



**GREATER CHENNAI CORPORATION
BUILDINGS DEPARTMENT**

SCHEDULE OF RATES 2020-2021 WITH EFFECT FROM

SORCODE	SOR DESCRIPTION	UNIT	North Region Rate(Rs.)	Central Region Rate(Rs.)	South Region Rate(Rs.)
BD-300	Cutting and clearing heavy jungle.	1sq.m.	6.49	6.49	6.49
BD-301	Cutting and clearing light jungle.	1sq.m.	4.84	4.84	4.84
BD-302	Cutting and Clearing scrub jungle.	1sq.m.	4.51	4.51	4.51
BD-302B	Cutting and clearing jule flora jungle with uprooting.	1sq.m.	7.37	7.37	7.37
BD-302C	Cutting and clearing jule flora jungle without uprooting.	1sq.m.	5.61	5.61	5.61
BD-303	Uprooting and removing large palmyrah stumps (girth)1m.above and stacking at the site etc., complete.	1No.	132.77	132.77	132.77
BD-304	Uprooting and removing small palmyrah stumps (girth) below 1m.and stacking at the site,etc., complete.	1No.	95.37	95.37	95.37
BD-305	Removal of notches, goobi,thooti,etc.,from drains and channels and clearing from the site.	1sq.m.	1.76	1.76	1.76
BD-311	Dismantling the existing Brick or Stone in clay walls under 3M high including carefully clearing the debris etc., complete.	1cu.m.	56.65	56.65	56.65
BD-311A	Dismantling Brick or stone in clay walls,add for every additional 3 metres or part there of over the initial height 3 metres including carefully clearing the debris etc.,complete.	1cu.m.	18.81	18.81	18.81
BD-313	Dismantling the existing brick or stone masonry work in lime mortar under 3M high including carefully clearing the debris etc., complete.	1cu.m.	173.25	173.25	173.25
BD-313A	Dismantling Brick or stone massonry in lime mortar walls,add for every additional 3 metres or part there of over the initial height 3 metres,including carefully clearing the debris etc.,complete.	cu.m.	19.14	19.14	19.14

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BD-315	Dismantling the existing brick or stone masonry work in cement mortar under 3m high including carefully clearing the debris etc.,complete.	1cu.m.	212.30	212.30	212.30
BD-315A	Dismantling brick or stone massonry in cement mortar walls addfor every additional 3 metres or part there of over the initial height of 3 metres.	1cu.m.	22.44	22.44	22.44
BD-317	Dismantling Madras terracerroof carefully excluding removal of wooden members and including clearing debrisetc., complete.	1sq.m.	57.53	57.53	57.53
BD-318	Dismantling R.C.C.works,carefully clearing away the debris as directed during execution.	1cu.m.	5549.50	5549.50	5549.50
BD-319	Dismantling flag stones in roof or floor including lifting and stacking at thesite as directed during execution.	1sq.m.	30.36	30.36	30.36
BD-321A	Dismantling Floor finish and daddoing walls in cement mortar with mosaic tiles/glazed tiles/cuddapah slabs.	1sq.m.	45.76	45.76	45.76
BD-323A	Dismantling Mosaic in situ finish in cement mortar in flooring and walls surface.	1sq.m.	47.52	47.52	47.52
BD-325	Removing pan tiled or mangalore tiled roofs without roof timbers stacking at the site as directed during the execution.	1sq.m.	14.96	14.96	14.96
BD-325A	Dismantling one course of pressed tile roof finish in cement mortar.	1sq.m.	19.14	19.14	19.14
BD-325B	Dismantling Pressed tiles and weathering course.	1sq.m.	34.54	34.54	34.54
BD-327	Removing flat and pan tile or mangalore tiles over flat tiles without roof timbers stacking at the site as directed during execution	1sq.m.	20.90	20.90	20.90
BD-328A	Dismantling One course of terrace bricks roof finish in cement mortar.	1sq.m.	22.44	22.44	22.44
BD-330A	Dismantling Two course of flat tiles finished in cement mortar.	1sq.m.	22.44	22.44	22.44
BD-331A	Removing asbestos cement sheet roof without roof timbers.	1sq.m.	13.31	13.31	13.31

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BD-331B	Dismantling corrugated iron sheet roofing with pan tiles over without roof timbers.	1sq.m.	22.44	22.44	22.44
BD-332	Removing of old thatched roof including tying the materials into small bundles for reuse,etc., complete.	1sq.m.	6.49	6.49	6.49
BD-333	Removing carefully wrought and framed timbers in roof stacking at the site as directed during execution.	1cu.m.	556.60	556.60	556.60
BD-335	Removing the existing ventilators,doors and windows including removal of frames, hinges and fastenings carefully and stacking the same at site etc., complete.	1sq.m.	115.17	115.17	115.17
BD-337	Dismantling of dry stones apron or revetments stacking with in 40m lead etc.complete.	1cu.m.	98.67	98.67	98.67
BD-338	Dismantling of grouted stones apron or revetment stacking with in 40m lead etc.complete.	1cu.m.	115.17	115.17	115.17
BD-339	Dismantling plain cement concrete work and clearing the debris etc., complete.	1cu.m.	365.20	365.20	365.20
BD-340	Dismantling the plain lime concrete and clearing the debris etc., complete.	1cu.m.	266.20	266.20	266.20
BD-341	Removing of lime plastering from walls, clearing away debris as directed during execution.	1sq.m.	6.05	6.05	6.05
BD-342	Removing of cement plaster from walls,clearing away debris as directed during execution.	1sq.m.	6.38	6.38	6.38
BD-343	Clean removal of lime plaster from walls and raking out joints 20mm deep or from terraced roofs and raking out joints 12mm deep,etc.,complete.	1sq.m.	7.81	7.81	7.81
BD-344	Clean removal of cement plaster from walls and racking out joints 20mm deep.etc., complete.	1sq.m.	8.47	8.47	8.47
BD-345	Carting away the surplus earth and debris to a lead of 1km including Loading, unloading and dumping in the Corporation land as directed during the execution.	1cu.m.	86.40	86.40	86.40

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BD-346	Carting away the surplus earth and debris to a lead of 2km.including Loading, unloading and dumping in the Corporation Land as directed during execution.	1cu.m.	96.80	96.80	96.80
BD-347	Carting away the surplus earth and debris to a lead of 3km.including Loading, unloading and dumping in the Corporation Land as directed during execution.	1cu.m.	107.20	107.20	107.20
BD-348	Carting away the surplus earth and debris to a lead of 4km.including Loading, unloading and dumping in the Corporation Land as directed during the execution.	1cu.m.	117.60	117.60	117.60
BD-349	Carting away the surplus earth and debris to a lead of 5kgm.including Loading, unloading and dumping in the Corporation Land as directed during the execution.	1cu.m	128.00	128.00	128.00
BD-350	Carting away the surplus earth and debris to a lead of 6km.including Loading, unloading and dumping in the Corporation Land as directed during the execution	1cu.m	138.40	138.40	138.40
BD-351	Carting away the surplus earth and debris to a lead of 7km.including Loading, unloading and dumping in the Corporation Land as directed during the execution.	1cu.m.	148.80	148.80	148.80
BD-352	Carting away the surplus earth and debris to a lead of 8km.including Loading, unloading and dumping in the Corporation Land as directed during the execution.	1cu.m.	159.20	159.20	159.20
BD-353	Carting away the surplus earth and debris to a lead of 9km.including Loading, unloading and dumping in the Corporation Land as directed during the execution.	1cu.m.	169.60	169.60	169.60
BD-354	Carting away the surplus earth and debris to a lead of 10km.including Loading, unloading and dumping in the Corporation Land as directed during the execution.	1cu.m.	180.00	180.00	180.00

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BD-355	Carting away the surplus earth and debris to a lead of 11km.including Loading, unloading and dumping in the Corporation Land as directed during the execution.	1cu.m.	188.90	188.90	188.90
BD-355A	Carting away the surplus earth/debris to a lead of 12km.including Loading, unloading and dumping in the Corporation Land as directed during execution	1cu.m.	197.80	197.80	197.80
BD-355B	Carting away the surplus earth/debris to a lead of 16km. including Loading, unloading And dumping in the Corporation Land as directed during execution.	1cu.m.	233.40	233.40	233.40
BD-356	Earth work excavation for foundation in all kinds soils in varying depths including dismantling any masonry or roots met within foundation and shoring with planks, baling water if necessary and filling the sides with excavated earth including clearing and levelling site etc., complete with an initial lead of 10m.and lift of 2m	1cu.m.	195.54	195.54	195.54
BD-357	Earth work excavation for foundation in all kinds of soils in varying depths including dismantling any masonry or roots met within foundation and shoring with planks and baling water if necessary including clearing and levelling the site etc.,and excluding refilling, complete with an initial lead of 10m and lift of 2m	1cu.m.	184.80	184.80	184.80
BD-357A	Earth work excavation for foundation in all kinds of soils in varying depths including dismantling any masonry or roots met within foundation, shoring with planks and baling water if necessary, clearing, levelling the site etc.,complete with initial lead of 10 metre and lift of 2 metre for wide trenches,such as septic tank, effluent tank, etc.,	1cu.m.	92.40	92.40	92.40

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BD-358	Extra lead for earth work excavation for every additional 10m or part there of over initial lead	1cu.m.	11.22	11.22	11.22
BD-359	Extra lift for earth work excavation for every additional 1m or part there of over initial lift	1cu.m.	8.91	8.91	8.91
BD-360	Refilling with excavated sand in regular layers of 15cm thick each including carefully ramming, watering consolidating, etc., complete for foundation and basement.	1cu.m.	28.27	28.27	28.27
BD-361	Refilling with excavated earth in regular layers of 15cm thick each including carefully ramming, watering, consolidating, etc., complete for foundation and basement.	1cu.m.	32.23	32.23	32.23
BD-362	Supplying clean Karanodai sand and filling in regular layers of 15cm thick each including watering, consolidating etc. complete for foundation, basement, etc.	1cu.m.	1811.61	1689.38	1547.97
BD-362A	Supplying stone dust and filling in regular layers of 15cm thick including watering, consolidating etc. complete for foundation, basement, etc..	1cu.m.	681.71	559.48	418.07
BD-363	Supplying and filling with earth up to 2 Km. for foundation and basement, etc., including watering and consolidating, etc., complete	1cu.m.	237.03	237.03	237.03
BD-363A	Supplying and filling with earth up to 5 Km. for foundation and basement, etc., including watering and consolidating, etc., complete	cu.m.	268.23	268.23	268.23
BD-363B	Supplying and filling with earth up to 10 Km. for foundation and basement, etc., including watering and consolidating, etc., complete	cu.m.	320.23	320.23	320.23
BD-363C	Supplying and filling with earth up to 20 Km. for foundation and basement, etc., including watering and consolidating, etc., complete	cu.m.	409.23	409.23	409.23

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BD-363D	Supplying and filling with earth up to 30 Km. for foundation and basement,etc.,including watering and consolidating,etc.,complete	cu.m.	485.93	485.93	485.93
BD-364	Earth work open well excavation complying with relevant clauses of T.N.S.S. "well sinking" and with a lead upto 10m in sand,silt or other loose soil,wet sand or silt not under water, light black cotton soil,sandy loam and ordinary soil,etc., for first depth of 2m	1cu.m.	61.71	61.71	61.71
BD-365	Earth work open well excavation complying with relevant clausesof T.N.S.S. "well sinking" and with a lead upto 10m in sand,silt or other loose soil,wet sand or silt not under water light blackcotton soil,sandy loam and ordinary soil etc.,for second depth of 2m	1cu.m.	167.60	167.60	167.60
BD-366	Earth work open well excavation complying with relevant clausesof T.N.S.S. "well sinking" and with a lead upto 10m in sand,siltor other loose soil, wet sand or silt not under water, light black cotton soil, sandy loam and ordinary soil etc.,for third depth of 2m.	1cu.m.	251.40	251.40	251.40
BD-367	Earth work open well excavation complying with relevant clausesof T.N.S.S. well sinking and with a lead upto 10m in sand,silt or other loose soil,wet sand or silt not under water, light black cotton soil,sandy loam and ordinary soil etc.,for fourth depth of 2m	1cu.m.	335.20	335.20	335.20
BD-368	Earth work open well excavation complying with relevant clauses of T.N.S.S."well sinking" and with a lead upto 10m in sand,silt or other loose soil,wet sand or silt not under water, light black cotton soil,sandy loam and ordinary soil etc.,for fifth depth of 2m	1cu.m.	419.00	419.00	419.00

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BD-369	Earth work open well excavation complying with relevant clauses of T.N.S.S. "well sinking" and with a lead upto 10m in sand, silt or other loose soil, wet sand or silt not under water, light black cotton soil, sandy loam and ordinary soil etc., for sixth depth of 2m	1cu.m.	502.80	502.80	502.80
BD-394	Sinking of wells below water level in sand or loose soils, silt, light black cotton soil etc., including all incidental charges such as baling, pumping and special tools and plant charges etc., complete	1cu.m.	134.31	134.31	134.31
BD-395	Sinking of wells below water level in Hard stiff clay, stiff black cotton soil, hard red earth, shales, etc., including all incidental charges such as baling, pumping and special tools and plants charges, etc., complete	1cu.m.	134.31	134.31	134.31
BD-401	Grinding mortar	1cu.m.	232.10	232.10	232.10
BD-402	Mixing mortar.	1cu.m.	95.70	95.70	95.70
BD-403	Lime mortar 1::1.5 (1 lime and 1.5 sand)	1cu.m.	2688.00	2593.00	2491.00
BD-404	Lime mortar 1:2 (1 lime and 2 Crushed Stone Sand (Commercially called M-Sand))	1cu.m.	2517.00	2415.00	2303.00
BD-405	Cement mortar 1:1.5 (1 cement and 1.5 Crushed Stone Sand (Commercially called M-Sand).)	1cu.m.	7586.00	7463.00	7322.00
BD-406	Cement mortar 1:2 (1 cement and 2 Crushed Stone Sand (Commercially called M-Sand).)	1cu.m.	6159.00	6037.00	5895.00
BD-406A	Cement mortar 1:2 (1 part of cement and 2 part of crushed quarry dust)	1cu.m.	5029.00	4907.00	4765.00
BD-407	Cement mortar 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand))	1cu.m.	4732.00	4610.00	4468.00
BD-407A	Cement mortar 1:3 (1 part of cement and 3 part of crushed quarry dust)	cu.m.	3602.00	3480.00	3338.00
BD-408	Cement mortar 1:4 (1 cement and 4 Crushed Stone Sand (Commercially called M-Sand))	1cu.m.	4019.00	3896.00	3755.00

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BD-408A	Cement mortar 1:4 (1 part of cement and 4 part of crushed quarry dust)	cu.m.	2889.00	2767.00	2625.00
BD-409	Cement mortar 1:5 (1 cement and 5 Crushed Stone Sand (Commercially called M-Sand)).	1cu.m.	3591.00	3468.00	3327.00
BD-409A	Cement mortar 1:5(1 part of cement and 5 part of crushed quarry dust)	1cu.m.	2461.00	2338.00	2197.00
BD-410	Cement mortar 1:6 (1 cement and 6 Crushed Stone Sand (Commercially called M-Sand)).	1cu.m.	3305.00	3183.00	3042.00
BD-411	Cement mortar 1:8 (1 cement and 8 Crushed Stone Sand (Commercially called M-Sand)).	1cu.m.	2949.00	2826.00	2685.00
BD-411B	Vibration charges for cement concrete for mass concrete using needle vibrator.	1cu.m.	57.64	57.64	57.64
BD-411C	Vibration charges for cement concrete for RCC works using needle vibrator.	1cu.m.	77.77	77.77	77.77
BD-412	Extra lift charges for concrete work in ground floor(i.e 1m high above ground level.)	1cu.m.	98.89	98.89	98.89
BD-413	Extra lift charges for concrete work in first floor	1cu.m.	275.89	275.89	275.89
BD-414	Extra lift charges for concrete work in second floor.	1cu.m.	452.89	452.89	452.89
BD-415	Extra lift charges for concrete work in third floor.	1cu.m.	629.89	629.89	629.89
BD-416	Extra lift charges for concrete work in fourth floor.	1cu.m.	806.89	806.89	806.89
BD-416A	Addl.charges for concrete work upto 4.5m depth.(i.e.beyond 1.5m upto 4.5m depth from ground level.)	1cu.m.	97.35	97.35	97.35
BD-416B	Additional charges for concrete work beyond 4.5m depth below G.L.and upto 9.0m depth from ground level.	1cu.m.	195.36	195.36	195.36
BD-416C	Additional extra rate for concrete work for every addl.4.5m depth beyond 9.0m depth from ground level.	1cu.m.	195.36	195.36	195.36

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BD-417	Plain Cement concrete work 1:5:10 (1 cement,5 Crushed Stone Sand (Commercially called M-Sand) and 10 blue granite broken stone jelly 40mm gauge) including consolidation,curing,etc., complete for foundation,etc.,upto basement	1cu.m.	4758.00	4592.00	4402.00
BD-417A	Cement concrete work 1:5:10 (1 cement,5 parts of crushed stone sand and 10 blue granite broken stone jelly 40mm gauge) including consolidation,curing,etc., complete for foundation,etc.,upto basement. (the crushed stone sand to be used on concrete work shall conform to gradation as per IS 383-1970)	1cu.m	4249.00	4084.00	3893.00
BD-418	Plain Cement concrete work 1:4:8 (1 cement, 4 Crushed Stone Sand (Commercially called M-Sand) and 8 blue granite broken stone jelly 40mm gauge) including consolidation curing, etc. complete for foundation, etc. upto basement	1cu.m.	4950.00	4785.00	4594.00
BD-422	Plain Cement concrete work 1:3:6 (1 cement,3 Crushed Stone Sand (Commercially called M-Sand) and 6 bluegranite broken stone jelly 40mm gauge) includingconsolidation,curing,etc., complete upto basement	1cu.m.	5271.00	5106.00	4915.00
BD-426	Plain cement concrete work 1:3:6 (1 cement,3 Crushed Stone Sand (Commercially called M-Sand) and 6 broken stone jelly 12 to 20mm gauge) including consolidation,curing,etc.,complete	1cu.m.	5580.00	5415.00	5224.00

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BD-430	Extra Labour for RCC precast works including moulding with necessary centering materials plastering the exposed surface with C.M. 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) 10mm thick and rendering smooth with cement at 1.5kg per 1sq.m. curing for 7 days fixing in position, etc., complete as directed during execution.	1cu.m.	10015.00	10013.00	10009.00
BD-431	Supplying and fabricating STEEL rods including cutting, bending hooks, cranking, fabricating, assembling and laying in exact position, tying with soft steel wire 16 gauge, etc., complete conforming to BIS std.	1kg.	75.00	75.00	75.00
BD-432	Supplying and erecting centering for sides and soffits including supports and strutting upto 3m high for plane surface such as RCC slab, rectangular beams, 'TEE' or 'L' beams, lintels, bed blocks, staircase waists and landing slabs, landing beams, canopy, etc., with all cross bracings using mild steel sheets of a size 90x60cmx3.175mm and 10 gauge stiffened with welded mild steel angles of size 25x25x3mm for boarding laid over silver Oak (Country wood) joists of size 10x6.5cm spaced at about 90cm centre to centre and supported by casuarina props of 10 to 13cm dia spaced at 7.5cm centre to centre etc., complete	1sq.m.	822.17	822.17	822.17

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BD-432A	Supplying and erecting shuttering including necessary supports for plane surface in foundation and basement for RCC column footings, pinto blocks, plinth beam, staircase steps, critical steps, critical piers, etc., using mild steel sheets of size 90x60cm and 10 gauge stiffened with welded mild steel angles of size 25x25x3mm for boarding laid over silver Oak (country wood) joists of size 10x6.5cm spaced at about 90cm centre to centre and supported by casuarina props of 10 to 13cm dia spaced at 75cm centre to centre etc., complete.	1sq.m.	730.22	730.22	730.22
BD-432B	Supplying and erecting centering for sides and soffits including supports and structting upto 3m high for plane surfaces such as RCC coloumns, top and bottom slabs of boxing. sill labs, sun shades, etc., with necessary facia using mild steel sheets of size 90x60cm and 10 gauge stiffened with welded mild steel angles of size 25x25x3mm for boarding laid over silver Oak (country wood) joists of size 10x6.5cm spaced at about 90cm centre to centre and supported by casuarina props of 10 to 13cm dia spaced at 75cm centre to centre etc., complete	1sq.m.	986.61	986.61	986.61

BD-432C	Supplying and erecting centering for sides and soffits including supports and shuttering upto 3m high for plane surface such as RCC circular column using mild steel sheets of size 90x60cm, 10 gauge stiffened with welded mild steel angles of size 25x25x3mm for boarding laid over silver Oak (country wood) joists of size 10x6.5cm spaced at about 90cm centre to centre and supported by casuarina props of 10 to 13cm dia spaced at 75cm centre to centre etc., complete	1sq.m.	1973.21	1479.91	1479.91
BD-432D	Supplying and erecting centering for sides and soffits including supports and shuttering upto 3m high for plane surface such as side slabs of RCC boxing and similar vertical RCC slab, etc., with all cross bracings using mild steel sheets of size 90x60cm and 10 gauge stiffened with welded mild steel angles of size 25x25x3mm for boarding laid over Oak (country wood) joists of size 10x6.5cm spaced at about 90cm centre to centre and supported by casuarina props of 10 to 13cm dia spaced at 75cm centre to centre etc., complete	1sq.m.	904.39	904.39	904.39
BD-433	Strutting to centering of reinforced cement concrete slabs or Plane surface including strutting upto 3m height	1sq.m.	91.96	91.96	91.96
BD-434	Strutting to centering of reinforced cement concrete work for every additional 1m. height or part thereof over the initial 3m height but not less than 30cm	1sq.m.	30.65	30.65	30.65
BD-435A	Extra Labour for RCC jolly moulding works.	1cu.m.	3648.00	3648.00	3648.00
BD-435B	Rendering smooth with cement 1.5kg. per 1sq.m. for RCC jolly work.	1sq.m.	233.80	233.80	233.80

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BD-435C	Fixing RCC jolly work in position in C.M.1:3.	1sq.m.	362.15	361.87	361.54
BD-435D	Curing with water for 7 days for RCC jolly work.	1sq.m.	41.46	41.46	41.46
BD-437A	Plastering with cement mortar 1:3 (1cement and 3 Crushed Stone Sand (Commercially called M-Sand)) 10mmthick including hacking, curing,etc., complete for ceiling andother exposed RCC surfaces.	1sq.m.	250.96	249.74	248.32
BD-437C	Plastering with cement mortar 1:3 (1cement and 3 parts of crushed stone sand) 10mmthick including hacking, curing,etc., complete for ceiling andother exposed RCC surfaces. (The crushed stone sand to be used in base mortar shall conform to gradation as per IS 1542-1977)	1sq.m	239.66	238.44	237.02
BD-438	Extra lift charges for brickworks those in ground floor(i.e. 1m above ground level)	1cu.m.	65.12	65.12	65.12
BD-439	Extra lift charges for brickworks those in first floor.	1cu.m.	196.35	196.35	196.35
BD-440	Extra lift charges for brickworks those in second floor.	1cu.m.	327.58	327.58	327.58
BD-441	Extra lift charges for brickworks those in third floor.	1cu.m.	458.81	458.81	458.81
BD-442	Extra lift charges for brickworks those in fourth floor	1cu.m.	590.04	590.04	590.04
BD-442A	Add the basic rate for brick works above 1.5m depth and upto 4.5m depth below ground level.	1cu.m.	65.34	65.34	65.34
BD-442B	Add the basic rate for brick works above 4.5m depth and upto 9.0m depth below ground level.	1cu.m.	131.23	131.23	131.23
BD-442C	Additional extra ratefor brick works for every addl.4.5m depth beyond 9.0m depth.below ground level.	1cu.m.	131.23	131.23	131.23

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BD-448	Brick work with second class Chamber burnt bricks (9"x4 3/8" x2 3/4") in Lime mortar 1:2 (1Lime and 2 Crushed Stone Sand (Commercially called M-Sand)) including curing,etc.,complete for 23cm thick walls upto basement (upto 1m high above G.L.)	1cu.m.	6194.00	6075.00	6086.00
BD-449	Brick work with second class Chamber burnt bricks (9"x4 3/8" x2 3/4") in C.M.1:3 (1 cement and3 Crushed Stone Sand (Commercially called M-Sand)) including curing,etc.,complete for 23cm thick walls upto basement.(upto 1m.high above G.L.)	1cu.m.	6748.00	6624.00	6627.00
BD-449A	Brick work with fly ash bricks of size 230mm x110mm x70mm inC.M.1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) including curing,etc.,complete for 23cm thick walls upto basement.(upto 1m high above G.L.)	1cu.m.	6748.00	6624.00	6627.00
BD-450	Brick work in second class bricks (9"x4 3/8" x 2 3/4") in C.M.1:4 (1 cement and 4 Crushed Stone Sand (Commercially called M-Sand)) including curing,etc.,complete for 23cm thick walls upto basement (upto 1m high above G.L.).	1cu.m.	6569.00	6445.00	6449.00
BD-450A	Brick work with fly ash bricks of size 230mm x110mm x70mm inC.M.1:4 (1 cement and 4 Crushed Stone Sand (Commercially called M-Sand)) including curing,etc.,complete for 23cm thick walls upto basement .(upto 1m high above G.L.)	1cu.m.	6569.00	6445.00	6449.00
BD-451	Brick work with second class bricks (9"x4 3/8" x 2 3/4") in C.M.1:5 (1 cement and 5 Crushed Stone Sand (Commercially called M-Sand)) including curing,etc.,complete for 23cm thick walls upto basement (upto 1m high above G.L.).	1cu.m.	6462.00	6338.00	6342.00

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BD-451A	Brick work with fly ash bricks of size 230mm x110mm x70mm inC.M.1:5 (1 cement and 5 Crushed Stone Sand (Commercially called M-Sand)) including curing,etc.,complete for 23cm thick walls upto basement.(upto 1m high aboveG.L.)	1cu.m.	6462.00	6338.00	6342.00
BD-452	Brick work with bricks (9"x4 3/8" x 2 3/4") second class chamber burnt G.M. in C.M.1:6 (1 cement and 6 Crushed Stone Sand (Commercially called M-Sand)) including curing, etc.,Complete,for 23cm thick walls upto basement (upto 1m high aboveG.L.).	1cu.m.	6391.00	6267.00	6271.00
BD-452A	Brick work with fly ash bricks of size 230mm x110mm x70mm inC.M.1:6 (1 cement and 6 Crushed Stone Sand (Commercially called M-Sand)) including curing,etc.,complete for 23cm thick walls upto basement.(upto 1m high aboveG.L.)	1cu.m.	6391.00	6267.00	6271.00
BD-455	Brick work using country bricks 8 3/4"x4 1/4"x2 3/4" in cement mortar1:4 (1 cement and 4 Crushed Stone Sand (Commercially called M-Sand)) for over 23cm thick walls including curing,etc.,complete upto basement.(upto 1m high aboveG.L.	1cu.m.	5507.00	5421.00	5408.00
BD-455A	Brick work using country bricks 8 3/4"x4 1/4"x2 3/4" in cement mortar1:4 (1 cement and 4 parts of crushed stone sand) for over 23cm thick walls including curing,etc.,complete upto basement.(upto 1m high aboveG.L.) (The crushed stone sand to be used on brick work shall conform to IS 2116-1980)	1cu.m	5225.00	5138.00	5126.00
BD-462	Extra Labour for 11cm thick walls.	1cu.m.	2486.00	2486.00	2486.00

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BD-464	Country brick work in clay for well steining work using specially moulded country bricks 8 3/4"x4 1/4"x2" for 23cm thick walls etc.,complete.	1cu.m.	5213.00	5062.00	5124.00
BD-465	Brick work with country brick 8 3/4"x4 1/4"x2" specially moulded for well steining work in C.M.1:6 (1 cement and 6 Crushed Stone Sand (Commercially called M-Sand)) including curing, etc., complete for 23cm thick walls.	1cu.m.	6819.00	6630.00	6649.00
BD-465B	Brick work using country bricks 8 3/4"x4 1/4"x2" specially moulded for well steining work in C.M.1:4 (1 cement and 4 river and) including, curing, etc., complete for 23cm thick walls.	1cu.m.	7042.00	6853.00	6871.00
BD-467	Base concrete work for flooring etc.,with 100mm thick concrete with broken brick jelly 40mm gauge in lime mortar 1;2:5 (1 lime 2 Crushed Stone Sand (Commercially called M-Sand) and 5 brick jelly of 40mm gauge) including consolidation etc., complete.	1sq.m.	354.40	341.10	340.80
BD-468	Base concrete work for flooring,etc.,with 100mm thick concrete with broken brick jelly 40mm gauge in cement concrete 1:4:10 (1cement 4 Crushed Stone Sand (Commercially called M-Sand) and 10 broken brick jelly of 40mm gauge) including curing and consolidation,etc.,complete.	1sq.m.	399.10	385.70	384.30
BD-469	Base concrete work for flooring etc.,with 100mm thick concrete with broken stone jelly 40mm gauge in cement concrete 1:4:10 (1cement 4 Crushed Stone Sand (Commercially called M-Sand) and 10 stone jelly of 40mm gauge) including curing, consolidation,etc.,complete.	1sq.m.	458.90	443.40	425.60

