

Sub:- Development of infrastructure facilities at Muzaffarpur TPS pertaining to R & M of 2x110 MW, Unit 1&2 for KBUNL, Kanti, Bihar.						
						NIT NO. PDX/MM&SC/MUZAFFARPUR/T-05
PRICE SCHEDULE						
SCHEDULE - A (Civil Works)						
Item No.	DSR Item No.	Item Description	Qty.	Unit	Rate/Unit (In Rs.)	Amount (In Rs.)
10	15.24	Demolishing dry brick pitching in floors, drains, etc. including stacking serviceable material and disposal of unserviceable material within 50 metres lead.	25.00	cum		
11		Dismantling roofing including ridges, hips valleys and gutters, etc., and stacking the material within 50 metres lead of:				
11.1	15.28.2	Asbestos sheet	25.00	sqm		
12		Dismantling precast concrete or stone slabs in walls, partition walls, etc. including stacking within 50 metres lead:				
12.1	15.40.2	Thickness above 40 mm upto 75 mm.	40.00	sqm		
13	15.44.1	Dismantling of GI Pipes 15 mm to 40 mm nominal bore including all GI fittings, including excavation and refilling trenches after taking out the pipes , manually/by mechanical means including stacking of pipes within 50 m lead as per direction of Engineer-in charge.	50.00	Metre		
14	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including the disposal of rubbish in the dumping ground within 50 m lead	100.00	sqm		
15		Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps:				
15.1	19.5.1	100 mm diameter	80.00	Metre		
15.2	19.5.2	150 mm diameter	40.00	Metre		
Earth Work						
16	1.1.1	Disposal of building rubbish/earth within 5 km lead including loading, transpoting, unloading and dressing of stack complete.	50.00	cum		
17		Earth work in excavation over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed.				
17.1	2.8.1	All kinds of soil.	20.00	cum		

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Item No.	DSR Item No.	Item Description	Qty.	Unit	Rate/Unit (In Rs.)	Amount (In Rs.)
18		Excavation trenches of required width for pipes, cables, etc. including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m:				
	2.10.1	All kinds of soil.				
18.1	2.10.1.1	Pipes, cables, etc. not exceeding 80 mm dia	40.00	metre		
18.2	2.10.1.2	Pipes, cables, etc. exceeding 80 mm dia. But not exceeding 300 mm dia	40.00	metre		
19	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations, etc. in layers not exceeding 20 cm in depth : consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5m	15.00	cum		
20	2.28	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m:				
20.1		All kinds of soil	1500.00	sqm		
21	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the peripheri of the area cleared.	800.00	sqm		
Waterproofing and Roof drainage						
22		Providing gola 75x75 mm in cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 10 mm and down guage) including finishing with cement mortar 1 : 3 (1 cement : 3 fine sand) as per standard design:				
22.1	12.21.1	In 75 x 75 mm deep chase	100.00	metre		

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SCHEDULE - A (Civil Works)					
Item No.	DSR Item No.	Item Description	Qty.	Unit	Rate/Unit (In Rs.)
45		Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer:			
45.1	10.5.1	Using M.S. angles 40x40x6 mm for diagonal braces.	5.00	sqm	
46		Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5 cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters:			
46.1	10.6.2	80x1.20mm M.S. laths with 1.20 mm thick top cover.	10.00	sqm	
47	10.7	Providing and fixing ball bearing for rolling shutters.	4.00	each	
48		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:			
48.1	9.48.2	Fixed to openings/wooden frames with rawl plugs screws, etc.	500.00	Kg	
49	10.1	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	100.00	kg	
50		Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.			
50.1	10.25.2	In gratings, frames, guard bar, ladders, railings, brackets, gates and similar works.	50.00	Kg	

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SCHEDULE - A (Civil Works)

