



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT- 08 /2010-11 , Dt: - 12.07.2010

PRICE BID

Item no : 02

Name of work : Modification -Providing Morchas 10 no.s, (two nos each at F, J, L, C, MIG gates) and Alteration of fire control room and Repairs to pedestrian ceiling at main gate

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
1	Earth work in excavation in all soils by mechanical means (Hydraulic Excavators) / manual means in foundations trenches or drains (not exceeding 1.5m in width or 10 Sq.m on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed , within a lead of 50M.	16.20	Cu.m	103.40	1675.08
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering including consolidation by vibrations for all works up to plinth level with 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size).	4.30	Cu.M	2449.00	10530.70
3	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 up to plinth level with 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size).	14.00	Cu.M	3732.00	52248.00
4	Centering and shuttering including strutting, propping etc; and removal of form work, for foundations, Footings, bases of columns etc; for mass concrete.	103.00	Sq.M	180.40	18581.20
5	Reinforcement for R.C.C. work including straightening , cutting , bending , placing in position and binding grills with binding wire all complete by cold twisted bars.	0.96	M.T	42700.00	40992.00
6	Brick work with FPS bricks of class designation 75 in superstructure above plinth level up to ground floor in all shapes and sizes in cement mortar 1:6.	30.00	Cu.M	2357.40	70722.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
7a	Plastering in CM 1:6 , 20 mm thick to internal and external surfaces of walls including the cost of all materials , labour , curing etc, complete -Upto 10.00 M level.	320.00	Sq.m	95.10	30432.00
b	Cement Plaster to ceiling /walls with 12mm thick cement plaster finished with a floating coat of neat cement of mix 1:3 (1 cement : 3 fine sand) .	64.00	Sq.m	107.80	6899.20
8	Flooring in 25mm thick using 1 cement and 3 parts of granite stone chips of 3 to 10mm gauge (no sand) ellis pattern first sort including neat finishing , curing, cost of materials etc; complete.	43.00	Sq.m	196.00	8428.00
9a	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 their stores	7.75	MT	8805.00	68238.75

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
b	Erection of Steel work out lined in item No.1 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.	7.75	MT	3774.00	29248.50
10	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 their stores.	7.75	MT	596.50	4622.88
11	Supplying and fixing of Tracdek Hi-rib single skin galvalume / Zinalume sheets of 0.5 mm thick. One Meter width and length upto 12 M with Factory cut and fixing to the roof shall be crest fixed to roof purlins with number 12-14 x 55 mm long polymer coated galvanized hex-head self drilling screws with integral washers and EPDM seals (4 fasteners per support) for sheet etc., complete as directed. (Including cost of galvalume sheets). - coloured.	95.00	Sq.m	720.00	68400.00
12	Applying exterior emulsion paint 2 coats to external new plastered surfaces including curing etc., over a coat of primer (paint will be issued free of cost by BHEL at their stores).	365.00	Sq m	28.20	10293.00
13	Applying two or more coats of distemper with oil bound washable distemper of approved brand and manufacture to given an even shade including preparation of the surface, cost of all labour, material and other incidentals including priming coat with cement primer.	212.00	Sq.m	41.60	8819.20

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
14	<p>Providing and fixing in true horizontal level 600 mm x 600mm false ceiling system manufactured by M/s. Armstrong World Industries using DUNE SUPREME RH 99 MICROLOOK EDGE WITH SILHOUETTE GRID, using hot dipped galvanized steel section, rotary stitched main tee of size 15mm x 42 mm web height, having 0.36 mm gauge at every 600 mm centre to centre maximum and rotary stitched cross tee of size 15 mm x 42 mm, having 0.33 mm gauge at every 600 mm. c/c. and wall angle of size 19 x 19 mm., having 0.35 mm gauge fixed to the periphery of the wall. The above grid is suspended at every 600mm c/c. in both directions using 2.0 mm. thick pre-straightened GI wire, and laying Dune Supreme Microlook Edge ceiling tiles manufactured by M/s. Armstrong World Industries, of size 600mmx600mmx15mm having NRC 0.50, Light reflectance of >85% (WT), thermal conductivity k = 0.052-0.057 W/m0K, Humidity Resistance of 99% (having LIFETIME GUARANTEE against SAG), having Fire Performance CLASS O / CLASS 1 (BS 476), surface having 3 coats of white paint - crisp finely granulated with microperforations, back of the tile duly sanded and finished with a coat of protective paint over the formed grid and complete in all respects. Boards, where light fixtures to be fixed shall be handed over to Department. Make: Armstrong</p>	6.00	Sq.m	1130.00	6780.00
15	<p>Supplying and fixing aluminum door with single shutters made out of new anodised aluminum box section of size 44.50x 47.50x 2.00mm for verticals, top and middle rails and 101.60x44.50x2.00mm for bottom rail inclusive of supply and fixing of all aluminum fixtures and fittings such as handles 2 nos, 1 No of tower bolt 12mm dia 200mm long, 1 No of hydraulic door closure of IS specification , 3 nos of 4" long(100mm) but hinges, stopper 1 No and suitable locking arrangement etc. complete . Wherever members are joined wooden runners are to be inserted in the box section for taking hinges, tower bolts, handles, hydraulic door closer and providing necessary rubber bedding for closing of door shutters all as directed by Engineer-in -charge. The rate shall include cost of door frame using aluminium box sections of size 101.60x44.50x2.00 mm. etc. complete all as directed by Engineer in charge .</p>	9.00	Sq.m	2918.40	26265.60