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BD-470	Base concrete work for flooring etc.,with 100mm thick concrete with broken stone jelly 40mm gauge in cement concrete 1:5:10 (1cement 5 Crushed Stone Sand (Commercially called M-Sand) and 10 stone jelly of 40mm gauge) including curing, consolidation, etc.,complete.	1sq.m.	475.80	459.20	440.20
BD-471	Granolithic flooring 25mm thick with cement concrete 1:2:4 (1cement 2 Crushed Stone Sand (Commercially called M-Sand) and 4 blue granite broken stone jelly 3 to10mm gauge) and top rendered smooth with cement at 10kg per10sq.m. including thread lining, curing, providing 25mm diaG.I.Pipe of necessary length for water outlet etc., complete asdirected during execution.	1sq.m.	435.21	430.93	425.98
BD-471A	Granolithic flooring 25mm thick with cement concrete 1:2:4 (1cement 2 parts of crushed stone sand and 4 blue granite broken stone jelly 3 to10mm gauge) and top rendered smooth with cement at 10kg per10sq.m. including thread lining, curing, providing 25mm diaG.I.Pipe of necessary length for water outlet etc., complete asdirected during execution. (The crushed stone sand to be ued on concrete work shall conform to gradation as per IS 383-1970 and the crushed stone sand to be used for mortar shall conform to IS 1542-1977)	1sq.m	421.65	417.37	412.42

BD-472	Granolithic flooring 40mm thick with cement concrete 1:2:4 (1cement and 2 Crushed Stone Sand (Commercially called M-Sand) and 4 blue granite broken stone jelly 3to 10mm gauge) and top rendered smooth with cement at 10kg per10sq.m. including thread lining,curing,providing 25mm diaG.I.pipe of necessary length for water outlet etc.,complete asdirected during execution.	1sq.m	510.49	504.01	496.51
BD-472A	Granolithic flooring 40mm thick with cement concrete 1:2:4 (1cement and 2 parts of crushed stone sand and 4 blue granite broken stone jelly 3to 10mm gauge) and top rendered smooth with cement at 10kg per10sq.m. including thread lining,curing,providing 25mm diaG.I.pipe of necessary length for water outlet etc.,complete asdirected during execution.(The crushed stone sand to be sued on concrete work shall conform to gradation as per IS 383-1970 and the crushed stone sand to be used for mortar shall conform to IS 1542-1977)	1sq.m	490.15	483.67	476.17
BD-473	Granolithic flooring 50mm thick with cement concrete 1:2:4 (1cement,2 Crushed Stone Sand (Commercially called M-Sand) and 4 blue granite broken stone jelly 3 to10mm gauge) and top rendered smooth with cement at 10kg per10sq.m. including thread lining,curing,providing 25mm dia G.I.pipe of necessary length for water outlet,etc., complete asdirected during execution.	1sq.m.	556.40	547.85	537.94

BD-474	Finishing the floor with 20mm cement concrete (Ellis Pattern first sort. no sand to be used) in the ratio 1:3 (1 cement and 3 stone chips of 10mm gauge) including thread lining, curing, providing 25mm dia G.I.Pipe of necessary length for water outlet etc.,complete as directed during execution.	1sq.m.	401.71	398.77	395.38
BD-475	Flooring rendered smooth with cement at 10kg. per 10sq.m.including curing etc.,complete as directed during execution.	1sq.m.	131.03	131.03	131.03
BD-476	Flooring with red oxide cement plaster, polished surface and thread lining curing,etc.,complete as directed during execution.	1sq.m.	498.67	496.59	494.18
BD-477	Paving hydraulic pressed cement mosaic tiles of grey colour and of size 20cmx20cmx20mm finished thickness with small verona or Indian Marble chips (other than Salem Magnesite) with cement mortar 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) 20mm thick and pointed with same coloured cement including polishing with power polisher to a high degree of polish so as to be perfectly smooth and glossy with grey colour mosaic tiles, etc,complete. (Relevant I.S.I STD)	1sq.m.	1143.68	1137.38	1136.76

BD-478	Paving hydraulic pressed cement mosaic tiles of green colour and of size 20cmx20cmx20mm finished thickness with small verona or Indian Marble chips (other than Salem Magnesite) with cement mortar 1:3(1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) 20mm thick and pointed with same coloured cement including polishing with power polisher to a high degree of polish so as to be perfectly smooth and glossy with green colour mosaic tiles etc.,complete.(7MM parrot green or lime yellow chips 30%)	1sq.m.	1247.78	1241.48	1240.86
BD-479	Paving hydraulic pressed cement mosaic tiles of approved other colours and of size 20cmx20cmx20mm finished thickness with small verona or Indian Marble Chips (other than Salem Magnesite) with cement mortar 1:3(1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) 20mm thick and pointed with same coloured cement including polishing with power polisher to a high degree of polish so as to be perfectly smooth and glossy with other approved colour mosaic tiles,etc.,complete.	1sq.m.	1194.23	1187.93	1187.31
BD-480	Repolishing the old mosaic flooring rough and fine including acid and wax polishing and hire charges for polishing machine,etc.,but excluding cost of electric charges.	1sq.m.	16.83	16.83	16.83
BD-481C	Supplying and fixing WALL TILES with white glazed tiles 300x200x6mm in C.M. 1:3 , 20mm thick and pointing with same colour cement, polishing, clearing, etc., complete.	1sq.m.	1361.53	1358.97	1355.98

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BD-481D	Supplying and fixing WALL TILES colours designed glazed tiles 300x200x6mm in C.M. 1:3, 20mm thick and pointing with same colour cement, polishing, clearing, etc., complete.	1sq.m.	1433.00	1430.00	1427.00
BD-482A	STAIRCASE HANDRAILS with Brick work in country bricks second class of size 8 1/4"x4 1/4"x2" in C.M.1:4 for including plastering on both sides in C.M.1:3, 12mm thick finishing the top of handrail in C.M.1:3 as shown in the sketch, rendering smooth with cement at 10kg per 10sq.m.curing,etc.,complete as directed during the execution.	1sq.m.	1218.50	1210.29	1205.17
BD-482B	STAIRCASE STEPS with Brick work in stock bricks second class in C.M.1:4 of 0.3m (12") tread and 0.15m(6") raise including plastering all exposed surfaces of steps in C.M.1:4 , 12mm thick thread, lining, rendering smooth with cement at 10kg per 10sq.m. curing etc., complete.	1cu.m.	13388.00	13227.00	13188.00
BD-493	Removing existing old tiles and retiling with new pantiles over existing old teakwood reepers including new white washed lime mortar borders in L.M. 1:2 (1 Lime and 2 Crushed Stone Sand (Commercially called M-Sand)) 23cmx5cm size at 2m intervals etc.,complete as directed during execution. (ISI STD)	1sq.m.	455.42	454.20	452.85
BD-494	Shifting of pantiles (Labour only)	1sq.m.	131.05	131.05	131.05
BD-495	Shifting of pan tiles and forming new white washed lime mortar border of size 23cmx5cm at 2m intervals,etc.,complete.	1sq.m.	142.05	142.05	142.05

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BD-496	Removing the existing damaged tiles from the roof and re-tiling with new pan tiles and forming new white washed lime mortar borders in L.M.1:2 (1 lime and 2 Crushed Stone Sand (Commercially called M-Sand)) of 23cmx5cm size at 2m intervals etc.,complete as directed during the execution.	1sq.m.	686.27	683.21	679.85
BD-497	Removing the existing square flat tiles and pantiles from thepantiled roofing and retiling with available pantiles and flattiles and set in Lime mortar 1:2 (1 lime and 2 Crushed Stone Sand (Commercially called M-Sand)) overthe existing reepers including lime borders etc., complete as directed during the execution.	1sq.m.	582.84	579.78	576.42
BD-498	Roofing with best Mangalore tiles set in Lime Mortar 1:2 (1 limeand 2 Crushed Stone Sand (Commercially called M-Sand)) over flat tiles of size 15cmx15cmx12mm and including teak reepers,etc.,complete.(ISI STD)	1sq.m	1213.73	1206.28	1204.29
BD-499	Removing the square flat tiles and mangalore tiles from the Mangalore tiled roof and retiling with new square flat tiles andnew mangalore tiles set in L.M.1:2 (1 lime and 2 Crushed Stone Sand (Commercially called M-Sand)) including lime border etc.,complete.(ISI STD)	1sq.m.	690.02	683.37	682.28
BD-500	Removing the existing square flat tiles and mangalore tiles from the mangalore tiled roof and retiling with available flat tiles and mangalore tiles set in lime mortar 1:2 (1 Lime and 2 Riversand) over the existing reepers including lime border,etc.,complete.	1sq.m.	485.60	482.54	479.18

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BD-501	Best tiled roofing with mangalore tiles including teak reepers of size 50x25mm and wind tiles where ever necessary, lime borders etc., complete as directed during execution.(ISI STD)	1sq.m.	709.96	705.46	706.72
BD-502	Removing and retiling with new mangalore tiles excluding teak reepers including lime borders,etc.,complete as directed during execution.(ISI STD)	1sq.m.	412.40	407.90	409.15
BD-503	Removing and retiling with available mangalore tiles over the existing reepers including lime borders,etc.,complete as directed during execution.	1sq.m.	243.49	242.57	241.56
BD-504	Weathering course using concrete broken brick jelly 20mm gauge in pure slacked lime 32 : 12.5 cft. (32 broken brick jelly 20mm gauge and 12.5 lime) over RCC roof slab for required depth of 80mm for giving required slope and thickness to roof as required, well beaten with wooden beaters,etc.,complete as directed during execution.	1cu.m.	3507.00	3400.00	3482.00
BD-505A	Pointing with cement mortar 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) to a full depth of tiles, such as marble slab, pressed tiles, ornamental tiles,etc.,complete.	1sq.m.	270.45	269.96	269.39
BD-505B	Terrace flooring with one course of pressed tiles (with relevant ISI STD) 23cmx23cmx20mm using C.M. 1:3 etc.,	1sq.m.	1157.16	1153.25	1152.53
BD-505C	Pointing with cement mortar 1:3 to full depth 6mm thick of tiles 23cmx23cmx20mm etc.,	1sq.m.	265.54	265.22	264.85
BD-505D	Terrace flooring with one course of pressed tiles 20cmx20cmx20mm using C.M. 1:3 etc.(ISI STD),	1sq.m.	1137.56	1132.94	1132.59
BD-505E	Pointing with cement mortar 1:3 to full depth 6mm thick of tiles 20cm x20cm x20mm etc.	1sq.m.	267.24	266.88	266.46

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BD-505F	Terrace flooring with one course of pressed tiles (with relevant ISI STD) 23cmx23cmx20mm using C.M. 1:3 etc. (one part of cement and three parts of crushed stone sand) (The crushed stone sand to be used in base mortar shall conform to gradation as per IS 1542-1977)	1sq.m	1140.68	1136.78	1136.05
BD-505G	Pointing with cement mortar 1:3 to full depth 6mm thick of tiles 23cmx23cmx20mm etc.,(Crushed quarry dust)	sq.m	262.62	262.31	261.94
BD-506	Terrace flooring with two courses of flat tiles 150x150x12mm size (ISI STD) laid in cement mortar 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) mixed with crude oil at 10% by weight of cement or any other approved water proofing compound and pointing the joints with the same oiled cement mortar, rendering the surface smooth, curing, etc., complete. Flashing shall be provided at the jn. of parapet walls. No extra payment will be made for flashing.	1sq.m.	875.03	871.25	866.85
BD-507	Complete surface repairs to leaky roof with one course of flat tiles 150x150x12mm in C.M. 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) and clean removal of lime plaster from terraced roof and raking out joints 10mm deep, etc., complete as directed during execution (ISISTD)	1sq.m.	521.60	519.77	517.64
BD-508	Removing and re-adjusting the mangalore tiles in the existing mangalore tiled roof, etc., (Labour only)	1sq.m.	59.20	59.20	59.20

BD-509	Roofing with galvanised corrugated iron sheets (thickness of sheet 0.8mm) including 'J'bolts and nuts with bitumen washers,etc.,complete (ISI STD).	1sq.m.	1100.28	1100.28	1100.28
BD-510	Supplying and fixing G.I.ridges made of 20 B.W.G. galvanised iron sheets and G.I. valleys made of 18 B.W.G. galvanised iron sheets including fixing,etc.,complete.(ISI STD)	1m	706.47	706.47	706.47
BD-511	Providing roofing with asbestos cement corrugated sheets 6mm (IS459) thick including fixing with 'J' bolts and nuts with bitumen washers,etc.,complete as directed during execution.	1sq.m.	642.32	642.32	642.32
BD-512	Providing asbestos cement ridges (adjustable) to fit the corrugated or traftered sheets including fixing,etc.complete.	1m.	202.37	202.37	202.37
BD-513	Strong thatched roofing with coconut leaves including casurina rafters 5 to 8cm dia at 60cm c/c and purlins of 4 to 5cm dia at 30cm c/c and wind tiles etc.,complete (without bamboo mat).	1sq.m.	347.27	347.27	347.27
BD-514	Plastering with lime mortar 1:2 (1 lime and 2 Crushed Stone Sand (Commercially called M-Sand)) 12mm thick (one coat) etc.,complete.	1sq.m.	206.79	205.36	203.79
BD-514(P)	Plastering with lime mortar 1:2 (1 lime and 2 P sand) 12mm thick (one coat) etc.,complete.	1sq.m.	206.86	205.43	203.86
BD-515	Plastering with lime mortar 1:2 (1 lime and 2 Crushed Stone Sand (Commercially called M-Sand)) 20mm thick (two coats)etc.,complete.	1sq.m.	415.83	413.61	411.19
BD-515(P)	Plastering with lime mortar 1:2 (1 lime and 2 P sand) 20mm thick (two coats)etc.,complete.	1sq.m.	415.94	413.72	411.30
BD-516	Plastering with cement mortar 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand))12mm thick including curing ,etc., complete.	1sq.m.	247.87	246.16	244.17

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BD-516(P)	Plastering with cement mortar 1:3 (1 cement and 3 P sand)12mm thick including curing ,etc., complete.	1sq.m.	247.94	246.23	244.24
BD-517	Plastering with cement mortar 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand))15mm thick including curing ,etc., complete.	1sq.m.	262.07	259.99	257.58
BD-517(P)	Plastering with cement mortar 1:3 (1 cement and 3 P sand)15mm thick including curing ,etc., complete.	1sq.m.	262.15	260.08	257.66
BD-518	Plastering with cement mortar 1:4 (1 cement and 4 Crushed Stone Sand (Commercially called M-Sand))12mm thick including curing, etc., complete.	1sq.m.	237.89	236.17	234.19
BD-518(P)	Plastering with cement mortar 1:4 (1 cement and 4 P sand)12mm thick including curing, etc., complete.	1sq.m.	237.96	236.24	234.26
BD-519	Plastering with cement mortar 1:5 (1 cement and 5 Crushed Stone Sand (Commercially called M-Sand))12mm thick including curing, etc., complete.	1sq.m.	231.90	230.17	228.20
BD-519(P)	Plastering with cement mortar 1:5 (1 cement and 5 P sand)12mm thick including curing, etc., complete.	1sq.m.	231.97	230.24	228.27
BD-519A	Plastering with cement mortar 1:6 (1 cement and 6 Crushed Stone Sand (Commercially called M-Sand))12mm thick including curing ,etc., complete.	1sq.m.	227.89	226.18	224.21
BD-519B	Plastering with cement mortar 1:5 (one part of cement and five parts of crushed stone sand) 12mm thick including curing, etc., complete. (the crushed stone sand to be used shall conform to IS 1542-1977))	1sq.m.	204.97	203.24	201.27
BD-520	Plastering with cement mortar 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand))20mm thick including curing, etc., complete.	1sq.m.	473.95	471.26	468.14

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BD-520(P)	Plastering with cement mortar 1:3 (1 cement and 3 P sand)20mm thick including curing, etc., complete.	1sq.m.	474.06	471.37	468.25
BD-521	Plastering with cement mortar 1:4 (1 cement and 4 riversand),20mm thick including curing, etc., complete.	1sq.m.	458.26	455.55	452.45
BD-521(P)	Plastering with cement mortar 1:4 (1 cement and 4 P sand),20mm thick including curing, etc., complete.	1sq.m.	458.37	455.66	452.56
BD-522	Plastering with cement mortar 1:5(1 cement and 5 Crushed Stone Sand (Commercially called M-Sand)),20mm thick including curing, etc., complete.	1sq.m.	448.84	446.14	443.04
BD-522(P)	Plastering with cement mortar 1:5(1 cement and 5 Crushed Stone Sand (Commercially called M-Sand)),20mm thick including curing, etc., complete.	1sq.m.	448.95	446.25	443.15
BD-523	Stucco plastering 12mm thick using blue granite chips of size10mm and below in the proportion of 1:3 (1 cement and 3 blue granite broken chips) also over a base plastering with C.M.1:5 (1cement and 5 Crushed Stone Sand (Commercially called M-Sand)),12mm thick including curing,etc.,complete.	1sq.m.	526.13	522.58	518.48
BD-524	White washing one coat over a new plastered surface.	1sq.m.	19.70	19.70	19.70
BD-525	White washing two coats over new plastered surface.	1sq.m.	28.64	28.64	28.64
BD-526	White washing three coats over new plastered surface	1sq.m.	38.83	38.83	38.83
BD-527	Colour washing one coat over new plastered surface.	1sq.m.	29.56	29.56	29.56
BD-528	Colour washing two coats over new plastered surface.	1sq.m.	42.96	42.96	42.96
BD-529	Thorough scrapping of old plastered surface.	1sq.m.	3.52	3.52	3.52
BD-530	Washing of plastered surfaces with soap, soda and water or withs oda lime,cumbly and water.	1sq.m.	4.40	4.40	4.40
BD-533	White washing one coat over old plastered surface.	1sq.m.	10.64	10.64	10.64

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BD-534	White washing two coats over old plastered surface.	1sq.m.	19.39	19.39	19.39
BD-535	Colour washing one coat over old plastered surface.	1sq.m.	15.96	15.96	15.96
BD-536	Colour washing two coats over old plastered surface.	1sq.m.	29.09	29.09	29.09
BD-537	Painting two coats with oil bound distemper of approved quality,make and colour including thorough scrapping,clean removal of dirt,etc.,complete and including necessary plaster of paris,putty wherever required over new plastered surface.(ISI STD)	1sq.m.	108.39	108.39	108.39
BD-538	Painting two coats with water bound distemper of approved quality,make and colour including thorough scrapping,clean removal of dirt,etc.,complete and including necessary plastering of paris,putty wherever required over old plastered surface.(ISISTD)	1sq.m.	107.72	107.72	107.72
BD-539	Colour washing one coat with supercem or snowcem or any other approved cement based colour washing over new plastered walls by brush with silvery grey or any other approved colour as may be directed during execution. The surface must be free from dust, oil,etc., Loose materials and dust must be removed by brushing and washing before applying the cement based colour wash the surface shall be saturated with clean water. The mixed cement based colour wash shall pass through a fine wiremesh sieve before applying by brush,curing,etc.,complete as directed during execution.(ISI STD)	1sq.m.	82.17	82.17	82.17

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BD-540	Painting the old plastered wall with one coat of cement based paint of approved colour and make including thorough scrapping and washing of the old plastered surface with soap,soda and water,etc.,cna also preparing the surface and curing, etc., complete. (Relevant I.S.I STD.)	1sq.m.	87.66	87.66	87.66
BD-541	Colour washing two coats with supercem or snowcem or any other approved cement based (with relevant ISI STD) colour washing over new plastered walls by brush with silvery grey or any other approved colour as may be directed during execution. The surface must be free from dust,oil,etc., Loose materials and dust must be removed by brushing and washing before applying the cement based colour wash the surface shall be saturated with clean water. The mixed cement based colour wash shall pass through a fine wiremesh sieve before applying by brush, curing, etc.,complete as directed during execution.	1sq.m.	116.03	116.03	116.03
BD-542	Colour washing two coats with supercem or snowcem or any other approved cement based colour washing over old plastered surface of approved colour and make including thorough scrapping and washing of the old plastered surface with soap, soda water, etc.,and also prepare the surface and curing,etc.,complete.(ISI STD)	1sq.m.	121.42	121.42	121.42

BD-543	Providing dadoo work for the sides of wall,with colour mosaicchips (other than grey colour mosaic chips) of approved colourand quality with necessary caves of the same meterial at the junction of walls to a finished thickness of 10mm laid in situ with the same colour cement with suitable border 75mm wide including a base plastering in C.M.1:4 12mm thick made rough with zigzag lining including rubbing and polishing the dadoo surface to glossy finish etc.,complete.(ISI STD)	1sq.m.	846.00	844.27	842.30
BD-544	Providing dadoo work for the sides of wall,with mosaic chips (approved grey colour) approved quality with necessary caves of the same material at the junction of wall to a finished thickness of 10mm laid in situ with the same colour cement with suitable border 75mm wide including a base plastering in C.M.1:4,12mm thick made rough with zig zag lining including rubbing and polishing the dadoo surface to glossy finish, etc., complete. (Relevant I.S.I STD.)	1sq.m.	846.00	844.27	842.30
BD-545	Providing dadoo work for the sides of wall,with white mosaic chips approved quality with necessary caves of the same materialat the junction of walls to a finished thickness of 10mm laid insitu with the same colour cement with suitable border 75mm wide including a base plastering in c.M.1:4,12mm thick made rough with zigzag lining including rubbing and polishing the dadoo surface to glossy finish, etc., complete.(ISI STD)	1sq.m.	849.00	847.27	845.30
BD-546	Painting new wood work with one coat of approved primer.(ISI STD)	1sq.m.	68.49	68.49	68.49

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BD-547	Painting new iron work with one coat of approved primer.(ISI STD)	1sq.m.	65.52	65.52	65.52
BD-548	Removing old paints from doors and windows by scrapping and refitting of shutters.	1sq.m.	10.45	10.45	10.45
BD-549	Removing old paints from doors and windows by blow lamp andscrapping including removal and refitting of shutters.	1sq.m.	28.49	28.49	28.49
BD-550	Thorough scrapping only.	1sq.m.	7.59	7.59	7.59
BD-551	Painting new wood work with one coat of ready mixed paint of superior quality and approved colour. And make (ISI STD)	1sq.m.	81.39	81.39	81.39
BD-552	Painting old wood work with one coat of ready mixed paint of superior quality and approved colour.(ISI STD)	1sq.m.	78.82	78.82	78.82
BD-553	Painting new iron work with one coat of ready mixed paint of superior quality and approved colour.(ISI STD)	1sq.m.	77.34	77.34	77.34
BD-554	Painting old iron work with one coat of ready mixed paint of superior quality and approved colour.(ISI STD)	1sq.m.	72.43	72.43	72.43
BD-555	Painting new wood work two coats with ready mixed paint of superior quality and approved colour.(ISI STD)	1sq.m.	141.23	141.23	141.23
BD-556	Painting new iron work two coats with ready mixed paint with relevent ISI STD of superior quality and approved colour.	1sq.m.	124.27	124.27	124.27
BD-557	Painting old wood work two coats with ready mixed paint of superior quality and approved colour.(ISI STD)	1sq.m.	133.49	133.49	133.49
BD-558	Painting old iron work two coats with ready mixed paint of superior quality and approved colour.(ISI STD)	1sq.m.	117.58	117.58	117.58
BD-559	Painting with superior quality of ready mixed black board painting for black board purposes on any surface (such asplastered surface, A.c.Sheet,etc.,) for new work with one coat (ISI STD.).	1sq.m.	81.64	81.64	81.64

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BD-560	Painting with superior quality of ready mixed black board painting for black board purposes on any surface (such as plastered surface, A.C.Sheet,etc.,) for new work with two coats.(ISI STD)	1sq.m.	141.66	141.66	141.66
BD-561	Painting with superior quality of ready mixed black board paintfor black board purposes on any surface (such as plasteredsurface, A.C.Sheets,etc.,) two coats for old work.(ISI STD)	1sq.m.	133.87	133.87	133.87
BD-562	Painting two coats with ready mixed plastic emulsion paint of first class quality and of approved colour over a priming coat including thorough scrapping,clean removal of dirt,etc.,complete and including necessary plaster of parris,putty wherever required and neat finishing etc.(ISI STD)	1sq.m.	203.98	203.98	203.98
BD-562A	Painting the new plastered walls with two coats of Exterior emulsion paint (weather proof) first class quality and of approved colour over a priming coat including thorough scrapping,clean removal of dirt,etc.,complete and including necessary plaster paris,putty etc., wherever required.as per (ISI STD) (It must provide excellent resistance against the growth of algae and fungi on the walls. And it must offer excellent protection against alkali and UV degradation and the durability period should be 5 years.	1sq.m.	205.12	205.12	205.12

BD-562B	Painting the OLD plastered walls with two coats of Exterior emulsion paint (weather proof) first class quality and of approved colour over a priming coat including thorough scrapping, clean removal of dirt, etc., complete and including necessary plaster paris, putty etc., wherever required. as per (ISI STD) (It must provide excellent resistance against the growth of algae and fungi on the walls. And it must offer excellent protection against alkali and UV degradation and the durability period should be 5 years.	1sq.m.	213.04	213.04	213.04
BD-563	Tarring with coal tar, one coat.	1sq.m.	54.25	54.25	54.25
BD-564	Tarring with coal tar, two coats.	1sq.m.	105.68	105.68	105.68
BD-565	Best varnishing wood work, one coat.(ISI STD)	1sq.m.	108.69	108.69	108.69
BD-566	Best varnishing wood work, two coats.(ISI STD)	1sq.m.	170.18	170.18	170.18
BD-571	Best Indian Teak Wood wrought and put up in large scantlings of 3m and over 3m in length.(ISI STD)	1cu.m.	151077.00	151077.00	151077.00
BD-572	Best Indian Teak wood wrought and put up in large scantlings over 2m and below 3m in length.(ISI STD)	1cu.m.	131167.00	131167.00	131167.00
BD-573	Best Indian Teak wood wrought and put up in small scantlings and below 2m in length.(ISI STD)	1cu.m.	118967.00	118967.00	118967.00
BD-574	Best Indian Teak Wood panelled doors in single shutter with frames 100x75mm at side, verticals and top. The shutters shall be 40mm thick with moulded panells in 20mm th.planks, 6Nos. of iron old fasts fixed in C.C. 1:2:4 cement concrete, three Nos. of butt hinges 125mm long including wind appliances furniture, iron fittings, one number of iron padlock 15cm long for locking arrangements and fixed in position, etc., complete.(ISI STD)	1sq.m.	6505.00	6505.00	6505.00

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BD-575	Best Indian Teak Wood panelled door with weldmesh head in single shutter with frames 100x75mm at side, verticals, top transom, etc., The height of weldmesh head is 40cm, and the size of weldmesh is 75x25mm. The shutters shall be of 40mm thick with moulded panels in 20mm thick planks including 6Nos. of iron hold fasts fixed in C.C. 1:2:4, 3Nos. of butt hinges 125mm long including wind appliances, furniture, iron fittings, 1No. of iron padlock 15cm long for locking arrangements and fixing in position etc., complete with 2Nos. of 20mm dia M.S. Horizontal bars for the head portion, etc., complete. (ISI STD)	1sq.m.	6855.00	6855.00	6855.00
BD-576	Best Indian Teak Wood Panelled door in double shutters with frames 100x75mm at side, verticals and top. The shutters shall be of 40mm thick with moulded panels in 20mm thick planks, 6Nos. of iron hold fasts fixed in c.c. 1:2:4 6Nos. of butt hinges 125mm long including wind appliances, furniture, iron fittings, 1No. of iron padlock 15cm long for locking arrangements and fixing in position, etc., complete. (ISI STD)	1sq.m.	5972.00	5972.00	5972.00

BD-577	<p>Best Indian Teak Wood panelled door in double shutters with weldmesh head. The size of frames shall be 100x75mm atside,verticals,top transom and centre verticals for head. Theheight of weldmesh head is 40cm and the size of weldmesh is75x25mm. The shutters shall be of 40mm thick with moulded panelsin 20mm thick planks, 6Nos.of iron hold fasts ifxed inC.C.1:2:4,6Nos.of butt hinges 125mm long including wind appliances, furniture,iron fittings, 1No.of iron padlock 15cmlong for locking arrangements and fixing in position including 2Nos.of 20mm dia M.S.horizontal bars for the head,etc.,complete.(ISI STD)</p>	1sq.m.	6358.00	6358.00	6358.00
BD-578	<p>Best Indian Teak Wood Panelled door in double shutters with sideframes only. The size of frames shall be 60x75mm fixed with 6Nos.of iron hold fasts. The shutters shall be of 40mm thick with moulded panels in 20mm thick planks with 6Nos.of butt hinges100mm long.1No.of iron padlock 15cm long 1No.of iron tower bolt15cm long for locking arrangements including fixing inposition,etc.,complete.(ISI STD)</p>	1sq.m.	6439.00	6439.00	6439.00