Item No.	DSR Item No.	Item Description	Qty.	Unit	Rate/Unit (In Rs.)	Amount (In Rs.)
57		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fitting i/c fixing the pipe with clamps aty 1.0 m spacing. This includes joining of pipes & fitting with one step CPVC Solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge.				
57.1	18.8.1	Concealed work including cutting chases and making good the walls etc.using 15 mm nominal outer dia pipes.	150.00	Metre		
57.2	18.8.2	Concealed work including cutting chases and making good the walls etc.using 20 mm nominal outer dia pipes.	50.00	Metre		
57.3	18.8.3	Concealed work including cutting chases and making good the walls etc.using 25 mm nominal outer dia pipes.	5.00	Metre		
57.4	18.8.4	Concealed work including cutting chases and making good the walls etc.using 32 mm nominal outer dia pipes.	5.00	Metre		
58		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fitting i/c fixing the pipe with clamps aty 1.0 m spacing. This includes joining of pipes & fitting with one step CPVC Solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge.				
58.1	18.9.2	Exposed on wall having nominal outer diameter 20mm.	100.00	Metre		
58.2	18.9.3	Exposed on wall having nominal outer diameter 25 mm.	5.00	Metre		
58.3	18.9.4	Exposed on wall having nominal outer diameter 32mm.	5.00	Metre		
58.4	18.9.5	Exposed on wall having nominal outer diameter 40mm.	5.00	Metre		
59	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI:12701 marked indicating the BIS License No. with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes, but without fittings and the base support for tank. (Sintex, Electroplast, Star, Lotus or equivalent having valid ISI Licence).	3000.00	Ltres		

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SCHEDULE - A (Civil Works)

Item No.	DSR Item No.	Item Description	Qty.	Unit	Rate/Unit (In Rs.)	Amount (In Rs.)
		FALSE CEILING AND ALUMINIUM WORK :				
64		Providing and fixing at all height false ceiling of 12.5 mm thick tapered edge gypsum board conforming to IS:2095 including providing and fixing of frame work made of special sections power pressed from M.S. sheet and galvanised in accordance with zinc coating of grade 350 as per IS:277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 22 mm and 37 mm at 1200 mm centre to centre one flange fixed to the ceiling with dash fastner 12.5 mm dia x 40 mm long with 6 mm dia bolts to the angle hanger of 25x25x0.55 mm of required length, and other end of angle hanger being fixed with nut and bolts to G.I. channels of 45 mm x 15 mm x 0.9 mm running at the rate of 1200 mm centre to centre to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having clips of 10.5 mm at 450 mm centre to centre shall be fixed in a direction perpendicular to G.I. channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction including fixing the gypsum board with				
	12.49.1	channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre to centre with 25 mm long drive-all screws @ 230 mm interval including jointing and fixing to a flush finish of the PVC sheet as per manufacturers specifications and including the cost of making opening for light fittings, grills, diffusers, cut-outs made with frame of perimeter channels suitably fixed all complete as per drawing and specification and direction of the Engineer-in-Charge.	20.00	sqm		
65		Providing and fixing 12 mm thick prelaminated three layer medium density (exterior grade) particle board Greade I, Type II conforming to IS:12823 bonded with phenol formaldehyde synthetic resin, of approved brand and manufacture in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass/stainless steel screws, etc. complete as per architectural drawings and directions of Engineer-in-charge:				

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Item No.	DSR Item No.	Item Description	Qty.	Unit	Rate/Unit (In Rs.)
					Amount (In Rs.)
71		Providing and fixing stone slab table rubbed edge rounded and polished of size 75 cm x50 cm deep and 1.8 cm thick fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engr-in charge and finished smooth:			
71.1	8.10.2	Granite stone of approved shade.	2.00	sqm	
72	11.41.2	Providing and laying polished vitrified floor tiles 600mmx600mm size (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622 or approved make in all colours and shades laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc complete	500.00	sqm	
73	11.37	Providing and laying Ist quality Anti skid ceramic glazed floor tiles 300mmx300mm or more (thickness to be specified by the manufacturer) conforming to IS: 15622 of approved make like NITCO,Johnson & Johnson,SOMANY KAJARIA, or equivalent in all 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 pigments etc. complete.	25.00	sqm	
74	11.36	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS:15622(thickness to be specified by the manufacturer) of approved make make in all colours, shades except begundy, bottle green, black of any size as approved by Eningeer-in-Charge in skirting, risere of steps and dados over 12 mm thick bed of cement mortar 1:3(1cement:3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete(make of tile shall be Johnson & Johnson, Soman, Kazaria, Nitco or equivalent).	50.00	sqm	
75	11.42	Deduct for not using 20 mm thick cement mortar 1:4 (1cement: 4 Coarse sand) bedding in laying of floor tiles.	300.00	sqm	
76	11.43	Fixing glazed ceramic/vitrified floor tiles with cement based high polymer modified quickset tile adhesive(water based conforming to IS:15477 using 5 kg adhesive per sqm of tile area in average 3mm thickness.	300.00	sqm	

