

BHARAT HEAVY ELECTRICALS LIMITED					
RAMACHANDRAPURAM :: HYDERABAD-502032					
(TOWNSHIP ADMINISTRATION)					
					Tender Notice No.
PRICE BID - PART - B - Item No. 02					HY/TA/OT-10/2014-15
					Date: 04.12.2014, Item. No. 02
Name of work: "Construction of Class Rooms and Toilet for Government College for womens(1st floor) Sangareddy -Civil works".					
Sl. No	Description of item	Qty	Unit	Rate	Amount
Part-A:- Civil Works					
1	Demolishing brick work manually by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	3.00	One Cum	310.75	932.25
2	Demolishing R C C work manually by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	0.50	One Cum	537.55	268.78
3	Welding by gas or electric plant including transportation of plant at site etc.	100000.00	cm	1.45	145,000.00
4	Reinforced cement concrete work in beams,suspended floors,roofs having slope upto 15 degree landings,balconies,shelves,chajjas,lintels,bands,plain window sills,staircases 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.	64.62	One Cum	3,673.85	237,404.19
5	Reinforcement for R.C.C/brick work including straightening,cutting,bending placing in position and binding all all as directed by Engineer-in-charge.	9600	Kg	41.50	398,400.00
6	Reinforced cement concrete work in walls (any thickness) including attached pilasters buttresses plinth and string course fillets columns pillars piers abutments posts and struts etc. up to floor five level excluding cost of centering shuttering finishing and reinforcement with 1:1.5:3(1cement 1.5 coarse sand 3 grade stone aggregate 20mm nominal size).	8.38	cum	4,092.35	34,293.89
7	Centering and shuttering including strutting,propping etc and removal of formwork for columns,pillars,piers,abutments,posts and struts etc.	109.35	sqm	238.40	26,069.04
8	Centering and shuttering including strutting,propping etc and removal of formwork for lintels,beams,plinth beams,girders,bressumers and cantilevers. etc.	612.94	sqm	162.65	99,694.69
9	Brick work in cement mortar 1:6(1cement :6 coarse sand) with FPS bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes.	60.00	cum	2,430.25	145,815.00
10	Plastering in cement mortar 1:6, 20 mm thick including curing, cost of all materials, etc complete all as directed by Engineer-in-charge.	1050.00	sqm	95.10	99,855.00
11	Providing and laying Non skid floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc, complete.	48.00	sqm	598.65	28,735.20
12	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, irsers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	140.00	sqm	556.60	77,924.00

13	Providing and fixing factory made UPVC door frame made of UPVC extruded section having an overall dimensions as below (tolerance - ⁺ 1mm) with wall thickness 2.0mm - ⁺ 0.2mm, corners of the door frame to be mitred and welded of pastic, galvanized brackets and stainless steel screws . the hinges side vertical of the frames reinforced by galvanized stainless steel hinges fixed to the frame complete as per manufactures specification and direction of engineer in charge.Extruded section profile size 48x40mm.	70.00	metre	141.00	9,870.00
14	24mm thick factory made PVC door shutters mede of styles and rails of a UPVC hollow section of size 59x24mm and wall thickness 2mm - ⁺ 0.2mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of MS galvanised / plastic brackets of size 75x220 mm having wall thicknell 1.0mm and stainless steel screws. the styles of the shutter reinforced by inserting galvanised MS tube of size 20x20mm and 1mm - ⁺ 0.1mm wall thickness. the lock rail made up of H section a UPVC hollow section of size 100x24 mm and 2 mm - ⁺ 0.2mm wall thickness fixed to the shutter styles by means of plastic/ galvanised MS.U cleats. the shutter frame filled with a UPVC multi chambered single panel of size not less than 620 mm having over all thickness of 20mm and 1mm - ⁺ 0.1mm wall thickness. the panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanised MS rod and fastened with nuts and washers, complete as per manufacture's specification and washers complete as per manufacture's specification and direction of engineer in charge. (for W.C and bathroom door shutter)	22.00	sqm	2,190.50	48,191.00
15	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position: Second class teak wood	0.75	cum	52,090.00	39,067.50
16	Supplying and fixing 30mm thick ISI marked solid core flush door veneer facing shutters conforming to IS:2201 (Part I) commercial type, all as directed by engineer-In-charge.	9.00	One Sqm	989.00	8,901.00
17	Providing and fixing ISI marked oxidised M.S. pressed butt hinges of size 100x58x1.90 mm with necessary screws etc all as directed by Engineer-in-charge.	24.00	Each	13.45	322.80
18	Providing and fixing ISI marked oxidised M.S. tower bolt black finish(Barrel type) of size 200x10 mm with necessary screws etc all as directed by Engineer-in-charge.	12.00	Each	28.60	343.20
19	Providing and fixing ISI marked oxidised M.S. Handls conforming to IS:4992 of size 100 mm with necessary screws etc all as directed by Engineer-in-charge.	12.00	Each	7.75	93.00
20	Providing and fixing ISI marked oxidised M.S. aldrops of size 300 mm with necessary screws etc all as directed by Engineer-in-charge.	4.00	Each	108.80	435.20
21	Providing and fixing 30 mm thick glazed shutters for doors windows and clerestory windows using 4mm thick float glass panes including black enamelled ISI marked MS butt hinges with necessary screws.(glass rate deducted in this item rate)	17.00	sqm	1,372.51	23,332.67
22	Supplying and fixing of white clear acrylic sheet of 3 mm thick of required sizes with glass putty required for fixing to the existing steel/wooden windows including removing the existing broken glass panes/plywood panes along with the beeding/glass putty, cost of all materials and labour etc., complete all as directed by Engineer In charge.	16.00	One Sqm	1,050.00	16,800.00
23	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete - Fixed to opening / wooden frames with rawl plugs screws etc.	650.00	kgs	64.40	41,860.00

