

BHARAT HEAVY ELECTRICALS LIMITED					
RAMACHANDRAPURAM :: HYDERABAD-502032					
(TOWNSHIP ADMINISTRATION)					
PRICE BID - PART - B - Item No. 02					
Name of work: " Modification/Renovation works and providing chain link mesh fencing with required basement					
Part-A:-Modification and repair works					
Sl. No	Description of item	Qty	Unit	Rate	Amount
1.a	Dismantling Asbestos sheet roofing including ridges, hips valleys and gutter etc and stacking the serviceable material with in a distance of 50 metres and handing over at stores, disposal of unserviceable materials with in a distance of 2 kms etc complete all as directed by Engineer-in-charge.	700.00	Sqm	11.75	8,225.00
1.b	Providing and fixing precoated galvanised iron profile sheets (size,shape and pitch of corrugation as approved by Engineer-in-charge)0.5 mm (+0.50%) total coated thickness with zinc coating 120 gms per sqm as per IS:277,in 240 mpa steel grade ,5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns.Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in charge.The sheet shall be fixed using self drilling /self tapping screws of size (5.5x55 mm) with EPDM seal,complete upto any pitch in horizontal/vertical or curved surfaces,excluding the cost of purlins,rafters and trusses and including cutting to size and shape wherever required.	700.00	Sqm	601.75	421,225.00
1.c	Providing and fixing precoated galvanised steel sheet roofing Ridges plain (500-600mm) 0.50 mm (+0.05%) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling / self tapping screws complete:	70.00	Rmt	620.75	43,452.50
2	Providing and fixing in true horizontal level 600 mm x 600 mm 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 with a coat of protective paint over the formed grid and complete in all respect .Boards where light fixtures to be fixed shall be handed over to Department. M/s- Armstrong etc complete all as directed by Engineer-in-charge.	650.00	One Sqm	1,055.32	685,959.10
3	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	4,900.00	Sqm	3.20	15,680.00
4	Scrapping the existing paint surface, repairing the wall surface by applying wall putty wherever required and supply and application of Two coats of Altek Superfine, One coat of Altek water based cement primer & Two coats of Altek Flora (plastic Emulsion paint) etc.complete including cost of all materials all as directed by engineer-in-charge	4,000.00	Sqm	97.00	388,000.00
5	Applying two or more coats of oil bound distemper of approved brand and shade	4,000.00	Sqm	41.55	166,200.00
6	Finishing walls with Acrylic Smooth exterior paint of required shade over the New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including base coat of water proofing cement paint applied @ 2.20 kg/10sqm	900.00	Sqm	50.40	45,360.00
7	Applying two or more coats of synthetic enamel paint of approved shade and brand to new work including scraping, cost of all materials and over an under coat of suitable shade with ordinary paint/primer of approved brand and manufacture etc., complete all as directed by Engineer-in-charge.				
a	For wood work	1,250.00	Sqm	51.30	64,125.00
b	For iron work	150.00	Sqm	51.30	7,695.00
8	Repairs to the existing doors, windows, ventilators and cup boards including frame, shutters, fittings, weldmesh, T.W beadings etc., all as directed by the Engineer-in-charge. (Only labour charges).	60.00	One Sqm	144.20	8,652.00
9	Supplying and fixing of medium Indian teakwood window shutters 30 mm thick fully glazed with 3 mm thick glass of approved quality including cost and fixing of MS fixtures, fittings and furniture of superior quality etc., complete as directed by the Engineer-in-charge.	60.00	One Sqm	1,848.00	110,880.00