BD-579	Best Indian Teak Wood panelled and glazed door in double shutters with glazed head. The size of frames shall be 100x75mm at side,verticals,top transom and centre vertical for head. The height of glazed head is 40cm using 595 gm.glass panes for head. The shutters shall be of 40mm thick with moulded panels in 20 mm thick planks for the panelled portion and 595gm.glass panes for the glazed portion. 6Nos.of iron hold fasts fixed in C.C.1:2:4. 6Nos.of butt hinges 125mm long including wind appliances, furniture iron fittings.1No.of iron padlock 15cm long for locking arrangements and fixing in position with 2Nos.of 20mmdia M.S horizontal bars for the head portion, etc., complete. (ISISTD)	1sq.m.	6136.00	6136.00	6136.00
BD-580	Best Indian Teak Wood panelled door shutter for single leaf door. The shutter shall be 40mm thick with moulded panels in 20mm thick planks inclusive of 3 Nos.butt hinges 125mm long,furniture iron fittings,1No.of jappened hooks and eyes 200mm long and 6mm thick and iron pad lock 15cm long including fixing in position,etc.,complete.	1sq.m.	4637.00	4637.00	4637.00
BD-581	Best Indian Teak Wood Panelled door shutters for double leafdoor. The shutter shall be of 40mm thick with moulded panelled in 20mm thick inclusive of 6Nos.of butt hinges 125mm long,furniture iron fittings,2Nos.of Jappened cabin hooks andeyes 200mm long and 6mm thick and iron pad lock 15cm long including fixing in position,etc.,complete.(ISI STD)	1sq.m.	4613.00	4613.00	4613.00

BD-583	Hold fasts 6Nos.(50x6x225mm) and wind appliances for internal doors (doors opening inside) fully panelled door 2Nos.jappened cabin hooks and eyes 200mm long and 6mm thick,2Nos.wooden pLUGSetc.,complete.	1 door	385.00	385.00	385.00
BD-584	Holdfasts 6Nos.(50x6x225mm) and wind appliances for fully panelled door (single leaf) 1No.jappened cabin hooks and eyes1No.wooden plugs,etc.,complete.(ISI STD)	1 door	551.00	551.00	551.00
BD-585	Furniture iron fittings for internal doors(fully panelled) 1 top tower bolt (average size) 2 bottom tower bolts 15cm long,6Nos.butt hinges including an allowance for the petty difference in quantity of wood,etc.,complete.(ISI STD)	1 door	532.08	532.08	532.08
BD-586	Furniture iron fittings for panelled door internal with top bolt and bottom bolt,3Nos.butt hinges,etc.,for single leaf door.(ISI STD)	1 door	267.04	267.04	267.04
BD-587	Furniture iron fittings for external doors 2Nos.top tower bolts (Average size) 2Nos.bottom tower bolts 15cm long,6Nos.parliamentary hinges (average size) etc.,complete.(ISISTD)	1 door	565.48	565.48	565.48
BD-588	Furniture iron fittings for internal doors (fully panelled)1No.top tower bolt,2Nos.bottom tower bolts 15cm long for old doors.(ISI STD)	1 door.	38.32	38.32	38.32
BD-589	Providing and fixing 15cm iron pad lock for locking arrangements in the existing doors.(ISI STD)	1pdlk.	51.00	51.00	51.00
BD-590	Providing and fixing butt hinges 125mm long (5")to the shutter of the door for repair works.(ISI STD)	1hinge	82.10	82.10	82.10
BD-591	Re-fixing the door and windows with the existing frames and shutters,etc.,complete.	1sq.m.	171.73	171.73	171.73

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BD-597	Best Indian T.W.Panelled windows in double shutters with frames100x60mm alround, centre full vertical. The shutters shall be 40mm thick with moulded panels in 20mm thick planks and 4Nos.ironhold fast fixed in C.C.1:2:4 and 4Nos.of butt hinges 100mm long including wind appliances, furniture iron fittings and fixing inposition, etc., complete.(ISI STD)	1sq.m.	6797.00	6797.00	6797.00
BD-598	Best Indian T.W.glazed windows in double shutters with frames100x60mm alround and centre full vertical. The shutters shall be 40mm thick with glass panels of 3mm thick (595gms) and 4Nos.of iron hold fasts fixed in C.C.1:2:4,4Nos.of butt hinges 100mm long including wind appliances,furniture iron fittings and fixing inposition,etc.,cincluding 20x20mm teak fillets sash bar etc.,complete.(ISI STD)	1sq.m.	6000.00	6000.00	6000.00
BD-599	Best Indian T.W.Panelled window in double shutters with weld mesh head. The size of frame shall be 100x60mm alround, centre full vertical including head and transom,etc., The height of weldmeshhead is 40cm and the size of weldmesh is 75x25mm. The shutters shall be 40mm thick with moulded panels in 20mm thick planks and 4Nos.of iron hold fasts fixed in C.C.1:2:4, 4Nos.of butt hinges100mm long including wind appliances furniture iron fittings including fixing in position,etc.,complete.(ISI STD)	1sq.m.	6322.00	6322.00	6322.00

BD-600	Best Indian T.W.glased window in double shutters with glazed head. The size of frames shall be 100x60mm alround, centre full vertical including head and transom,etc. The height of glazed head is 40cm and with 3mm thick (595gms) Glass panes and 4Nos.of iron hold fasts fixed in C.C.1:2:4, 4Nos.of butt hinges 100mm long including wind appliances, furniture iron fittings,etc.,complete.(ISI STD)	1sq.m.	5732.00	5732.00	5732.00
BD-601	Best Indian T.W.Panelled window in four shutters. The size of frame shall be 100x60mm alround,centre full vertical andhorizontal,etc., The shutters shall be 40mm thick with moulded panels in 20mm thick planks and 4Nos.of iron hold fasts fixed inC.C.1:2:4, 8Nos.of butt hinges 100mm long including wind appliances,furniture iron fittings and fixing inposition,etc.,complete.(ISI STD)	1sq.m.	7372.00	7372.00	7372.00
BD-602	Best Indian T.W.glased window in four shutters. The size of frame shall be 100x60mm alround, centre full vertical andhorizontal,etc., The shutters shall be 40mm thick with glasspanels in 3mm thick panes and 4Nos.of iron hold fasts fixed inC.C.1:2:4,8Nos.of butt hinges 100mm long including windappliances,furniture iron fittings and fixing inposition,etc.,complete.(ISI STD)	1sq.m.	6679.00	6679.00	6679.00

BD-603	Best Indian T.W.Panelled window in four shutters with weldmeshhead. The size of frame shall be 100x60mm around, centre fullvertical including head, transom and centre horizontal. Theheight of weldmesh head is 40cm and the size of weldmesh is75x25mm. The shutters shall be 40mm thick with moulded panels in20mm thick planks and 4Nos.of iron hold fasts fixed inC.C.1:2:4,8Nos.of butt hinges 100mm long, windappliances,furniture iron fittings including fixing in positionetc.,complete.(ISI STD)	1sq.m.	6724.00	6724.00	6724.00
BD-604	best Indian T.W.glazed window in four shutters with glazed head. The size of frame shall be 100x60mm around, centre full vertical including head, transom and centre horizontal,etc., The heightof the glazed head is 40cm with 3mm thick glass panes for the head. The shutters shall be 40mm thick with glazed panels in 3mm thick glass panes and 4Nos.of iron hold fasts fixed in C.C.1:2:4,8Nos.of butt hinges 100mm long wind appliances, furniture iron fittings including fixing in position,etc.,complete.(ISI STD)	1sq.m.	6204.00	6204.00	6204.00
BD-605	Providing and fixing Best Indian T.W.panelled window shutters fordoube lead window. The shutters shall be 40mm thick withmoulded panels in 20mm thick planks inclusive of furniture ironfittings,2Nos.of jappened cabin hooks and eyes 200mm long and 6mmthick and fixing in position etc.,complete.(ISI STD)	1sq.m.	4675.00	4675.00	4675.00

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BD-606	Providing and fixing T.W.Glazed window shutters for double leadwindow. The shutters shall be 40mm thick with glazed panels in 3mm thick glass panes inclusive of furniture iron fittings, 2 Nos. of japanned cabin hooks and eyes 200mm long and 6mm thick and fixing in position, etc., complete. (ISI STD)	1sq.m	3741.00	3741.00	3741.00
BD-607	Providing and fixing T.W.panelled window shutters for four leaf window. The shutters shall be 40mm thick with moulded panels in 20mm thick planks inclusive of furniture iron fittings, 4 Nos. japanned cabin hooks and eyes 200mm long and 6mm thick and fixing in position, etc., complete. (ISI STD)	1sq.m.	4959.00	4959.00	4959.00
BD-608	Providing and fixing T.W.glazed window shutters for four lead window. The shutters shall be 40mm thick with glazed panels in 3mm thick glass panes inclusive of furniture iron fittings, 4 Nos. of japanned cabin hooks and eyes 200mm long and 6mm thick and fixing in position, etc., complete (ISI STD).	1sq.m.	4114.00	4114.00	4114.00
BD-609	Supplying and fixing horizontal bars for the windows, etc., with 20mm dia M.S.bars at 10cm centres. (ISI STD)	1sq.m.	1232.00	1232.00	1232.00
BD-610	Hold fasts and wind appliances for T.W.Panelled double leaf window. (4 Nos. of iron hold fasts and 2 Nos. japanned cabin hooks and eyes 200mm long and 6mm thick) etc., complete. (ISI STD)	1wdw.	420.00	420.00	420.00

BD-611	Hold fasts and wind appliances for T.W.Panelled four leaf window (4Nos.of iron hold fasts and 4Nos.of jappened cabin hooksand eyes 200mm long and 6mm thick)etc.,complete.(ISI STD)	1wdw.	496.00	496.00	496.00
BD-612	Furniture iron fittings for external T.W.Panelled double leaf window.(4Nos.of butt hinges 100mm long and 4Nos.of hooks and eyes 50mm long)etc.,complete.(ISI STD)	1wdw.	343.00	343.00	343.00
BD-613	Furniture iron fittings for external T.W.Panelled four leaf window (8Nos.of butt hinges 100mm long and 4Nos.of hooks and eyes50mm long) etc.,complete.(ISI STD)	1wdw.	599.00	599.00	599.00
BD-614	Supplying and fixing 4Nos.of hooks and eyes 50mm long and 2Nos.of jappened cabin hooks and eyes 200mm long and 6mm thick etc.,complete for the external double leaf window shutters.(ISISTD)	1wdw.	164.00	164.00	164.00
BD-615	Supplying and fixing 4Nos.of hooks and eyes 50mm long and 4Nos.of jappened cabin hooks and eyes 200mm long and 6mm thicketc.,complete for external four leaf panelled window.(ISI STD)	1wdw.	237.00	237.00	237.00
BD-616	Supplying and fixing butt hinges 100mm long for the existing window,etc.,complete.(ISI STD)	1No.	66.50	66.50	66.50
BD-617	Re-fixing the window with the existing frames and shutters,etc.,complete.	1sq.m.	171.73	171.73	171.73
BD-620	Best Indian T.W.glazed swing ventilator with frames of 75x60mm alround. The shutters shall be 40mm thick with 595gms.glasspanes including 20x20mm teak fillets,sash centres,brassrings,iron cleat and window card appliances including fixing inposition,etc.,complete.(ISI STD)	1sq.m.	5344.00	5344.00	5344.00

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BD-621	Best Indian T.W.glazed louvered ventilators with frames of 75x60mm allround centre etc.,fixed with 4Nos.of iron hold fasts. The glass panes of 595gms.louvers fixed to the frames inclined at 45 degree including fixing in position,etc.,complete.(ISI STD)	1sq.m.	5880.00	5880.00	5880.00
BD-622	Best Indian T.W.glazed, ventilators fixed frames of size 75x60mm allround the shutter will be 40mm thick with 40mm thick with 595gms.flas panes including iron fittings,20x20mm teak fillets, etc.,complete.(ISI STD)	1sq.m.	5649.00	5649.00	5649.00
BD-623	Best Indian T.W.glazed shutter for the swing ventilator. The shutter shall be 40mm thick with glass panes of 595gms.with necessary horizontal and vertical sash bars including teak fillets. The shutters shall be firmly fixed in position with necessary screws,etc.complete.(ISI STD)	1sq.m.	2785.00	2785.00	2785.00
BD-624	Supplying and fixing sash centres 2Nos.of 50x20x6mm size with screws.1No.of 25mm dia brass ring fixed with screws,1No.of 10cm cleat jappened hooks and 6 to 10mm window cards,etc.,complete forglazed swing ventilator.(ISI STD)	1No.	165.00	165.00	165.00

BD-626	Best Indian T.W.cupboard with frames 100x60mm around andshutters 40mm thick moulded panels in 20mm thick planks and 4Nos.F.I.Hold fasts 50x6x230mm long fixed in 1:2:4 cement concrete and 6Nos.butt hinges 100mm long including necessary,furniture,brass padlocks,125mm long or suitable size suitable brass handles, screws, etc., complete. The cupboard will have 4Nos.of RCC precast slabs 40mm thick having 40mm bearing at sides and for full width,neatly packed with cement mortar curing,etc.,and firmly fixed in position. The RCC works shall be of 1:2:4 mix (1 cement,2 Crushed Stone Sand (Commercially called M-Sand) and 4 stone jelly 6 to 10mm gauge) with necessary	1sq.m.	6490.00	6490.00	6490.00
BD-628	Supplying and fixing T.W.partition with T.W.frames of 75x50mm size at 75cm C/C.and with 20mm thick T.W.Planks for panels including fixing in position,etc.,complete with necessary ironhold fasts.(ISI STD)	1sq.m.	4103.00	4103.00	4103.00
BD-629	Supplying and fixing A.C.sheet partition with T.W.frames of 75x50mm size at 1.0m. C/C.and with A.C.Plain sheet includingfixing in position, etc., complete with necessary iron hold fasts.(ISI STD)	1sq.m.	1726.00	1726.00	1726.00
BD-630	Supplying and fixing B.R.C.weldmesh partition with best IndianT.W.frames 75x50mm at 1.0m C/C.in length wise and 60cm C/C at cross wise including fixing in position by drilling holes in theframes etc.,complete. The partition shall be fixed with necessary iron hold fasts. The size of weldmesh will be 75x25mm.(ISI STD)	1sq.m	2148.00	2148.00	2148.00

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BD-631	Supplying and fixing B.R.C.weldmesh partition without teakwood frames including fixing in position in the existing frames with teakwood fillets, etc., complete. The size of weldmesh will be 75 x 25mm. (ISI STD)	1sq.m.	867.83	867.83	867.83
BD-632	Supplying and fixing plywood partition with Teakwood frames of 75x50mm size and with 3mm thick commercial plywood fixed with screws and nails including fixing in position with 4Nos of iron hold fasts 50x6x230mm size etc.,complete.(ISI STD)	1sq.m.	2038.00	2038.00	2038.00
BD-632B	Providing and fixing false ceiling with best Indian T.W.frames to the size of 100x75mm in length wise and of 50x50mm cross wise and one side T.W.Play with necessary T.W.reepers to the size of 50x12mm and necessary screws etc.,complete as directed during execution.(ISI STD)	1sq.m.	3170.50	3170.50	3170.50
BD-634	Supplying and fixing bamboo mat thatty partition with bamboo mats outer skin thick with solid bamboos 50mm thick for frames alround on both sides, cross pieces and verticals at 1.20m apart and bamboo splits 25mm wide for diagonal on both sides tied with 18B.W.G.wires,nails,fine fibre etc.,complete.	1sq.m.	281.81	281.81	281.81
BD-635	Bamboo trellies work with opening 50x50mm with thick bamboosplits 25mm wide tied on strong bamboo frames 50mm dia.alround including wire nails and fixing in position,etc.,complete.	1sq.m.	155.02	155.02	155.02

BD-636	Supplying and fixing barbed wire fencing over the proposed compound wall with 'L' angle iron post 50x50x60mm bend to shape at 2.5m centres with 6 rows of barbed wire and also in zigzag manner at 68cm c/c connecting all the rows with barbed wire ply or other approved size including drilling holes in 'L' iron posts and fixing the posts in cement concrete 1:2:4 of size 15x15x45cm two coats or ready mixed superior paint of approved colour and make over a coat of approved primer as directed during execution.	1m.	292.37	291.73	290.98
BD-637	Supplying and fixing barbed wire fencing over the existing compound wall with 'L' angle iron post 50x50x6mm size bend to shape at 2.5m centres with 6 rows of barbed wire and also in zigzag manner at 68cm c/c connecting all the rows with barbed wire 2 ply or other approved size including drilling holes in 'L' angle iron posts and fixing the posts in cement concrete 1:2:4 of size 15x15x45cm including dismantling the existing brick work for laying concrete blocks and plastering with C.M. 1:2:4, 12mm thick including painting two coats with ready mixed paint over a coat of approved primer etc., complete as directed during execution. (ISI STD)	1m.	293.57	292.93	292.18

BD-638	Supplying and providing chain link fence with RCC posts. The RCC posts will be of 2.5m c/c and of 2.75m height. The post will be 100mm square at top and 150mm square at bottom 2.15m height above ground level and 0.60m below ground level, in RCC 1:2:4 mix using 12 to 20mm gauge stone jelly with necessary reinforcement moulding work and rendering smooth with cement at 15kg/cu.m. etc., complete and fixed in CC foundation in 1:4:8 using 40mm size stone jelly. The foundation is of size 45x45x90cm with sand filling 15cm height. The fencing will be of chain link 75mm size, 10 gauge. The height of fence is 2.0m after leaving 75mm gap from ground level including fixing the fence with the posts using G.I. binding	1m.	1103.46	1089.87	1074.12
BD-638A	Supplying and providing chain link fence with RCC posts. The RCC posts will be of 2.5m c/c and of 2.75m height. The post will be 100mm square at top and 150mm square at bottom 2.15m height above ground level and 0.60m below ground level, in R.C.C 1:1.5:3 mix using 12 to 20mm gauge stone jelly with necessary reinforcement moulding work and rendering smooth with cement at 15kg/cu.m etc., complete and fixed in c.c. foundation in 1:4:8 using 40mm size stone jelly. The foundation is of size 45x45x90 with sand filling 15cm height. The fencing will be of chain link 75mm size, 10 gauge. The height of fence is 2.0m after leaving 75mm gap from ground level including fixing the fence with the posts using G.I binding wire, etc.	1m.	1103.46	1089.87	1074.12

BD-639	Supplying and fixing wire fencing with concrete posts. The RCC posts will be 2.2m height (1.75m above ground level) 125mm sq.atbottom and 75mm sq.at top in RCC 1:2:4 mix with necessaryreinforcement moulding work and rendering smooth with cement at15kg/cu.m.etc.,complete and embedded in stone jelly concrete 40mmsize in cement mortar 1:4:8 of 45x45x45cm with sand filling 15cm height. The barbed wire fencing of 5 rows horizontally and 7 rowsvertically. The RCC posts will be at 2.5m. c/c and the barbedwire will be of 2 ply and 12 gauge etc.,as directed duringexecution.(ISI STD)	1m.	642.56	631.74	619.20
BD-639A	Supplying and fixing wire fencing with concrete posts. The RCC posts will be 2.2m height (1.75m above ground level) 125mm sq.at bottom and 75mm sq.at top in RCC 1:1.5:3 mix with necessary reinforcement moulding work and rendering smooth with cement at15kg/cu.m.etc.,complete and embedded in stone jelly concrete 40mm size in cement mortar 1:4:8 of 45x45x45cm with sand filling 15cm height. The barbed wire fencing of 5 rows horizontally and 7 rows vertically. The RCC posts will be at 2.5m. c/c and the barbed wire will be of 2 ply and 12 gauge etc.,as directed during execution.(ISI STD)	1m.	642.56	631.74	619.20

BD-640	Supplying and fixing wire fencing with RCC posts. The RCC postswill be 2.2m.height (1.75m above ground level) 125mm sq.at bottomand 75mm sq.at top and 2.5m. c/c in RCC 1:2:4 mix with necessaryreinforcement moulding work and rendering smooth with cement at15kg/cu.m.etc.,complete and fixing in stone jelly concrete inC.M.1:4:8 of 45x45x45cm with sand filling 15cm thick. The barbedwire will be of 2 ply and 12 gauge. The barbed fencing is of 5rows in horizontals and with diagonals,etc., complete as directedduring execution.(ISI STD)	1m.	608.76	597.94	585.40
BD-640A	Supplying and fixing wire fencing with RCC posts. The RCC postswill be 2.2m.height (1.75m above ground level) 125mm sq.at bottomand 75mm sq.at top and 2.5m. c/c in RCC 1:1.5:3 mix with necessaryreinforcement moulding work and rendering smooth with cement at15kg/cu.m.etc.,complete and fixing in stone jelly concrete inC.M.1:4:8 of 45x45x45cm with sand filling 15cm thick. The barbedwire will be of 2 ply and 12 gauge. The barbed fencing is of 5rows in horizontals and with diagonals,etc., complete as directed during execution.(ISI STD)	1m.	608.76	597.94	585.40
BD-641	Supplying and fixing barbed wire fencing with existing concretoposts. The barbed fencing is of 5 rows horizontally and 7 rows vertically. The barbed wire will be of 2 ply including binding the wire with the posts,etc.,complete as directed duringexecution.(ISI STD)	1m.	135.91	135.91	135.91

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BD-642	Supplying and fixing wire fencing with the existing concrete posts. The barbed wire fencing is of 5 rows horizontally and with diagonals. The barbed wire will be of 2 play including binding the wire with the posts, etc., complete as directed during execution. (ISI STD)	1m.	97.90	97.90	97.90
BD-643	Providing and fixing RCC posts for fencing. The posts will be of 2.2m height, 1.75m above ground level, 125mm sq. at bottom and 75mm sq. at top in RCC 1:2:4, mix with necessary reinforcement, moulding work and rendering smooth with cement at 15kg/cu.m. etc., complete and embedded in stone jelly concrete 40mm gauge in C.M. 1:4:8 of 45x45x45cm size with sand filling of 15cm height etc., complete as directed during execution.	1post.	1277.62	1250.56	1219.22
BD-643A	Providing and fixing RCC posts for fencing. The posts will be of 2.2m height, 1.75m above ground level, 125mm sq. at bottom and 75mm sq. at top in RCC 1:1.5:3 mix with necessary reinforcement, moulding work and rendering smooth with cement at 15kg/cu.m. etc., complete and embedded in stone jelly concrete 40mm gauge in C.M. 1:4:8 of 45x45x45 cm size with sand filling of 15cm height etc., complete as directed during execution.	1post.	1277.62	1250.56	1219.22
BD-644	Fixing the existing RCC posts in stone jelly concrete blocks in C.M. 1:4:8 of 45x45x45cm size for the fencing for repair works etc., complete.	1post.	685.17	661.70	634.54

BD-647	Supplying and fixing asbestos cement plain sheets for blackboards with Best Indian Teak Wood reepers for frames fixed with wooden plugs including painting the board with approved blackboard paint and varnishing the wooden frames,etc.complete andfixing in position,etc.,	1sq.m.	1302.80	1302.80	1302.80
BD-648	Supplying and fixing broken glass pieces on the coping of the compound wall with C.M.1:3(1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) 20mm thickincluding curing etc.,complete as directed at site.	1sq.m.	310.96	308.40	305.41
BD-649	Providing band course work flat 10 to 12mm thick and 50mm deepwith cement mortar 1:3 (1cement and 3 Crushed Stone Sand (Commercially called M-Sand)) including rendering smooth,curing, etc., complete as directed during execution.	1m.	183.94	183.83	183.71
BD-650	Providing band course work flat 10 to 12mm thick and 65mm deepwith cement mortar 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) including rendering smooth, curing,etc.,complete as directed during execution.	1m.	215.17	215.03	214.88
BD-651	Providing band course work flat 12mm thick and 75mm deep withcement mortar 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) including rendering smooth,curing, etc., complete as directed during execution.	1m.	229.38	229.22	229.04
BD-652	Sunk work 50mm wide 6mm to 12mm deep including finishing,etc.,complete as directed at site.	1m.	168.08	168.08	168.08
BD-653	Sunk work 70mm wide and 6 to 12mm deep including finishing etc.,complete as directed at site.	1m.	206.25	206.25	206.25

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BD-654	Providing band cornice work 230mm wide and 50mm deep using country brick in cement mortar 1:4 (1 cement and 4 Crushed Stone Sand (Commercially called M-Sand)) plastered with cement mortar 1:4 (1 cement and 4 riversand),12mm thick including rendering smooth with cement at 22.5kgper 15m length, curing,necessary scaffolding and centering,etc.,complete as directed during execution.	1m.	204.64	202.91	201.89
BD-655	Providing band cornice work 350mm wide and 75mm deep using country bricks in cement mortar 1:4 (1 cement and 4 Crushed Stone Sand (Commercially called M-Sand)) plastered with cement mortar 1:4 (1 cement and 4 Crushed Stone Sand (Commercially called M-Sand)),12mmthick including rendering smooth with cement at 22.5kg per 15m length,curing,necessary scaffolding and centering,etc.,completeas directed during execution.	1m.	283.39	280.92	279.57
BD-656	Construction of urinal drains 15cm wide (semicircular) with 60cmwide platform using stock bricks first class 75mm thick size in C.M.1:6,11cm thick on one end (i.e.urinal side) and 16cm.thick onother end (tapered) and plastering over the brick work in C.M.1:3,12mm thick for platform, drain channels,etc.,and rendering smooth,including curing,etc.,complete.	1m.	1040.56	1026.11	1024.13

BD-657	Construction of urinal drain 15cm wide with white glazed semicircular channel and 50cm wide platform in brick work with C.M.1:4,11cm.thick on one end (urinal side) and 16cm thick on other end glazed tiles at top and sides of the platform including pointing with white cement,etc.,complete.	1m.	1938.00	1924.00	1922.00
BD-657A	Construction of 15cm wide urinal drain for urinals with a dwarfwall of 11cm thick stock brick work in C.M.1:4 to an average height of 15cm including plastering the top with cement mortar1:3,12mm thick. The drain will be formed to shape with 12mm thick plastering in C.M.1:3 including finishing smooth the curves with cement,etc.,complete.	1m	461.15	457.75	456.62
BD-659	Supplying and fixing G.I.Pipe flag staff 50mm dia and 360cm long and top will be sealed with ornamental cast iron socket including M.S.clamps and provision to be made for clamps and rings for hoisting including rope etc.,complete and painting two coats. The staff is to be fixed on suitable ornamental reinforced cement concrete blocks as instructed during execution.(ISI STD)	1No.	1425.00	1422.00	1419.00
BD-660	ROLLING SHUTTERS (WITH ISI MONOGRAM) Supplying and erecting pull and push type rolling shutter with I.S.I make of approved size and section using 18 G.I sheet. The shutter shall be painted with one coat of red oxide primer and the rate is inclusive of Hood covers, transportation charges etc(Manually operated up to 8 sq.m. area)	1sq.m.	2131.00	2131.00	2131.00

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BD-660A	ROLLING SHUTTERS (WITH ISI MONOGRAM) Supplying and erecting pull and push type rolling shutter with I.S.I make of approved size and section using 18 G.I sheet. The shutter shall be painted with one coat of red oxide primer and the rate is inclusive of Hood covers, transportation charges etc(GEAR operated type from 8 sq.m. to 12 sq.m area)	1sq.m.	2373.00	2373.00	2373.00
BD-660B	ROLLING SHUTTERS (WITH ISI MONOGRAM) Supplying and erecting pull and push type rolling shutter with I.S.I make of approved size and section using 18 G.I sheet. The shutter shall be painted with one coat of red oxide primer and the rate is inclusive of Hood covers, transportation charges etc(Electrically operated type exceeding 12 sq.m. area)	1sq.m.	2575.00	2575.00	2575.00
BD-661	ROLLING GRILLS (WITH ISI MONOGRAM) Supplying and erecting pull and push type rolling shutter with I.S.I make of approved size and section using 18 G.I sheet. The shutter shall be painted with one coat of red oxide primer and the rate is inclusive of Hood covers, transportation charges etc(Manually operated type up to 8 sq.m. area)	1sq.m.	2171.00	2171.00	2171.00
BD-661A	ROLLING GRILLS (WITH ISI MONOGRAM) Supplying and erecting pull and push type rolling shutter with I.S.I make of approved size and section using 18 G.I sheet. The shutter shall be painted with one coat of red oxide primer and the rate is inclusive of Hood covers, transportation charges etc(GEAR operated type from 8 sq.m. to 12 sq.m area)	1sq.m.	2444.00	2444.00	2444.00

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BD-661B	ROLLING GRILLS (WITH ISI MONOGRAM) Supplying and erecting pull and push type rolling shutter with I.S.I make of approved size and section using 18 G.I sheet. The shutter shall be painted with one coat of red oxide primer and the rate is inclusive of Hood covers, transportation charges etc(Electrically operated type exceeding 12 sq.m. area)	1sq.m.	2716.00	2716.00	2716.00
BD-662A	Making and fixing M.S.Sheet gate of required size with twoshutters using necessary M.S.Flats 25x6mm, M.S.Angles 50x50x6mm and M.S.Sheet 5mm thick (7gauge) providing gun metal caps 75mmsize pintols, latches 25cm size for locking arrangements, name boards (C.M.) including cutting iron members, welding fixing gatein position,etc.,complete as directed during execution.(The design of gate furnished is subject to alteration during execution.) (ISI STD)	1sq.m.	2100.00	2100.00	2100.00
BD-662B	Supplying and fixing M.S.Grill gate of required size in two shutters with necessary iron members, gun metal cups and wheels 75mm dia. with fittings locking arrangements,etc.,complete,includ ing painting a priming coat of approved primer,etc., complete (The design of gate furnished is subject to alteration during execution.)	1kg.	80.90	80.90	80.90

