



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

SCHEDULE- A

Tender Notice No:

PRICE BID

HY/FCD/OT-18/2012-13, Dt: 31.08.2012

Item no.: 1

Name of work: Replacement of AC sheets with zinc alloy coated metallic sheets to various production blocks in Factory area.

S. No.	Description of the item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
1	Removal Existing roof/side cladding of AC Sheets roofing, louvers side cladding including loading, carting, unloading etc., with in the premises up to a lead of 2 km as directed by Engineer-in-charge.	1,47,525.00	Sqm	43.65	64,39,466.25
2a	Fixing of Non - colour Coated aluminium zinc alloy coated metallic hirib profile sheets 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 center-to-Centre. Including cost of transportation, storing, erection, fixing charges, cost of all materials like bolts, nuts, scaffolding, erection equipment, safety belts etc.; complete as directed by Engineer-in-charge. (zinc alloy metallic sheets only will be issued by BHEL on free of cost at BHEL stores).	1,20,611.00	sqm	100.00	1,20,61,100.00
b	Fixing of colour coated aluminium zinc alloy coated metallic hirib profile sheets 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 center-to-center. Including cost of transportation, storing, erection, fixing charges, cost of all materials like bolts, nuts, scaffolding, erection equipment, safety belts etc.; complete as directed by Engineer-in-charge. (zinc alloy metallis sheets only will be issued by BHEL on free of cost at BHEL stores).	30,859.00	sqm	100.00	30,85,900.00
3a	Removing of existing AC North light curves including loading, carting, unloading etc.; within the premises up or a lead of 2.00 KM as directed by Engineer-in-charge.	8,460.00	RM	43.65	3,69,279.00
b	Removing of north light glazing wired glass 6 mm thick, unloading etc.; with in the premises up to lead 2 KM as directed by Engineer-In-charge.	12,378.00	RM	43.65	5,40,299.70
4	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 cost of labour etc. complete (North light curves only will be issued by BHEL on free of cost at BHEL stores).	8,460.00	Sqm	100.00	8,46,000.00

S. No.	Description of the item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
5	Providing & Fixing barge boards in required girth (200 mm horizontal, 200 mm vertical) with 0.50 mm color galvalume 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 Zinc alloy sheets, fixtures, fittings etc., complete.	1,484.00	RM	800.40	11,87,793.60
6	Supply & Fixing of 0.50 mm thick color Aluminium zinc alloy coated metallic sheet flashings with self drilling / self stitching fasteners complete as directed by Engineer-in-charge etc., complete.	2,230.00	sq.m	900.00	20,07,000.00
7a	Applying two coats of synthetic enamel/ Aluminium paint of given shade to old steel work at all heights, including scraping old surfaces, cost of all labour, tools and other incidentals etc. Complete as directed by engineer-in-charge (Only Synthetic enamel Paint will be issued by BHEL on FREE of cost at BHEL stores) for structural steel work like roof trusses , purlins , bottom chord bracings.(The structural steel work of roof for an area of 1.00 Sq.m weighs 30 kg's).	1,20,610.00	Sq.m	17.90	21,58,919.00
b	Applying two coats of synthetic enamel / Aluminium paint of given shade to old steel work at all heights, including scraping old surfaces, cost of all labour, tools and other incidentals etc.complete.As directed by engineer-in-charge (Only Synthetic enamel Paint will be issued by BHEL on FREE of cost at BHEL stores) for side cladding, sheeting post column, roof louvers & runners.(The structural steel work of side cladding, sheeting post column, runners & louvers for an area of 1.00 Sq.m weighs 21 kg's).	30,859.00	Sq.m	12.50	3,85,737.50
8	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 directed by the engineer -incharge. (The raw structural steel sections(MS sheets), electrodes, gasses only will be issued by BHEL on FREE of cost at BHEL stores).	12,504.00	RM	564.10	70,53,506.40
9	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 by engineer-in-charge.	200.00	MT	890.11	1,78,022.00
10	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 joing to MS gutters , including cost of all materials ,sealing compound ,labour etc., for all heights complete.	7,410.40	RM	640.17	47,43,915.77

S. No.	Description of the item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
11	Supplying and fixing 5 mm thick Multi wall polycarbonate sheets and anadoised aluminium glazing bars together with complete accessories for North light glazing of Factory blocks including cost of all materials, labour etc. except service tax, as directed By engineer-in-charge.	37,134.00	Sq.M	1,207.50	4,48,39,305.00
12	Dismantling & stacking of Rain water down take pipes including loading, carting, unloading etc., with in the premises up to a lead of 2 km as directed by engineer-in-charge.	7,496.00	RM	40.00	2,99,840.00
13	Supply & fixing of fiber reinforced acrylic roofing sheets 3mm thick, of light blue / white shade & of approved brand to match with AC/Zinc alloy metallic corrugated sheets including cost of all materials such as `J' bolts, nuts, washers etc., and fixing at all heights of the factory blocks etc., complete as directed by engineer-in-charge.	12,065.50	Sq.m	1,302.00	1,57,09,281.00
14	Providing Aluminium zinc alloy coated metallic sheet ridges of same colour of roof sheet Fixing to steel members with self drilling fasteners at Max. 500 mm C/C along length of Capping etc.; Complete as directed by engineer-in-charge.	428.00	RM	900.00	3,85,200.00
15a	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, as directed by engineer-in-charge. 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.	49.00	MT	7,563.80	3,70,626.20
b	Erection of Steel work out lined in item No. 5a above including the charges for handling, leading and stacking at site at approved locations prior to erection including all site riveting, bolting, jointing and site welding where ever required, as directed by engineer-in-charge.	49.00	MT	3,241.60	1,58,838.40
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.	49.00	MT	596.50	29,228.50

S. No.	Description of the item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
16	Dismantling steel work in built up sections in angles tees, flats and channels including all gusset plates, bolts, cutting rivets, welding etc., including dismembering and stacking within 50 meters lead as directed by engineer-in-charge.	49.00	MT	890.11	43,615.39
Total value of work				Rs.	10,28,92,873.71
Total : Rs. Ten crores twenty eight lakhs ninety two thousand eight hundred seventy three and seventy one paise only					

Note:	
1	A penalty of 0.5% of the gross value of work or part thereof will be levied for every week's delay of work subject to a maximum penalty of 10% of the gross value of work executed after schedule period of completion.
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
3	VAT is inclusive for material items covering in contractor's scope.

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		

Name of the Contractor :

Signature of the Contractor