TENDER

TENDER NOTIFICATION NO. - FCX/19201010

FOR

Misc. Civil engineering works inside factory area.

PRICE BID

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

BHOPAL – 462 022 (M.P)

PREAMBLE OF PRICE BID

1.0 This Price Bid consists of Three Schedule:

1.1 Schedule A

Schedule A consists of Two Annexure:

Total price of the package combining Annexure I & Annexure II to be quoted by the bidders which shall form the basis for comparison for deciding lowest bid. For further processing and award, total quoted amount by the L1 (lowest) bidder for the package shall be used for deriving individual item rate by BHEL based on % (percentage) weightage specified at Annexure-I & Annexure II of Price Schedule.

1.2 Schedule B

It consists of details of free issue materials by BHEL.

1.3 Schedule C

It consists of details of tools & tackles provided by BHEL either on higher basis or on free of

2.0 The work to be carried out under the contract shall, except as otherwise provided in

3.0 The price bid should not contain any condition. Conditional price Bids shall be

4.0 The bidder should not leave any column blank in Price Schedules.

5.0 Price Quoted shall include all taxes, & duties except GST.

6.0 Unless otherwise specified in the items involving cement, reinforcement steel or

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NIT No: FCX/19201010
Price Schedule

Name of work: Misc. Civil engineering works inside factory area.

SUMMARY

Details ANNEXURE	Total Amount (Rs.)
Total of ANNEXURE (I) & ANNEXURE (II)	

Amount in words: Rs. ……

……..

Total price of the package combining Annexure -I & Annexure -II to be quoted by the bidders which shall form the basis of comparison for deciding lowest bid.

For further processing & award total quoted Amount for the package by the L1 (lowest) bidder shall be used for deriving Individual item rate by BHEL based on % (percentage) weightage specified at Annexure -I & Annexure -II of Price Schedule.

Seal & Signature of Contractor **Dy. Manager (FCX/PLG)**

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Price Schedule A : Annexure I

Name of work : Misc. Civil engineering works inside factory area.

S. No	Ref.	Description of items	Qty.	Unit	% Weightage of item amount against total amount
1		Carriage of material by Mechanical transport including, loading, unloading & stacking of..			
	1.1.1	Lime, moorum, building rubbish 1 km lead	10.00	cum	0.1790
	1.1.2	Earth - 1 Km lead	20.00	cum	0.4475
	1.1.11	Steel - 1 Km lead	2.00	tonne	0.0318
2		Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed :			
	2.1.1	All kinds of soil.	50.00	sqm	0.5118
3		Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.			
	2.8.1	All kind of soil	40.00	cum	1.4141
4	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	10.00	cum	0.2265
5		Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.			
	2.26.1	All kinds of soil.	1.00	cum	0.0094
6		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.			
	2.28.1	All kinds of soil	50.00	sqm	0.1264
7		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:**(cement which shall be supplied free of cost by BHEL)**			
	4.1.3	a) 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	10.00	cum	6.9637
	4.1.8	b) 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	5.00	cum	3.4175
8		Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor,etc., up to floor five level, excluding the cost of centering, shuttering and finishing **:(cement which shall be supplied free of cost by BHEL)**			

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	4.2.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	1.00	cum	0.9013
9		Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work upto plinth level. **(cement which shall be supplied free of cost by BHEL)**			
	5.1.2	a) 1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	5.00	cum	3.6437
	5.1.3	b) 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	20.00	cum	14.9537
10		Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement **:(Cement free issue by BHEL)**			
	5.2.3	1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	2.00	cum	1.8418
11	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).**(cement which shall be supplied free of cost by BHEL)**	2.00	cum	1.9228
12		Centering and shuttering including strutting, propping etc. and removal of form for :			
	5.9.1 ana*	a) Foundations, footings, bases of columns, etc. for mass concrete. **(Excluding the cost of material which shall be issued free of cost by BHEL)**	10.00	sqm	0.2408
	5.9.1	b) Foundations, footings, bases of columns, etc. for mass concrete.	20.00	sqm	0.8406
	5.9.2	c) Walls (any thickness) including attached pilasters, buttresses, plinth and string courses, etc.	10.00	sqm	0.7405
	5.9.3	d) Suspended floors, roofs, landings, balconies and access platform.	6.00	sqm	0.4886
	5.9.5	e) Lintels, beams, plinth beams, girders, bressumers and cantilevers.	5.00	sqm	0.3396
	5.9.6	f) Columns, pillars, piers, abutments, posts and struts.	5.00	sqm	0.4724
13	Ana. 5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. **(Reinforcement bars will be supplied free of cost from BHEL store)**. Thermo-Mechanically Treated bars.	100.00	Kg	0.2000