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BD-662C	Supplying and fixing of M.S.Grills for Windows/Verandah/Ventilators Grill of standard rectangular design using 25mmx10mm M.S.Flats for outer frame and 20mmx5mm M.S.Flats for inner frame and for inner grill portion. The Vertical grill spacing should be 9.6cm. The centre portion spacing in between two grills should be 14.5cm. 10 Nos of hold fasts of size 25mmx10mm for fixing the grill for Verandah and 8 Nos of hold fasts	1sq.m.	1644.00	1644.00	1644.00
BD-663	Supplying and mixing approved quality water proofing compound at 2% by weight of cement, with the mortar, etc., complete. (ISI STD)	1sq.m.	11.22	11.22	11.22
BD-664	Supplying 50mm size six lever type (brass) lock of superior make (Godrej or Tiger) with relevant ISI STD keys in duplicate.	1No.	394.00	394.00	394.00
BD-665	Writing name boards for the school buildings and other institution of Corporation of Madras with the size of letters 5cm to 25cm as directed after scrapping the old paint from name boards and re-painting with two coats of superior quality of paint on both sides and then writing the letters at front face of the board with the above size of letters including scaffolding, etc., complete as directed during execution.	1sq.m.	1922.00	1922.00	1922.00

BD-666	Supplying and fixing P.V.C. pipe 110mm dia rain water down fallpipe as per ISI standard (I.S.4985)including P.V.C.Bends without door arrangements, shoes, gratings with F.I.Clamps 40mmx20mm of suitable size fixed to wooden plugs embedded in walls in cementmortar 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand) including cutting holes inwalls and making good the same after fixing the plugs,etc.complete as directed during execution.	1m.	346.52	346.52	346.52
BD-667	Supplying and fixing P.V.C. pipe 110mm dia rain water downfall pipe as per ISI standard (I.S.4985) with door arrangements including P.V.C.Bend, shoes, grating with F.I.clamps 40mmx20mm of suitable size fixed to wooden plugs embedded in walls in cement mortar 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) including cutting holes in walls and making good the same after fixing the plugs etc.complete as directed during the execution.	1m.	360.72	360.72	360.72
BD-668	Supplying and fixing PVC 160mm dia rain water down fail pipe asper ISI standard (I.S.4985) including PVC bends without door arrangements shoes, gratings with clamps of suitable size fixed to wooden plugs embeded in walls in cement mortar 1:3 (1 cement,3 Crushed Stone Sand (Commercially called M-Sand) including cutting beles in walls and making good the same after fixing the plugs etc., complete as directed during execution.	1m.	541.02	541.02	541.02

BD-669	Supplying and fixing P.V.C.pipe 160mm dia rain water downfall pipe as per ISI standard (I.S.4985) with door arrangements including P.V.C.Bend, shoes grating with F.I.clamps 40mm x 20mm of suitable size fixed to wooden plugs embedded in walls incement mortar 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) including cutting holes in walls and making good the same after fixing the plugs etc.,complete as directed during the execution.	1m.	554.08	554.08	554.08
BD-680	Supplying and fixing 15mm dia Class G.I.Pipe including cutting, threading and jointing with necessary specials fixing towall with clamps and screws including making holes in the wall or drilling holes in roof and making good the wall or roof after fixing with necessary scaffolding,etc.,complete.	1m.	205.00	205.00	205.00
BD-681	Supplying and fixing 20mm dia G.I.pipe including cutting, threading and jointing with necessary specials fixing to wall with clamps and screws including making holes in the wall or drilling holes in roof and making good the wall or roof after fixing with necessary scaffolding,etc.,complete.	1m.	237.00	237.00	237.00
BD-681A	Supplying & Jointing 20mm dia PVC pipe.including cutting, threading and jointing with necessary specials fixing to wall with clamps and screws including making holes in the wall or drilling holes in roof and making good the wall or roof after fixing with necessary scaffolding,etc.,complete.	1m.	132.88	132.88	132.88

BD-682	Supplying and fixing 25mm dia Class G.I.Pipe including cutting, threading and jointing with necessary specials fixing to wall with clamps and screws including making holes in the wall or drilling holes in roof and making good the wall or roof after fixing with necessary scaffolding,etc.,complete.	1m.	307.00	307.00	307.00
BD-682A	Supplying & Jointing 25mm dia PVC pipe.including cutting, threading and jointing with necessary specials fixing to wall with clamps and screws including making holes in the wall or drilling holes in roof and making good the wall or roof after fixing with necessary scaffolding etc.,complete	1m.	148.17	148.17	148.17
BD-683	Supplying and fixing 40mm dia G.I.Pipe including cutting, threading and jointing with necessary specials fixing to wall with clamps and screws including making holes in the wall or drilling holes in roof and making good the wall or roof after fixing with necessary scaffolding etc.,complete.	1m.	399.00	399.00	399.00
BD-683A	Supplying and Jointing 40mm dia P.V.C pipe.including cutting, threading and jointing with necessary specials fixing to wall with clamps and screws including making holes in the wall or drilling holes in roof and making good the wall or roof after fixing with necessary scaffolding etc.,complete	1m.	197.92	197.92	197.92
BD-684	Supplying and fixing 50mm dia G.I.Pipe including cutting, threading and jointing with necessary specials fixing to wall with clamps and screws including making holes in the wall or drilling holes in roof and making good the wall or roof after fixing with necessary scaffolding,etc.,complete.	1m.	500.00	500.00	500.00

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BD-684A	Supplying & Jointing 50mm dia P.V.C.pipe.including cutting, threading and jointing with necessary specials fixing to wall with clamps and screws including making holes in the wall or drilling holes in roof and making good the wall or roof after fixing with necessary scaffolding etc.,complete	1m.	241.14	241.14	241.14
BD-685	Supplying and fixing 15mm dia wheel valve.	1No.	275.00	275.00	275.00
BD-686	Supplying and fixing 20mm dia wheel valve.	1No.	351.00	351.00	351.00
BD-687	Supplying and fixing 25mm dia wheel valve.	1No.	529.00	529.00	529.00
BD-688	Supplying and fixing 40mm dia wheel valve.	1No.	884.00	884.00	884.00
BD-689	Supplying and fixing 50mm dia wheel valve.	1No.	1069.00	1069.00	1069.00
BD-689B	Supplying and fixing 32mm dia wheel valve.	1No.	728.00	728.00	728.00
BD-690	Supplying and fixing 15mm dia check valve.	1No.	247.00	247.00	247.00
BD-691	Supplying and fixing 20mm dia check valve.	1No.	335.00	335.00	335.00
BD-692	Supplying and fixing 25mm dia check valve.	1No.	479.00	479.00	479.00
BD-692A	Supplying and fixing 32mm dia check valve.	1No.	699.00	699.00	699.00
BD-693	Supplying and fixing 40mm dia check valve.	1No.	825.00	825.00	825.00
BD-694	Supplying and fixing 50mm dia check valve.	1No.	1128.00	1128.00	1128.00
BD-695	Supplying and fixing 15mm dia PVC ball valve.	1No.	425.00	425.00	425.00
BD-696	Supplying and fixing 20mm dia PVC ball valve.(ISI STD)	1No.	545.00	545.00	545.00
BD-697	Supplying and fixing 25mm dia PVC ball valve.	1No.	849.00	849.00	849.00
BD-698	Supplying and fixing 40mm dia ball valve.	1No.	1981.00	1981.00	1981.00
BD-698A	Supplying and fixing 15mm dia ball valve.	1No.	3058.00	3058.00	3058.00
BD-698B	Supplying and fixing poly propylene 32mm dia ball valve (with p.v.c. ball)	1No.	1292.00	1292.00	1292.00
BD-699	Supplying and fixing 15mm dia G.M.gate valve.	1No.	386.00	386.00	386.00
BD-700	Supplying and fixing 20mm dia G.M.gate valve.	1No.	604.00	604.00	604.00
BD-701	Supplying and fixing 25mm dia G.M.Gate valve.	1No.	803.00	803.00	803.00

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BD-702	Supplying and fixing 40mm dia G.M.Gate valve.	1No.	1239.00	1239.00	1239.00
BD-703	Supplying and fixing 50mm dia G.M.Gate valve.	1No.	1486.00	1486.00	1486.00
BD-703B	Supplying and fixing 32mm dia G.M.Gate valve.	1No.	1008.00	1008.00	1008.00
BD-704	Supplying and fixing 15mm dia G.I.Union.	1No.	129.00	129.00	129.00
BD-705	Supplying and fixing 20mm dia G.I.Union.	1No.	137.00	137.00	137.00
BD-706	Supplying and fixing 25mm dia G.I.Union.	1No.	221.00	221.00	221.00
BD-706A	Supplying and fixing 32mm dia G.I.Union.	1No.	260.00	260.00	260.00
BD-707	Supplying and fixing 40mm dia G.I.Union.	1No.	323.00	323.00	323.00
BD-708	Supplying and fixing 50mm dia G.I.Union.	1No.	384.00	384.00	384.00
BD-709	Supplying and fixing 15mm dia Brass screw down tap.	1No.	78.00	78.00	78.00
BD-709A	Supplying and fixing brass screw down tap of size 20mm dia.	1No.	122.00	122.00	122.00
BD-710	Supplying and fixing P.V.C. screw down tap of size 15mm dia.	1No.	69.00	69.00	69.00
BD-710A	Supplying and fixing 15mm dia brass foot valve.	1No.	245.32	245.32	245.32
BD-710B	Supplying and fixing 20mm dia brass foot valve.	1No.	287.32	287.32	287.32
BD-710C	Supplying and fixing 25mm dia brass foot valve.	1No.	364.81	364.81	364.81
BD-710D	Supplying and fixing 40mm dia brass foot valve.	1No.	521.21	521.21	521.21
BD-710E	Supplying and fixing 50mm dia brass foot valve.	1No.	601.21	601.21	601.21
BD-710X	Supplying and fixing P.V.C. screw down tap of size 20mm dia.	1No.	84.00	84.00	84.00
BD-711	Supplying and fixing 60x45cm best Belgium mirror (bevelled edge)with plywood back,etc.,complete.	1No.	585.00	585.00	585.00

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BD-712	Supplying and fixing white glazed earthen ware wash basin of size 55x40cm of approved make with a pair of G.I.brackets, 15mm dia C.P.Pillar tap, 32mm C.P.waste fittings with rubber plugs and C.P.chain 32mm, 75cm long P.V.C.waste pipe with necessary union solder joint 90cm long with 15mm lead and brass connections with brass nuts and 15mm dia G.M.wheel valve and giving necessary connection,etc.,complete including cost of white lead, teakwood plug, screws, rubber washers including painting two coats of approved make and colour paint over etc.,complete. (wash basin should be got approved by the Buildings Engineer before use onworks).	1No.	2707.00	2707.00	2707.00
BD-712A	Supplying and fixing 55cm x 40cm colour glazed wash basin with lead and brass connection, C.P. pillar tap and other fittings,etc., complete.	1No.	3185.00	3185.00	3185.00
BD-713	Providing and fixing in position superior quality and approved make white glazed flat back lipped urinal of size 46.5x55.5x26.5cm with necessary specials such as P.V.C.waste pipe 32mm dia with bell mouth opening and 75cm long lead and brass connection, 15mm dia wheel valve etc.,including fixing with necessary teakwood wall plugs, screws, etc.,and making good the walls,etc.,complete as directed during execution.	1No.	1671.00	1671.00	1671.00

BD-714	Construction of Inspection chamber of size 60x60x60cm with necessary earth work excavation, 40mm size brick jelly concrete in C.M.1:4:10 (1 cement, 4 Crushed Stone Sand (Commercially called M-Sand) and 10 broken brick jelly) stock brick work in c.M.1:y (1 cement and 6 Crushed Stone Sand (Commercially called M-Sand)) for 23cm thick wall, benching, channelling and plastering, interior, exterior and top with c.M.1:3 (1 cement and 3 river sand) 12mm thick and providing 7.5cm thick RCC loose slab covering in CC 1:2:4 (1 Cement, 2 Crushed Stone Sand (Commercially called M-Sand) and 4 blue granite broken stone jelly of 12mm to 20mm size) with necessary reinforcement and arrangements to lift for cleaning	1No.	6519.00	6519.00	6519.00
BD-714A	Construction of Inspection chamber of size 60x60x75cm with necessary earth work excavation, 40mm size brick jelly concrete in C.M.1:4:10 (1 cement, 4 Crushed Stone Sand (Commercially called M-Sand) and 10 broken brick jelly) stock brick work in c.M.1:y (1 cement and 6 Crushed Stone Sand (Commercially called M-Sand)) for 23cm thick wall, benching, channelling and plastering, interior, exterior and top with c.M.1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) 12mm thick and providing 7.5cm thick RCC loose slab covering in CC 1:2:4 (1 Cement, 2 Crushed Stone Sand (Commercially called M-Sand) and 4 blue granite broken stone jelly of 12mm to 20mm size) with necessary	1No.	7348.00	7348.00	7348.00

BD-714B	Construction of Inspection chamber of size 60x60x60cm with necessary earth work excavation, 40mm size brick jelly concrete in C.M. 1:4:10 (1 cement, 4 Crushed Stone Sand (Commercially called M-Sand) and 10 broken brickjelly) stock brick work in C.M., 1:6 (1 cement and 6 Crushed Stone Sand (Commercially called M-Sand))for 23cm thick wall, benching, channelling and plastering,interior, exterior and top with C.M. 1:3 (1 cement and 3 riversand), 12mm thick and providing 7.5cm thick R.C.C. loose slabcovering in C.C. 1:1.5:3 (1 cement, 1.5 Crushed Stone Sand (Commercially called M-Sand) and 3 bluegranite broken stone jelly of 12mm to 20mm size) with	1No.	5222.50	5222.50	5222.50
BD-714C	Construction of Inspection chamber of size 60x60x75cm with earthwork excavation for foundation with 23cm thick brick jelly cementconcrete bed in C.M.1:4:10 using 40mm brick jelly for foundation,brick work in C.M.1:6 for chambers, plastering with C.M.1:3,12mmthick,benching,cha nelling,75mm thick RCC loose slab covering inC.M.1:1.5:3 mix using 20mm blue granite jelly including necessaryreinforecement,etc.,co mplete.	1N0.	5864.50	5864.50	5864.50

BD-715	Construction of inspection chamber of size 60x60x90cm with necessary earth work excavation 40mm size brick jelly concrete in C.M. 1:4:10 (1 cement, 4 Crushed Stone Sand (Commercially called M-Sand) and 10 broken brick jelly) stock brick work in C.M. 1:6 (1 cement and 6 Crushed Stone Sand (Commercially called M-Sand)) for 23cm thick wall, benching, channelling and plastering, interior, exterior and top with C.M. 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)), 12mm thick and providing 7.5cm thick RCC loose slab covering in CC 1:2:4 (1 cement and 2 Crushed Stone Sand (Commercially called M-Sand) and 4 blue granite broken stone jelly of 12mm to 20mm size) with	1No.	8545.00	8545.00	8545.00
BD-715A	Construction of inspection chamber of size 60x60x90cm with necessary earth work excavation, 40mm size brick jelly concrete in C.M. 1:4:10 (1 cement, 4 Crushed Stone Sand (Commercially called M-Sand) and 10 broken brick jelly) stock brick work in C.M. 1:6 (1 cement and 6 Crushed Stone Sand (Commercially called M-Sand)) for 23cm thick wall, benching, channelling and plastering, interior, exterior, and plastering, interior, exterior and top with C.M. 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)), 12mm thick and providing 7.5cm thick R.C.C loose slab covering in C.C. 1:1.5:3 (1 cement, 1.5 Crushed Stone Sand (Commercially called M-Sand))	1No.	6854.50	6854.50	6854.50

BD-716	Construction of inspection chamber of size 60x60x120cm with necessary earth work excavation, 40mm size brick jelly concrete in C.M. 1:4:10 (1 cement, 4 Crushed Stone Sand (Commercially called M-Sand) and 10 broken brick jelly) stock brick work in C.M. 1:6 (1 cement and 6 Crushed Stone Sand (Commercially called M-Sand)) for 23cm thick wall, benching, channelling and plastering, interior, exterior, and top with C.M. 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)), 12mm thick and providing 7.5cm thick RCC loose slab covering in C.C. 1:1.5:3 (1 cement, 1.5 Crushed Stone Sand (Commercially called M-Sand) and 3 blue granite broken stone jelly of 12mm to 20mm size)	1No.	10553.00	10553.00	10553.00
BD-716A	Construction of Inspection chamber of size 60x60x120cm with necessary earth work excavation, 40mm size brick jelly concrete in C.M. 1:4:10 (1 cement, 4 Crushed Stone Sand (Commercially called M-Sand) and 10 broken brick jelly) stock brick work in C.M. 1:6 (1 cement and 6 Crushed Stone Sand (Commercially called M-Sand)) for 23cm thick wall, benching, channelling and plastering, interior, exterior, and top with C.M. 1:3 (1 cement and 3 riversand), 12mm thick and providing 7.5 cm thick R.C.C. loose slab covering in C.C. 1:1.5:3 (1 cement, 1.5 Crushed Stone Sand (Commercially called M-Sand) 3 blue granite broken stone jelly of 12mm to 20mm size) with necessary	1No.	8471.50	8471.50	8471.50

BD-717	Construction of Inspection chamber of size 60x60x150cm with necessary earth work excavation, 40mm size brick jelly concrete in C.M. 1:4:10 (1 cement, 4 Crushed Stone Sand (Commercially called M-Sand) and 10 broken brickjelly) stock brick work in C.M. 1:6 (1 cement and 6 Crushed Stone Sand (Commercially called M-Sand)) for 23cm thick wall, benching, channelling and plastering, interior, exterior, and top with C.M. 1:3 (1 cement and 3 riversand), 12mm thick and providing 7.5cm thick RCC loose slab covering in C.C. 1:2:4 (1 cement, 2 Crushed Stone Sand (Commercially called M-Sand) and 4 blue granite broken stone jelly of 12mm to 20mm size) with necessary reinforcement and	1No.	12889.00	12889.00	12889.00
BD-717A	Construction of Inspection Chamber of size 60x60x150cm size with necessary earth work excavation, 40mm size brick jelly concrete in C.M. 1:4:10 (1 Cement 4 Crushed Stone Sand (Commercially called M-Sand) 10 broken brick jelly) stock brick work in C.M. 1:6 (1 Cement 6 Crushed Stone Sand (Commercially called M-Sand)) for 23cm thick wall, benching, channelling, and plastering, interior exterior, and top with C.M. 1:3 (1 Cement 3 Crushed Stone Sand (Commercially called M-Sand)) 12mm thick and providing 7.5cm thick R.C.C. Loose slab covering in C.C. 1:1.5:3 (1 Cement 1.5 Crushed Stone Sand (Commercially called M-Sand) 3 blue granite broken stone jelly of 12mm to 20mm size) with	1No.	10347.50	10347.50	10347.50

BD-718	Construction of inspection chamber of size 60x60x90 cm with 45x45cm medium weight L.S.cover and frame including necessary earth work excavation for foundation and 23cm thick concrete bed in C.C.1:4:10 (1 cement, 4 Crushed Stone Sand (Commercially called M-Sand) and 10 broken brick jelly of 40mm size) and brick work in C.M.1:6 (1 cement and 6 riversand) for chamber including plastering, interior, exterior and top in C.M.1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) 12mmthick,etc.,complete as directed during execution.	1No.	9565.00	9565.00	9565.00
BD-718A	Construction of inspection chambers of 60x60x60cm sizeswith earth work excavation for foundation, 23cm thickconcrete bed using 40mm brick jelly concrete in C.M. 1:4:10 forfoundation, brick work in C.M. 1:6 for chambe, plastering withC.M. 1:3 12mm thick, benching, channelling, supplying and fixing45x45cm medium weight L.S. cover and frame, etc., complete(M.D.49)	1No.	7543.00	7543.00	7543.00
BD-718B	Construction of inspection chambers of 60x60x75cm sizeswith earth work excavation for foundation, 23cm thickconcrete bed using 40mm brick jelly concrete in C.M. 1:4:10 forfoundation, brick work in C.M. 1:6 for chambe, plastering withC.M. 1:3 12mm thick, benching, channelling, supplying and fixing45x45cm medium weight L.S. cover and frame, etc., complete(M.D.48)	1No.	8372.00	8372.00	8372.00

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BD-718C	Construction of inspection chambers of 60x60x105 cm sizes with earth work excavation for foundation, 23cm thick concrete bed using 40mm brick jelly concrete in C.M. 1:4:10 for foundation, brick work in C.M. 1:6 for chamber, plastering with C.M. 1:3 12mm thick, benching, channelling, supplying and fixing 45x45cm medium weight L.S. cover and frame, etc., complete (M.D.46)	1No.	10711.00	10711.00	10711.00
BD-719	Construction of Inspection chamber of size 60x60x120cm with 45x45cm medium weight L.S. cover and frame including necessary earth work excavation for foundation and 23cm thick concrete bed in C.C. 1:4:10 (1 cement, 1 Crushed Stone Sand (Commercially called M-Sand) and 10 broken brick jelly 40mm size) for foundation and brick work with C.M. 1:6 (1 cement and 6 Crushed Stone Sand (Commercially called M-Sand)) for chamber including plastering interior, exterior and top with C.M. 1:3 (1 cement and 3 river sand), 12mm thick, etc., complete as directed during execution.	1No.	11898.00	11898.00	11898.00

BD-719A	Construction of Inspection chamber of size 60x60x150cm size with earth work excavation for foundation and 23cm thick concrete bed using C.C.1:4:10 (1 cement, Crushed Stone Sand (Commercially called M-Sand) and 10 broken brick jelly 40mm size) for foundation and brick work with C.M.1:6(1 cement and 6 Crushed Stone Sand (Commercially called M-Sand)) for chamber including plastering with C.M.1:3 (1 cement and 3 riversand),12mm thick benching channelling Supplying and fixing 45x45cm medium weight L.S cover and frame ,etc.,complete	1No.	13913.00	13913.00	13913.00
BD-720	Supplying stoneware pipe 100mm dia including laying with proper slope and jointing with cement and yarn and necessary earth work excavation, shoring, shuttering, dewatering, ramming and consolidating, etc.,complete for depths of 90cm.	1m	342.37	342.19	341.97
BD-721	Supplying stoneware pipe 100mm dia including laying with proper slope and jointing with cement and yarn and necessary earth work excavation shoring, shuttering, dewatering, ramming and consolidating, etc.,complete upto 150cm depth.	1m	420.50	420.32	420.10
BD-722	Supplying stoneware pipe 150mm dia including laying with proper slope and jointing with cement and yarn and necessary earth work excavation, shoring, shuttering, dewatering, ramming and consolidating, etc., complete for depths of 90cm.	1m.	457.05	456.77	456.45

BD-723	Supplying stoneware pipe 150mm dia including laying with proper slope and jointing with cement and yarn and necessary earth work excavation, shoring, shuttering, dewatering, ramming and consolidating, etc., complete for depths of 150cm.	1m.	535.18	534.90	534.58
BD-724	Supplying and fixing 15x10cm stoneware gully with 'P' or 'S' trap with 15x15cm C.I. grating and 10cm dia S.W. bend including 40mm size brick jelly concrete in C.M. 1:4:10 (1 cement, 4 Crushed Stone Sand (Commercially called M-Sand) and 10 broken brick jelly 40mm gauge), 10cm thick around the gully, 11cm thick wall with stock brick work in C.M. 1:4 (1 cement and 4 Crushed Stone Sand (Commercially called M-Sand)) upto ground level and plastering with C.M. 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)), 12mm thick for gully silt pit of size 15x15cm etc., complete.	1No.	1982.00	1982.00	1982.00
BD-725	Supplying and fixing in position best Indian type water closet 51cm of superior quality and approved make white glazed earthenware with 'P' or 'S' trap and a pair of porcelain footrest and forming flooring around water closet using 40mm size broken brick jelly concrete in C.C 1:4:10 (1 cement, 4 Crushed Stone Sand (Commercially called M-Sand) and 10 broken brick jelly) and sand filling around the closet including finishing the surface with C.M. 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) 20mm thick including making good all the disturbed portions, etc., complete.	1No.	2483.00	2483.00	2483.00

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BD-725A	Supplying and fixing 51cm colour glazed water closet pan with 'p'or 's' trap including foot rests (colour glazed) and supplying,laying 100mm dia S.W.P. concrete encasing the W.c., appurtenance,etc.,complete.	1No.	2765.00	2765.00	2765.00
BD-726	Supplying and fixing White glazed water closet pan of 51cm size without trap but with cement foot rests 25x12.5cm including 100mm dia stoneware stand pipe, 15x10cm S.W. 'T' junction 150mm dia through lime concrete around the closet, stand pipe and neat finishing of water closet apartment 120x90cm,etc.,complete asdirected during execution.	1No.	6905.00	6854.00	6838.00
BD-727	Removing the broken 51cm white glazed water closet pan without damaging to the existing sewer connections renewing the same with new one with cement foot rests including finishing of 120x90cm water closet apartments flooring in all respects etc., as directed during execution.	1No.	2183.00	2144.00	2136.00
BD-728	Removing the broken 51cm white glazed water closet pan including stand pipe S.W.'T', stoneware pipe,etc.,and renewing the same with necessary cement foot rests and encasing with brick jelly concrete in C.M.1:4:10 (1 cement, 4 Crushed Stone Sand (Commercially called M-Sand) and 10 broken brick jelly) finishing the flooring in all respects,etc.,complete.	1No.	2128.00	2128.00	2128.00
BD-729A	Providing and fixing 75mm dia Nahini trap (floor trap) with brassgratings.	1No.	670.00	670.00	670.00
BD-730	Supplying and fixing stoneware bend 100mm dia.(1/4 or 1/8 bend for W.C.)	1No.	103.00	103.00	103.00
BD-731	Supplying and fixing 100mm dia A.C.Soil or vent pipe.	1m.	258.40	258.40	258.40

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BD-732	Supplying and fixing 100mm dia A.C.Soil or vent pipe bend without door arrangements.	1No.	71.70	71.70	71.70
BD-733	Supplying and fixing 100mm dia A.C.Soil or vent pipe bend withdoor arrangements.	1No.	115.00	115.00	115.00
BD-734	Supplying and fixing 100mm dia A.C.vent cowl (Slotted type).	1No.	94.26	94.26	94.26
BD-735	Supplying and fixing 100mm dia cast iron soil or vent pipe.	1m.	749.20	749.20	749.20
BD-735A	Providing and fixing 50mm dia cast iron soil or vent pipe.(MD 30)	1m.	595.70	595.70	595.70
BD-736	Supplying and fixing 100mm dia C.I.Soil or vent pipe bend withdoor arrangements.	1No.	295.72	295.72	295.72
BD-736A	Providing and fixing 50mm dia C.I.Soil or vent pipe bend without door arrangements.(MD 32)	Each	198.77	198.77	198.77
BD-737	Supplying and fixing 100mm dia C.I.Soil or vent pipe bend with door arrangements.	1No.	247.68	247.68	247.68
BD-737A	Supplying and fixing 50mm dia C.I.Soil or vent pipe bend without door arrangements.(MD 34)	Each	150.74	150.74	150.74
BD-738	Supplying and fixing white glazed earthen ware 45x30x15cm laboratory sink with C.I.brackets one pair, 32mm P.v.C. wastepipe (Bell mouth opening) for 75cm long, 15mm lead and brass connections, 15mm dia wheel valve and necessary clamps, bolts,nuts, etc.,complete.	1No.	2450.00	2450.00	2450.00
BD-739	Supplying and fixing chromium plated brass soap dish.	1No.	274.00	274.00	274.00
BD-740	Supplying and fixing chromium plated brass towel rail 60cm long.	1No.	403.00	403.00	403.00
BD-741	Providing enamel indication board with proper male or female figure of size 35x30cm as directed.	1No.	225.00	225.00	225.00
BD-742	Supplying and fixing L.S cover and frame 60x60cm size including necessary masonry work with cement mortar, fixing inposition,etc.,complete.	1No.	2917.00	2917.00	2917.00

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BD-743	Supplying and fixing L.S cover and frame 45x45cm including necessary masonry work in cement mortar,fixing inposition,etc.,complete.	1No.	2277.00	2277.00	2277.00
BD-744	Supplying and fixing 100mm dia cast iron 'Y' junction with door arrangements including necessary clamps etc.complete	1No.	798.59	798.59	798.59
BD-745	Supplying and fixing stone ware oblique or Y junction 100mmx100mm dia. in the existing sewer line including necessary earthwork excavation, refilling, ramming, clearing bedris, carting materials, etc., complete upto 2m deep for1 no. (M.D.24)	1No.	957.00	957.00	957.00
BD-746	Supplying and fixing stall urinal with 32mm dia bell mouth wastepipe, 15mm dia wheel valve and 15mm dia lead and brassconnection, etc.,complete.	1No.	1483.00	1483.00	1483.00
BD-747	Supplying and fixing white glazed squatting urinal of 60cm lengthin C.M.1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) and pointing with cement,finishing the surface neatly, curing, etc.,complete.	1No.	753.88	752.66	751.24
BD-748	Supplying and fixing in position cast iron steps of approved quality and make.	1No.	364.00	364.00	364.00
BD-749	Providing locking arrangements over the C.I.cover with necessary M.S.flats as directed during execution.	1No.	671.49	671.52	671.49
BD-750	Supplying and fixing hand pump No.2 with coupling, washers and necessary accessories etc.,complete.	1No.	658.00	658.00	658.00
BD-751	Supplying and fixing hand pump No.4 and coupling, washers and necessary materials etc.,complete.	1No.	610.00	610.00	610.00

