



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-33/15-16, Dt: 19.11.2015

PRICE BID

Item no.: 1

Name of work:- Renovation – replacement of A.C. sheets with aluminium zinc alloy coated sheets to roof of 08 block.

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
1	Removing existing Roof/ Side cladding of AC Sheets roofing, louvers side clading including loading, carting, unloading etc., with in the premises up to a lead of 2 km as directed.	4,200.00	Sqm	39.83	1,67,286.00
2	Removing of existing A.C North light curves including loading, carting, unloading etc., with in the premises up to a lead of 2 km as directed.	1,100.00	RM	39.83	43,813.00
3	Fixing of Non - colour Coated aluminium zinc alloy coated metallic hirib profile sheet of nominal 1015-1020mm effective cover width and 28-30 mm deep rubs 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). The steel Manufacturers test certificate for the chemical and mechanical properties of steel must be submitted for approval by the engineer-in-charge. (BHEL will issue only Zinc alloy coated metallic sheets at their store on FREE of cost).	4,200.00	Sq.m	74.56	3,13,143.60
4a	Supply and Fixing North Light curves in required girth with 0.5 mm color Aluminium zinc alloy coated metallic sheets upto a length of 2.5 M having curved width upto 600 mm fixing to the steel members with self drilling / self stitching, fasteners at a maximum of 500 mm c/c along the length of capping, flashing etc., complete as directed by Engineer-in-charge including the cost of Aluminium zinc alloy coated metallic sheets, labour etc., complete.	700.00	Sq.m	720.00	5,04,000.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
b	Labour charges - Fixing North Light curves in required girth with 0.5 mm color Aluminium zinc alloy coated metallic sheets upto a length of 2.5 M having curved width upto 600 mm fixing to the steel members with self drilling / self stitching, fasteners at a maximum of 500 mm c/c along the length of capping, flashing etc., complete as directed by Engineer-in-charge including the cost of Aluminium zinc alloy coated metallic sheets, labour etc., complete. (BHEL will issue North light curved sheets at BHEL stores on free of cost)	300.00	Sq.m	74.56	22,367.40
5	Labour charges - Fixing barge boards in required girth (200 mm horizontal, 200 mm vertical) with 0.50 mm color Aluminium zinc alloy coated metallic sheets upto a length of 2.50 M, fixed to steel members with self drilling / self stitching fasteners at maximum 500 mm c/c along the length of capping, flashing etc., complete as directed by Engineer-in-charge including the cost of Aluminium zinc alloy coated metallic sheets, fixtures, fittings etc., complete.	120.00	Sq.m	74.56	8,946.96
6	Dismantling & stacking of M.S. Rain water gutter including loading, carting, unloading etc., with in the premises up to a lead of 2 km as directed.	7.00	M T	1,616.80	11,317.60
7a	Fabrication bending to shape and erection of rain water gutters at roof level including all materials going into the process of fabrication and fixing an integral part of steel work together with all rivets and electrodes for shop or site weldings necessary and all site conditions. The rate shall include removal of old/spoiled valley /eaves gutters, painting with one coat of red oxide to relevant IS specification before erection and also for all charges for handling, loading and unloading of materials at fabrication yard. The work has to be executed at full height of the blocks. The rate shall include removal and refixing of A.C sheets and North light glazing. Valley gutter of 750 mm size using 3.15 mm to 5 mm thick plate made into required shape. As per existing rain water gutter the new one is to be replaced. The raw structural steel sections, electrodes, gasses will be issued by BHEL on FREE of cost at BHEL stores.	360.00	Sq.m	355.00	1,27,800.00
b	Supply & laying of 3 mm thick FRP lining in MS roof gutter with isophthalic grade resin. (Where ever possible to repair this item will be operated).	50.00	Sq.M	1,350.00	67,500.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
8	Supplying and fixing plain PVC pipe of 200 mm dia of approved quality with specials, accessories and approved sealing /jointing compound on the exterior of the inserted portion of the fitting and fixing in position and joining to MS gutters, including cost of all materials, sealing compound, labour etc., for all heights complete.	500.00	RM	477.29	2,38,645.00
9	Dismantling & stacking of AC pipes of 150 mm Dia. including loading, carting, unloading etc., with in the premises up to a lead of 2 km as directed.	500.00	RM	29.81	14,905.00
10	Supply & Erection of high performance industrial roof vents made of aluminium alloy, designed to meet AS-2428.1.1993 to wind speed of 200 Km/Hr and to the entry of wind driven rain at a range of 2.5 L/Sec. under cyclone condition and the profile of the turbo ventilator should match with the profile of the roofing sheet. The payment will not be made for the roofing sheet moulded with the turbo ventilators.	60.00	Each	7,500.00	4,50,000.00
11a	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 will be issued by BHEL on FREE of cost at BHEL stores.	10.00	MT	8,871.00	88,710.00
b	Erection of Steel work out lined in item No.11a 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.	10.00	MT	3,802.00	38,020.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
c	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.	10.00	MT	596.50	5,965.00
	Total Value of work			₹	21,02,419.56
Total : ₹ Twenty one lakhs two thousand four hundred nineteen and fifty six paise only					

Note:

1	A penalty of 0.5% of the gross value of work shall be levied for every weeks or part there of non-execution/delay in the execution of work subjected to maximum penalty of 10% of the gross value of total part executed.
2	The rates are inclusive of all taxes and duties except Service tax, which is extra as per service tax norms will be paid by BHEL to the agency after submission of necessary documents.

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		