

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-06/16-17, Dt: 09.06.2016

PRICE BID

Item no.: 1

**Name of work:- Modification of compound wall near 28 stores area.**

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
1	<b>Dismantling brick masonry</b> walls for all heights, removing and clearing the debris and carting away upto to lead of 2 KM including loading, unloading and spreading segregating useful materials as directed by Engineer-in-charge including the cost of all labour scaffolding etc., complete.	104.00	Cu.m	641.75	66,742.00
2	<b>Dismantling CRS masonry</b> walls at all heights, removing and clearing the debris and carting away upto to lead of 2 KM including loading, unloading and spreading, segregating useful materials as directed by Engineer-in-charge including the cost of all labour scaffolding etc., complete.	139.00	Cu.m	751.20	1,04,416.80
3	<b>Dismantling PCC/RCC work</b> by mechanical means and stockpiling at designated locations and disposal of dismantled materials upto a lead of 2.00 KM, stacking serviceable and unserviceable material separately including cutting reinforcement bars - jalle blocks of 300 x 200 x 200 mm size and handing over to stores.	7.00	Cu.m	1,054.10	7,378.70
3a	<b>Earth work in excavation in all soils</b> by mechanical means (Hydraulic Excavators) / manual means in foundations trenches or drains (not exceeding 1.5m in width or 10 Sq.m on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed , within a lead of 50M.	500.00	Cu.m	130.80	65,400.00
b	----do---- up to First additional depth of 1.50 M to 3.00 M.	500.00	Cu.m	165.40	82,700.00
c	----do---- up to First additional depth of 3.00 M to 3.50 M.	235.00	Cu.m	200.00	47,000.00
d	----do---- up to First additional depth of 3.00 M to 3.50 M.	338.00	Cu.m	234.60	79,294.80
4	Providing and laying in position <b>cement concrete</b> of specified grade excluding the cost of centering and shuttering including consolidation by vibrations <b>for all works up to plinth level</b> with <b>1:4:8</b> (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size ) - <b>The cement will be issued free of cost by BHEL at BHEL stores.</b>	20.00	Cu.m	2,606.00	52,120.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
5	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering ,shuttering, finishing and reinforcement ,including consolidation by vibrations for all works <b>up to plinth level</b> with <b>1:1½ :3</b> (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size ). <b>The cement will be issued free of cost by BHEL at BHEL stores.</b>	88.50	Cu.M	2,772.00	2,45,322.00
6	Providing and laying in position <b>cement concrete</b> of specified grade excluding the cost of centering and shuttering including consolidation by vibrations for all works <b>up to plinth level</b> with <b>1:2:4</b> ( cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size ). <b>The cement will be issued free of cost by BHEL at BHEL stores.</b>	18.00	Cu.m	2,656.00	47,808.00
7	<b>Coursed rubble masonry</b> in second sort with hard stone in foundation & plinth with cement mortar 1:6 (1 cement :6 coarse sand). <b>The cement will be issued free of cost by BHEL at BHEL stores.</b>	120.00	Cu.m	2,819.70	3,38,364.00
8	<b>Centering</b> and shuttering including strutting, propping etc.; and removal of form work, for Foundations(Raft), footings, bases of columns, etc. for mass concrete etc. <b>upto plinth level.</b>	921.00	Sq.M	166.90	1,53,714.90
9	<b>Reinforcement for R.C.C. work</b> including straightening , cutting , bending , placing in position and binding grills with binding wire all complete by cold twisted bars. - <b>The steel will be issued free of cost by BHEL at their Stores.</b>	8.00	M.T	7,369.00	58,952.00
10	<b>Brick work</b> with FPS bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in cement mortar 1:6. <b>The cement will be issued free of cost by BHEL at BHEL stores.</b>	107.00	Cu.m	3,513.00	3,75,891.00
11	Plastering in <b>CM 1:6 , 20 mm</b> thick to internal and external surfaces of walls including the cost of all materials , labour , curing etc., complete -Upto 10.00 M level. <b>The cement will be issued free of cost by BHEL at BHEL stores.</b>	1,200.00	Sq.m	124.00	1,48,800.00
12	Pointing of stone work with <b>CM 1:3</b> (1cement: 3 fine sand)- raised and cut pointing. <b>The cement will be issued free of cost by BHEL at BHEL stores.</b>	170.00	Sq.m	190.60	32,402.00
13	<b>Filling</b> with available excavated earth (excluding rock) in trenches , plinth , sides of foundations etc. in layers not exceeding 20 cm in depth , consolidation each deposited layer by ramming and watering , lead upto 50.00 m and lift upto 1.50 m.	710.00	Cu.M	83.80	59,498.00
