



**BHARAT HEAVY ELECTRICALS LIMITED**  
**RAMACHANDRAPURAM::HYDERABAD::32**  
**FACTORY CIVIL ENGINEERING DEPARTMENT**

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-18/16-17, Dt: 04.11.2016

PRICE BID

Item no.: 1

**Name of work:- Renovation – Providing roof for dinning at 9FA assembly area.**

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
	<b>Civil works</b>				
1	Dismantling reinforced cement concrete / plain cement concrete and disposing of debris upto to a lead of 2 KM including loading, unloading and spreading as directed by Engineer-in-charge etc., complete.	1.50	Cu.m	1,054.10	1,581.15
2	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement, including consolidation by vibrations for all works <b>up to plinth level</b> with <b>1:1½:3</b> (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size) etc. complete all as directed by Engineer-in-charge.	1.50	Cu.M	2,772.00	4,158.00
3	<b>Flooring in 25mm</b> thick using <b>1 cement and 3 parts of granite stone</b> chips of 3 to 10mm gauge (no sand) ellis pattern first sort including neat finishing, curing, cost of materials etc.; complete.	2.00	Sq.m	123.88	247.76
4	Fabrication of structural steel work including all materials going into the process of fabrication and forming an integral part of steel work together with all shop and site rivets and electrodes for site welding as necessary and all site connections comprising sag rods, floor beams, girders, bracings, trusses and frame work for fixed false ceiling and for movable false ceiling, purlins with channel / angles, MS flat supports including all connections as per detailed drawings connected steel works etc., cleats, gusset plates, all bolts, nuts, washers, base plates, anchor bolts as per detailed drawings, cutting, welding and painting 2 coats of red-oxide primer before erection etc., complete. The rate shall include painting 2 coat of Red-oxide as per IS specifications and all charges for handling, leading and loading at the fabrication yard. The raw structural steel sections, electrodes, gasses only will be issued by BHEL on FREE of cost at BHEL stores etc. complete all as directed by Engineer-in-charge.	2.00	MT	8,871.00	17,742.00
5	Erection of Steel work out lined in item No.4 above including the charges for handling, leading and stacking at site at approved locations prior to erection including all site rivetting, bolting, jointing and site welding where ever required etc. complete all as directed by Engineer-in-charge.	2.00	MT	3,802.00	7,604.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
6	Painting at site of all structural steel work with 2 coats of aluminium paint / synthetic enamel paint of approved shade to trusses, columns, girders, bracings etc., with aluminium paint or synthetic enamel paint as required etc., complete. The required paint only will be issued free of cost by B.H.E.L at BHEL stores etc. complete all as directed by Engineer-in-charge.	2.00	MT	696.00	1,392.00
7	Supply and Fixing of colour coated aluminium zinc alloy coated metallic hirib profile sheet of nominal 1015-1020mm effective cover width and 28-30 mm deep ribs with subtle square fluting in the five pan at nominal 202-205mm centre-to-centre. The end rib shall be designed for anti-capillary action, to avoid any seepage of water through the lateral overlap. The feen material is manufactured out of nominal 0.45mm base metal thickness (BMT) or 0.5 mm TCT, Hi-Strength steel with minimum 550 MPa yield strength metallic hot dip coated with aluminium -Zinc alloy (55 % Aluminium ,45 % Zinc)as per AS 1397-Zincalume AZ150 (Min 150 Grams / Sq.Mt) Total on both sides) with colour bond steel quality paint coat as per AS/NZS 2728 type 3-4.The paint shall have a total coating thickness of nominal 35 µm, Comprising of nominal 20µm exterior coat on top surface and nominal 5 µm reverse coat on back surface over nominal 5µm primer coat on both surfaces of approved colour shade by concern authority etc. complete all as directed by Engineer-in-charge.	48.50	sqm	672.40	32,611.40
8	Supply and Fixing of 0.50 mm thick color galvalume sheet <b>flashings</b> with self drilling / self stitching fasteners complete as directed by Engineer-in-charge etc., complete.	14.50	Sq.m	900.00	13,050.00
	<b>Electrical work</b>				
1	Shifting & Laying of LT Power PVC Armoured Cable Including dressing				
	1). 4C X 2.5 Sq.mm	40.00	Mts	12.00	480.00
2	Power Cable Termination including supply of cable glands & Lugs (AL)				
	1). 4C X 2.5 Sq.mm	2.00	Nos	165.00	330.00
3	Shifting, Assembly, Erection, Testing & Commissioning of 2x36W different types of Tube light fittings. The light fitting shall be fixed with suitable down rod, ball and socket etc. and the supply of the material is in the contractor's scope. The job includes supply of 1.5sq.mm copper wire for connection between ceiling rose and TL.	3.00	Nos	510.00	1,530.00
4	Shifting, Assemble , Erection and Testing & Commissioning of wall mount Fans.	2.00	Nos	322.00	644.00
5	Supply and fixing of 3 pin,250V 10 Amps power socket cum switch with indication	3.00	Nos	374.13	1,122.39
6	Supply and fixing of 10 Amps 250 V. SP switches for control of light fitting and fans with Roma Type code : 21011 of Anchor or North West make . Fixed on a suitable modular type concealed box with suitable top cover. Testing & commissioning.	3.00	Nos	242.54	727.62