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S. No	Ref.	Description of items	Qty.	Unit	% Weightage of item amount against total amount
14	Ana. 5.22A.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. **(Reinforcement bars will be supplied free of cost from BHEL store).** Thermo-Mechanically Treated bars.	10.00	Kg	0.0200
15	Ana 6.15	Extra for providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third course of half brick masonry. **(Excluding cost of M.S. bars) (Reinforcement bars will be supplied free of cost from BHEL store).**	10.00	sqm	0.0011
16	6.25	Extra for laying brick work in or under foul position.	1.00	cum	0.0346
17		Coursed rubble masonry (second sort) with hard stone in foundation & plinth with **(Excluding the cost of cement and stone which shall be supplied free of cost by BHEL):-**			
	Ana 7.7.1	Cement mortar 1:6 (1 cement : 6 coarse sand).	5.00	cum	3.7225
18		Coursed rubble masonry (second sort) with hard stone in foundation & plinth with **(Excluding the cost of cement which shall be supplied free of cost by BHEL):-**			
	7.7.1	Cement mortar 1:6 (1 cement : 6 coarse sand).	4.00	cum	1.9979
19	8.2	Providing and fixing 18 mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1 : 4 (1 cement : 4 coarse sand) joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.**(Excluding the cost of cement which shall be supplied free of cost by BHEL):**-			
	8.2.2	Granite of any colour and shade **Note: The colour of granite shall be zed black. Contractors are advised to see the sample lying at divisonal office of FCX before quoting their rates.**			
	8.2.2.2	Area of slab over 0.50 sqm	10.00	sqm	7.0521
20	9.119	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge. **(Sample is to be got approved before fixing)**	5.00	metre	0.4673

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21		Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing. **(Sample is to be got approved before fixing)**			
	9.120.2	30 mm thick pre laminated PVC door shutters	2.00	sqm	1.1536
22	Ana. 10.1	Structural steel work in single section fixed without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.**(Structural steel & primer will be issued free of cost from BHEL stores)**.	200.00	Kg	0.4298
23		Structural steel work riveted ,bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.**(Structural steel & primer will be issued free of cost from BHEL stores**).	500.00	Kg	1.7636
24	11.4	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener concrete consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume. Hardening compound is mixed @ 2 litre per 50 kg of cement or as per manufactures specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete**.(Excluding cost of cement which shall be supplied free of cost by BHEL)**	5.00	sqm	0.3797

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S. No	Ref.	Description of items	Qty.	Unit	% Weightage of item amount against total amount
25	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 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 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**.(excluding cost of cement which shall be supplied free of cost by BHEL)**	10.00	sqm	1.5920
26	11.37	Providing and laying Ceramic glazed 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 20mm thick Cement Mortar 1:4 (1 cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc. complete.**(Excluding the cost cement which shall be supplied free of cost by BHEL):-**	10.00	sqm	1.6242
27	**	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc. complete.**:.(Excluding cost of cement which shall be supplied free of cost by BHEL)**			
	11.41.2	Size of Tile 600x600 mm	10.00	sqm	2.9878
28	11.42	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles. **(Excluding cost of cement which shall be supplied free of cost by BHEL)**	10.00	sqm	-0.7742
29	11.43	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.	10.00	sqm	0.8718
30	**	12 mm cement plaster of mix:**(excluding cost of cement which shall be supplied free of cost by BHEL**)			
	13.4.2	1 : 6 (1 cement : 6 coarse sand) .	25.00	sqm	0.6703
31	**	15 mm cement plaster on rough side of single or half brick wall of mix:**(excluding cost of cement which shall be supplied free of cost by BHEL**)			
	13.5.2	1 : 6 (1 cement : 6 coarse sand).	25.00	sqm	0.7727
32	**	20 mm cement plaster of mix:**(excluding cost of cement which shall be supplied free of cost by BHEL)**			
	13.6.2	1 : 6 (1 cement : 6 coarse sand).	10.00	sqm	0.3662

