at one location at North east corner of the factory premises.

1. Demolishing the top surface cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).
2. Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge outside factory premises, beyond 50 mts initial lead, for all loads including all lifts involved.
3. Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 7.5 in superstructure above plinth level above 2.2 mts level matching with existing shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)
4. Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering (if any) - All work up to plinth level. 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size).
5. 15 mm cement plaster on both sides of the brick wall of mix. 1:4 (1 cement: 4 coarse sand)

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 particularly working at heights, working during night time, etc., by issuing proper PPE's to the labours deployed.

1.4 List of Indian Standards



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

1. MORTAR (PLASTERING)

- 1) IS 2394-1984: Code of practice for application of lime plasters finish.
- 2) IS 1661-1972: Code of practice for application of cement lime plasters finish.
- 3) IS 2402-1963: Code of practice for external rendered finishes.

2. CONCRETE WORK & RCC WORK

- 1) IS 456-2000: Code of practice for plain and reinforced concrete.
- 2) IS 432(part 1) –1982(Third Revision): Mild steel and medium tensile steel bars
- 3) IS 1766-1998: Cold twisted steel bars for concrete reinforcement.

3. BRICK WORK

- 1) IS 2212-1991: Code of practice for brick work.

4. STEEL WORK

- 1) IS 800-2007(Third Revision): Code of practice for use of structural Steel in general building construction.
- 2) IS 1161-1998: Steel tubes for structural purposes.

5. DEMOLISION AND DISMANTILING.

- 1) IS 1200 (pt 18)-1974: Method of measurements of demolition and dismantling.

6. SAFETY CODE

- 1) IS 5916-1970: Safety code for construction including use of hot bituminous materials.
- 2) IS 4130-1991: Safety code for demolition of building.
- 3) IS 3696(Pt-1)-1987: Safety code for Scaffolds.

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: -



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

- a. Three similar completed works costing not less than 1.65 lakhs.
or
- b. Two similar completed works costing not less than 2.0 lakhs.
or
- c. One similar completed work costing not less than 3.30 lakhs.

Completion certificate 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.1.25 Lakhs per year for the last three consecutive years ending 31st March of the previous financial year. The Bidder shall submit Audited Balance Sheet and profit and loss account of the company for the last three consecutive years for 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 7) of 2.0 must be fulfilled by the tenderer. Otherwise the tender will be summarily rejected

2.1 MSME/NSIC Registration.

MSE suppliers can avail the intended benefits only if they submit along with offer, attested copies of either EM II certificate having deemed validity (Two years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with CA certificate applicable for the year, certifying quantum of investment in plant and machinery within the permissible limit as per the act for relevant status (Micro or small) where the deemed validity of EM II is over. Date to be reckoned for determining the deemed validity will be the last date of technical bid submission. Non submission of such documents will lead to consideration of their bids at par with other bidders and MSE status of such supplier shall be shifted to Non MSE supplier till the supplier submits these documents.



3.0 Commercial Terms & Conditions

3.1 Main terms

Sl.No.	Specifications	Requirements	Acceptance by Vendor
1	Price	Price quoted must be basic price and all the applicable taxes are to be clearly mentioned in the offer.	
2	Price bid format	Price is to be quoted in the price bid format attached.	
3	Warranty	Warranty for all the items of 6 months from the date of commissioning.	
4	Delivery	Delivery Period: material is to be delivered within 4 weeks from the date of order. Installation Period: 6 weeks from the date of the order. Delivery Location: BHEL ESD, Electronics city, Bangalore	
5	Supply Condition	All equipment supplied and installed shall be new and conforming to the contract technical specifications. The certificate of newness is to be furnished.	
7	Submission of EMD	EMD of Rs.10,000/- in the form of Pay Order/ Bank Draft in favour of “Bharat Heavy Electricals Limited” payable at Bangalore must be submitted along with the tender. In the absence of submission of EMD, the offer is liable for rejection. The Earnest Money will be refunded to the unsuccessful tenderers after finalisation of the award of work.	