24	Providing impervious coat over R.C.C. roof slab with CM (1:3) prop, 20mm average thick mixing with water proofing agent like accoproof or any other impermo compound at 1 Kg per bag of Cement laid over roof slab when it is green including cost and conveyance of all materials to site, Cost of seigniorage charges on all materials, all taxes, labour charges such as mixing laying to proper slopes as directed during execution, rendering smooth and thread lining at regular intervals of 450mm x 450mm and rounding off junctions of wall and slabs curing etc., complete for finished item of work, (As per S.S. 902)	350.00	One Sqm	122.87	43,004.50
25	6 mm cement plaster of mix: 1:3(1 cement : 3 fine sand)	290.00	sqm	62.15	18,023.50
26	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade: New work (two or more coats) over and including priming coat with cement primer.	825.00	sqm	41.55	34,278.75
27	Providing and fixing unplasticised P.V.C. connection of 15 mm nominal bore with 450 mm length pipe with PTMT Nuts collar and bush of approved quality and colour.	16.00	Each	52.90	846.40
28	Providing and fixing 15 mm nominal bore C.P brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931.	16.00	Each	347.65	5,562.40
29	Supplying and fixing CI Nahani traps 1st quality ISI marked conforming to IS:1729-1979 with C.P. Grating fixing with white cement as per site requirements with standard practice.100 mm dia inlet-75 mm (3") outlet pipe-4 Kgs.	16.00	Each	200.00	3,200.00
30	Providing and fixing chlorinated polyvinyl chloride (CPVC) pipes,having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings.This includes jointing of pipes and fittings with one step CPVC solvent cement,trenching,refilling and testing of joints complete as per direction of Engineer-in-charge.				-
a	75 mm nominal inner dia. pipes	150.00	rmt	1,590.75	238,612.50
b	100 mm nominal inner dia. pipes	150.00	rmt	2,206.10	330,915.00
31	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.				-
a	15 mm dia. nominal bore	150.00	metre	94.05	14,107.50
b	20 mm dia. nominal bore	100.00	metre	116.60	11,660.00
c	25 mm dia. Nominal bore	60.00	metre	156.85	9,411.00
32	Finishing walls with Premium Acrylic Smooth exterior paint with silicone additives of required shade: 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).	500.00	sqm	50.40	25,200.00
33	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	100.00	sqm	51.30	5,130.00
34	Carriage of Lime, moorum, building rubbish upto 2 km by mechanical transport including loading,unloading and stacking as per the direction of engineer in charge.	10.00	cum	45.13	451.30
35	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required: W.C. pan with ISI marked white solid plastic seat and lid.	7.00	each	3,282.95	22,980.65

36	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C flushing cistern with manually controlled device (handle lever) conforming to IS:7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C pan of size 580x440 mm with integral type foot rests.	7.00	each	2,304.65	16,132.55
37	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar taps.	2.00	each	1,201.70	2,403.40
38	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931: 15 mm nominal bore.	16.00	each	313.10	5,009.60
39	Providing new black boards in CM 1:4, 12 mm thick , mixed with 5 kgs of black oxide powder to 50 kgs of cement including neat finishing and painting in two coats with black board paint of approved brand over a coat of primer including cost of all materials etc complete as directed by the Engineer-in-charge. Black powder rate is considered Rs.50x15%/1 kg as per local market.	15.00	One Sqm	109.00	1,635.00
40	Laying Shabad Stone flooring with Tandur white 25.40mm thick over a base of Mud Mortor of 20.00 mm thick and pointing to full depth of stone with Cement Mortor 1:3 Prop including cost of Conveyance of all materials and seigniorage charges on all materials like Shabad Stone Sand Cement Dry Mud and Water, all taxes, labour charges etc., Mixing of mortor, curring etc., complete for finished item of work (S.S. 702)	270.00	One Sqm	309.59	83,589.30
41	Half brick masonry with F.P.S bricks of class designation 75 in superstructure above plinth level upto floor V level in cement mortar 1:4(1 cement:4 coarse sand.6 mm MS will be provided in every 5th course.(Reinforcement cost will be made separately in item No- 5).	160	sqm	302.80	48,448.00
Total estimate cost					2,404,209.76
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 04 months . The security deposit will be released after satisfactory completion of the work and after getting I.R clearance and payment of final bill.				

* The above estimates are excluding service tax.

*Estimates prepared comply with guidelines issued by corporate vigilance dept. vide ref No:- AA/VAS/1349-E dtd.11.11.2009.