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Item No.	DSR Item No.	Item Description	Qty.	Unit	Rate/Unit (In Rs.)
		ADDITIONAL ITEMS			Amount (In Rs.)
77	15.2	Demolishing cement concrete manually / by mechanical means including disposal of material within 50 meters lead as per direction of Engineer - in - charge.			
77.1	15.2.1	In 1:4:8 or leaner mix	10.00	cum	
78	6.12	Half brick masonry with F.P.S bricks of class designation 75 in foundation and plinth in			
78.1	6.12.2	cement mortar 1:4 (1 cement:4 coarse sand)	25.00	sqm	
79	6.13	Half brick masonry with F.P.S bricks of class designation 75 in superstructure above plinth level upto floor V level			
79.1	6.13.2	cement mortar 1:4 (1 cement:4 coarse sand)	50.00	sqm	
80	22.8	Providing and laying four courses water proofing treatment with bitumen felts over roofs consisting of first and third courses of blown bitumen 65/25 or 90/15 conforming to IS:702 applied hot@ 1.45 Kg per square meter of area for each course, second course of roofing felt type 3 grade 1(hessian based self finished bitumen felt) and fourth and final course of stone grit 6 mm and down size or pea-sized gravel spread at 6 cubic decimeter per square meter including preparation of surface but excluding grading complete with:			
80.1	22.8.1	Bitumen felt(hessian base) type 3 grade 1 conforming to IS: 1322	650.00	sqm	
81	9.9	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes including black enamelled ISI marked M.S. butt hinges with necessary screws			
	9.9.1	Second class teak wood			
81.1	9.9.1.2	30 mm thick	10	sqm	
82	9.31	Providing and fixing wire gage laminated veneer lumber shutters conforming to IS: 14616, and as per TADS 15: 2001 (part-B) using galvanised wire gauge with average width of aperture 1.4 mm in both directions with wire dia 0.63 mm as per IS: 1568 for doors, windows and clerestory windows including ISI marked bright finished or/ and black enamelled M.S. butt hinges with necessary screws as per directions of Engineer In Charge			
82.1	9.31.2	30 mm thick shutters	80.00	sqm	

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SCHEDULE - A (Civil Works)						
Item No.	DSR Item No.	Item Description	Qty.	Unit	Rate/Unit (In Rs.)	Amount (In Rs.)
97	13.39	Colour washing such as green, blue or buff to give an even shade :				
97.1	13.39.1	New work (two or more coats) with a base coat of white washing with lime	300	sqm		
98	13.71	Lettering with black Japan paint of approved brand and manufacture	1000	per letter percm height		
99	2.34	Supplying chemical emulsion in sealed containers including deliveryas specified.				
99.1	2.34.1	Chlorpyrifhos/ Lindane emulsifiable concentrate of 20%	100	litre		
100	2.35	Diluting and injecting chemical emulsion for POSTCONSTRUCTION anti-termite treatment (excluding the cost of chemical emulsion) :				
	2.35.1	Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete:				
100.1	2.35.1.1	With Chlorpyrifhos/ Lindane E.C. 20% with 1% concentration.	75	sqm		
	2.35.2	Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metreincluding drilling and plugging holes etc.				
100.2	2.35.2.1	With Chlorpyrifhos/ Lindane E.C. 20% with 1% concentration.	15	sqm		
	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match theexisting floor :				
100.3	2.35.3.1	With Chlorpyrifhos/Lindane E.C. 20% with 1% concentration.	200	Sqm		
	2.35.4	Treatment of existing masonry using chemical emulsion @ one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole				
100.4	2.35.4.1	With Chlorpyrifhos/Lindane E.C. 20% with 1% concentration.	100	metre		
100.5	2.35.5	Treatment at points of contact of wood work by chemical emulsion Chlorpyrifhos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	50	metre		

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Item No.	DSR Item No.	Item Description	Qty.	Unit	Rate/Unit (In Rs.)	Amount (In Rs.)		
101	12.47	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigis incorporating minimum 0.3% Ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866.The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified.						
102	12.47.1	2mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6") as specified.	15	sqm				
		Total of Schedule - A						

AMOUNT IN WORDS: Rs.