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BD-752	Sinking of Tube Well Pump No.4 with 40mm dia G.I.Pipe to a depth of 7.32m including filter point 40mm dia, 40mm dia G.M.check valve, 40mm dia Barrel nipple. 40mm dia coupling and necessary specials, including masonry pedestal in C.M.1:3 of size 23x23x61cm and plastering in C.M.1:3,12mm thick,etc.,complete.	1No.	9153.00	9148.00	9147.00
BD-753	Country wood wrought and put up(scantling) for Trusses and Rafters,etc.,	1cu.m.	70659.00	70659.00	70659.00
BD-754	Honey comb work using stock bricks 1st sort 9"x4 1/2"x3" in C.M.1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) 3/4" thick joints. The joints shall have 2 1/4" lap and maintaining 4 1/2" holes. The exposed surfaces and holes shall be colour washed two coats of approved colour over one coat of white washing,etc.,complete.	1sq.m.	712.12	704.94	706.06
BD-755	Supplying and paving with Bangalore stone for elevation work set in C.M.1:2 (1 cement and 2 Crushed Stone Sand (Commercially called M-Sand)) 20mm thick and neatly pointed with the same mortar including cutting, dressing to size and fixing in position with necessary scaffolding, curing,etc., complete as directed during execution.(ISI STD)	1sq.m.	2602.00	2600.00	2597.00

BD-756	Supplying and paving shahabed stone work for elevation work. Shahabad stone thickness shall be 25mm to 31mm set in C.M.1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)),20mm thick and pointing stone with the same cement mortar including fixing in position and finishing neatly with necessary scaffolding curing,etc.,complete asdirected during execution.(ISI STD)	1sq.m.	1387.86	1384.19	1379.92
BD-757	Supplying and fixing cut stone (granite stone) of size1.06x0.45x0.10m to sizes all faces are line dressed over cement mortar 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) 25mm thick of finished smooth, etc., complete.	1No.	697.57	696.11	694.40
BD-757B	Supplying and fixing Rajasthan Kota stones 20mm thick of size 60cm x60cm (Mechine edge finishing fully polished)over the existing base course including fixing the slab in cm 1:3, etc complete.	1sq.m.	791.56	789.12	786.28
BD-757C	Supplying and fixing Rajasthan Kota stones 20mm thick of size 60cm x60cm (Mechine edge finishing fully polished)over the existing base course including fixing the slab in cm 1:3, etc complete. (one part of cement and three parts of crushed stone sand) (The crushed stone sand to be used in base mortar shall conform to gradation as per IS 1542-1977)	1sq.m	768.96	766.52	763.68

BD-758	Supplying and fixing barbed wire fencing over the proposed compound wall with 'Y' shape M.s.angles 50x50x6mm bent to shapeat 250cm c/c with 9 rows of barbed wire and also in a zigzag manner at 25cm c/c connecting all the rows with the barbed wire 2ply or other approved size including painting two coats over acoat of priming coat, drilling holes in M.S.angles part and fixing the part in plain cement concrete 1:2:4 of size15x15x45cm. The height of the angle part above the wall 1.6metc., complete as directed during execution.	1m.	429.10	428.46	427.72
BD-759	Construction of rack with RCC tiers at 0.4m intervals pre-castRCC in cement concrete 1:2:4 (1 cement,2 Crushed Stone Sand (Commercially called M-Sand) and 4 stonejelly 12 to 20mm thick gauge) with necessary reinforcement foreach tier must be 0.04m thick and 0.23m projection from rear sidewall. The rear side and bottom side of rack shall be of P.M.brick work in C.M.1:4 (1 cement and 4 Crushed Stone Sand (Commercially called M-Sand)) 50mmthick.Each tier shall be inserted 40mm in brick pillar on eachside. The brick pillar shall be in stock brick work in C.M.1:4(1 cement and 4 Crushed Stone Sand (Commercially called M-Sand)),11cm thick and project 0.23m from P.M.brick work(rear	1sq.m.	1489.00	1476.10	1469.43

BD-759A	Construction of rack with RCC tiers at 0.4m intervals pre-cast R.C.C. in cement concrete 1:1.5:3 (1 cement, 1.5 Crushed Stone Sand (Commercially called M-Sand) and 3 stone jelly 12m to 20mm thick gauge) with necessary reinforcement for each tier must be 0.04m thick and 0.23 m projection from rear side wall. The rear side and bottom side of rack shall be of country (kiln burnt) third class brick work in C.M. 1:4 (1 cement and 4 Crushed Stone Sand (Commercially called M-Sand)) 50mm thick, Each tier shall be inserted 40mm in brick pillar on each side. The brick pillar shall be in Second class chamber burnt T.M. brick work in C.M. 1:4 (1 cement and 4 Crushed Stone Sand (Commercially called M-Sand)),	1sq.m.	1489.00	1476.10	1469.43
	PILES				
BD-760	Providing UNDER REAMED PILES RCC 25cm (10") dia of 358cm length and 350cm depth from G.L.cast in situ with single reamed bulb in cement concrete 1:1.5:3 including boring, erecting, vibrating, curing, hire charges for drilling equipments, etc, complete as per relevant ISI specifications (excluding cost of steel reinforcement) FOR COMPOUND WALL ONLY	1No.	3931.00	3898.00	3859.00
BD-762A	Providing UNDER REAMED PILES R.C.C.30cm (12") dia cast-in-situ with single reamed (bulb) in cement concrete 1:1.5:3, 11.5cm above G.L. including boring, erecting, vibrating, curing, hire charges for drilling equipments, etc., complete as per relevant ISI specifications(excluding cost steel reinforcement).	1No.	1153.57	1140.62	1125.66

BD-762C	Providing UNDER REAMED PILES R.C.C.38 cm (15") dia cast-in-situ with single reamed (bulb) in cement concrete 1:1.5:3, 11.5cm above G.L. including boring, erecting, vibrating,curing, hire charges for drilling equipments, etc.,complete as per relevent ISI specifications(excluding cost steel reinforcement).	1No.	1964.00	1943.00	1918.00
BD-763	BORED PILE 450 mm Dia Providing and installing Bored cast-in-situ reinforced cement Concrete pile of specified diametre and length below the pile cap in RMC M25 concrete to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including Bentonite solution machinery charges labour chargres etc., all complete. (Length of pile for payment shall be measured from bottom pile to the bottom of pile cap).	1 metre pile	2085.00	2059.00	2030.00
BD-764	BORED PILE 600 mm Dia Boring, providing and installing Bored cast-in-situ reinforced cement Concrete pile of specified diametre and length below the pile cap in RMC M25 concrete to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including Bentonite solution machinery charges labour chargres etc., all complete. (Length of pile for payment shall be measured from bottom pile to the bottom of pile cap).	1 metre pile	3710.00	3665.00	3612.00

BD-765	BORED PILE 750 mm Dia Boring, providing and installing Bored cast-in-situ reinforced cement Concrete pile of specified diametre and length below the pile cap in RMC M25 concrete to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including Bentonite solution machinery charges labour chargres etc., all complete. (Length of pile for payment shall be measured from bottom pile to the bottom of pile cap).	1 metre pile	5800.00	5729.00	5647.00
BD-767	Construction of 23cm wide drain for sewerage with 23cm thickdwarf wall in either side with brick work in 1:4 (height of 45cmover cement concrete 1:4:8,15cm thick). The drain will be formedto shape with plastering in C.M.1:4,20mm thick includingfinishing the curves smooth with cement. The drain as to becovered with 7.5cm thick precast RCC slab in C.M.1:2:4 mixincluding extra labour charges for moulding necessaryreinforcement of stel, earth work excavation,curing,etc.,complete as directed at site.	1m.	3792.00	3737.00	3704.00

BD-768	Fabricating and supplying steel windows and ventilators of standard sizes with side hung glazed shutters (open out and glazed out) using best quality of hot rolled steel sections conforming to I.S.7452/1974 specifications. The sections are cut to length required and mitred. The corners of the easements are electrically flash butt welded to form a solid fuse right angle joint so that all the frames are square and flat conforming to I.s. 1038/75 sub-dividing bars and glazing bars of the unit are tenered and rivetted to the frames. Steel windows and ventilators are provided with necessary fittings such as hold fasts, protecting pressed steel hinges (heavy type) with galvanised steel washers inserted	1sq.m.	1385.00	1384.00	1382.00
BD-769	Lining inner faces of chimney etc.,with fire refractory brick of size 9"x4 1/2"x3" (229x115x75mm) etc.,complete.(ISI STD)	1sq.m.	1188.00	1188.00	1188.00
BD-770	Best Indian T.W.Panelled counter window with frames 100x60mm around centre horizontal centre vertical T.W.plan 20mm thick at the bottom of the counter under to a height of 0.27m fixed with T.W.reaper of size 75x50mm providing T.W.planks 20mm thick to a width of 0.3m to at as country plank inside the counter window providing M.S.Grills at counter position,etc.,and fixed with 4Nos.of hold fasts 50x6x230mm long fixed in C.C.1:2:4 mix,etc.,complete as directed at site.(ISI STD)	1sq.m.	4905.00	4905.00	4905.00
BD-771	Supplying and fixing F.I.Band with M.S.Flat 50x6mm fixed with bolt and nuts including painting two coats over one coat of primer for the chimney.(ISI STD)	1kg.	73.05	73.05	73.05

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BD-772	Providing and fixing 50x50x6mm angles alround to fix the M.S.Sheets (8 guage) to act as crown plate for (chimney) as well as at the four corners to fix it rigidly in brick work including cutting, fabricating welding and painting two coats over one coat of primer,etc.,complete as directed at site.(ISI STD)	1No.	6862.00	6862.00	6862.00
BD-773	Supplying and fixing in position fire door of size 45x30cm with double shutters with M.S.angles for 40x40x6mm alround. The shutters shall be of M.S.Sheet 8 guage welded with M.S.angles 40x40x6mm alround rear side of M.S.sheet 4Nos.iron hold fasts 50x6x150mm long fixed in C.C.1:2:4 mix 4Nos.of butt hinges 150mm long welded with frame and shutter including painting two coats over a coat of primer, cutting, fabricating, welding, locking arrangements with aldrop and fixed in position, etc., complete. (ISI STD)	1No.	2435.00	2435.00	2435.00
BD-774	Manufacturing and placing well rings of 0.91m dia internal dia meter, 40mm thick in RCC 1:2:4 (1 cement,2 Crushed Stone Sand (Commercially called M-Sand) and 4 stone jelly 12 to 20mm gauge) including necessary reinforcement, rendering smooth with cement the inner and outer surface of the ring, etc.,complete as directed at site.	1m.	2971.00	2952.00	2929.00

BD-774A	Manufacturing and placing well rings of 0.91m dia internal diameter 40mm thick in RCC 1:1.5:3 (1 cement,1.5 Crushed Stone Sand (Commercially called M-Sand) and 3 stone jelly 12 to 20mm gauge) including necessary reinforcement,rendering smoth with cement the inner and outer surface of the ring,etc.,complete as directed at site.	1m.	2971.00	2952.00	2929.00
BD-775	Manufacturing and placing well rings 1.22m internal dia and 40mm thick in RCC 1:2:4 (1 cement,2 Crushed Stone Sand (Commercially called M-Sand) and 4 stone jelly 12 to 20mm gauge) including necessary reinforcement, rendering smooth with cement the inner and outer surface of the ring, etc.,complete as directed during execution.	1m.	4053.00	4027.00	3998.00
BD-775A	Manufacturing and placing well rings 1.22m internal dia and 40mm thick in RCC 1:1.5:3 (1 cement,1.5 Crushed Stone Sand (Commercially called M-Sand) and 3 stone jelly 12 to 20mm gauge) including necessary reinforcement, rendering smooth with cement the inner and outer surface of the ring, etc.,complete as directed during execution.	1m.	4053.00	4027.00	3998.00
BD-776	Brick work with stock bricks I sort 9"x4 3/8"x2 3/4" of size for well steining in clay for over 23cm thick walls etc.,complete.	1cu.m.	5552.00	5459.00	5498.00
BD-778	Writing letters of 1cm size (in height) on any surface with ready mixed supeior paint of approved colour and make.	1No.	2.10	2.10	2.10
BD-778A	Writing letters of 5cm size (in height) on any surface with ready mixed superior paint of approved colour and make.	1No.	10.50	10.50	10.50
BD-778B	Writing letters of 10cm size (in height) on any surface with ready mixed superior paint of approved colour and make.	1No.	21.00	21.00	21.00

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BD-778C	Writing letter of 15cm size (in height) on any surface with ready mixed superior paint of approved colour and make.	1No.	31.50	31.50	31.50
BD-778D	Writing letters of 20cm size (in height) on any surface with ready mixed superior paint of approved colour and make.	1No.	42.00	42.00	42.00
BD-778E	Writing letters of 30cm size (in height) on any surface with ready mixed superior paint of approved colour and make.	1No.	63.00	63.00	63.00
BD-779	Supplying and fixing single leaf flush door 32/30mm thickness both side commercial ply and approved brand with T.W.frames of size 100x75mm at side verticals and top, 6Nos.of iron hold fast fixed in C.C.1:2:4 and 3Nos.of butt hinges 125mm long including wind appliances furniture iron fittings 2Nos.of iron pad lock 15cm long for locking arrangements and fixed in position as directed during execution.(ISI STD)	1sq.m.	3978.00	3978.00	3978.00
BD-781	Providing and fixing white glazed Eruopen water closet with rose wood seatings (black) low level flushing tank with all internal fittings including jointing the trap with soil pipe witProviding and fixing white glazed Eruopen water closet with rose wood seatings (black) low level flushing tank with all internal fittings including jointing the trap with soil pipe with cement making holes in the walls screws etc. complete as directed during execution.(ISI STD)	1No.	3230.00	3230.00	3230.00
BD-781A	Providing and fixing colour glazed E.W.C. with rose wood seatings (Black)low level flusing tank with fittings, etc., complete.(m.d18)	1No.	3572.00	3572.00	3572.00

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BD-783	Construction of masonry oven of 0.61m height and 0.45m inner dia, outer walls of the oven will be constructed with stock brick work in C.M.1:4,11cm thick. The front portion of the oven is of rectangular shape constructed with stock brick work in C.M.1:4, for 23cm thick with an opening of 45x45cm,above the opening shall have a precast RCC lintel 11cm.thick in CC 1:2:4 mix with necessary reinforcement and 60cm length c/c. The inner side of the oven have three brick pillars of 23x11x26cm with C.M.1:4. An empty oil or grease drum 56cm height and 37.5cm to 45cm dia meter will be placed over the three pillars. The space between the drum and inner wall of the oven may be filled with ash and other materials as instructed. The	1No.	4315.00	4283.00	4275.00
BD-787A	Providing boring, using hand bore set, 150mm dia upto hard formation and boring 100mm dia below this in rock formation including hire charges of hand bore set and its accessories, labour charges and transport charges for drillings,preparing the site etc.,providing and erecting 110mm dia (O.D.) P.V.C.pipe plain (wall thickness 4.5mm and slotted) upto water column and providing and filling the gap around the 110mm dia PVC pipe with pebbles including clearing and developing the entire column by using compressor for a minimum time of 12 hours, providing danger lights during night time etc., complete as directed during execution.	1m.	2468.70	2468.70	2468.70
BD-787B	Conducting yield test using 'V'notch and with suitable pump for one day as directed during execution for the bore well.	1No.	1381.10	1381.10	1381.10

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BD-787C	Labour charges for erection and fixing in position India Mark-II deep bore well pump with accessories and fitting 40mm G.I.Riser Pipe upto 1m above bottom of bore as directed etc.,complete.	1No.	3999.80	3999.80	3999.80
BD-787D	Supplying and fixing of India Mark-II pump and accessories etc.,complete (cost including all taxes.)	1No.	10100.00	10100.00	10100.00
BD-787E	Supplying and fixing 40mm dia G.I.pipe 'B'Class.	1m	254.00	254.00	254.00
BD-787F	SINKING OF INDIA MARK-11 PUMP USING HAND BORESET Construction of platform 1.85m dia including necessary earth work excavation supplying and filling in with Crushed Stone Sand (Commercially called M-Sand) providing and laying PCC 1:3:6 using 40mm B.G.metal, and providing and laying PCC 1:2:4 using 12 to 20mm size B.G.Metal,stock brick work in C.M.1:3 for 23cm thick wall, plastering in C.M.1:3,15mm thick including making necessary drainage arrangements by providing S.W.Gully trap 15x10cm with silt pit and 100mm dia S.W.pipe connection to a depth of 90cm, connected to the NEAREST MANHOLE ,etc.,complete to standard specification as per drawing and	1No.	11979.65	11979.65	11979.65

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BD-787G	SINKING OF INDIA MARK-11 PUMP USING HAND BORESET Construction of platform 1.85m dia including necessary earth work excavation supplying and filling in with Crushed Stone Sand (Commercially called M-Sand) providing and laying PCC 1:3:6 using 40mm B.G.metal, and providing and laying PCC 1:2:4 using 12 to 20mm size B.G.Metal, stock brick work in C.M.1:3 for 23cm thick wall, plastering in C.M.1:3,15mm thick including making necessary drainage arrangements by providing S.W.Gully trap 15x10cm with silt pit and 100mm dia S.W.pipe connection to a depth of 90cm, connected to the SOAK PIT ARRANGEMENT,etc.,complete to standard specification as per drawing and as directed during	1No.	12859.15	12859.15	12859.15
BD-788A	Boring using power rig 125mm dia upto hard formation and boring 100mm dia below this in rock formation. The entire column to be cleaned at site as directed including hire charges for the power rig for drilling the bore as described above both upto hard formation and then in rock formation (including the cost of fuel charges, transporting to and from the power rig etc.,complete.) including flushing the bore using compressor for a minimum time of 12 hours etc.,complete providing the danger lights during night time etc.,complete as directed during execution.	1m.	1343.10	1343.10	1343.10
BD-788B	Supplying,lowering 125mm dia M.S.'B'Class casing pipe for required depth (upto hard formation) including the cost of cutting threading, coupling, transporting, labour charges for erection, etc., complete.	1m.	1312.00	1312.00	1312.00

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BD-788C	Conducting yield test using 'V'notch and with suitable pump for one day as directed during execution for the bore well.	1No.	1381.10	1381.10	1381.10
BD-788D	Labour charges for erection and fixing in position India Mark-II deep bore well pump with accessories and fitting 40mm G.I.raiser pipe upto 1m above bottom of bore as directed etc.,complete.	1No.	4675.80	4675.80	4675.80
BD-788E	Supplying and fixing of India Mark-II pump and accessories etc.,complete (cost including all taxes).	1No.	10100.00	10100.00	10100.00
BD-788F	Supplying and fixing of 40mm dia G.I.pipe 'B' class.	1m.	254.00	254.00	254.00
BD-788G	CONSTRUCTION OF INDIA MARK-11 DEEP BORE WELL PUMP USING POWER RIG Construction of platform 1.85m dia including necessary earth work excavation supplying and filling in with Karanodai sand providing and laying P.C.C.1:3:6, using 40mm size B.G.metal,providing and laying P.C.C.1:2:4, using 12 to 20mm size B.G.metal,stock brick work in C.M.1:3 for 23cm thick wall plastering with C.M.1:3 15mm thick including making necessary drainage arrangements by providing S.W.gully trap 15x10cm with silt fit and 100mm dia S.W.pipe connecting to a depth of 90cm, connected to the NEAREST MANHOLE,etc.,complete to standard specifications as per	1No.	11979.65	11979.65	11979.65

BD-788H	CONSTRUCTION OF INDIA MARK-11 DEEP BORE WELL PUMP USING POWER RIG Construction of platform 1.85m dia including necessary earth work excavation supplying and filling in with Karanodai sand providing and laying PCC 1:3:6 using 40mm B.G.Metal, and providing and laying PCC 1:2:4 using 12 to 20mm size B.G.Metal, stock brick work in C.M.1:3 for 23cm thick wall, plastering in C.M.1:3,15mm thick including making necessary drainage arrangements by providing S.W.Gully trap 15x10cm with silt pit and 100mm dia S.W.Pipe connection to a depth of 90 cm, connected to the SOAK PIT ARRANGEMENT,etc.,complete to standard specification as per drawing and as directed during	1No.	12859.15	12859.15	12859.15
BD-788I	Supplying and lowering PVC pipe 125mm dia plain casing pipe of 6kg/sq.cm. ISI Std.	1m.	331.00	331.00	331.00
BD-788J	Supplying and lowering PVC pipe 125mm dia slotted casing pipe of 6kg/sq.cm. ISI Std.	1m.	350.00	350.00	350.00
BD-789	Flooring with ordinary cuddapah slabs 50mm thick jelly in Lime mortar 1:2:5 (1 lime, 2 Crushed Stone Sand (Commercially called M-Sand) and 5 broken brick jelly) including pointing with C.M.1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) etc.,complete.	1sq.m.	1268.60	1254.07	1252.43
BD-790	Flooring with semi polished cuddapah slabs 50mm thick over a bed of concrete using brick jelly in Lime Mortar 1:2:5 (1 Lime, 2 Crushed Stone Sand (Commercially called M-Sand) and 5 broken brick jelly) 100mm thick and pointing with C.M.1:3(1 cement and 3 Crushed Stone Sand (Commercially called M-Sand))etc.,complete.	1sq.m.	1277.84	1263.31	1261.67

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BD-791	Flooring with fully polished cuddapah slab 50mm thick over bed of concrete 100mm thick in Lime Mortar 1:2:5 (1 Lime,2 Crushed Stone Sand (Commercially called M-Sand) and 5 broken brick jelly) and pointing with cement mortar 1:3(1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) including dressing etc.,complete.	1sq.m.	1286.66	1272.13	1270.49
BD-792	Supplying and fixing fully polished cuddapah slab for the cup-board etc.,including cutting to required size, necessary cement mortar for fixing etc.,complete.	1sq.m.	468.95	468.95	468.95
BD-793	Supplying and fixing fully polished cuddapah slab 50mm thick over the existing RCC slab including pointing with C.M.1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)),etc.,complete.	1sq.m.	902.05	902.05	902.05
BD-794	Supplying and fixing ply wood partition with teak wood frames of 75x50mm size and with 3mm thick commercial plywood fixed with screws and nails including fixing in position with 4Nos.of iron hold fast 50x6x230mm size etc.,complete.	1sq.m.	1223.92	1223.92	1223.92

BD-795A	For making and fixing M.S.Sheet Door of required size with two shutter using necessary M.S.Angles 50x50x6mm/40x40x6mm "L" Angles as diagonal Bracings 4Nos. for each shutter and centre Bracings for 1No.for each shutter. M.S.Flats 25x6mm/40 x6 mm and M.S.Sheet 1.25mm thick (18 gauge) and providing hinges welded with M.S.Angles 50x50x6mm bits at three places at equal intervals on both sides, Latches 25cm size length for locking arrangements providing 12mm dia. M.S.Rod running through the hinges on both vertical side for easy swining purpose of doors including one coat of primer, cutting iron members, welding fixing door in position, etc. complete as	1sq.m.	3184.00	3184.00	3184.00
BD-796A	Supplying and erecting in position LIGHT DUTY STEEL TRUSSES as per the drawing. The materials and design of the trusses should confirm to the relevant Indian Standard specification. The trusses shall be procured only from reputed manufactures of trusses with prior approval of the Buildings Engineer and a certificate to the effect from the reputed manufacturers shall also be furnished with design. The rate quoted shall include the cost of trusses. Base-plate with holding down bolts and nuts to RCC or Masonry works, roof purlins, rafters, purlin sleeves, the members fixing accessories etc., painting one coat of red-oxide paint and erecting in position etc., complete as directed during execution. The contractor shall also arrange to provide grouting for holding down bolts embedding the end purlins, to the gable wall wherever necessary etc., The roof sheeting shall project 0.762m from the eves purlins. For structures like CYCLE STAND, PARKING GARAGE, TEMPORARY ENCLOSERS	KG	187.46	187.46	187.46
BD-797	Removing the existing Tsection from the roof and stacking the same at site as directed during execution.	1kg.	15.95	15.95	15.95

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BD-800	<p>Providing and fixing partly glazed and partly Novapan partition with anodized aluminium frames of extrusion type. The vertical, top, intermediate, bottom horizontal members of the frame work shall be of size 63.50x38.10mm and 12 gauge with necessary aluminium clips. The spacing of verticals not exceeding 1200mm. The approved make glass panes shall be 5mm thick without undulations and waves. The glass panes shall be fixed by snap on bedding including 'U'shaped kasket. The Novapan should be (double side laminated) of 12mm thick to a height of 3'0" from the ground level. The partition shall be fixed with screws, nails, clamps, etc. including cutting, drilling, screwing, assembling in position, etc. complete as directed during execution(ISI STD)</p>	1sq.m.	2962.25	2962.25	2962.25
BD-801	<p>Sliding Window. Supplying and fixing fully glazed anodized Aluminium sliding window with anodized Double track bottom guttesection with Top and side section of extended size 12 Gauge with glazed sliding shutter section 38.1 x 20mm, with 4mm thick (Plain) glass of approved quality free from undulationand waves fixed alround in Anodized aluminium frame section 44.45 x 40mm of size 12 gauge with suitable beddings, rubber gasket with all necessary fittings like anodized aluminium handles. Locking arrangements etc. complete as per the relevant ISI specification</p>	1sq.m.	3448.44	3448.44	3448.44

BD-801A	<p>ALUMINIUM THREE TRACK WINDOW SIZE 1.8 M X 1.3 M Supplying and fabrication and fixing in position of anodised natural colour matt finish sliding window in three track in all floors of size (Frame : Bottom Track with Gutter - 92 x 38mm @ 1.742 Kg/m, Side and top - 92 x 31.5mm @ 0.981 Kg/m, Shutter: Bottom, Top and plain side vertical 40x18mm @ 0.38 Kg/m, Interlocking vertical - 40 x 18mm @ 0.632 Kg/m). All the three shutters with sliding arrangements, the bottom section should have Gutter arrangements so as to drain the water entering and made with extruded aluminium section for outer frames with necessary accessories such rubber beading. Aluminium clips, rubber beading, handle and fixing 4mm thick clear sheet glass including all required for fabrication etc., complete. Necessary dismantling making holes in RCC columns, beams, masonry wherever necessary with power drill to the extent required and made good to the original conditions after fixing as directed by the Board officers. The Al. Surfaces is to</p>	1sq.m.	3554.00	3554.00	3554.00
BD-801B	<p>ALUMINIUM FIXED WINDOW OF SIZE 1.5M X 1.3M Supply & fixing of Ano. Alu. Fixed window with three panels using 62x38x2 mm @ 1.174 kg/m thick extruded box section as verticals and horizontal member and fixing 4 mm thick plain / frosted/ pin headed glass approved quality with necessary glazing clips, rubber beading etc., complete. Necessary dismantling making holes in RCC columns, beams, masonry wherever necessary with power drill to the extent required and made good to the original conditions after fixing as directed by the Board officers. The Al. Surfaces is to be anodised with matt finish under electrically condition in accordance with ISI1868/1962 specification for an average anodic film thick of not less than 15 microns. (All materials should be got approved by the Site Engineer before fixing in position)</p>	1sq.m.	3614.00	3614.00	3614.00

BD-801C	<p>ALUMINIUM OPENABLE TYPE WINDOW SIZE 1.2M X 1.3M</p> <p>Manufacturing supplying and fixing in position Anodised Alu. Natural colour mat finish with openable type window with extruded Alu. Sections with two panels of size (Frame - 38 x 33 x21 x 2.4mm @ 0.615 Kg/m, Shutter: Bottom, Top - 38.5 x 33 x 24.5 x 3 & 4mm @ 0.706 Kg/m, Interlocking vertical - 59 x 33 x 25 x 2.5mm @ 1.135 Kg/m) with necessary accessories such as rubber beadings best quality of lock handle hinges, stays and fixing 4 mm thick plain / frosted/ pin headed glass including cost of all materials labour for electrical consumption required for drilling holes in RCC columns, beams, masonry wherever necessary with power drill to the extent required and made good to the original conditions after fixing as directed by the Board officers. The Al. Surfaces is to be anodised with matt finish under electrically condition in accordance with ISI 1868/1962 specification for an average anodic film thick of not less than 15 microns. (All materials should be got approved by the Site</p>	1sq.m.	4070.00	4070.00	4070.00
BD-801D	<p>ALUMINIUM OPENABLE TYPE WINDOW (Three Leaves) Size 1.30 x 1.80m</p> <p>Manufacturing supplying and fixing in position Anodised Alu. Natural colour mat finish with openable type window with extruded Alu. Sections with two panels of size (Frame - 38 x 33 x21 x 2.4mm @ 0.615 Kg/m, Shutter: Bottom, Top - 38.5 x 33 x 24.5 x 3 & 4mm @ 0.706 Kg/m, Interlocking vertical - 59 x 33 x 25 x 2.5mm @ 1.135 Kg/m) with necessary accessories such as rubber beadings best quality of lock handle hinges, stays and fixing 4 mm thick plain / frosted/ pin headed glass including cost of all materials labour for electrical consumption required for drilling holes in RCC columns, beams, masonry wherever necessary with power drill to the extent required and made good to the original conditions after fixing as directed by the Board officers. The Al. Surfaces is to be anodised with matt finish under electrically condition in accordance with ISI 1868/1962 specification for an average anodic film thick of not less than 15 microns. (All materials should be got approved by the Site</p>	1sq.m.	3810.00	3810.00	3810.00