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
7	Supply and execute the concealed / surface PVC/MS Pipe wiring with 1.5 sq. mm 660 / 1100. V. Grad PVC insulated copper wire multi strand of make Finolex / Rediant / fincab/ Havells/ L&T. In PVC pipe of suitable dia ( As per IS for wiring points ) with 14 G/1.5sq.mm green colour copper wire for earth continuity. Each light / fan point should be connected to three plate ceiling rose code 30090 of Roma modular type of Anchor or North West make / connector suspended duly with conduit / PVC pipe etc. Each circuit should not have more than 7 points 700 watts.	6.00	Pts	999.41	5,996.46
8	Erection & Commissioning of 16A ICTPN Sheet Enclosed switch of BHEL free issued.	1.00	Nos	215.00	215.00
<b>Total Value of work</b>				<b>₹</b>	<b>89,431.78</b>

**Note:**

1	A penalty of 0.5% of the gross value of work will be levied for every week's delay of work or part there of subject to a maximum penalty of 10% of the gross value of work executed after the period of completion.
2	The rates are inclusive of all taxes and duties except Service tax, swatch bhara tax, Krishi Kalyan Cess which is extra as per service tax norms will be paid by BHEL to the agency after submission of necessary documents.
3	The tender % age quoted by the contractor shall be inclusive of all taxes and duties other than service tax as applicable from time to time.
4	All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirement, issued by IR section of HR department BHEL.
5	The agency shall submit the I.R. clearance certificate for the above work and arrange to get the final bill sent to Finance within one month from the actual date of completion of work.
6	The maintenance period of the work is <b>6 months</b> . The security deposit will be released after satisfactory completion of the work and after getting I.R clearance and payment of final bill.
7	<b>The agency has to pay the minimum wages to workers with statutory payments like ESI, PF etc., is as per BHEL notification and as per NIT. For USW=₹ 500.80, SSW=₹ 553.15, SW = ₹ 604.96 + ESI + PF + PPE's and other statutory if any.</b>
8	<b>The agency has to bring police clearance certificate for the work force.</b>
9	<b>All the terms and conditions of the contract with respect to taxes &amp; duties are subject to the new taxation laws introduced from time to time (e.g. GST). The terms and conditions will be modified in accordance with the provisions of new laws (e.g. GST).</b>

**Note :** The bidders are required to quote the tender value on percentage (%) basis at excess or less or on par with estimate value in figures and words.

Tender %	In figure	In words
Excess		
Less		
Estimated value		