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PRICE SCHEDULE					
SCHEDULE - B (Civil Works)					
Sr. No.	Item Description	Qty.	Unit	Rate/unit (In Rs.)	Amount (In Rs.) 6=(3x5)
1	2	3	4	5	
1	Dismantling IWC/ EWC including flushing cistern of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	8.00	Each		
2	Dismantling urinals including flushing cistern of any size, including disposal of unserviceable materials within 50 metres lead .	1.00	Each		
3	Dismantling of wash hand basins including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	4.00	Each		
4	cleaning of sewerline including cleaning of intercepting manholes/inspection chambers by rodding or other mechanical means to make it fully functional.	100.00	metre		
5	Uprooting of all sorts of vegetation, removal of old tarfelts from roof top, Chhajja walls etc. including stacking of rubbish within 50 m lead including repairing of damaged portion using 1:4 cement sand mortar or C.C. 1:2:4 as may be required. (Flat area of roof shall be measured for payment purpose)	400.00	sqm		
6	Cement concrete flooring 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size). Finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps, etc. complete:The cost is inclusive of providing and fixing glass strip 50mmx4mm for panelling.				
6.1	50mm thick with 20mm nominal size stone aggregate.	200.00	sqm		
7	Providing and fixing Round lock(SS) keyless cylindrical lock of Godrej make or equivalent	5.00	No		
8	Providing and fixing Round lock(SS) keyed cylindrical lock of Godrej make or equivalent	5.00	No.		

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PRICE SCHEDULE

SCHEDULE - B (Civil Works)

Sr. No.	Item Description	Qty.	Unit	Rate/unit (In Rs.)	Amount (In Rs.)
9	Supplying Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications including spreading in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 Tonne in stages to proper grade and camber, supplying, applying and brooming requisite type of screeding/binding material to fillup the interstices of coarse aggregate watering and compacting to the required density.Total compacted thickness of the WBM road should be 275 mm. First two layer should be of 100 mm compacted thickness each using 90 to 45 mm stone aggregate and top layer should be of 75 mm thickness using 63 mm to 45 mm stone aggregate. Stone screening should be of 13.2 mm nominal size(Type A) or 11.2 mm nominal size(Type B) as may be required to do the job as per CPWD specifications.	120.00	sqm		
10	Converting open wardrobes into covered ward robes includingFraming of ward robe,providing two no shelves and providing two leaf openable shutter using 19 mm water/termite proof block board. Frame outer face and Shutter outer face should be provided with approved coloured laminate conforming to relevant IS code. The cost shall be inclusive of providing teak wood beading/lipping wherever required, brass hinges , handles, magnetic catcher and Godrej ward robe locks. Inner face of the ward robe should be painted with two coats of synthetic enamel paint over an underlying coat of wood primer. (outer Flat area shall be measured for payment purpose)	20.00	sqm		
11	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including black enamelled M.S. butt hinges with necessary screws including cost of panelling and glazing as per existing design and patter including cost of fittings & fixtures like handles pegstay tower bolts etc.				
11.1	Second class teak wood (30 mm thickness).	15.00	sqm		
12	Supplying and filling inplinth with fine sand under floors including watering ramming consolidating and dressing complete.	15.00	cum		
13	Providing and fixing Cascade Wall hung dual flush set E.W.C white in color of parry ware/ hind ware make or equivalent including following.	4	No		

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Sr. No.	Item Description	Qty.	Unit	Rate/unit (In Rs.)	Amount (In Rs.)
a)	Cascade wall hung closet				
b)	Cascade Cistern shell- wall hung				
c)	Cascade Cistern lid - dual flush				
d)	Cascade Ultra solid seat cover				
e)	Cascade wall hung dual flush fittings- internal				
14	Providing and fixing white vitreous china flat back or half stall urinal of 580x380x350 mm with CP push cock , standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with CP bottle trap and waste fittings of (waste coupling and waste pipe as per IS:2556, PVC floor trap with C.P outlet grating including cutting and making good the walls and floors wherever required:	2.00	No		
15	Providing and fixing counter top oval basin of size 550 x 450 of Parryware/Hindware make or equivalent including 32 mm CP waste coupling and CP bottle trap including CPVC wastepipe 32mm dia., PVC Floor trap with CP grating complete.The cost also includes CP connections for both hot and cold water from angular stop cock to basin mixer complete(The cost of angular stop cock and basin mixer is not included in the cost) .	4.00	Nos.		
16	Providing and fixing in position following quarter turn C.P. fittings of Jaquar make - Florentine range or equivalent				
16.1	Angular stop cock with wall flange	15.00	No		
16.2	Two way bib cock with wall flange	4.00	No		
16.3	Health faucet with 1m long flexible tube and wall hook	4.00	No		
16.4	Bib cock with wall flange	4.00	No		
16.5	Central hole Basin Mixer with round spout without popup waste system with 450 mm long copper pipes	4.00	No		
16.6	Wall mixer 3-in-1 system with provision for both telephone shower and overhead shower	3.00	No		
16.7	Sink cock with Regular Swinging Spout(Table mounted model)	4.00	No		