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
16	Supply and aluminium partition with new anodised box - section of size 101.60 X 44.45 X 2 mm for verticals, Top & Horizontal and 63.50 X 38.10 X 2 mm for intermediate horizontal at spacing suiting to the site requirements as approved . Wherever doors are coming wooden runners are to be provided into box section. This includes grouting of the frame to the floor properly fixed at ends to walls , cost of aluminium section , labour etc; Complete .(The door opening shall be deducted for payment).	42.00	One sq.m	1316.00	55272.00
17	Supply & fixing 5.5 mm thick plain / ground glass to the aluminium frame with rubber beading screwless snap on clips etc. complete	36.00	One sq.m	668.00	24048.00
18	Supply and fixing 9 mm thick pre-laminated particle board both side laminated exterior grade fixed to frame with rubber beading screw less snap on clips etc., complete.	8.00	One sq.m	534.00	4272.00
19	Dismantling brick masonry walls for all heights, removing and clearing the debris and carting away upto to lead of 2 KM including loading, unloading and spreading segregating useful materials as directed by Engineer-in-charge including the cost of all labour scaffolding etc., complete.	8.00	One Cu.m	355.88	2847.04
20	Dismantling doors, windows and clerestory windows (steel & wood) shutters including chowkhats , architrave , holdfasts etc. complete and stacking within 50 meters lead.	5.00	Sq.M	75.35	376.75
21a	Dismantling of existing cement plastering including disposal of debris upto 2 Kms by mechanical transport.	40.00	Sq.m	9.10	364.00
b	Surface preparation of roof slab and gutter/galtha by manual or mechanical to remove loose mortar etc and washing the surface thoroughly with water.	40.00	Sq. m.	30.00	1200.00
c	Applying Sika latex modified cement slurry bonding coat at the intersection of roof slab with parapet wall.	40.00	Sq. m.	60.00	2400.00
22	Applying One coat of bush bond / Equivalent as per manufacturers specification of Fosroc etc;	40.00	Sq. m.	60.00	2400.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
23	Filling with available excavated earth (excluding rock) in trenches , plinth , sides of foundations etc. in layers not exceeding 20 cm in depth , consolidation each deposited layer by ramming and watering , lead upto 50.00 m and lift upto 1.50 m.	7.00	Cu.M	45.70	319.90
24	Plastering over roof slab in CM 1:4, 20mm thick mixed with water proofing compound, Make: "Sika" @ 3% by weight of cement as per manufacturer's specification, curing as directed. Rate quoted shall include finishing, cost of all materials and labour etc., complete. (Cement =7.69 kgs/sq.m x3% WP@ Rs 20.00 per kg=Rs 4.61) upto 10 m height.	16.00	Sq.m	115.06	1840.96
25	Providing 50 mm purdi walls and side drops in CM 1:4 (1Cement : 4 fine sand) at all floors including cost of form work, supplying and tying of chicken mesh net to reinforcement, cost of binding wire and providing border bands and openings if any, curing & Scaffolding etc;complete as directed by Engineer-in-charge.but excuding the cost of fabrication of MS reinforcement which will be paid seperately.	16.00	Sq.m	450.00	7200.00
				Total	5,65,716.76
Total : Rs. Five lakhs sixty five thousand seven hundred seventeen only.					

Service Tax:- The Service tax as applicable is extra which will be paid by BHEL to the agency after submission of necessary valid documents by the agency.

Note : The Tenders are required to quote the tender value on percentage (%) basis at excess or less or on as per estimate value

Tender %	In figure	In words
Excess		
Less		
Estimated value		

Name of the Contractor :

Signature of the Contractor

Accounts Representative

Opening officer