14	<b>Conveyance</b> of excavated spoil up to a lead of 2 Kms, including loading, unloading and spreading etc. complete as directed by Engineer- in- charge.	100.00	Cu.M	93.94	9,394.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
15a	<b>Fabrication of structural steel</b> work including all materials going into the process of fabrication and forming an integral part of steel work together with all shop and site rivets and electrodes for site welding as necessary and all site connections comprising sag rods, floor beams, girders, bracings, trusses and frame work for fixed false ceiling and for movable false ceiling, purlins with channel / angles, MS flat supports including all connections as per detailed drawings connected steel works etc., cleats, gusset plates, all bolts, nuts, washers, base plates, anchor bolts as per detailed drawings, cutting, welding and painting 2 coats of red-oxide primer before erection etc., complete. The rate shall include painting 2 coat of Red-oxide as per IS specifications and all charges for handling, leading and loading at the fabrication yard. The raw structural steel sections, electrodes, gasses will be issued by BHEL on FREE of cost at their stores.	1.50	MT	8,871.00	13,306.50
b	<b>Erection of Steel work</b> out lined in item No.7a above including the charges for handling, leading and stacking at site at approved locations prior to erection including all site rivetting, bolting, jointing and site welding where ever required etc. complete all as directed by Engineer-in-charge.	1.50	MT	3,802.00	5,703.00
c	Painting at site of all structural steel work with 2 coats of aluminium paint / synthetic enamel paint of approved shade to trusses, columns, girders, bracings etc., with aluminium paint or synthetic enamel paint as required etc., complete. <b>The required paint only will be issued free of cost by BHEL at BHEL stores.</b>	1.50	MT	696.07	1,044.11
16	<b>Applying exterior emulsion paint two coats</b> over one coat of primer of given shade on old / new external plastered surfaces of walls at all heights of the building including scraping the old surfaces, cost of all labour and other incidentals. <b>(Only exterior emulsion paint will be supplied by BHEL on free of cost and primer has to be supplied by the contractor).</b>	1,200.00	Sq.m	100.00	1,20,000.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
17	<b>Providing and fixing concertina coil fencing</b> with punched tape concertina coil 600 mm dia 10 metre openable length (Total length 90M), having 50No.s rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4M or 3.00 m apart and with 9 horizontal RBT reinforced barbed wire, stud tied with GI staples and GI clips to retain horizontal , including necessary bolts or GI barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape (RBT) / Spring Core (2.5mm thick) wire of high tensile strength of 165 Kg/Sq.mm with tape (0.52mm) and weight 43.478 gm/Metre(Cost of MS angle , CC blocks shall be paid separately).	170.00	RM	269.20	45,764.00
18	Earth work excavation and conveyance of excavated spoil up to a lead of 2 Kms, including loading , unloading and spreading etc. complete as directed by Engineer- in- charge.	440.00	Cu.m	197.74	87,005.60
19	<b>Random rubble masonry</b> with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12(1 cement :12 graded stone) up to plinth level with cement mortar 1:6.(1 cement:6 coarse aggregate). <b>The cement will be issued free of cost by BHEL at BHEL stores.</b>	58.00	Cu.m	2,624.00	1,52,192.00
20	Supplying and fixing plain PVC pipe of 110 mm dia of 6 kg's/cm <sup>2</sup> of approved quality with specials, accessories and approved sealing /jointing compound on the exterior of the inserted portion of the fitting and fixing in position and joining to MS gutters, including cost of all materials, sealing compound, labour etc., for all heights complete.	30.00	RM	342.50	10,275.00
<b>Total Value of work</b>				₹	<b>24,10,488.41</b>

**Note:**

1	A penalty of 0.5% of the gross value of work will be levied for every week's delay of work or part thereof subject to a maximum penalty of 10% of the gross value of work executed after the period of completion.
2	The rates are inclusive of all taxes and duties except Service tax, swatch bhara tax which is extra as per service tax norms will be paid by BHEL to the agency after submission of necessary documents.

**Note :** The bidders are required to quote the tender value on percentage (%) basis at excess or less or on par with estimate value in figures and words.

Tender %	In figure	In words
Excess		
Less		
Estimated value		