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S. No	Ref.	Description of items	Qty.	Unit	% Weightage of item amount against total amount
33	**	6 mm cement plaster of mix:**(excluding cost of cement which shall be supplied free of cost by BHEL)**			
	13.16	1 : 3 (1 cement : 3 fine sand).	5.00	sqm	0.1073
34	**	Neat cement punning**.(excluding cost of cement which shall**			
	13.18	**be supplied free of cost by BHEL)**	5.00	sqm	0.0248
35	**	Pointing on stone work with cement mortar 1 : 3 (1 cement : 3 fine sand):**(excluding cost of cement which shall be supplied free of cost by BHEL**)			
a)	13.33.1	Flush / Ruled pointing.	5.00	sqm	0.1380
b)	13.33.2	Raised and cut pointing.	5.00	sqm	0.2536
36		Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.**(Paint free issue from BHEL store.)**			
	Ana. 13.61.1	Two or more coats on new work.	50.00	sqm	0.4791
37	**	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts embedding hold fasts in cement concrete blocks with cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete including disposal of rubbish to the dumping ground within 50 metres lead:**(excluding cost of cement which shall be supplied free of cost by BHEL)**			
a)	14.2.1	Door chowkhats.	2.00	each	0.3021
38		Painting with synthetic paint of approved brand and manufacture of required colour to give an even shade:**(Synthetic paint free issue by BHEL store)**			
	Ana 14.54.1	One or more coats on old work.	10.00	sqm	0.0653
39		Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge:			
a)	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	10.00	cum	1.8138
b)	15.2.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	5.00	cum	0.5590
40	15.3	Demolishing RCC 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.	5.00	cum	1.3230

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S. No	Ref.	Description of items	Qty.	Unit	% Weightage of item amount against total amount
41		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 :			
	15.7.4	In cement mortar.	5.00	cum	0.7657
42		Demolishing stone rubble masonry 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:			
	15.9.2	In cement mortar	5.00	cum	0.9136
43		Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts, etc. complete and stacking within 50 metres lead:			
	15.12.1	a) Of area 3 sqm and below.	2.00	each	0.0550
	15.12.2	b) Of area beyond 3 sqm.	2.00	each	0.0756
44		Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead:			
	15.13.1	a) Of area 3 sqm and below.	2.00	each	0.0215
	15.13.2	b) Of area beyond 3 sqm.	2.00	each	0.0284
45		Dismantling steel work in single sections including dismembering and stacking within 50metres lead in:			
	15.17.1	a) R.S. Joists	50.00	kg	0.0128
	15.17.2	b) Channels, angles, tees and flats	50.00	kg	0.0088
46	15.19	Dismantling steel work manually / by mechanical means in built up sections without dismembering and stacking within 50 meters lead. as per direction of Engineer-in-charge.	500.00	Kg	0.1419
47		Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50metres lead:			
	15.23.1	a) For thickness of tiles 10 mm to 25 mm.	10.00	sqm	0.0549
48	15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	50.00	sqm	0.9960
49	15.36	Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 metres lead.	40.00	kg	0.1097
50		Dismantling 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.			
	15.43.1	a) Water bound macadam road	5.00	sqm	0.0834
	15.43.2	b) Bituminous road	10.00	sqm	0.3242
51		Supplying and stacking at site:			
	16.3.1	a) 90 mm to 45 mm size stone aggregate.	4.00	cum	1.0464
	16.3.2	b) 63 mm to 45mm size stone aggregate.	2.00	cum	0.5696

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S. No	Ref.	Description of items	Qty.	Unit	% Weightage of item amount against total amount
	16.3.6	c) Stone screening 13.2 mm nominal size (Type A)	1.00	cum	0.3459
	16.3.10	d) Moorum.	1.00	cum	0.1621
52	Ana. 16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm. depth(which shall be paid separately) , dressing to camber and consolidating with road roller including making good the undulations, etc. and re-rolling the sub grade and disposal of surplus earth lead upto 50 metres.**(Excluding cost of excavation)**	10.00	sqm	0.0088
53	16.4	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density .	5.00	cum	0.4462
54	Ana 16.18.1	Fencing with angle iron post placed at required distance embedded in cement concrete blocks and every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only, provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire 9.38 kg per 100 metres (minimum) between the two posts fitted and fixed with G.I. staples etc. complete.(cost of posts, struts, earth work and concrete work to be paid for separately):Payment to be made per metre cost of total length of barbed wire used.**(Excluding cost of barbed wire which shall be supplied free of cost by BHEL)**	50.00	Metre	0.0264
55		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:**(Excluding the cost of PVC automatic flushing cistern which shall be paid separately & Cement which shall be supplied free of cost by the department.**			
	Ana 17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.	1.00	each	0.6893
56		Providing and fixing white vitreous china pedestal type water closet (European type WC pan) with seat and lid, 10 litre low level white PVC flushing cistern with manually controlled device (handle lever) , conforming to IS : 7231 , with all fittings & fixtures complete including cutting and making good the walls and floors wherevere required**.(Cement which shall be supplied free of cost by the department.**			
	Ana 17.2.2	W.C. pan with ISI marked black solid plastic seat and lid.	1.00	each	0.5094