BD-801E	LOUVERED VENTILATOR Supplying and fixing in position of aluminium anodised colour matt finish Louvered Ventilator. The outer frame will be 62x38x2mm @ 1.17 Kg / m and the louvers with moving arrangements will be made with Alu. Channel of size 60x30x4 mm @ 1.27 kg /m with necessary glass pans for louvers 4mm thick Al. Clips, including all materials, labour & power consumption charges required for fabrication if necessary chipping dismantling making holes in RCC columns, beams or masonry wherever necessary with power drill to the extent required and make good to the original conditions after fixing etc., complete. The Aluminium surface is to be anodised with matt finish under electrically controlled condition in accordance with ISI specification 1868/1962 of anodic film thickness of not less than 15 microns (fifteen) for all sections. All the materials should be got approved by the Site Engineer before fixing in position as directed.	1sq.m.	4891.00	4891.00	4891.00
BD-802A	Supplying and fixing Hydraulic Door Closer of approved make.	1No.	890.00	890.00	890.00
BD-802B	Supplying and fixing Floor Spring of approved make for aluminium doors.	1No.	2055.00	2055.00	2055.00
BD-802C	Supplying and fixing partly glazed and partly doors with both side laminated particle Board single leaf or double leaf aluminium door with frame and shutter made of anodized aluminium extruded sections of Hindalco/jindal or approved equivalent brand. The door frame shall be of size 101.66x44.45mm 12 gauge fixed in position (Top and side Verticals) with teak wood plug embedded in wall screwing etc. The styles to panel intermediate rails of shutter shall be of size 44.45x44.45mm 12 gauge section and the bottom rail shall be of size 101.66x44.45mm 12 gauge with necessary glazing plate of approved quality. The bottom paneling shall be with 12mm thick flat pressed twin finished Laminated P.C.T. grade both side laminated, to a Height of 90cm from the floor level super particle board of fire and Moisture resistant properties of approved make and quality. The top glazing shall be of 5mm thick glass panes of approved quality free from undulations and waves fixed by snap on bedding of glazing plate, rubber gasket with necessary anodized aluminium hinges,	1sq.m.	5022.50	5022.50	5022.50

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BD-802D	Supplying and fixing fully panelled with both side laminated particle board single of double shutter aluminium door with door frame and shutter frame made of anodized aluminium extruded sections of Hidasco/jindal or any approved brand. The door frame shall be of size 101.66x44.45mm 12 gauge (Top and side vertical) Fixed in position with Necessary teak wood plugs Embedded in the wall with screwing etc., The styles Top and intermediate rails of the shutter should be of size 44.45x44.45mm 12 gauge section. And the bottom rail shall be of size 101.66x44.45mm 12 gauge with necessary glazing plate of approved quality entire shutter shall be of 12mm thick flat pressed twin finished laminated P.C.T. grade both side laminated super particle board of fire and moisture resistance properties of approved make and quality properly fixed in position to a Height of 90cm from the floor level including Heavy duty automatic door closer of approved make and quality aluminium push plate handle four levered mortice lock of approved make and quality and all other	1sq.m.	5637.50	5637.50	5637.50
BD-802E	Glazing for door & partition 5mm thick glass panes of approved quality free from undulations and waves fixed by snap on bedding of glazing plate rubber gasket with necessary anodized Aluminium hinges. (ISI STD)	1sq.m.	366.68	366.68	366.68
BD-802F	Supplying and fixing 12mm thick flat pressed twin finished laminated P.C.T. grade both side laminate super particle board of fire and moisture resistance properties of approved make and quality, properly fixed in position (ISI STD)	1sq.m.	1219.58	1219.58	1219.58
BD-802G	Supplying & fixing door frame (Top and side verticals) made of anodized aluminium extruded sections of Hidasco/jindal or any approved brand of size 101.66 x44.45mm 12 gauge fixed in position with necessary teak wood plugs embedded in the wall with screwing etc.(ISI STD)	1R/M	914.40	914.40	914.40
BD-802H	Supplying and fixing top and intermediate rails of the shutter made of anodized aluminium extruded section of size 44.45mm x44.45mm 12 gauge with necessary glazing plate of approved quality.(ISI STD)	1R/M	683.07	683.07	683.07
BD-802I	Supplying and fixing bottom and rail of the shutter made of anodized aluminium extruded section of size 101.66x44.45mm 12 gauge with necessary glazing plate of approved quality.(ISI STD)	1R/M	928.94	928.94	928.94

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BD-802J	ALUMINIUM DOOR SHUTTER WITHOUT FRAME Aluminium Door Single Leaf Size 2.1M X 1.0 M Supplying, fabricating and fixing in position of Alumi.Anod.natural colour matt finish door half glazed and half PLB board using 12 mm thick PLB board and 5.5 mm thick glazed door using rectangular Alu.Box section of size (Frame : Section - 101.60 x 44.45 x 3.18 mm @ 2.399 Kg/m, Shutter : Top, Middle, Vertical style- 50 x 44.45 x 2.5mm @ 1.292 Kg/m, Bottom - 100 x 44.45 x 2.5mm @ 1.974 Kg/m) with necessary accessories such as rubber beading, Al. Clips, Best double action floor springs, Aluminium Handles on both sides, floor stopper, Tower bolt, Locks and glass including all materials, Labour, power consumption charges required for fabrication if necessary chipping, dismantling making necessary holes in RCC Coloums, Beams or Masonry wherever necessary with power drill to the extent required and made good to the original conditions after fixing etc.,complete. The Alumi. surface must be anodised with matt	1 Sqm	4494.00	4494.00	4494.00
BD-804	Country wood (superior variety like Pillamarudu or Kariamarudu) panelled window in double shutters with frames 100x60mm around centre full vertical. The shutters shall be 40mm thick with moulded panels in 20mm thick planks and 4Nos.iron hold fast fixed in CC 1:2:4 and 4Nos.of butt hinges 100mm long including wind appliances furniture iron fittings and fixing in position etc.,complete.	1sq.m.	3614.00	3614.00	3614.00
BD-805	Country wood (superior variety like Pillaimarudu or Kariamarudu) panelled door in single shutter with frames 100x75mm at side verticals and top. The shutters shall be 40mm thick with moulded panels in 20mm thick planks. 6Nos.of iron hold fasts fixed in C.C.1:2:4,3Nos.of butt hinges 125mm long including wind applicances furniture iron fittings,1No.of iron padlock 15cm long for locking arrangements and fixed in position,etc.complete.	1sq.m.	3480.00	3480.00	3480.00
BD-806	Supplying and fixing 65mm dia G.I.pipe (B'Class) including cutting,threading and jointing with necessary specials including fixing to wall with clamps and screws making holes in the wall or drilling holes and packed the same with brick work and plastering & scofolding wherever necessary etc.,complete.(ISI STD)	1m.	298.34	298.34	298.34

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BD-807	Supplying and laying Mosaic tiles for step (grey colour) of standard size with three line grooved and nosing of thickness 20mm (finished) with small varona Indian Marble chips with C.M.1:3,20mm thick and pointing with same colour including polishing to a high degree of polish so as to be perfectly smooth and glossy etc.,complete. (Relevant I.S.I.STD)	1m.	366.57	365.89	365.11
BD-808B	Paving the flooring with first quality plain CERAMIC TILES of all colours of size 305mmx305mmx6mm set in C.M.1:3,12mm thick including pointing with white cement,labour,materials,etc., (ISI.std)	1sq.m.	762.47	759.91	756.93
BD-808C	Paving the flooring with CEMENT CONCRETE TILES hydraulic pressed Antiskid tiles as per pattern design 20mm thick in cm 1:3 including pointing with colour cement etc., complete.(ISI)	1sq.m.	1215.98	1212.17	1209.98
BD-808F	Providing and laying first quality Verified tiles of all colours of size 605mmx605mmx9.6mm in cm 1:3, 12mm thick including pointing with white cement. Labour, Materials, etc. (Relevant ISI std)	1sq.m.	995.00	993.00	990.00
BD-808G	Paving the steps with CEMENT CONCRETE STEP TILES hydraulically pressed Anti skid steps tiles of 20mm thick in C.M.1:3, including pointing with colour cement etc, complet (I.S.I std)	1sq.m.	1313.48	1310.92	1307.93
BD-808I	Paving the flooring with first quality plain CERAMIC TILES of all colours of size 305mmx305mmx6mm set in C.M.1:3,(one part of cement and three parts of crushed stone sand)12mm thick including pointing with white cement,labour,materials,etc., (Relevant ISI.std) (the crushed stone sand to be used in base mortar shall conform to gradation as per IS 1542-1977)	1sq.m	738.74	736.18	733.20
BD-811	Supplying and filling brick bats of size various from 20to40mm in regular layers of 15cm thick including watering,consolidating and rolling with	1cu.m.	912.39	813.28	854.42
BD-812	Providing and fixing PVC slotted vent cowl of 110mm dia pipe. with relevant ISI STD.	1No.	70.70	70.70	70.70
BD-813	Providing and fixing 110mm dia PVC soil or vent pipe BEND with door arrangements.with relevant ISI STD.	1No.	162.90	162.90	162.90
BD-814	Providing and fixing 110mm dia PVC soil or vent pipe bend without door arrangements.(Relevant I.S.I.STD)	1No.	140.30	140.30	140.30
BD-815	Providing and fixing 110mm dia PVC soil or vent pipe.with relevant ISI STD.	1m.	364.92	364.92	364.92
BD-828	Random rubble masonry work in cement mortar 1:6 (1 cement and 6 Crushed Stone Sand (Commercially called M-Sand)) including fixing of bond stone wherever necessary including curing, etc., complete.	1cu.m.	5065.00	4889.00	4686.00
BD-828A	Random rubble masonry work in cement mortar 1:4 including fixing of bond stone wherever necessary including curing, etc., complete.	1cu.m	5308.00	5132.00	4928.00

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BD-829	Supplying and fixing REd Mud Plastic (RMP) corrugated sheet including fixing with adjustable ridge seated 'U' or 'J' bolts,nuts and bitumen washers,etc.,complete.(ISI STD)	1sq.m.	709.28	709.28	709.28
BD-830	Supplying and fixing <u>colour metal roofing sheets</u> made up of Galvalumed Aluminum-Zinc Alloy coated steel, AZ-150 and Hi-tensile Grade 550 steel of thickness 0.47mm, Trapezoidal profile over all width 1080 mm etc	1sq.m.	634.77	634.77	634.77
BD-831	Supplying and fixing "semipolished Cuddapah Slab" 20mm thick over the existing base course including fixing the slab in Cement Mortar 1:6(1 cement and 6 Crushed Stone Sand (Commercially called M-Sand)) 20mm thick and pointing with C.M.1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand))etc.,complete.	1sq.m.	879.74	877.30	874.48
BD-832	Black board using black oxide mixed with Cement Mortar 1:1:2 (1 black oxide,1 cement and 2 Crushed Stone Sand (Commercially called M-Sand)) over the rough plastered surface and black board surface has to be painted in two coats with black oxide,glass powder and cement in ratio of 1:1:1 and finishing smoothly, etc., complete (excluding band course around the board.)(ISI STD)	1sq.m.	417.90	416.19	414.20
BD-838	Fabricating and supplying steel windows with M.S.Sheet shutters with relevent ISI STD etc.,complete.	1sq.m.	1588.00	1587.00	1585.00
BD-840	Supplying and laying Flooring skirting including for steps rises etc.with Raj Nagar Marble (Adanga) Stone of hard, dense,homogenian colour without crackes and fissures of size 4'x2',20mm thick over a bed of concrete floor with 1:3, 20mm th.and pointing with white cement mixed with colour pigments to match the colour of stone, polishing, finishing etc. as directed at site.(ISI STD)	1sq.m.	2330.00	2328.00	2325.00
BD-845	Pointing with cement mortar 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)) for random rubble masonry work, etc., complete.	1sq.m.	246.42	245.32	244.04
BD-846	Supplying and fixing "semi polished Cuddapah Slab" 30mm thick over the existing base course including fixing the slab in cement mortar 1:6 (1 cement and 6 Crushed Stone Sand (Commercially called M-Sand)) 20mm thick and pointing with cement mortar 1:3 (1 cement and 3 Crushed Stone Sand (Commercially called M-Sand)),etc.,complete.	1sq.m.	911.24	908.80	905.98

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BD-850	Supplying and fixing of Machine mould hollow concrete block (as per IS 2185 Part-I(1979) of standard size 40x20x20cm with combination mortar in the ratio of 1:1:6 (one of cement and one of lime and six of Crushed Stone Sand (Commercially called M-Sand)) including curing and neat finishing etc., complying with standard specification and as directed by the Departmental Officers,etc.,)(ISI STD)	1sq.m.	898.49	896.05	893.22
BD-851	SOLID BLOCKS 40X20X20 CM Supplying and fixing Solid Blocks of following size confirming to S.S. 2145-1965 (including jam blocks closers etc.) made in CC 1:3:6 (One Cement Three Sand and Six HBSJ 6 mm) in CM 1:5 (one cement and five sand),for masonry wall partition wall including curing neat finishing etc. complete		5769.00	5757.00	5744.00
BD-852	SOLID BLOCKS 40X15X20 CM Supplying and fixing Solid Blocks of following size confirming to S.S. 2145-1965 (including jam blocks closers etc.) made in CC 1:3:6 (One Cement Three Sand and Six HBSJ 6 mm) in CM 1:5 (one cement and five sand),for masonry wall partition wall including curing neat finishing etc. complete		6631.00	6619.00	6605.00
BD-853	SOLID BLOCKS 40X10X20 CM Supplying and fixing Solid Blocks of following size confirming to S.S. 2145-1965 (including jam blocks closers etc.) made in CC 1:3:6 (One Cement Three Sand and Six HBSJ 6 mm) in CM 1:5 (one cement and five sand),for masonry wall partition wall including curing neat finishing etc. complete	1cu.m	9112.00	9100.00	9086.00
BD-863A	Solid panel PVC door with frame Solid PVC door shutters using 19 gauge 19mm MS sq.tubes for styles and outer frames. 15mm MS sq.tubes for top, lock and bottom rails. The steel tubes shall be covered with 5 mm thick solid PVC sheets. Shutter using 5mm thick solid PVC sheet for panelling shall rigidly fixed in position including necessary furniture and fittings. The over all size of styles shall be 50mmx30mm. The over all size of top rail, lock rail and bottom rail shall be 75mm x 30 mm. The over all size of frames shall be 50mmx45mm, with suitable rabate for housing the shutter.including labour charges etc., complete.as per ISI standard.	1sq.m.	2828.00	2828.00	2828.00

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BD-863B	Solid panel PVC door without frame Solid PVC door shutters using 15mm MS sq. tubes for top, lock and bottom rails. The steel tubes shall be covered with 5 mm thick solid PVC sheets. Shutter using 5mm thick solid PVC sheet for panelling shall rigidly fixed in position including necessary furniture and fittings. The over all size of styles shall be 50mmx30mm. The over all size of top rail, lock rail and bottom rail shall be 75mm x 30 mm. including labour charges etc., complete. as per ISI standard.	1sq.m.	3009.00	3009.00	3009.00
BD-864A	Hollow panel PVC door with frame PVC panelled door shutters with frame Hollow type - 200 mm x 20mm panels with 1mm wall thickness for panels and styles and rails of suitable size with 2mm wall thickness suitably reinforced using MS angle / flat including labour charges, cost of necessary aluminium hinges and other furniture fittings as per ISI standard.	1sq.m.	2014.00	2014.00	2014.00
BD-864B	Hollow panel PVC door without frame PVC panelled door shutters without frame Hollow type - 200 mm x 20mm panels with 1mm wall thickness for panels and styles and rails of suitable size with 2mm wall thickness suitably reinforced using MS angle / flat including labour charges, cost of necessary aluminium hinges and other furniture fittings as per ISI standard.	1sq.m.	1701.00	1701.00	1701.00
BD-865	Supplying and erecting SINTEX or approved equivalent make HDPE plastic vertical cylindrical 2000 Litre Water Storage Tank. Strickly adhering ISI Standard as per ISI Mark 12701 (Latest revision) including all taxes and freight charges within Corpn.City limit.	1No.	16400.00	16400.00	16400.00
BD-866	Supplying and erecting SINTEX or approved equivalent make HDPE plastic vertical cylindrical 1500 Litre water storage Tank. Strickly adhering ISI Standard as per ISI Mark 12701 (Latest revision) including all taxes and freight charges within Corpn.City Limit.	1No.	12300.00	12300.00	12300.00
BD-867	Supplying and erecting SINTEX or approved equivalent make HDPE plastic vertical cylindrical 1000 Litre water storage tank, strickly adhering ISI standard as per ISI Mark 12701 (Latest revision) including all taxes and freight charges within Corpn.City Limit.	1No.	8200.00	8200.00	8200.00
BD-868	Supplying and erecting SINTEX or approved equivalent make HDPE plastic vertical cylindrical 500 Litre water storage tank, strickly adhreing ISI standard as per ISI mark 12701 (Latest revision) including all taxes and freight charges within Corpn.City Limit.	1No.	4100.00	4100.00	4100.00
BD-869	Supplying and fixing 50mm dia G.M. foot valve.	1No.	624.00	624.00	624.00

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BD-869A	Supplying and fixing 40mm dia G.M. foot valve.	1No.	520.00	520.00	520.00
BD-869B	Supplying and fixing 32mm dia G.M. foot valve.	1No.	415.00	415.00	415.00
BD-869C	Supplying and fixing 25mm dia G.M. foot valve.	1No.	294.00	294.00	294.00
BD-869D	Supplying and fixing 20mm dia G.M. foot valve.	1No.	240.00	240.00	240.00
BD-869E	Supplying and fixing 15mm dia G.M. foot valve.	1No.	175.00	175.00	175.00
BD-870	Supplying and fixing C.P.screw downtap of size 20mm	1No.	295.00	295.00	295.00
BD-870A	Supplying and fixing C.P.screw downtap of size 15mm	1No.	212.00	212.00	212.00
BD-870B	Supplying and fixing 15mm dia C.P.Pillar tap	1No.	315.00	315.00	315.00
BD-871	Supplying and fixing 15mm dia C.P. Shower raiser.	1No.	192.00	192.00	192.00
BD-871A	Supplying and fixing 15mm C.P flush cock.	1No.	269.00	269.00	269.00
BD-871B	Supplying and fixing 20mm C.P flush cock.	1No.	296.00	296.00	296.00
BD-871C	Supplying and fixing 25mm C.P flush cock.	1No.	407.00	407.00	407.00
BD-871D	Supplying and fixing 750mmx400mmx250mm kitchen sink white glazed with overflow arrangements with C.I.Brackets,one No.of 32mm dia lead waste pipe (Bell mouth opening) for 75cm long, 15mm dia lead and brass connections, 15mm dia wheel valve and necessary clamps, bolts and nuts,etc. complete.	1No.	4367.00	4367.00	4367.00
BD-871E	Supplying and fixing 600x450x250mm kitchen sink white glazed with overflow arrangements with C.I. Brackets, one No. of 32mm lead waste pipe (Bell mouth opening) for 75cm long 15mm dia wheel valve nuts etc., complete	1No.	3626.00	3626.00	3626.00
BD-871F	Supplying and fixing 630mmx450mm Orissa pattern water closet pan with trap, foot rests including concrete encasing of the pan complete finishing the W.C. appurtenance white	1No.	2487.00	2487.00	2487.00
BD-871G	Supplying and fixing 630mmx450mm Orissa pattern water closet pan with trap, foot rests including concrete encasing of the pan complete finishing the W.C. appurtenance colour	1No.	2769.00	2769.00	2769.00
BD-871H	Providing and fixing 100mm dia C.I.Tee branch	1No.	689.42	689.42	689.42
BD-871I	Providing and fixing 50mm dia C.I.Tee branch	1No.	462.34	462.34	462.34
BD-872	Construction of septic tank of standard size 2.0m x0.90m x1.40m for 10 persons capable of cleaning once in 2 years with seepage pit of size 1.5x2.9m (including free board) including earthwork excavation concrete 1:2:4 mix brick work in C.M.1:5 baffle wall, R.C.C. removable slab plastering with C.M.1:3, 12mm thick with necessary ventilating column 75mm dia stoneware pipe and tees of 100mm dia, etc., complete.(M.D.52)	1No.	58098.00	58098.00	58098.00

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BD-872A	Construction of septic tank of standard size 2.3mx1.10mx1.80m for 20 persons capable of cleaning once in 2 years with seepage pit of size 2.5mx3.4m (including free board) including earth work excavation, concrete 1:2:4 mix,brick work in C.M.1:5 baffle wall, R.C.C. removable slab, plastering with C.M. 1:3 12mm thick with necessary ventilating Column 75mm dia, stoneware pipe and Tees of 100mm dia, etc., complete (M.D.53).	1No.	96238.00	96238.00	96238.00
BD-872B	Supplying and fixing bath tub(fibre made) of size 1700x700x450mm with necessary fittings, etc, complete (excluding flooring)	1No.	24372.00	24372.00	24372.00
BD-873	Construction of percolation pit using hand boreset to a hole of 300mm dia upto 4.35m depth and filling with 40mm blue metal granite up to depth of 4.5m and fixing 8"x6" C.I. grating covering with R.C.C. precast slab 1:1.5:3 with steel of 6kg per c.c. slab of size 450mmx450mmx50mm thick to proper level and alignment including, pointing the outer surface of B.G.metal above G.L.15cm height with cm 1:3 to full depth curing etc., complete.	1No.	3917.73	3886.85	3848.83
BD-874	Providing and fixing in position vertically marble partition in the urinals with Raj Nagar marble stone of white hard, dense homogenous colour without cracks, and fissures of size (3.0+2.0)5'height thickness varies from 18 to 20mm including making gress in the wall and pointing and packing with cement mortar 1:3 polishing, finishing on both sides etc., as directed at site.	1sq.m.	1851.00	1851.00	1850.00
BD-875	Manufacturing,Supplying and fixing of Aluminium Die casted letters of size 15cm height and 12mm thick.	1No.	1020.41	1020.41	1020.41
BD-875A	Manufacturing, Supplying and fixing of Aluminium Die casted letters of size 23cm height and 12mm thick.	1No.	1385.52	1385.52	1385.52
BD-875B	Manufacturing, Supplying and fixing of Aluminium Die casted letters of size 30cm height and 12mm thick.	1No.	1969.09	1969.09	1969.09
BD-875C	Manufacturing, Supplying and fixing of Aluminium Die casted letters of size 38cm height and 12mm thick.	1No.	2623.90	2623.90	2623.90
BD-876	Manufacturing, Supplying and Fixing of Brass Die casted letters of size 15cm height and 12mm thick.	1No.	3280.57	3280.57	3280.57
BD-876A	Manufacturing, Supplying and fixing of Brass Die casted letters of size 23cm height and 12mm thick.	1No.	5593.25	5593.25	5593.25
BD-876B	Manufacturing, Supplying and fixing of Brass Die casted letters of size 30cm height and 12mm thick.	1No.	7015.92	7015.92	7015.92
BD-876C	Manufacturing, Supplying and fixing of Brass Die casted letters of size 38cm height and 12mm thick.	1No.	9867.52	9867.52	9867.52
BD-877	Manufacturing, Supplying and fixing of Steel cut letters of size 15cm height and 18mm thick.	1No.	1424.92	1424.92	1424.92

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BD-877A	Manufacturing, Supplying and fixing Steel cut letters of size 23cm height and 18mm thick.	1No.	2026.29	2026.29	2026.29
BD-877B	Manufacturing, Supplying and fixing Steel cut letters of size 30cm height and 18mm thick.	1No.	2585.06	2585.06	2585.06
BD-877C	Manufacturing, Supplying and fixing Steel cut letters of size 38cm height and 18mm thick.	1No.	3815.47	3815.47	3815.47
BD-879	Providing and laying in position ,Standardised Concrete Mix M-20 Grade in accordance with IS :456-2000,using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 325 kg/m3 and maximum water cement ration of 0.55, including admixture (Plasticiser/Superplasticier) in recommended proportions as per IS:9103 to accelerate ,retard setting of concrete,improve workability without impairing strength and durability with about (5.0 cum) 7730 kg of 20 mm machine crushed stone jelly and with about (3.3 cum) 5156 kg of 10-12mm machine crushed stone jelly and with about (4.79 cum) 7670 kg of sand, nut excluding cost of reinforcement grill and fabricating charges,centering and shuttering and also including laying,vibrating with mechanical vibrators,finishing,curing,etc and providing complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS	cu.m	7544.00	7383.00	7197.00
BD-880	Providing and laying in position ,Standardised Concrete Mix M-25 Grade in accordance with IS :456-2000,using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 350 kg/m3 and maximum water cement ration of 0.50, including admixture (Plasticiser/Superplasticier) in recommended proportions as per IS:9103 to accelerate ,retard setting of concrete,improve workability without impairing strength and durability with about (5.0 cum) 7730 kg of 20 mm machine crushed stone jelly and with about (3.3 cum) 5156 kg of 10-12mm machine crushed stone jelly and with about (4.79 cum) 7670 kg of sand, nut excluding cost of reinforcement grill and fabricating charges,centering and shuttering and also including laying,vibrating with mechanical vibrators,finishing,curing,etc and providing complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS	cu.m	7729.00	7569.00	7382.00

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BD-881	<p>Providing and laying in position ,Standardised Concrete Mix M-30 Grade in accordance with IS :456-2000,using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 400 kg/m3 and maximum water cement ration of 0.45, including admixture (Plasticiser/Superplasticier) in recommended proportions as per IS:9103 to accelerate ,retard setting of concrete,improve workability without impairing strength and durability with about (5.0 cum) 7730 kg of 20 mm machine crushed stone jelly and with about (3.3 cum) 5156 kg of 10-12mm machine crushed stone jelly and with about (4.79 cum) 7670 kg of sand, nut excluding cost of reinforcement grill and fabricating charges,centering and shuttering and also including laying,vibrating with mechanical vibrators,finishing,curing,etc and providing complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS</p>	cu.m	8079.00	7918.00	7732.00
BD-881A	<p>Providing and laying in position ,Standardised Concrete Mix M-35 Grade in accordance with IS :456-2000,using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 425 kg/m3 and maximum water cement ration of 0.45, including admixture (Plasticiser/Superplasticier) in recommended proportions as per IS:9103 to accelerate ,retard setting of concrete,improve workability without impairing strength and durability with about (5.0 cum) 7730 kg of 20 mm machine crushed stone jelly and with about (3.3 cum) 5156 kg of 10-12mm machine crushed stone jelly and with about (4.79 cum) 7670 kg of sand, nut excluding cost of reinforcement grill and fabricating charges,centering and shuttering and also including laying,vibrating with mechanical vibrators,finishing,curing,etc and providing complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS</p>	cu.m	8275.00	8115.00	7929.00

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BD-882	Providing and laying in position ,Standardised Concrete Mix M-40 Grade in accordance with IS :456-2000,using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 440 kg/m3 and maximum water cement ration of 0.40, including admixture (Plasticiser/Superplasticier) in recommended proportions as per IS:9103 to accelerate ,retard setting of concrete,improve workability without impairing strength and durability with about (5.0 cum) 7730 kg of 20 mm machine crushed stone jelly and with about (3.3 cum) 5156 kg of 10-12mm machine crushed stone jelly and with about (4.79 cum) 7670 kg of sand, not excluding cost of reinforcement grill and fabricating charges,centering and shuttering and also including laying,vibrating with mechanical vibrators,finishing,curing,etc and providing complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS	cu.m	8410.00	8249.00	8063.00
BD-883	Providing two legged scaffolding using 15cm dia casuarinas post of 4 M over all length (3 M Height + 0.5 M Projection + 0.5 M into the Ground) the distance between the two rows being 1.25 M and the spacing of posts being 2.0 M in both the rows with two horizontal posts with 0.5 M. Overlap on either side and braces at 2.0 M center to center including longitudinal and transverse middle braces to step up and providing a platform with country wood planks of 40mm thick and 1.M width, etc. in a complete from using coil and nails.(Rate for an initial height of 3 M and length of 1 M)	1RM	312.40	312.40	312.40
BD-884	Scaffolding charges for every additional height of 2.5 M height over the initial height of 3 M.	1RM	217.46	217.46	217.46
BD-885	Paving the floor with polished Crystal white Granite slab (16 to 18mm thick) in floors in C.M. 1:3, 20mm thick , over existing R.C.C. precast work table, etc., complete as directed by the Engineer-in-charge	1. sq.m	4450.00	4448.00	4446.00
BD-886	Paving the floor with polished Cat's Eye Granite slab (16 to 18mm thick) in floors in C.M. 1:3, 20mm thick over existing R.C.C. precast work table, etc., complete as directed by the Engineer-in-charge	1. sq.m	4700.00	4698.00	4696.00
BD-887	Cladding the vertical wall with Pre-polished S.K.Blue Granite slabs (16mm to 18mm thick) and best quality free from all defects and set in CM 1:2 for 10mm thick.etc., complete as directed by the Engineer - in - charge	1. sq.m	3883.00	3882.00	3820.00