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

8	Payment	100% payment will be released on completion of entire activity else in line with Cl. No.3.2 (g) on Security Deposit, deduction of 05% will be resorted to towards Security deposit.	
10	Penalty clause	Penalty of 0.5% per week of WO value, upto a maximum of 10% is applicable for delayed completion of work. Date of completion report by user dept. will be considered as completion date.	
11	Taxes and duties	All applicable taxes must be clearly stated in the offer in price bid.	
12	All Payments will be made by EFT only.	EFT details as required by BHEL may be provided by the vendor along with offer in format as provided in ANNEXURE-C.	
13	Submission of Invoices	Invoices must be submitted to the consignee/billing address provided below after obtaining completion certificate from Engineer-In charge.	
14	Consignee & Billing address	Shri. J S Basavaraj, AGM- FS&HR, BHEL-Electronics Systems Division Plot No. 98, P.B. No. 22910 Electronic City Phase- I, Hosur Road, Bangalore -560100	
15	Submission of Security deposit.	Security deposit of 10% of contract value on award of the contract is applicable details provided in 3.2.	
16	Consignee contact nos.	Shri. J S Basavaraj, AGM- FS&HR, Phone : 080-25146162 Mobile : 9480318195	
17	Validity of offer	3 months from the date of opening of technical bid	



3.2 Other Commercial Terms:

Security Deposit:

On award of contract, the successful Contractor should pay an amount of 10% of contract value towards Security Deposit before commencement of the work.

Security Deposit may be furnished in any one of the following forms:

- a. Cash (as permissible under the Income Tax Act)
- b. Pay Order, Demand Draft in favour of BHEL
- c. Local cheques of Scheduled Banks, subject to realization
- d. Securities available from post Officers such as National Savings Certificates, Kisan Vikas Patras etc.
- e. Bank Guarantee from Scheduled Banks / Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL.
- f. Fixed Deposit Receipt issued by scheduled Banks / Public Financial Institutions as defined in the Companies Act. The FDR should be in the name of the contractor, A/c BHEL, duly discharged on the back.
- g. Security Deposit can also be recovered at the rate of 10% from the running bills. However in such cases at least 50% of the security Deposit should be collected before start of the work and the balance 50% may be recovered from the running bills.

The Security Deposit shall not carry any interest.

Security Deposit will be refunded to the contractor on satisfactory completion of the contract and warranty period on submitting all the required documents / Returns / Proof of compliance to all applicable statutes.



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

Part – 1

Information to be provided by the contractor

Techno-Commercial Bid

1	Name of the Work	Fixing Concertina Coil and increasing the height of existing compound wall at BHEL-ESD
2	Name of the Bidder	
	a) Address for correspondence	
	b) Contact person with Telephone Nos. and email id.	
4.	Scope of supply & 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
7	a)Whether EMD is submitted along with the Technical Bid	Yes / No
	b) Demand Draft (Fill DD No. and Date)	
8	Type of Firm (please tick & fill the details)	
Sl.	Type	Income Tax PAN
i)	Proprietary	
ii)	Partnership	
iii)	Company	
iv)	Others	
09	Service Tax Registration No. (Copy to be enclosed):	Yes / No



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

10	<p>The Tenderer should have Experience of having successfully completed similar OFC networking projects with any Govt. organizations /PSU / Public Limited Company/ Private limited companies during last 5 years of either of the following: -</p> <p style="margin-left: 40px;">a) Three similar completed works costing not less than 1.65 lakhs. or b) Two similar completed works costing not less than 2.00 lakhs. or c) One similar completed work costing not less than 3.30 lakhs.</p> <p>Details to be given below: Copy of orders to be attached.</p>
	<p>1.</p> <p>2.</p> <p>3.</p>
11	<p>Average turnover:</p> <p>2013-14:</p> <p>2012-13:</p> <p>2011-12:</p>

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-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.



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

ANNEXURE –C

**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)



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

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-D

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



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

(PART-II) PRICE BID – Format
Tender Ref. BHE/ESD/HR & FS/14-15 dated:09/01/2015

Fixing Concertina Coil and increasing the height of existing compound wall at BHEL-ESD

Sl No	DESCRIPTION OF WORK	QTY	UNIT	Rate in Figure and words		Amount		
				Rs.	Ps.	Rs.	Ps.	
1	Providing and fixing concertina coil as per sl.no 1.3 (A) (i) of NIT	920.00	METER					
2	Supply and fixing at site Angle iron post & strut as per 1.3 (A) (ii) of NIT	462	KG					
3	Demolishing the top surface cement concrete as per 1.3 (B) (1) of NIT	1.08	CUM					
4	Disposal of building rubbish as per 1.3 (B) (2) of NIT	1.08	CUM					
5	Brick work as per 1.3 (B) (3) of NIT	2.76	CUM					
6	cement concrete as per 1.3 (B) (4) of NIT	33.96	SQM					
7	cement plaster as per 1.3 (B) (5) of NIT	4.06	CUM					
	Service tax % (A)							
	TOTAL							

TOTAL VALUE IN WORDS

.....

Signature

(Name & Address of the Tenderer with Official Seal)

Place:

Date: