

BHARAT HEAVY ELECTRICALS LIMITED					
RAMACHANDRAPURAM :: HYDERABAD-502032					
(TOWNSHIP ADMINISTRATION)					
PRICE BID - PART - B - Item No. 03					
Name of work: "Modification/Renovation works and Construction of Toilet blocks (2 Nos) at St. Ann's Primary School"					
PART-A:-Modification/Renovation works					
Sl. No	Description of item	Qty	Unit	Rate	Amount
1	2	4	5	6	7= 4 x 6
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.	400.00	Sqm	11.75	4,700.00
1.b	Providing and fixing pre-coated 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.	400.00	Sqm	601.75	240,700.00
1.c	Providing and fixing pre-coated 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:	40.00	Rmt	620.75	24,830.00
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.	510.00	Sqm	1,055.32	538,214.06
3	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.	7.00	Cum	2,121.75	14,852.25

Signature of the Contractor

Issuing Authority

4	Plastering in CM 1:6, 20 mm thick including neat finishing , curing, cost of all materials, labour etc.complete.	30.00	One Sqm	95.10	2,853.00
5	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	2,450.00	Sqm	3.20	7,840.00
6	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 ncluding cost of all materials all as directed by engineer-in-charge	500.00	Sqm	97.00	48,500.00
7	Applying two or more coats of oil bound distemper of approved brand	1,000.00	Sqm	41.55	41,550.00
8	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.	750.00	Sqm	50.40	37,800.00
9	Applying two or more coats of synthetic enamel paint of approved shade and brand to old wood 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.	550.00	Sqm	51.30	28,215.00
10	Applying two or more coats of synthetic enamel paint of approved shade and brand to old iron 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.	300.00	Sqm	51.30	15,390.00
PART-B:-Construction of Toilet blocks (2 Nos)					
11	Grass cutting including light jungle, collection of stones, disposing, the cut grass and light jungle to places as directed by the Engineer-in-charge. The rate quoted shall include the cost of cutting, cleaning, loading, conveyance within a lead of 2 KM to places as directed and spreading etc complete.	800.00	One Sqm	0.75	600.00
12	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth. 1.5 m in width as well as 10 Sqm on plan) including disposal of excavated earth, within a lead of 50 m and lift up to 1.5 m disposed earth to be levelled and neatly dressed for all kind of soils all as directed by Engineer-in-charge	100.00	One Cum	101.85	10,185.00
13	Plain cement concrete 1:5:10 mix using 40 mm guage down graded machine crushed granite metal in foundation including consolidation, curing and cost of all materials etc complete.	20.00	One Cum	2,079.60	41,592.00
14	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.	50.00	One Cum	1,913.10	95,655.00
15	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.	40.00	One Cum	2,121.75	84,870.00
16	Half brick masonry cement mortar 1:4 (1cement :4 coarse sand) with FPS brick of class designation 75 in superstructure above plinth level upto floor V level.	100.00	sqm	302.80	30,280.00
17	Reinforced cement concrete work in beams,suspended floors,roofs having slope upto 15 degree landings,balconies,shelves,chajjas,lintels,bands,plain window sills,staircasees upto floor five level excluding cost of centering,shuttering,finishing and reinforcement with 1:2:4 (1cement : 2 coarse sand : 4 graded granite stone aggregate 20 mm nominal size) including curing , cost of all materials as per direction of Engineer-in-charge.	22.00	One Cum	3,673.85	80,824.70