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17	Providing and fixing following CP fittings of Jaquar/ESS-ESS/Marc or equivalent				
17.1	CP Towel ring	4.00	No		
17.2	CP Towel rail	4.00	No		
17.3	CP Towel Rack	4.00	No		
17.4	Toilet Paper Holder	4.00	No		
17.5	Glass Shelf 22"	4.00	No		
17.6	Rain Shower(over head) with rubit cleaning System 100 mm dia	3.00	No		
18	Providing and laying in position unplasticised rigid PVC pipe conforming to IS:13592 (Type B) of required dia. including jointing with seal ring conforming to IS 5382 leaving 10 mm gap for thermal expansion single socketed pipes including all required fittings like coupler/collers and bends , door bends etc. complete under the floor or on the wall including necessary clamps, cutting chases in walls/Floors and making good the same after laying of pipe. Pipe is to be tested for leakages.				
18.1	110 mm dia	50.00	Meter		
18.2	75 mm dia	50.00	Meter		
19	Providing and laying in position unplasticised rigid PVC pipe conforming to IS:13592 (Type B) of required dia. including jointing with seal ring conforming to IS 5382 leaving 10 mm gap for thermal expansion single socketed pipes including all required fittings like coupler/collers Pipe is to be tested for leakages.				
19.1	110 mm dia	50.00	Meter		
20	Providing and fixing 600x450 mm aluminium framed mirror of superior glass (of approved quality ATUL/MODOGUARD or Equivalent) complete with 8 mm thick termite proof and waterproof ply including warsher and fastners complete.	5.00	Nos.		

Sub:- Development of infrastructure facilities at Muzaffarpur TPS pertaining to R & M of 2x110 MW, Unit 1&2 for KBUNL, Kanti, Bihar.

NIT NO. PDX/MM&SC/MUZAFFARPUR/T-05

PRICE SCHEDULE					
SCHEDULE - B (Civil Works)					
Sr. No.	Item Description	Qty.	Unit	Rate/unit (In Rs.)	Amount (In Rs.)
21	Providing & Fixing in floor PVC Floor trap/Nahni trap of suitable size 100mmx75mm	5.00	Each		
22	Providing and fixing partlyglazed/partly panelled partition using anodised aluminium work with extruded built up standard tubular and other sections of approved make conforming to IS : 733 and IS : 1285, anodised transparent or dyed to required shade according to IS : 1868. (Minimum anodic coating of grade AC 15), outer frame should be 100 mm x44 mmx 12g fixed with rawl plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. Glazing should be of 5.5 mm thick float glass and panelling should be of 12 mm thick prelaminated Nova Pan particle board Gr I tupe II conforming to IS 12823.Panel size should be restricted to 4'x4'. Payment for Glazing and panelling shall be made separately.	50.00	sqm		
23	Providing , fabricating and fixing in position partly panelled partly glazed single leaf Al door using anodised aluminium work with extruded built up standard tubular and other sections of approved make conforming to IS : 733 and IS : 1285, anodised transparent or dyed to required shade according to IS : 1868. (Minimum anodic coating of grade AC 15), consisting of top, middle and bottom rail of 100 mm x44 mmx 12g and style of 85 mmx44mmx12g fixed with rawl plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. Glazing should be of 5.5 mm thick float glass and panelling should be of 12 mm thick prelaminated Nova Pan particle board Gr I tupe II conforming to IS 12823. Panel size should be restricted to 4'x4'. Payment for Glazing and panelling shall be made separately.				

Sub:- Development of infrastructure facilities at Muzaffarpur TPS pertaining to R & M of 2x110 MW, Unit 1&2 for KBUNL, Kanti, Bihar.