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BD-888	Cladding the vertical wall with Pre-polished Lavender Blue Granite slabs (16mm to 18mm thick) and best quality free from all defects and set in CM 1:2 for 10mm thick.etc., complete as directed by the Engineer - in - charge	1. sq.m	3823.00	3822.00	3760.00
BD-889	Paving the floor with polished Coffee Brown Granite slab 16 to 18mm thick) in floors in C.M. 1:3, 20mm thick over existing R.C.C. precast work table, etc., complete as directed by the Engineer-in-charge	1sq.m.	3380.00	3378.00	3376.00
BD-890	Paving the floor with polished Black Galaxy Granite slab (16 to 18mm thick) in floors in C.M. 1:3, 20mm thick over existing R.C.C. precast work table, etc., complete as directed by the Engineer-in-charge	1sq.m.	3820.00	3818.00	3816.00
BD-890A	Paving the floor with polished Coffee Brown Italian Marble slab (16 to 18mm thick) in floors in C.M. 1:3, 20mm thick , over existing R.C.C. precast work table, etc., complete as directed by the Engineer-in-charge	1. sq.m	11053.00	11051.00	11050.00
BD-890B	Cladding the vertical wall with Pre-polished Coffee Brown Italian Marble slabs (16mm to 18mm thick) and best quality free from all defects and set in CM 1:2 for 10mm thick.etc., complete as directed by the Engineer - in - charge	1. sq.m	11173.00	11172.00	11110.00
BD-890C	Cladding the vertical wall with Jet Black Granite slabs (16mm to 18mm thick) and best quality free from all defects and set in CM 1:2 for 10mm thick.etc., complete as directed by the Engineer - in - charge	1. sq.m	2459.00	2458.00	2396.00
BD-891	WATER PROOF TREATMENT AT BASEMENT FLOOR Providing of cover plaster (levelling course) over the base concrete in cement mortar 1:4 admixed with suitable water proof compound to a thickness of 20mm including curing etc., complete.	sq.m	374.00	374.00	374.00
BD-892	Providing and applying 2 coats of water proof treatment to basement floor <u>over the finished surface of base concrete (PCC)</u> by <u>crystalization method using suitable high performance chemical compound</u> after thorough cleaning and saturation of surface etc complete	sq.m	671.00	671.00	671.00
BD-893	Providing and applying 2 coats of water proof treatment to <u>RCC retainig wall</u> by <u>crystalization method using suitable high performance chemical compound</u> after thorough cleaning and saturation of surface etc complete	sq.m	671.00	671.00	671.00

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BD-894	Cutting of V shaped groove at <u>construction Joints</u> and packing with suitable high performance chemical compound mixing with cement and sand in the required ratio and curing etc, complete. And drilling of holes along construction joints at a spacing of 1m centre to centre and fixing nozzles and grouting one nozzle using grouting ump etc., complete.	RM	693.00	693.00	693.00
BD-895	PROTECTIVE PLASTERING Providing protective over the water proofing treatment provided over base concrete,RCC retaining wall, sunken slab and terrace in CM 1:4 to a minimum thickness of 12mm with suitable admixture.	sq.m	280.50	280.50	280.50
BD-896	Stainless Steel Handrail 900mm high Providing and fixing stainless steel handrail 900mm high (as shown in drawing) made out of stainless steel conforming to SS 304 with 8% to 8.5% nickel using 50.8mm outer dia at top (with 1.6mm wall thickness) and 38.10mm (1.6mm wall thickness) stainless steel pipe placed vertically at 1m centre to centre and two horizontal SS pipe 25.40mm outer dia (with 1.2mm wall thickness) welded at a distance of 300mm using TIG welding process with 308L SS electrode (in station building all floor staircases) with necessary bends, flanges and base plates. Rate is inclusive of all materials, labours, lead, lift, etc. as directed by Engineer in-charge.	M	5240.40	5240.40	5240.40
BD-897	VINYL FLOORING Supplying & Laying of heavy duty vinyl flooring using WONDER FLOOR / RESCONSIVE or Equivalent make of 2mm thick for high density movement area like auditorium hall. It should be of uniform structure and composition throughout and having adequate flexibility, slip resistance, abrasion resistance, fungi and bacterial resistance and good resilience as per Indian Standard IS - 3462/1996. The rate is inclusive of Aluminium beading wherever required.	m2	810.00	810.00	810.00

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BD-898	<p>FALSE CEILING WITH GYPSUM PLAIN TILES Providing and fixing true horizontal level false ceiling using SAINT - GOBAIN GYPROC or Equivalent make with 24 mm Grid system using hot dipped galvanised Steel Section, exposed surface chemically cleaned caping prefinished in backed polyester paint wall angle of size 24mmX24mm used in the periphery of the ceiling fixed to the wall partition R.C. Column bandwalls with the help of screws at 600mmc/c. Main runner of size 32X24mm suspended at 1200mm c/c max by using securely fixed to the structural soffit of R.C.C. slab by using 6mm Nylon Rawl plug at every 1200mm (Max) and 1200mm long Cross Tee of size 24X24mm to interlocked between Mainrunner at 600mm c/c (max) to form a grid of 1200mmX600mm. 600mm long Cross Tee of size 24X24mm is inserted to form a grid of 600mmX600mm and finally tiles laying with 12mm Gypsum plain Tiles (600mm x 600mm) and Painting with two coat of plastic emulsion paint over one coat of</p>	m2	1660.50	1660.50	1660.50
BD-899	<p>FALSE CEILING WITH MINERAL FIBER TILES Providing and fixing true horizontal level false ceiling using SAINT - GOBAIN GYPROC CELOTEX PIN or Equivalent make with 24 mm Grid system using hot dipped galvanised Steel Section, exposed surface chemically cleaned caping prefinished in backed polyester paint wall angle of size 24mmX24mm used in the periphery of the ceiling fixed to the wall partition R.C. Column bandwalls with the help of screws at 600mmc/c. Main runner of size 32X24mm suspended at 1200mm c/c max by using securely fixed to the structural soffit of R.C.C. slab by using 6mm Nylon Rawl plug at every 1200mm (Max) and 1200mm long Cross Tee of size 24X24mm to interlocked between Mainrunner at 600mm c/c (max) to form a grid of 1200mmX600mm. 600mm long Cross Tee of size 24X24mm is inserted to form a grid of 600mmX600mm and finally tiles laying with saint gobain make mineral fiber pinholes Tiles (600mm x 600mm x15mm)</p>	m2	1949.28	1949.28	1949.28

BD-900	<p>FALSE CEILING WITH GYPSUM BOARD</p> <p>Providing and fixing suspended false ceiling using SAINT - GOBAIN GYPROC or Equivalent make which includes providing and fixing GI perimeter channel of size 0.50mm thick having one flange of 20mm and another flange of 30mm and a web of 27mm along with perimeter of ceiling, screw fixed to brickwall / partition with the help of nylon sleeved and screws at 610mm centres. Then suspending GI intermediate channels of size 45mm, 0.9mm thick with two flange of 15mm each from the soffit at 1220mm centres with ceiling angle of width 25mm x 10mm X 0.55mm thick fixed to soffit with GI cleat and steel expansion fasteners. ceiling section 0.55mm thickness having knurled web of 51.5mm and two flanges of 26mm each with lops of 10.5mm are then fixed to the intermediate channel with the help of connecting clips and in direction perpendicular to the intermediate channel at 610mm centres. 12.5mm Gypboard is then screw fixed to ceiling section with 25mm dry wall screws at</p>	m2	1592.87	1592.87	1592.87
BD-901	<p>FALSE CEILING WITH THERMOCOL TILES</p> <p>Providing & fixing of Thermocol false ceiling using aluminium Main & Cross T of size 1" x 1" - 1.2mm thick and Aluminium L channel of size 1"x 1" 1.2mm thickness, forming the grid of 610 x 610mm and laying 25mm thick thermocol Tile (610 mm x 610 mm)</p>	m2	1128.88	1128.88	1128.88
BD-902	<p>GYPBOARD DOUBLE SKIN PARTITION</p> <p>Providing and fixing of Gypsum Dry wall Double skin partition of 75 mm thick using SAINT - GOBAIN GYPROC or Equivalent make and the partition shall be of one layers of tapered edge 12.5mm thk Gyp board screw fixed with dry wall screw of 25mm at 300mm c/c to either side of 48mm studs. GI steel sections to be placed at 610 mm c/c in 50mm floor and ceiling channel 0.55mm thick having equal flanges of 32mm made of GI steel with joints staggered to avoid leakage through joints. Finally square and tapered edges of the boards are to be finished so as to have a flush look which includes filling and finishing with jointing compound, joint paper and 2 coats of Drywall top Coat suitable for Gypsum upto primer level.As per India Gypsum Specs.Note: Angle Bead to be used at external angles to get straight line finish & protection from normal impacts.</p>	m2	2601.27	2601.27	2601.27

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BD-903	<p>GYPBOARD DOUBLE SKIN PARTITION WITH GLAZING 5MM GLASS</p> <p>Providing and fixing of Gypsum Dry wall Double skin partition of 75 mm thick using SAINT - GOBAIN GYPROC or Equivalent make and the partition shall be of one layers of tapered edge 12.5mm thk Gyp board screw fixed with dry wall screw of 25mm at 300mm c/c to either side of 48mm studs. GI steel sections to be placed at 610 mm c/c in 50mm floor and ceiling channel 0.55mm thick having equal flanges of 32mm made of GI steel with joints staggered to avoid leakage through joints. Finally square and tapered edges of the boards are to be finished so as to have a flush look which includes filling and finishing with jointing compound, joint paper and 2 coats of Drywall top Coat suitable for Gypsum upto primer level.As per India Gypsum Specs.Note: Angle Bead to be used at external angles to get straight line finish & protection from normal impacts. Edge boards edge bead to be used to protect Gypsum core of Gypboard specially at cut edges of the openings for</p>	m2	2759.37	2759.37	2759.37
BD-904	<p>Art work as per the direction of department official, over Oil Painting with first class quality and approved colour including a priming coat with thorough scrapping clean removal of dirt., etc., complete and including necessary plaster of paris, putty, etc., wherever required (Relevant ISI STD), excluding putty works.</p>	m2	402.83	402.83	402.83
BD-905	<p>Art work as per the direction of department official, over Oil Painting with first class quality and approved colour including a priming coat with thorough scrapping clean removal of dirt., etc., complete and including necessary plaster of paris, putty, etc., wherever required (Relevant ISI STD), including putty works.</p>	m2	484.54	484.54	484.54
BD-906	<p>Supplying and fixing ornamental flowers made in cast iron including one coat of Red Oxide Painting etc complete</p>	1sq.m	92.25	92.25	92.25
BD-907	<p>Supplying and fixing M.S.Grills for OSR Land/Parks compound wall of design using 25 x 10mm MS flats for outer frame Horizontally & vertically. The inner vertical grills shall be 10x 10mm square rods at the spacing of 96mm c/c. The inner horizontal grills shall be 25 x 10mm MS flats adjoining 10 x 10mm square rods both sides at the spacing of 290mm c/c. The horizontal anchoring to wall shall be 20 x 5mm. The vertical anchoring shall be 25 x 10mm. The arrows with vertical shall be 20 x 5mm. (Sketch enclosed) and also as directed during execution</p>	1sq.m	1644.00	1644.00	1644.00

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BD-908	<p><u>PROVIDING TEAKWOOD FLOORING 40MM THICK</u></p> <p>The timber for the floors shall be of best seasoned teakwood, conforming to the requirements of wood in the standard specification for “wood work wrought and putup”. The planks shall be 40mm thick, but shall not be greater than 15cm wide and 3.05m long. The planks should be tongued and grooved. The upper surface of joists shall be tested and dressed off to one level. The joists shall then be given two coats of either tar or solignum as instructed or specified – no extra payment being given for this painting. The outer line of planking shall be accurately fixed parallel with, and close up to the wall. Each subsequent line shall have the side joints carefully jointed up and shall then be cramped into position by flooring cramps and screwed to the joists. 80mm long screws shall be used for each plank wherever it crosses or ends on joist. The heads of the screws shall be counter-sunk and the surface planed smooth. Care must be taken that the floor is</p>	1sq.m	4494.00	4494.00	4494.00
BD-909	Supplying and fixing of Frame fabrication with 1"x1" MS square tube with reflective and digital printing on 1mm GI sheets fitted with suitable aluminium beadings on four sides and painted etc., complete as per colour specifications instructed by Corporation officials.	1sq.m	187.55	187.55	187.55
BD-910	Paving the floor with Ruby Red / Raw silk Granite (polished granite 20mm thick) in floors in C.M. 1:3, 20mm thick	1sq.m	2230.00	2228.00	2226.00
BD-912	<p>Manufacturing, supplying & fixing in position Steel windows glazed with openable shutter frame and shutter frame made out of steel section confirming to IS 7452/ 1990. The outer frames of windows made of Z section (F7D) of size 25 x 20 x 3 mm confirming to IS 7452/1992 mullions are made of (F4B) of section size 46x25x3mm confirming to IS 7452/1990. The shutters are individual and each of them can be operated separately. Sash bars are made of "T" section (T2) of size 25x22x3m, 2nos of sturdy hinges and one number of handle cum slatch of special type are fixed with openable shutter. Suitable Sqm 3205.00 3205.00 3205.00 opening is left for its any operation. One number of</p>	1sq.m	305.00	305.00	305.00

BD-913	STEEL DOOR Fabricating Supply and fixing and position of MS doors with single leave. The door outer frame will be 40x40x6mm MS angle, the shutter frame will be 35x35x6 mm, MS angle intermediate stiffner will be 35x35x6 mm with cross stiffner 25x25x5 mm flats covered with 18 gauge M.S. sheet with necessary hinges, tower bolts, aldop length 30mm and hold fast etc., complete with one coat red oxide primer.	1sq.m	245.00	245.00	245.00
BD-914	Fabrication, Supply and fixing in position of 'N' type ventilators using M.S. angle of size 25x25x5 mm for frame and M.S. flat of size 20x3 mm for fixing the weld mesh and using 25X 22X 3 MM ' T ' section for frame glass. Special type of Hold fast welded to the frame of 45 degree inclined towards centre for wall and fixing the weldmesh 25mm square including cost of 3mm thick pinheaded glass panes for all panels and fixing Sqm 2041.00 2041.00 2041.00 the glass panels with necessary clips & putties with required bolts,nuts and washers and one coat of red oxide primer etc., including necessary dismantling,making holes in RCC columns, beams,masonry wherever necessary with power drill to the extent required and made good to the	1sq.m	180.00	180.00	180.00
BD-915	2" Ornamental moulding work including material labour ,scaffolding etc complete.	R/M	155.00	155.00	155.00
BD-916	Manufacturing and supplying ornamental khooja including material,labour etc.complete.	NOS	925.00	925.00	925.00

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BD-917	<p>Providing UPVC (Un-Plasticized Polyvinyl Chloride) Door:Providing and fixing casement dorrs fabricated form Un-Plasticized Polyvinyl Chloride (UPVC) sections.</p> <p>Profiles:The profiles should be three chamber system which provides high insulation properties with outer frame 60mm x 55mm with an outer wall thickness of 2.4mm.The window unit should be designed with all corner joints mitred and fusion welded. Windows should be steel reinforced with 25 x 24 x 25mm steel reinforcement with a thickness of 1mm to have dimensional stability. The sash should be of 60 x 102mm. The mullion should be of 60 x 74mm. The profiles should have co-extracted seals.</p> <p>Hardware: All the hardware like friction stays,handles should be screwed with self tapping screws. The handless, licks should be designed so that they cannot be released from outside.</p> <p>Glazing:The window system should be glazed with 5 mm plain float glass / 6mm</p>	sqm.	7070.00	7070.00	7070.00
BD-918	<p>UPVC Window</p> <p>Specification:</p> <p>Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 125GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with Espag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown colour glass 4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking</p>	sqm.	6363.00	6363.00	6363.00

BD-919	<p>UPVC Ventilator Specification: Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) louvered Ventilators of from the profile the size of outer frame 60mm x 58mm and shutter profile size of 60 x 78mm both profiles are reinforced with GI/1mm 125GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter. The corners and joints should be welded and cleaned. Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The ventilator should be got approved from the Executive Engineer before use on work.</p>	sqm.	6893.00	6893.00	6893.00
BD-920 A	<p>Supplying and erecting in position of 50 litres capacity Industrial Model Reverse Osmosis Water-cum-purifier to deliver Potable Water with world Health Organisation (WHO) Standards with following accessories (a) MS Skid – 1No (b) Media 11054 No, Vessel with 20 bb Multiport Valve (with Media Pubble and Fine Sand and Activated Carbon Filling) set (c) Feed Pump 0.50 HP – 1 No. (d) Vertical Pump 2-9, 2.00HP / Single Phase – 1 No (e) Membrane 40 x 40 filmtech (or) equilaents / Osmonic (USA) – 1 No. and Membrane Pressure Vessel 40 x 40 – 1 No. & Pressure Gauge – 2 Nos. (f) Flow Meter – 1 No. 20” Filter with Housing – 1 No., Low Pressure Switch – 1 No., Level Switch – 1 No. & Necessary CPVC Pipes and Fittings. The system shall be provide with Two Panel</p>	set	39540.00	39540.00	39540.00

BD-920 B	<p>Supplying and erecting in position of 250 liters capacity Industrial Model Reverse Osmosis Water-cum-purifier to deliver Potable Water with world Health Organisation (WHO) Standards with following accessories (a) MS Skid – 1No (b) Media 11054 No, Vessel with 20 bb Multiport Valve (with Media Pubble and Fine Sand and Activated Carbon Filling) set (c) Feed Pump 0.50 HP – 1 No. (d) Vertical Pump 2-9, 2.00HP / Single Phase – 1 No (e) Membrane 40 x 40 filmtech (or) equilaents / Osmonic (USA) – 1 No. and Membrane Pressure Vessel 40 x 40 – 1 No. & Pressure Gauge – 2 Nos. (f) Flow Meter – 1 No. 20” Filter with Housing – 1 No., Low Pressure Switch – 1 No., Level Switch – 1 No. & Necessary CPVC Pipes and Fittings. The system shall be provide with Two Panel</p>	Set	106000.00	106000.00	106000.00
BD-920 C	<p>Supplying and erecting in position of 500 liters capacity Industrial Model Reverse Osmosis Water-cum-purifier to deliver Potable Water with world Health Organisation (WHO) Standards with following accessories (a) MS Skid – 1No (b) Media 11054 No, Vessel with 20 bb Multiport Valve (with Media Pubble and Fine Sand and Activated Carbon Filling) set (c) Feed Pump 0.50 HP – 1 No. (d) Vertical Pump 2-9, 2.00HP / Single Phase – 1 No (e) Membrane 40 x 40 filmtech (or) equilaents / Osmonic (USA) – 1 No. and Membrane Pressure Vessel 40 x 40 – 1 No. & Pressure Gauge – 2 Nos. (f) Flow Meter – 1 No. 20” Filter with Housing – 1 No., Low Pressure Switch – 1 No., Level Switch – 1 No. & Necessary CPVC Pipes and Fittings. The system shall be provide with Two Panel</p>	Set	222000.00	222000.00	222000.00

BD-920 D	<p>Supplying and erecting in position of 1000 liters capacity Industrial Model Reverse Osmosis Water-cum-purifier to deliver Potable Water with world Health Organisation (WHO) Standards with following accessories (a) MS Skid – 1No (b) Media 11054 No, Vessel with 20 bb Multiport Valve (with Media Pubble and Fine Sand and Activated Carbon Filling) set (c) Feed Pump 0.50 HP – 1 No. (d) Vertical Pump 2-9, 2.00HP / Single Phase – 1 No (e) Membrane 40 x 40 filmtech (or) equilaents / Osmonic (USA) – 1 No. and Membrane Pressure Vessel 40 x 40 – 1 No. & Pressure Gauge – 2 Nos. (f) Flow Meter – 1 No. 20” Filter with Housing – 1 No., Low Pressure Switch – 1 No., Level Switch – 1 No. & Necessary CPVC Pipes and Fittings. The system shall be provide with Two Panel</p>	Set	370000.00	370000.00	370000.00
BD-920 E	<p>Supplying and erecting in position of 2000 liters capacity Industrial Model Reverse Osmosis Water-cum-purifier to deliver Potable Water with world Health Organisation (WHO) Standards with following accessories (a) MS Skid – 1No (b) Media 11054 No, Vessel with 20 bb Multiport Valve (with Media Pubble and Fine Sand and Activated Carbon Filling) set (c) Feed Pump 0.50 HP – 1 No. (d) Vertical Pump 2-9, 2.00HP / Single Phase – 1 No (e) Membrane 40 x 40 filmtech (or) equilaents / Osmonic (USA) – 1 No. and Membrane Pressure Vessel 40 x 40 – 1 No. & Pressure Gauge – 2 Nos. (f) Flow Meter – 1 No. 20” Filter with Housing – 1 No., Low Pressure Switch – 1 No., Level Switch – 1 No. & Necessary CPVC Pipes and Fittings. The system shall be provide with Two Panel</p>	Set	509000.00	509000.00	509000.00

BD-921 A	<p>Medical Gas Arrangements :</p> <p>Medical Gas Copper Pipeline 10mm OD 0.90mm thick copper pipe arrangement to hang on the wall of socket type connection installation of seamless cleaned and greased non arsenical phosphrous gas copper pipe line with saddles complete with brazing work including all copper fitting (tee, elbow, reducer, coupling). The copper pipelines should be tested suitable for steam of working pressure of 17.34Kg. / cm² (17 bar) and confirm to Bs 864 Standard with specially made for brazed socket type connection. The medical gas copper pipeline should be tested as per standard and commissioning after painting as per international Code No. IS 2379/1963 Table-V. The pipelines installed at the various wings and floors etc., complete as directed by the Departmental Officers as per IS code 12827 / 1989 & ISO 7396 / 1987 Specification.</p>	RM	311.00	311.00	311.00
BD-921 B	<p>Medical Gas Copper Pipeline 15mm OD 0.90mm thick copper pipe arrangement to hang on the wall of socket type connection installation of seamless cleaned and greased non arsenical phosphrous gas copper pipe line with saddles complete with brazing work including all copper fitting (tee, elbow, reducer, coupling). The copper pipelines should be tested suitable for steam of working pressure of 17.34Kg. / cm² (17 bar) and confirm to Bs 864 Standard with specially made for brazed socket type connection. The medical gas copper pipeline should be tested as per standard and commissioning after painting as per international Code No. IS 2379/1963 Table-V. The pipelines installed at the various wings and floors etc., complete as directed by the Departmental Officers as per IS code 12827 / 1989 & ISO 7396 / 1987 Specification.</p>	RM	452.00	452.00	452.00

BD-921 C	<p>Medical Gas Copper Pipeline 22mm OD 0.90mm thick copper pipe arrangement to hang on the wall of socket type connection installation of seamless cleaned and greased non arsenical phosphrous gas copper pipe line with saddles complete with brazing work including all copper fitting (tee, elbow, reducer, coupling). The copper pipelines should be tested suitable for steam of working pressure of 17.34Kg. / cm² (17 bar) and confirm to Bs 864 Standard with specially made for brazed socket type connection. The medical gas copper pipeline should be tested as per standard and commissioning after painting as per international Code No. IS 2379/1963 Table-V. The pipelines installed at the various wings and floors etc., complete as directed by the Departmental Officers as per IS code 12827 / 1989 & ISO 7396 / 1987 Specification.</p>	RM	755.00	755.00	755.00
BD-921 D	<p>Medical Gas Copper Pipeline 28mm OD 0.90mm thick copper pipe arrangement to hang on the wall of socket type connection installation of seamless cleaned and greased non arsenical phosphrous gas copper pipe line with saddles complete with brazing work including all copper fitting (tee, elbow, reducer, coupling). The copper pipelines should be tested suitable for steam of working pressure of 17.34Kg. / cm² (17 bar) and confirm to Bs 864 Standard with specially made for brazed socket type connection. The medical gas copper pipeline should be tested as per standard and commissioning after painting as per international Code No. IS 2379/1963 Table-V. The pipelines installed at the various wings and floors etc., complete as directed by the Departmental Officers as per IS code 12827 / 1989 & ISO 7396 / 1987 Specification.</p>	RM	933.00	933.00	933.00

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BD-921 E	Medical Gas Copper Pipeline 42mm OD 1.20mm thick copper pipe arrangement to hang on the wall of socket type connection installation of seamless cleaned and greased non arsenical phosphrous gas copper pipe line with saddles complete with brazing work including all copper fitting (tee, elbow, reducer, coupling). The copper pipelines should be tested suitable for steam of working pressure of 17.34Kg. / cm ² (17 bar) and confirm to Bs 864 Standard with specially made for brazed socket type connection. The medical gas copper pipeline should be tested as per standard and commissioning after painting as per international Code No. IS 2379/1963 Table-V. The pipelines installed at the various wings and floors etc., complete as directed by the Departmental Officers as per IS code 12827 / 1989 & ISO 7396 / 1987 Specification.	RM	2020.00	2020.00	2020.00
BD-921 F	Medical Gas Copper Pipeline 54mm OD 1.20mm thick copper pipe arrangement to hang on the wall of socket type connection installation of seamless cleaned and greased non arsenical phosphrous gas copper pipe line with saddles complete with brazing work including all copper fitting (tee, elbow, reducer, coupling). The copper pipelines should be tested suitable for steam of working pressure of 17.34Kg. / cm ² (17 bar) and confirm to Bs 864 Standard with specially made for brazed socket type connection. The medical gas copper pipeline should be tested as per standard and commissioning after painting as per international Code No. IS 2379/1963 Table-V. The pipelines installed at the various wings and floors etc., complete as directed by the Departmental Officers as per IS code 12827 / 1989 & ISO 7396 / 1987 Specification.	RM	2525.00	2525.00	2525.00
BD-922	Gas Outlet Points: (Self sealing type - Single / DIN outlet pipe) with 'S' type bracket made up of copper and the outlet of non-interchangeable for other gas. The outlet points are brazed with brass bracket with self sealing valve (Stainless Steel) with all accessories and complete set and are covered by plastic cover duly colour coated as per specific gas and button cover etc complete as directed by the Departmental Officers and as per IS Code 12827 / 1989 & ISO 7396 / 1987 Specification.	Each	1155.00	1155.00	1155.00

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BD-923	<p>Oxygen manifold arrangements of 2 banks x 12 cylinder each wing with semi automatic control panel which includes contact gauge 2 Nos., outlet pressure gauge, brass heavy duty IO x regulator 2 Nos. with suitable adopter, flexible SS Hose. Manifold shall be of a construction and of a designs and material suitable for the service pressure in accordance with IS 1282-1989. Emergency alarms with illuminating display for low / high pipeline pressure and malfunctioning of system.</p> <p>1) Manifold top frame with provision for connecting 12 cylinders on right bank and 12 cylinders on left bank with high pressure interconnecting copper tubing, silver brazing, non return valve, fasteners and cylinder support middle angle frame for claping 2 x 12 cylinders and relater fasteners. The O2 manifold should with stand a pressure of 140 Kg. / CMS. The installation is commissioned after testing as per standards and painted as per International Code and as directed by the</p>	Each	164400.00	164400.00	164400.00
BD-924	<p>Nitrous Oxide manifold Arrangements of 2 banks x 3 cylinder each wing, with automatic control panel which includes contact gauge 2 Nos., outlet pressure gauge, brass heavy duty IOX regulator 2 Nos. with suitable adopter, flexible SS hose. Manifold shall be of a construction and of a designs and material suitable for the service pressure in accordance with IS 1282-1989. Emergency alarams with illuminating display for low / high pipeline pressure and malfunctioning of system.</p> <p>1) 2 x 3 cylinder Nitrus Oxide Manifold should be suitable with stand a pressure of 140 Kg. / Cm2 and above along with high pressure copper annealed tall pipes with end brass adapter suitable for Nitrous Oxide Cylinders and manifold.</p> <p>2) Top frame comprising of high pressure copper pipes of size 12mm ID 1.5mm wall thick with high pressure brass fitting made of high tensile brass and connections through non-return valves, high pressure copper tall pipes made of high pressure copper pipe size of 7mmID x 1.5mm thick.</p> <p>3) The design of middle and bottom frames</p>	Each	93300.00	93300.00	93300.00

