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## TENDER

NIT \_26013

CIVIL TENDER SCHEDULE NO: 04/15-16

FOR

“MODIFICATION WORKS IN ROOFING STRUCTURE AND PROVIDING OF ROOFING SHEETS IN BUILDING FOR BHEL FACTORY AT GOINDWAL SAHIB , PUNJAB.”

### PART2-PRICE BID (VOLUME III OF NIT)



**BHARAT HEAVY ELECTRICALS LIMITED**

(A Govt. Of India Undertaking)

**INDUSTRIAL VALVES PLANT,**

**433, INDUSTRIAL COMPLEX**

**GOINDWAL SAHIB,**

**DISTT. TARN –TARAN,**

**PUNJAB , PIN-143422**

TENDERER/ CONTRACTOR

ACCEPTING OFFICER (BHEL)



ISO9001,ISO14001  
OHSAS18001certified

**BHARAT HEAVY ELECTRICALS LIMITED**  
(A Govt. Of India Undertaking)

**INDUSTRIAL VALVES PLANT**

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**CIVIL TENDER SCHEDULE NO: 04/15-16**

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**THIS TENDER SPECIFICATION ISSUED TO:**

M/S-----

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**TENDERER/ CONTRACTOR**

**ACCEPTING OFFICER (BHEL)**

**CIVIL  
TENDER  
SCHEDULE  
NO.  
04/15-16**

# **NOTICE INVITING TENDER**

{Volume III OF NIT or Part 2 Price Bid OF NIT}

Bharat Heavy Electricals Limited  
Industrial Valves Plant  
Goindwal, Punjab



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**SCHEDULE 'A'**  
**BILL OF QUANTITIES CUM PRICE SCHEDULE**

**TABLE 1**

<b>Item No.</b>	<b>Description of Work</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate in Fig. (Rs.)</b>	<b>Rate in words (rupees)</b>	<b>Amount (Rs.)</b>
1	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in:					
a)	Channels, angles, tees and flats	1000.00	Kg			
2	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50metres lead.	500.00	Kg			
3	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of:					
a)	Asbestos sheet	35.00	Sqm			
4	Labour charge for Fabrication and erection of Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. The rates shall be including all labour towards the carriage of material from BHEL Store located in factory to the site of work and cost of all tools, plants and consumables etc. The rates will be excluding the cost of structural steel viz ISA, ISMC, ISMB, Tubes, Plates, flats etc which will be given by BHEL free of cost for consumption in the work.	3700.00	Kg			

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Item No.	Description of Work	Quantity	Unit	Rate in Fig. (Rs.)	Rate in words (rupees)	Amount (Rs.)
5	<p>Labour charge for Fabrication and erection of Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.</p> <p>The rates shall be including all labour towards the carriage of material from BHEL Store located in factory to the site of work and cost of all tools, plants and consumables etc . The rates will be excluding the cost of structural steel viz HF welded tubes, Seamless tubes, ERW tubes etc which will be given by BHEL free of cost for consumption in the work.</p>	1000.00	Kg			
a)	Hot finished welded type tubes/Seamless tubes/Electric resistance or induction butt welded tubes. .					

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Item No.	Description of Work	Quantity	Unit	Rate in Fig. (Rs.)	Rate in words (rupees)	Amount (Rs.)
6	Supply and fixing of color coated Aluminum –Zinc Alloy coated steel ( Aluminum –around 55% & Zinc -43% ) rib profile sheets of 0.50 mm thick (TCT) having effective width 1000 mm +/- 10 mm, crest 25-32 mm and 200-250 mm pitch C/c with male female side laps and anti-siphoning features at male end, minimum Yield strength 550 MPA and confirming standards AS 1397 , ASTM A 792 in approved color and make including accessories such as barge boards, end flashing , crimped curve etc as required actual on site and with xylon coated self-tapping / self-drilling screws with EPDM washers etc., all works complete as per drawings, specifications and instructions of Engineer in charge . Rate includes cost of all materials against supply, Carriage Erection, Installation for roofing at all heights up to 6.0 m above from Ground level, labor, tools & plants and all other incidental charges etc complete. (payment will be done on covered area basis)	103.00	Sqm			
7	Supplying and fixing of 2 mm thick Clear Embossed Polycarbonate U/V Stabilized roof lighting sheets in match with the existing rib profiled galvalume roofing sheets including cost of Fixing accessories fasteners with EPDM washers, scaffolding, carriage labour, incidental etc., complete. Payment will be made for the area of actual sheet laid.	19.00	Sqm			