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PRICE SCHEDULE					
SCHEDULE - B (Civil Works)					
Sr. No.	Item Description	Qty.	Unit	Rate/unit (In Rs.)	Amount (In Rs.)
	The rate also includes providing and fixing 12 mm thick prelaminated Nova Pan Board upto 4' height frm floor level and 5.5 mm thick clear float glass in upper portion. The cost is also inclusive of two nos 200x10 mm Al tower bolts, Two nos disc type Al handles, Godrej make mortise lock -1 nos and 1 Nos Hydraulic door closer of approved make(DERMA, SAVEX, OZONE or equivalent), 3Nos Heavu duty 125 mm Al hinges and 1 Nos Al door stoper.	5.00	sqm		
24	Making design and pattern on glazing with etching process(exposed area of glazing shall be measured for payment)	5.00	sqm		
25	wall painting with plastic emulsion paint of approved brand and manufacture two or more coat on prepared old surface to give an even shade including applying an under coat with suitable primer.	800.00	sqm		
26	Providing and applying plaster of Paris putty of 2 mm thickness over the scrapped and rubbed surface to prepare the surface even and smooth complete.	500.00	sqm		
27	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade two or more coat on old steel/wooden work over an under coat of suitable shade with ordinary paint of approved brand and manufacture cleaning of existing surface using sand paper etc complete.	300.00	sqm		
28	Finishing walls with premium Acrylic Smooth exterior paint with Silicon additives of required shade on Old Work(Two or more coats applied @ 1.43 Ltr/10 sqm) over a coat of cement primer. The cost of cement primer is also included in the item	1000.00	sqm		
	TOTAL OF SCHEDULE - B				

AMOUNT IN WORDS:Rs.

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						NIT NO. PDX/MM&SC/MUZAFFARPUR/T-05
PRICE SCHEDULE						
SCHEDULE - C (ELECTRIFICATION WORK)						
S.No	Facility	DESCRIPTION	QTY	UNIT	UNIT RATE	AMOUNT
19	a,b,c	Providing and fixing Ceiling Fan 48" Diameter of approved company such as Crompton Greaves or any other standard manufacturer as directed by BHEL.	17	Nos.		
20	a,b	Providing and fixing Calling Bells with indicator light complete with pendant type switch.	5	Nos.		
21	a,c,d	Providing earthing Pits with 2 " Dia. 2Meter long GI pipes with flange & GI wires with Charcoal, Salt and as per standard practice for electrical connection. Rate shall be inclusive of all materials, labour etc & 10 mtrs 25x3 GI Strip per pit etc. complete .	6	Nos.		
21	b,c	Providing & Fixing Aluminium Dispersive Luminaries enamelled green and white with cast Aluminium flange and nipple suitable for use with GLS lamp, dome 12" diameter, with hanging bracket and 200W GLS lamp of Crompton or equivalent BAJAJ/PHILIPS make, complete	27	Nos.		
22	b,c,d	Providing & Fixing of outdoor Luminaries 70W HPSV with lamp of Crompton or equivalent BAJAJ/PHILIPS make, complete with integral choke ignitor box.	4	Nos.		
23	b,c,d	Wiring with 2.5 sq mm ISI mark copper wire for above in PVC conduit to be laid on wall surface /trusses along with 2 wire PN + GI earth wire inclusive of all material, labour etc. Complete.	27	Per Point		
24	c,d	Supplying & Fixing Wall Mounting type LIGHTING PANELS, each with : (1) Incoming MCB TPN - 32 Amps - 1No. (2) RCCB DP 32 Amps - 3Nos	2	Sets.		
		TOTAL VALUE OF SCHEDULE - C				

Note: 1 Quantities indicated per facility in Cloumn-B are not fixed for installation, Installation per Engineer incharge instruction.

2 Item No. 04 is estimated, shall be on actual required basis.

3 All small hardware material required for above installations shall be in Bidder's scope.

a is Quater 03nos for transit accommodation.

b is Site Office Space. 25x8mtrs

c is Covered Store 30x10mtrs

d is Open Store 50x40mtrs

Sub:- Development of infrastructure facilities at Muzaffarpur TPS pertaining to R & M of 2x110 MW, Unit 1&2 for KBUNL, Kanti, Bihar			NIT NO. PDX/MM&SC/MUZAFFARPUR/T-05
SUMMARY OF PRICE SCHEDULE			
S.No.	Price Schedule	Qoted Amount	
1	SCHEDULE - A		
2	SCHEDULE - B		
3	SCHEDULE - C		
TOTAL			

AMOUNT IN WORDS: Rs.