Signature of the Contractor

Issuing Authority

10	Supplying and fixing of white cleared acrylic sheet of 3 mm thick of required sizes glass putty required for fixing to the existing steel/wooden windows including removing the existing broken glass panes along with the beeding/glass putty, cost of all materials and labour etc., complete all as directed.	130.00	One Sqm	915.00	118,950.00
11	Brick work with ground moulded bricks in cement mortar 1:6 (1 cement : 6 coarse sand) including curing, cost of all materials etc complete all as directed by Engineer-in-charge.	10.00	Cum	2,121.75	21,217.50
12	Plastering in CM 1:6, 20 mm thick including neat finishing , curing, cost of all materials, labour etc.complete.	60.00	One Sqm	95.10	5,706.00
Part-B:-Chain link mesh Compound wall					
13	Earth work excavation in all soils except rock requiring blasting under all conditions with an initial lead of 10 M and initial depth of 1.00 M and depositing, the same neatly including dressing the bottom of excavation etc complete as directed by the Engineer-in-charge.	300.00	Cum	101.85	30,555.00
14	Cement concrete 1:5:10 mix using 40mm IRC gauge down graded granite stone metal in foundation etc. including consolidation, curing, cost of all materials etc. complete as directed by the Engineer-in-charge..	47.00	Cum	2,079.60	97,741.20
15	Dismantling and disposal up to a distance of 2 kms. Lead , the following including the cost of labour, tools, transport etc. all complete all as directed by Engineer-in-charge.				
a	Lumpsum PCC	0.10	One Cum	226.90	22.69
b	Lumpsum Brick work	0.50	One Cum	310.75	155.38
c	Lumpsum CRS	1.00	One Cum	370.75	370.75
d	Lumpsum plastering	20.00	One Sqm	8.20	164.00
16	Providing & laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand	4.00	Cum	3,257.45	13,029.80
17	Providing & laying in position reinforced cement concrete work of grade 1:2:4 (1cement : 2 coarse sand : 4 graded granite stone aggregate) 20 mm nominal size in walls (any thickness) including attached pilasters,butresses,plinth and string courses ,fillets,columns,pillars,piers,abutments,posts and struts etc upto floor five level excluding cost of centering,shuttering,finishing and reinforcement including curing , cost of all materials as per direction of Engineer-in-charge.	0.60	One Cum	3,720.00	2,232.00
18	Providing Steel/ Plywood shuttering with necessary oil coat to give smooth and even surface including centering , strutting , proping etc. and removal of form work for cast in situ concrete etc. complete all as directed by Engineer-in-charge.	11.00	One Sqm	180.40	1,984.40
19	Coursed rubble stone masonry 2nd sort with hard granite stone in foundation and plinth with cement mortar 1:6 (1 cement : 6 coarse sand) including curing cost of all materials as directed by Engineer-in-charge.	400.00	Cum	1,913.10	765,240.00
20	Flush Pointing on stone masonry with cement mortar 1:3 (1 cement : 3 fine sand) including curing etc complete all as directed by Engineer-in-charge.	460.00	Sqm	62.50	28,750.00
21	Refilling the foundations and basement with excavated soils including watering, consolidation etc. complete all as directed by Engineer -in-charge.	90.00	Cum	45.70	4,113.00
22	Coveyance of excavated earth upto a lead of 2 km as directed by engineer- in -charge	100.00	Cum	56.41	5,641.00
23	Surface dressing of the ground including removing vegetation and in- equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift upto 1.5 m for all kinds of soils etc., complete all as directed by Engineer - In charge	930.00	Sqm	5.12	4,761.60
24	Structural steel work in single section fixed with or without connecting plate including cost of cutting hoisting, and fixing in position and applying a priming coat of approved steel primer complete as directed by Engineer Incharge.	4,750.00	Kg	42.15	200,212.50
25	Fencing poles of MS angles 65mmX65mmX6mm @ 3.3 m c/c				
26	25 mmx5 mm MS flat as stiffner around the fencing both side MS reinforcement @125/Cum				
27	Applying two or more coats of synthetic enamel paint of approved brand and n	25.00	sqm	35.35	883.75
28	Applying two or more coats of aluminium paint of approved brand and manufa	130.00	sqm	28.60	3,718.00
29	Plastering in cement mortar 1:6, 20 mm thick including curing, cost of all materials etc, complete all as directed by Engineer-in-charge	20.00	Sqm	95.10	1,902.00

30	Providing and fixing G.I. chain link mesh of required width in mesh size (50mmx50mmx1.5m height x8 SWG(dia 4mm)x15m roll length)to the existing poles with G.I binding wire,applying sufficient pull, by engaging required skilled manpower including cost of G.I binding wire all as directed by Engineer-in-charge	960.00	sqm	385.40	369,984.00
31	Steel work welded in built up sections /framed work including cutting,approved locking arrangements, necessary fixing materials,hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc as required in gratings,frames,guard bar ladder,railings,brackets,gates and simillar works.	400.00	Kg	51.20	20,480.00
Total Estimate Cost					3,663,268.16

Tender %	In words	Figures
Excess		
Less		
Estimate		

Notes:

1	A penalty of 0.5% of the gross value of work will be levied for every week's delay of work subject to a maximum penalty of 10% of the gross value of work.
2	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.
3	Service tax if paid by the contractor with respect to this work will be reimbursed by BHEL on production of documentary evidence for having paid the service tax by the contractor.
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 06 months . The security deposit will be released after satisfactory completion of the work and after getting I.R clearance and payment of final bill.