18	Reinforcement for R.C.C. work including straightening, cutting, bending placing in position and binding all as directed by Engineer-in-charge.	2,750.00	Kg	41.50	114,125.00
19	Providing Steel/ Plywood shuttering with necessary oil coat to give smooth and even surface including centering , strutting , propping etc. and removal of form work for cast in situ concrete work in suspended floors, roofs, landings, balconies and access platform etc. etc. complete all as directed by Engineer-in-charge.	250.00	One Sqm	187.35	46,837.50
20	Plastering in CM 1:6, 20 mm thick including neat finishing , curing, cost of all materials, labour etc. complete.	430.00	One Sqm	95.10	40,893.00
21	Plastering in cement mortar 1:3, 6 mm thick including curing, cost of all materials etc, complete all as directed by Engineer-in-charge.	120.00	One Sqm	62.15	7,458.00
22	Supply, fabrication and fixing of ornamental MS grills of approved quality and design including fixing of MS hold fasts in Cement concrete, cost of all materials etc., complete as directed by the Engineer-in-charge.	1,000.00	Kgs	64.40	64,400.00
23	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS 15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy bottle green black of any size as approved by engineer in charge in skirting risers of steps and dados over 12mm thick bed of cement including pigment of matching shade , hacking the existing surface, cleaning the surface with water, grouting the joints with pigment in wet condition, including loading, unloading and conveyance to site all as directed by Engineer-in-charge.	310.00	One Sqm	556.60	172,546.00
24	Providing and laying nonskid floor tiles 300x300mm (thickness to be specified by the manufacture) of 1 st quality conforming IS 15622 of approved make in colours such as white Ivory grey fume red brown laid on 20mm thick cement mortar 1:4(1 cement 4 coarse sand) including pointing the joints with white cement and matching pigment, hacking the existing surface, cleaning the surface with water, grouting the joints with pigment in wet condition, including loading, unloading and conveyance to site all as directed by Engineer-in-charge. etc. complete.	90.00	One Sqm	598.65	53,878.50
25	Providing and fixing factory made UPVC door frame made of UPVC extruded section of size 48 x 40 mm (tolerance ± 1 mm) with wall thickness 2.0mm ± 0.2 mm , corners of the door frame to be mitred and welded of plastic, galvanized brackets and stainless steel screws. The hinge side vertical of the frames reinforced by galvanized M.S tube of size 19 x 19 mm and 1 mm ± 0.1 mm wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer-in-charge.	40.00	One Rmt	141.00	5,640.00

26	Providing and fixing 24 mm thick factory made SINGLE/DOUBLE PVC door shutters made of styles and rails of a UPVC hollow section of size 59 x 24 mm and wall thickness 2 mm ± 0.2 mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of M.S galvanised/ plastic brackets of size 75 x 220 mm having wall thickness 1.0mm and stainless screws. The styles of the shutter reinforced by inserting galvanised M.S tube of size 20 x 20 mm and 1mm ± 0.1 mm wall thickness. The lock rail made up of ' H ' section, a UPVC hollow section of size 100 x 24 mm and 2mm ± 0.2 mm wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S ' U ' cleats . The shutter frames filled with a UPVC multi-chambered single panel of size not less than 620 mm , having over all thickness of 20 mm and 1 mm ± 0.1 mm wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.	12.00	One Sqm	2,190.50	26,286.00
27	Applying two or more coats of oil bound distemper of approved brand	120.00	Sqm	41.55	4,986.00
28	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.	200.00	Sqm	50.40	10,080.00
29	Applying two or more coats of synthetic enamel paint of approved brand	600.00	sqm	35.35	21,210.00
30	Damp proof course in cement mortar 1:4, 20 mm thick mixed with best water proofing compound of approved brand at the rate of 2% by weight of cement, neat finishing, curing etc, complete all as directed by Engineer-in-charge.	90.00	One Sqm	144.15	12,973.50
31.a	Fixing white vitreous china Orissa pattern W.C pan and white P.V.C flushing cistern with all fittings and fixtures complete including cutting and making good the walls and floors wherever required etc. complete all as directed by Engineer-in-charge.	8.00	Each	2,304.65	18,437.20
31.b	Supplying and fixing CI nahani traps ist quality/ISI marked confirming to IS:1729-1979 with C.P. grating fixing with white cement as per requirements with standard practice.100 mm dia inlet-75 mm(3") outlet pipe-4 Kgs.	12.00	Each	200.00	2,400.00
31.c	Fixing of GI pipes TATA/ZINDAL make (Class-B) with all necessary fittings including excavation, making holes, fixing clamps wherever necessary and repairing the holes, refilling the trenches, cost of all materials etc complete as directed for 25 mm dia (1") dia.	80.00	One Rmt	179.65	14,372.00
31.d	Fixing of GI pipes TATA/ZINDAL make (Class-B) with all necessary fittings including excavation, making holes, fixing clamps wherever necessary and repairing the holes, refilling the trenches, cost of all materials etc complete as directed for 20 mm dia (3/4") dia.	60.00	One Rmt	133.85	8,031.00
31.e	Fixing of GI pipes TATA/ZINDAL make (Class-B) with all necessary fittings including excavation, making holes, fixing clamps wherever necessary and repairing the holes, refilling the trenches, cost of all materials etc complete as directed for 15 mm dia (1/2") dia.	60.00	One Rmt	105.85	6,351.00
31.f	Supplying and fixing 150 mmx100 mm SWG gully traps of ISI make confirming to ISI 651 & 4127 with C.I. Grating and Constg.Brick masonry in CM 1:6 prop. Intermediate chamber and fitted with 304.8 mmx288.6 mm (12"x9") C.i frame and hinged cover .	8.00	Nos	321.00	2,568.00
31.g	Providing and fixing 15 mm nominal bore C.P. brass stop cock(concealed) of standard design and of approved make confirming to IS:8931.	70.00	Nos	313.10	21,917.00