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Item No.	Description of Work	Quantity	Unit	Rate in Fig. (Rs.)	Rate in words (rupees)	Amount (Rs.)
8	Providing and fixing 15 cm wide 45 cm overall semi-circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc. including making necessary connections with rain water pipes complete.	16.00	RM			
a)	0.80 mm thick with zinc coating not less than 275 gm/m <sup>2</sup>					

(A) Total Amount (Sum of all items from S/n 1 to 8) above .....Rs... ..

(B) Total Amount as above in Words

....Rupees.....

(C) Service Tax Amount (in figures)

Rs.....

(D) Service Tax Amount (in Words)

Rs.....

(E) Total Amount including Service Tax in Figures (Rs.)

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(F) Total Amount including Service Tax in Words (Rupees.)

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**SCHEDULE 'B'**

**THE FOLLOWING MATERIALS WILL BE ISSUED FREE OF COST TO CONTRACTOR**

<b>S/n</b>	<b>Material Description</b>	<b>Place of Issue</b>
1	Structural Steel viz ISA, ISMC, ISMB, MS-ERW Tubes and MS Plates for fabrication and erection works in Item no. 4 & 5 of Schedule -A	BHEL Store

- 1 It will be the responsibility of the Contractor to submit his demands for the above stores in writing at least seven days in advance of the actual requirement.
- 2 Issue of Stores is subject of the availability at the place of issue cited above, items of stores to be issued by BHEL which are not available at the time of indenting by the contractor may be supplied by BHEL after necessary procurement. The contractor shall not be entitled to any claim of compensation for delay in the supply of stores by BHEL under any circumstance.
- 3 The materials will be issued only during the working hours of the BHEL Store Department (9.00 a.m. to 5:30 p.m.). Contractor shall have to transport them as soon as they are issued to him to the site of work at his own cost.
- 4 The steel materials if issued will be in random lengths and sizes as stocked by the BHEL and the cost of all cutting, conversion, substitution and fabrication as well as wastage shall have to be borne by the Contractor.
- 5 The contractor shall from time to time render proper account of all materials issued to him by BHEL. If he fails to do so, no further issue of materials will be made to him and he will be held responsible for any delay in the execution of the work which may occur on this account.
- 6 All surplus materials in good condition which are not returned to the BHEL Stores as also quantities of materials consumed in excess of the max. Permissible limit as fixed by BHEL shall be charged for at punitive rates.
- 7 The decision of the Engineer / Dy. General Manager / Manager as to the extent to which materials have been rendered surplus or consumed in excess of the actual requirements shall be final and conclusive and binding on the contractor

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**SCHEDULE 'C'****ISSUE OF TOOLS AND PLANTS TO BE ISSUED BY BHEL TO  
CONTRACTOR FOR EXECUTION OF CONTRACT WORK**


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Sl.No.	Qty.	Particulars	Details of BHEL Crew Supplied	Hire Charges Per unit Per Day	Place of Issue	Remarks
.....NIL.....						

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a. Machineries shall not be operated over time without the written permission of the Sr. Engineer / Dy. Manager / Manager.

b. All Coolies, Watermen etc., required in addition to BHEL crew mentioned in column 4 above shall be arranged by the architect / consultant at his own expense.

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**SCHEDULE 'D'**

**NOTE: Following Drawings shall be issued by BHEL to Contractor during the execution of work and good for constructions.**

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Layout of Area and structural detail for roofing sheets and truss respectively attached in Volume II of NIT on Page 70-71.

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**SCHEDULE 'E'****LEAD STATEMENT**

-----NA-----

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