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S. No	Ref.	Description of items	Qty.	Unit	% Weightage of item amount against total amount
57		Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : **(Excluding the cost of PVC automatic flushing cistern).**			
	Ana 17.5.1	Single half stall urinals with 5 litre P.V.C. automatic flushing cistern.	1.00	each	1.1156
58		Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS :7231, with all fittings and fixtures complete.			
	17.18.2	10 litre capacity - coloured.	1.00	each	0.1947
59	** 18.77	Cutting holes up to 15x15 cm in RCC floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including finishing complete so as to make it leak proof.**(excluding cost of cement which shall be supplied free of cost by BHEL)**	3.00	each	0.1136
60		Grading roof for water proofing treatment with:**(excluding cost of cement which shall be supplied free of cost by BHEL)**			
	22.14.1	a) Cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	2.00	cum	1.4400
	22.14.2	b) Cement mortar 1 : 3 (1 cement : 3 coarse sand)	2.00	cum	2.3243
				Total :	82.6963

Seal & Signature of Contractor **Dy. Manager (FCX/PLG)**

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Price Schedule A : Annexure II

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S. No	Description of items	Qty.	Unit	% Weightage of item amount against total amount
1	Providing and fixing 15 mm thick acid and /or alkali resistant tiles of approved make and colour using acid and /or alkali resisting mortar bedding and joints filled with acid and /or alkali resisting cement as per IS : 4457 complete as per the direction of Engineer-in-charge:			
	In flooring on a bed of 10 mm thick mortar 1 : 4 (1 Acid and /or alkali proof cement : 4 coarse sand).			
	Acid and /or alkali resistant tile.	5.00	sqm	2.1023
	In dado / skirting on 12 mm thick mortar 1 : 4 (1 Acid and /or alkali proof cement : 4 coarse sand).			
	Acid and /or alkali resistant tile.	2.00	sqm	0.8636
2	Brick work with Ghol bricks of class designation 50 and above in foundation and plinth in cement mortar 1:6 (1 cement : 6 coarse sand) :**(Cement free issue by the Deptt.)**	2.00	cum	3.0000
3	Brick work with Ghol bricks of class desingnation 50 and above in superstructure above plinth level up to floor V level in all shapes and sizes in cement mortar 1:6 (1 cement : 6 coarse sand).**(Cement free issue by the Deptt.)**	5.00	cum	8.1723
4	Half brick masonry with Ghol bricks of class designation 50 and above in foundations and plinth in:Cement mortar 1 : 4 (1 cement : 4 coarse sand) . **(Cement free issue by the Deptt.)**	2.00	sqm	0.3333
5	Half brick masonry with Ghol bricks of class designation 50 and above in superstructure above plinth level up to floor V level:Cement mortar 1 : 4 (1 cement : 4 coarse sand) . **(Cement free issue by the Deptt.)**	2.00	sqm	0.3182
6	Supplying and filling in plinth with stone dust under floors, including watering, ramming, consolidating and dressing complete.	5.00	cum	0.9989
7	40 mm thick fine dressed stone flooring over 20 mm (average) thick moorum base with joints finished flush in cement mortar 1:5 (1 cement : 5 coarse sand).**(excluding cost of cement and sand stone which shall be supplied free of cost by BHEL)**			
	Red sand stone.	30.00	sqm	1.5151
			Total :	17.3037
	Total of ANNEXURE (I) & ANNEXURE (II)			100.0000

Seal & Signature of Contractor **Dy. Manager (FCX/PLG)**

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

NIT No: FCX/19201010

Price Schedule B

Name of work : Misc. Civil engineering works inside factory area.

The following material free issue from BHEL stores.

1 Cement
2 Reinforcement Steel.
3 Structural steel
4 Red oxide zinc chromate primer
5 Synthetic enamel paint
6 Red sand stone against item no 7 of Annexure-II
7 A.C. Sheets / Non-A.C. Sheets
8 Barbed wire

Seal & Signature of Contractor **Dy. Manager (FCX/PLG)**

Price Schedule C

Name of work : Misc. Civil engineering works inside factory area.

1 Electricity charges at Rs.66.00/- per M.T. of fabrication of structural steel

Hire charges.

i) Drill machine @ 252.00/- per day
ii) Jack Hammer @108.00/- per day

(Subject to availability)

Drill machine/jack hammer rod Rs. 100.00 per rod

Seal & Signature of Contractor **Dy. Manager (FCX/PLG)**