31.h	Providing and fixing unplasticised P.V.C. connection 15 mm diameter with 450 mm length pipe with PTMT nuts collar and bush of approved quality and colour.	70.00	Nos	52.90	3,703.00
31.i	Providing and placing on Terrace(at all floor levels) 1000 Lits. Capacity Polyethylene water storage tank with double layer approved brand and manufacture with cover and with all accessories (25mm Ball Cock 1 No., 25 mm Tank Nipples - 3 with Check Nuts, Washers etc.) etc. including labour charges complete as directed by the Engineer-in-charge.	8.00	Each	5,250.00	42,000.00
31..j	Providing and fixing 15 mm dia CP brass longbody bibcock (SEIKO DELUXE HD make) and weighing not less than 690 gms.	20.00	Each	315.80	6,316.00
31.k	Fixing sudhakar/Prince PVC pipes of 110mm dia, rate includes dismantling of any old existing pipe, making good the joints with external specials from P/S traps with proper slope complete all as directed by Engineer-in-charge.	60.00	Rmt	163.40	9,804.00
32	Constructing brick masonry chamber for underground CI inspection chamber and bends with 75 class designation bricks in cement mortar 1:4(1 cement 4 coarse sand) CI cover with frame (light duty) 455x610mm internal dimensions total weight of cover with frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg) RCC top slab with 1:2:4 mix(1 cement 2 coarse sand 4 graded stone aggregate 20mm nominal size) foundation concrete 1:5:10 (1 cement 5 fine sand 10 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3(1cement 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc, complete as per standard design.				
	Inside dimensions 455x610mm and 45 cm deep for single pipe line	8.00	Nos	3,146.40	25,171.20
33	Constructing of brick masonry inspection chamber of inside dimensions 0.914 x 0.45 M with brick work in CM 1:6 , Masonry inspection chamber up to 914.4 mm (3') and fitted with light weight 914.4 mmx457.2 mm (3'x1'6") C.I. frame and cover of 40 kg. etc., complete as directed by Engineer-in-charge.	6.00	Nos	3,226.00	19,356.00
34	Earth work in excavation by mechanical means (hydraulic excavator) manua means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth lead upto 50m and lift upto 1.5m, disposal earth to be levelled and neatly dressed.				
	Hard rock (requiring blasting)	10.00	cum	252.20	2,522.00
35	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
36	Coveyance of excavated earth upto a lead of 2 km as directed by engineer- in - charge	50.00	One Cum	56.41	2,820.50
37	Providing, laying and joining glazed stone ware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc., complete, of 150 mm diameter all as directed by Engineer-in-charge.	100.00	Rmt	151.65	15,165.00
	Total Estimate cost				2,135,811.41

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.