BD-925 A	Brass Isolation Valve 15mm Isolation Valve suitable for the copper pipe and should be of non lubricated 90 degree turn lever ball valve of reputed make, connected in line with medical gas pipe line system by using suitable size brass valve adopter union, ferrule, nipple, rubber 'O' ring, tapion lap and etc. All pipe line regulators shall be capable of controlling pipe line pressure and must compatible with the requirements specified in IS 12827 / 1989. All valves should be pneumatically tested for twice the working pressure for the gas line as per IS 12827 / 1989 & ISO 7396 / 1987 Specification.	Each	1199.00	1199.00	1199.00
BD-925 B	Brass Isolation Valve 22mm Isolation Valve suitable for the copper pipe and should be of non lubricated 90 degree turn lever ball valve of reputed make, connected in line with medical gas pipe line system by using suitable size brass valve adopter union, ferrule, nipple, rubber 'O' ring, tapion lap and etc. All pipe line regulators shall be capable of controlling pipe line pressure and must compatible with the requirements specified in IS 12827 / 1989. All valves should be pneumatically tested for twice the working pressure for the gas line as per IS 12827 / 1989 & ISO 7396 / 1987 Specification.	Each	1822.00	1822.00	1822.00
BD-925 C	Brass Isolation Valve 28mm Isolation Valve suitable for the copper pipe and should be of non lubricated 90 degree turn lever ball valve of reputed make, connected in line with medical gas pipe line system by using suitable size brass valve adopter union, ferrule, nipple, rubber 'O' ring, tapion lap and etc. All pipe line regulators shall be capable of controlling pipe line pressure and must compatible with the requirements specified in IS 12827 / 1989. All valves should be pneumatically tested for twice the working pressure for the gas line as per IS 12827 / 1989 & ISO 7396 / 1987 Specification.	Each	2088.00	2088.00	2088.00
BD-925 D	Brass Isolation Valve 42mm Isolation Valve suitable for the copper pipe and should be of non lubricated 90 degree turn lever ball valve of reputed make, connected in line with medical gas pipe line system by using suitable size brass valve adopter union, ferrule, nipple, rubber 'O' ring, tapion lap and etc. All pipe line regulators shall be capable of controlling pipe line pressure and must compatible with the requirements specified in IS 12827 / 1989. All valves should be pneumatically tested for twice the working pressure for the gas line as per IS 12827 / 1989 & ISO 7396 / 1987 Specification.	Each	3838.00	3838.00	3838.00

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BD-926	Theatre Vacuum Unit: The unit should comprise of two reusable 2000 ml shatter resistant bottle. Each made up of ply carbonate material and fully autoclavable at 134 degree centigrade, should have a vacuum regulator with instant ON / OFF switch and tree way left, right or both. All the above items should be mounted on a trolley having free moving castor wheels (As per IS 12827 / 1989 & ISO 7396 / 1987)	Each	10605.00	10605.00	10605.00
BD-927	Flow Meter made up of Brass with Humidifier Bottle Flow Metter should be back pressure compressed and should be accurate gas flow measurement with control range 0-13 liters per minute. It should meet strict permission and dumbing standard. The meter body should be made of brass materials. The humidifier bottle should be made of unbreakable polycarbonate material and auto cleavable at 134 degree centigrade. The rate includes flow meter and its accessories (silicon tube with mask). The cost of materials including transport, etc., complete as per standard specification and as directed by the Departmental Officer and as per As per IS 12827 / 1989 & ISO 7396 / 1987 Specification.	Each	1350.00	1350.00	1350.00
BD-928	Ward Vacuum Unit with Gauge both mounted on a collection jar of capacity 600 ml and with a wall bracket for mounting it on the wall. The collection jar should be made of unbreakable polycarbonate materials which is fully auto cleavable at 134 degree centigrade as per standard specification and as directed by the Departmental Officer and as per IS 12827 / 1989 & ISO 7396 / 1987 Specification.	Each	1616.00	1616.00	1616.00
BD-929	Supply, Installation, testing and commissioning of equivalent to Ingersoll Rand Reciprocating Air Cooled Type (10 HP + 5 HP) raging vacuum pump as per following provision. As per IS 12827 / 1989 & ISO 7396 / 1987 Specification. a) Vacuum pump – 10 HP – 1 set b) Electric motor – 5 HP – 1 No. c) DOL starter with OLR - 1 No. d) Vacuum switch – 1 No. e) Vacuum Gauge – 1 No. f) Control Frame with Fittings – 1 No. g) Suction Scrubber – 1 No. h) V-Belts – 1No. i) GI & MS fittings – 1 No.	Each	398900.00	398900.00	398900.00

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BD-930	Supply, Installation, testing and commissioning of Compressed Air System of Reciprocating Oil Free Air Compressor belt driven type air compressor with following provisions. As per IS 12827 / 1987 & ISO 7396 / 1987 Specification Compressor package consists of following: a) 10 HP Air Compressor – 2 Nos. b) Electric Motor 10 HP-1 No. c) Dol starter – L&T-10 HP – 1 No. d) Base Frame Kit (for Motor and Compressor) – 1set e) Pressure Swith – 1 No. f) Pressure Gauge – 1 No. g) NRV and Pilot Fittings – 1 No. h) Delivery Tube – 1 No. i) Foundation Bolts & Anchor Fasteners – 1 Lot j) Belt Guard – 1 No. k) Air Drier 50 to 60 cfm. Capacity – 1 No. Drain Ball Valve – 1 No., Air Outlet Ball valve – 1 No., Vacuum Room & Air Compressor Room Inside Accessories: Non-Return Valves, Air Pressure Switch, Pressure Gauge, Isolation Valves, Air	Each	419000.00	419000.00	419000.00
BD-931	Supply, Installation, testing and Commissioning of MS Fabricated Vertical Mounted Type 1000 liters capacity Vacuum Receiver with inlet, and outlet and drain holes provided suitable to operate with vacuum pump, etc., as directed by the Departmental Officers.	Each	86650.00	86650.00	86650.00
BD-932	Supply, Installation, testing and commissioning of MS Fabricated Vertical Mounted type 1000 liters capacity Compressed Air Receiver with inlet and outlet and drain holes provided suitable to operate with vacuum pump etc as directed by the Departmental Officers.	Each	85800.00	85800.00	85800.00
BD-933	Single Arm Pendent Mounted on Ceiling Height as directed by the Departmental Officers. All items are Ms powder coated. The cost includes cost of all materials, labour charges, dismantling and re-doing masonry to original condition, painting of masonry works taxes including transports, risk allowance, scaffolding etc., complete and as per IS Code 12827 / 1989 & ISO 7396 / 1987 Specification.	Each	143400.00	143400.00	143400.00
BD-934	Bed Head Panel of size 1m length, height 0-0.30 cm and depth of 4". The aluminium powder coated with requirement colour for provision points of 02-2 Nos., Air 1 No., Vaccum 1 No. with double electrical socket with switch 2 Nos. with 2 set with 1V – bottle holder fixing to the wall hanging including monitor stand etc., complete	Each	16160.00	16160.00	16160.00

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BD-935	upplying, fabricating and fixing slotted carriers with the following specifications. The carriers should be made of GI Sheet of 16G with slots. The size of carrier is 300 x 30mm and are to be spaced at 50 cm centre to centre. The carriers are to be fixed on suspenders with the help of lock nuts. These suspenders are made of galvanized MS rods size of 6mm dia. The suspenders should be threaded to its full length so that the carrier shall be fixed at any height depending on the onsite requirement. The suspenders are to be fixed on the soffit of ceiling with self fixing anchore bolts. All components of suspenders and slotted carriers should be galvanized. The rate includes cost of all materials, labour charges for drilling and fixing the whole assembly at required places, complete and as directed by the Departmental Officers.	Each	146.00	146.00	146.00
BD-936	Supplying and fixing of Cylinder 46 Litre "D" Type Empty Seamless Medical Nitrous Cylinder with Valve and as per IS Code 12827 / 1989 & ISO 7396 / 1987 Specification etc., complete and complying with standard specification.	Each	14260.00	14260.00	14260.00
BD-937	Supplying and fixing of Cylinder 46 Litre "D" Type Empty Seamless Medical Oxygen Cylinder with Valve and as per IS Code 12827 / 1989 & ISO 7396 / 1987 Specification etc. complete and complying with standard specification.	Each	14260.00	14260.00	14260.00
BD-938	Supplying, fabricating and fixing Oxygen Boyles Kit for Operation Theatre with following specification: The Boyles Kit Hose is made of silicon and of white colour as per standard suitable adaptor fixed on higher end of hose of connect outlet unit and Boyles Machine. The adaptor must be made of SS of superior quality. The rate includes cost of all materials and labour charges for fixing in proper position etc. complete and complying with standard specification.	Each	1616.00	1616.00	1616.00
BD-939	Supplying, fabricating and fixing Nitrous Oxide Boyles Kit for Operation Theatre with following specification: The Boyles Kit Hose is made of silicon and of white colour as per standard suitable adaptor fixed on higher end of hose to connect outlet unit and Boyles Machine. The adaptor must be made of SS of superior quality. The rate includes cost of all materials and labour charges for fixing in proper position etc. complete and complying with standard specification.	Each	1616.00	1616.00	1616.00

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BD-940 A	FIRE FIGHTING ARRANGEMENTS : 100 mm dia Wrapping and Coating Anti-Corrosive Treatment for under ground MS pipe having one coat of anti-corrosive metal primer, one layer of asphalt tar tape wound over the MS pipe as per standard methods as per standard specification as directed by the Departmental Officers.	RM	353.00	353.00	353.00
BD-940 B	FIRE FIGHTING ARRANGEMENTS : 80 mm dia Wrapping and Coating Anti-Corrosive Treatment for under ground MS pipe having one coat of anti-corrosive metal primer, one layer of asphalt tar tape wound over the MS pipe as per standard methods as per standard specification as directed by the Departmental Officers.	RM	252.00	252.00	252.00
BD-941	Supply erection, testing and commissioning of 80mm dia Heavy Duty Foot Valve including necessary MS flange of table 'E', gaskets, bolts & nuts, etc., installed at end of 80mm dia suction pipeline at sump as per the standard method and as directed by the Departmental Officers.	Each	13130.00	13130.00	13130.00
BD-942	Supply, erection, testing and commissioning of cast iron body and gun metal or stainless steel Internal Non Return Valve of size of 80mm dia to control one way flow of water to be installed pump room at delivery line and near overhead tank at terrace level near to jockey pump and motor including necessary MS flange of table 'E', Gaskets, bolts & nuts, etc. as per IS 5312 including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers.	Each	10605.00	10605.00	10605.00
BD-943 A	Supply and laying of sizes 3 core 95 sq.mm. armoured aluminium cable of Armoured Aluminium Cables for electrical motor, control panel, pressure switch, jockey motor etc., The rate inclusive of all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary , etc., complete as per standard specification and as directed by the Departmental Officers. Make: POLYCAB / PARACON / FINOLEX / EQUIVALENT.	RM	505.00	505.00	505.00

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BD-943 B	Supply and laying of sizes 4 core 16 sq.mm. armoured aluminium cable of Armoured Aluminium Cables for electrical motor, control panel, pressure switch, jockey motor etc., The rate inclusive of all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary , etc., complete as per standard specification and as directed by the Departmental Officers. Make: POLYCAB / PARACON / FINOLEX / EQUIVALENT.	RM	217.00	217.00	217.00
BD-943 C	Supply and laying of sizes 4 core 10 sq.mm. armoured aluminium cable of Armoured Aluminium Cables for electrical motor, control panel, pressure switch, jockey motor etc., The rate inclusive of all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary , etc., complete as per standard specification and as directed by the Departmental Officers. Make: POLYCAB / PARACON / FINOLEX / EQUIVALENT.	RM	176.70	176.70	176.70
BD-943 D	Supply and laying of sizes 2 core 1.5 sq.mm. armoured multi strand aluminium cable of Armoured Aluminium Cables for electrical motor, control panel, pressure switch, jockey motor etc., The rate inclusive of all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary , etc., complete as per standard specification and as directed by the Departmental Officers. Make: POLYCAB / PARACON / FINOLEX / EQUIVALENT.	RM	136.30	136.30	136.30
BD-943 E	Supply and laying of sizes 3 core 10 sq.mm. armoured aluminium cable of Armoured Aluminium Cables for electrical motor, control panel, pressure switch, jockey motor etc., The rate inclusive of all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary , etc., complete as per standard specification and as directed by the Departmental Officers. Make: POLYCAB / PARACON / FINOLEX / EQUIVALENT.	RM	176.70	176.70	176.70

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BD-943 F	Supply and laying of sizes 10 core 2.5 sq.mm. armoured aluminium cable of Armoured Aluminium Cables for electrical motor, control panel, pressure switch, jockey motor etc., The rate inclusive of all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary , etc., complete as per standard specification and as directed by the Departmental Officers. Make: POLYCAB / PARACON / FINOLEX / EQUIVALENT.	RM	398.90	398.90	398.90
BD-943 G	Supply and laying of sizes 2 core 2.5 sq.mm. armoured aluminium cable of Armoured Aluminium Cables for electrical motor, control panel, pressure switch, jockey motor etc., The rate inclusive of all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary , etc., complete as per standard specification and as directed by the Departmental Officers. Make: POLYCAB / PARACON / FINOLEX / EQUIVALENT.	RM	156.50	156.50	156.50
BD-944	Supply, Installation, testing and commissioning of Micro Processor based Conventional 12 Zone Fire Alarm Control Panel having the rating of 24 volt DC power supply, consisting 230 / 24 volt SMPS unit, 2 Nos. of 12 volts, 7AH standby batteries, suitably mounted on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers.	Each	77700.00	77700.00	77700.00
BD-945	Supply, Installation, testing and commissioning of Micro Processor based Conventional 4 Zone Fire Alarm Control Panel having the rating of 24 volt DC power supply, consisting 230 / 24 volt SMPS unit, 2 Nos. of 12 volts, 7AH standby batteries, suitably mounted on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers.	Each	45400.00	45400.00	45400.00
BD-946	Supply, installation, testing and commissioning of Conventional Smoke Detector suitably mounted on ceiling with MS junction box / false ceiling using fixing accessories like screws, plug, clamps, etc., as per standard methods and as directed by the Departmental Officers. (Make: Apollo / Equivalent)	Each	2120.00	2120.00	2120.00

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BD-947	Supply, installation, testing and commissioning of Manual Call Point (MCP) providing on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers. (Make: Ravel / Equivalent)	Mtr	1615.00	1615.00	1615.00
BD-948	Supply, installation, testing and commissioning of Electronic Hooter / Sounder providing on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers. (Make: Ravel / Equivalent)	Each	1565.00	1565.00	1565.00
BD-949	Supply and laying of FRLS PVC insulated 2 core 1.5 sq.mm Armoured Copper Cable on Ceiling / wall using fixing accessories like screws, plug, clamp, etc., as per standard methods and as directed by the Departmental Officers.	Each	101.00	101.00	101.00
BD-950	Supply and fixing of Water CO2 stored Pressure Type 9 liters capacity Fire Extinguisher as per new IS 15683 complete with control valve, gun metal cap, pressure gauge, operation sticker, discharge hose, wall mounting bracket, safety clip, etc., as directed by the Departmental Officers.	Each	6060.00	6060.00	6060.00
BD-951	Supply and erection of Double Leaves Fire Rated Door with Frame having the dimension of 1800mm x 700mm with following specification: a. Door Frame 1.6mm : Galvanized 120 GSM branded make JSW b. Door Leaf 1mm: Galvanized 120 GSM branded make JSW c. Shutter Thickness:46mm d. Honeycomb: In-fill e. Glue Macroplast UR-7221 f. Door Hinges: 4"x3" x 3mm, Double Ball: Make Assa Abloy yale Ball bearing Butt Hinges Grade SS 304 – Finish SS g. Door Closer with Standard Arm Finish: Silver h. Lock Set: Dead Lock with both side key i. Door Orientation: To be confirmed by client j. Mounting of door: Brick wall mounted k. Powder Coating: Powder coated in standard RAL paint colour of PO Red (60 to 90) Microns l. Single Point Panic Bar (2 Horizontal): Make Assa Abloy Yale or Equivalent m. Dead Lock with both side key: Make Assa Abloy yale or Equivalent n. Vision Panel 200 x 300mm 2 Hrs. Fire Glass Schott Pyran with Frame o. Rated Glass Schott Pyran with Frame p. Anchor Bolt with Endcaps The above assembly	Each	73700.00	73700.00	73700.00

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BD-952	Supply, erection, testing and commissioning of fire fighting application Monoblock Motor Pump set of 1100 LPM at 45 metres head to develop 3.5 Kg / sq.cm at the highest and farthest hydrant point to make 30m water jet at the time of fire fighting emergency circumstances, coupled with 15 KW / 20 HP rated three phase 414 volts, 50 Hz, 2880 rpm electrical motor the pump with cast iron body, bronze impeller, rope gland packaging, suction size of 100 mm dia, delivery size of 80 mm dia, including the cost of foundation concrete, anti-vibration mounting, rain safety hood and etc., complete as directed by the Departmental Officers (Make: Kirloskar KDS 2050 + or Equivalent)	Each	221000.00	221000.00	221000.00
BD-953	Supply, erection, testing and commissioning of fire fighting application Monoblock Motor Pump set of 900 LPM at 40 meters head to develop 3.5 Kg / sq.cm at the highest and farthest hydrant point to make 30m water jet at the time of fire fighting emergency circumstances, coupled with 11 KW / 15 HP rated three phase 414 volts, 50 Hz, 2880 rpm electrical motor the pump with cast iron body, bronze impeller, rope gland packaging, suction size of 80 mm dia, delivery size of 65 mm dia, including the cost of foundation concrete, anti-vibration mounting, rain safety hood and etc., complete as directed by the Departmental Officers (Make: Kirloskar KDS 1555 + or Equivalent)	Each	134000.00	134000.00	134000.00
BD-954	Supply, erection, testing and commissioning of Fire Fighting Electrical Control Panel of 15 HP, 415V, 50 HZ Rating Wall Mounted Type fabricated using CRCA sheet, hinged lockable door, dust and vermin proof with following provisions: a. 63 Amps, 4 pole MCB – Incomer, 6 Amps, 2 Pole MCB for Control Circuit – 1 set b. R, Y, B Phase Indication Lamp, Volt Meter (0-500 V) Ammeter (0-50 A), Volt Meter Selector Switch-1 set c. 32 Amps Power Contactor with 230 V Coil, 14 – 23 Amps Over Load Relay – 1 set d. Single Phase Preventer – 1 No. e. Indication Lamp for Motor ON / OFF / TRIP – 1 set f. AUTO / MANUAL Selector Switch, ON / OFF Push Button – 1 set g. Add On Block, Terminal Block, Power Wiring, Control Wiring, Connectors, Cable Lugs, Slotted Cable Cover. The above panel mounted on wall using anchor fasteners bolts, plugs, incoming and outgoing cable connection and all works carried out as per standard methods and as directed by the Departmental Officers.	Each	79280.00	79280.00	79280.00

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BD-955	Supply, erection, testing and commissioning of Fire Fighting Application Horizontal Centrifugal Type Pump Rated for 2280 LPM at 70 metres head with Electrical Motor of 60 HP of 415 volt 3 phase connection complete with base plate and accessories. (Make: Kirloskar or Equivalent). The rate inclusive of necessary vibration, bad mounting etc., as per standard method as directed by the Departmental Officers.	Each	409000.00	409000.00	409000.00
BD-956	Supply, Installation, testing and commissioning of Diesel Engine Driven Main Fire Pump suitable for automatic operation and consisting of following and complete in all respects as required. a. End suction, top discharge centrifugal pump of cast iron body & bronze impeller with stainless steel shaft, mechanical seal to ensure a minimum pressure of 3.5 Kg. / sq. cm at highest and farthest outlet at specified flow of 2280 LPM at 70m head conforming to IS 1520 b. 68 BHP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete. Auto starting mechanism, 12 volts / 24 volts electric starting equipment like self motor, dynamo, solenoid switches etc. c. 110 litres capacity diesel tank mounted over stand fabricated using 25mm x 25mm x 6mm size MS angle, providing with level indicator, inlet port, outlet port, drain port and diesel return line port and fuel pre-filter, after filter etc (Make:Kirloskar / Equivalent). d. Exhaust systemhaving flexible metallic muffler, 100mm dia MS heavy pipe extended upto	Each	1095000.00	1095000.00	1095000.00
BD-957	Supply, erection, testing and commissioning Mono Block type Fire Fighting Pressurisation Pump of 180 LPM 110 metres head at 10 HP with suitable base frame including necessary vibration bad mounting etc., including conveying, fizing and incidental charges etc., complete as per standard specification and as directed by the Departmental Officers. (Make:Kirloskar / Equivalent)	Each	199900.00	199900.00	199900.00
BD-958	Supply, erection, testing and commissioning of Fire Fighting 2 way Fire Brigade Inlet with necessary gun metal 63mm dia non-return spring shutter arrangements so that to control one wayflow at the time of emergency water supply by fire and rescue service fire engine entry including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary., etc., complete as per standary specification and as directed by the Departmentsl Officers (Make:Kirloskar / OMEX / Equivalent)	Each	12100.00	12100.00	12100.00

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BD-959	Supplying, erection, testing and commissioning of Diesel Engine Pump Main Control Panel & Jockey Pump including necessary auto cut-in, cut-off and manual operations, battery charger switch arrangements, voltmeter, ammeter and running indication siren provision, wall mounting type, etc., as per the standard method and as directed by the Departmental officers.	Each	116000.00	116000.00	116000.00
BD-960	Supply and laying of 4 core 10 sq.mm. armoured copper cable for powder wiring to the Terrace pump motor with runs of 14 SWG TC wire for earthing, providing in wall with suitable size GI clamps, screws, wooden plug, end termination by using suitable size cable glands, copper sockets and etc., as directed by the Departmental Officers.	RM	560.00	560.00	560.00
BD-961	Supply and laying of 2 core 1.5 sq.mm. armoured copper cable for control wiring to the Terrace Pump Motor with runs of 14 SWG TC wire for earthing providing in wall with suitable size GI clamps, screws, wooden plug, end termination by using suitable size cable glands, copper sockets and etc., as directed by the Departmental Officers.	RM	136.00	136.00	136.00
BD-962	Supply, erection, testing and commissioning of Fire Fighting Application direct on line main control panel to control electrical Terrace Pump Motor of 3.75 KW / 5 HP rated 415 volts / 50 Hz 3 phase, 2880 RPM including necessary auto / manual operations, over load relay, selector switches arrangements, voltmeter and ammeter provision etc., as directed by the Departmental Officers.	Each	52000.00	52000.00	52000.00
BD-963 A	Servicing the 80 mm dia sized cast iron body Sluice valves by disconnecting from hydrant line, dismantling, inspecting the internal shutter, replacing valve seating, checking operating lever, lubricating for moving parts, reconnecting with hydrant system as per standard methods and as directed by the Departmental Officers.	Each	1414.00	1414.00	1414.00
BD-963 B	Servicing the 65 mm dia sized cast iron body Sluice valves by disconnecting from hydrant line, dismantling, inspecting the internal shutter, replacing valve seating, checking operating lever, lubricating for moving parts, reconnecting with hydrant system as per standard methods and as directed by the Departmental Officers.	Each	1212.00	1212.00	1212.00

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BD-964	Supply and fixing of Fire fighting application oblique type stainless steel Hydrant valve of size 63mm dia with oblique type instantaneous coupling with rotating wheel to open and close the valve including MS flange of table "E", bolts & nuts with washer as per IS 5290 at ring main around the building and wet riser inside the building including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD /	Each	10040.00	10040.00	10040.00
BD-965	Supply, installation of Fire Fighting Application 180 degree swinging type, hose reel drum with 20mm dia braided thermoplastic hose of 30 metres long, so as to extend to necessary distance by self rolling spindle wheel including necessary 20mm dia ball valve and open and close spray nozzle, warm clip, etc., as per the standard pattern of any reputed make at every floor nearer to hydrant valve, including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary., etc., complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	13550.00	13550.00	13550.00
BD-966	Supply and fixing in position of Fire Fighting Application Hose of 63mm dia of 15 metres length binded by copper wire with 63mm dia stainless steel male and female instantaneous fire fighting special coupling as per IS 901 as directed by the Departmental Officers. Near every hydrant points including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	8958.00	8958.00	8958.00

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BD-967	Supply, and fixing in position of Fire Fighting Application 63mm dia stainless steel short length Branch Pipe with hexagonal type spray nozzle of 15mm (or) 20mm jet bore. Near every hydrant points including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	3312.00	3312.00	3312.00
BD-968	Supply of Fire Fighting Application MS Hose Box to keep two number of hoses and 1 No. of branch pipe with nozzle having proper glass window type double door with universe open key, painted inside white and outside Post Office Red. Near every hydrant point including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	7726.00	7726.00	7726.00
BD-969	Supply and fixing nominal bore quartzized bulb type sprinkler bulb 68 Deg C fast response pendent type including GI collar for each sprinkler bulb, mounted in MS pipe line using suitable size MS threaded coupling, thread, shellac etc., as per standard methods and including conveyance all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	Each	454.00	454.00	454.00
BD-970 A	Supply, erection, testing and commissioning of 250 mm dia MS 'C' Class Heavy Duty Pipe as per IS 1239 to withstand a developing pressure of 10 kg. / sq.cm including necessary fittings like MS flange of table 'E', elbows, reducers, gaskets, bolt, nuts with washers & joints as per standard method of arc welding, including one coat metal primer and two coat Post Officer Red painting including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard by the Departmental Officers. Make: JINDAL / EQUIVALENT	RM	5555.00	5555.00	5555.00

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BD-970 B	Supply, erection, testing and commissioning of 200 mm dia MS 'C' Class Heavy Duty Pipe as per IS 1239 to withstand a developing pressure of 10 kg. / sq.cm including necessary fittings like MS flange of table 'E', elbows, reducers, gaskets, bolt, nuts with washers & joints as per standard method of arc welding, including one coat metal primer and two coat Post Officer Red painting including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard by the Departmental Officers. Make: JINDAL / EQUIVALENT	RM	4141.00	4141.00	4141.00
BD-970 C	Supply, erection, testing and commissioning of 150 mm dia MS 'C' Class Heavy Duty Pipe as per IS 1239 to withstand a developing pressure of 10 kg. / sq.cm including necessary fittings like MS flange of table 'E', elbows, reducers, gaskets, bolt, nuts with washers & joints as per standard method of arc welding, including one coat metal primer and two coat Post Officer Red painting including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard by the Departmental Officers. Make: JINDAL / EQUIVALENT	RM	29792.00	29792.00	29792.00
BD-970 D	Supply, erection, testing and commissioning of 100 mm dia MS 'C' Class Heavy Duty Pipe as per IS 1239 to withstand a developing pressure of 10 kg. / sq.cm including necessary fittings like MS flange of table 'E', elbows, reducers, gaskets, bolt, nuts with washers & joints as per standard method of arc welding, including one coat metal primer and two coat Post Officer Red painting including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard by the Departmental Officers. Make: JINDAL / EQUIVALENT	RM	2070.00	2070.00	2070.00

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BD-970 E	Supply, erection, testing and commissioning of 80 mm dia MS 'C' Class Heavy Duty Pipe as per IS 1239 to withstand a developing pressure of 10 kg. / sq.cm including necessary fittings like MS flange of table 'E', elbows, reducers, gaskets, bolt, nuts with washers & joints as per standard method of arc welding, including one coat metal primer and two coat Post Officer Red painting including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard by the Departmental Officers. Make: JINDAL / EQUIVALENT	RM	1616.00	1616.00	1616.00
BD-970 F	Supply, erection, testing and commissioning of 65 mm dia MS 'C' Class Heavy Duty Pipe as per IS 1239 to withstand a developing pressure of 10 kg. / sq.cm including necessary fittings like MS flange of table 'E', elbows, reducers, gaskets, bolt, nuts with washers & joints as per standard method of arc welding, including one coat metal primer and two coat Post Officer Red painting including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard by the Departmental Officers. Make: JINDAL / EQUIVALENT	RM	1363.00	1363.00	1363.00
BD-970 G	Supply, erection, testing and commissioning of 50 mm dia MS 'C' Class Heavy Duty Pipe as per IS 1239 to withstand a developing pressure of 10 kg. / sq.cm including necessary fittings like MS flange of table 'E', elbows, reducers, gaskets, bolt, nuts with washers & joints as per standard method of arc welding, including one coat metal primer and two coat Post Officer Red painting including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard by the Departmental Officers. Make: JINDAL / EQUIVALENT	RM	808.00	808.00	808.00

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BD-970 H	Supply, erection, testing and commissioning of 40 mm dia MS 'C' Class Heavy Duty Pipe as per IS 1239 to withstand a developing pressure of 10 kg. / sq.cm including necessary fittings like MS flange of table 'E', elbows, reducers, gaskets, bolt, nuts with washers & joints as per standard method of arc welding, including one coat metal primer and two coat Post Officer Red painting including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard by the Departmental Officers. Make: JINDAL / EQUIVALENT	RM	606.00	606.00	606.00
BD-970 I	Supply, erection, testing and commissioning of 25 mm dia MS 'C' Class Heavy Duty Pipe as per IS 1239 to withstand a developing pressure of 10 kg. / sq.cm including necessary fittings like MS flange of table 'E', elbows, reducers, gaskets, bolt, nuts with washers & joints as per standard method of arc welding, including one coat metal primer and two coat Post Officer Red painting including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard by the Departmental Officers. Make: JINDAL / EQUIVALENT	RM	505.00	505.00	505.00
BD-971 A	Wrapping and coating anti-corrosive treatment for the 200 mm dia under ground MS pipe having one coat of anti corrosive metal primer, one layer of asphalt tar tape wound over the MS pipe as per standard methods as per standard specifications and as directed by the Departmental Officers.	RM	454.00	454.00	454.00
BD-971 B	Wrapping and coating anti-corrosive treatment for the 150 mm dia under ground MS pipe having one coat of anti corrosive metal primer, one layer of asphalt tar tape wound over the MS pipe as per standard methods as per standard specifications and as directed by the Departmental Officers.	RM	404.00	404.00	404.00

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BD-972 A	Supply, erection, testing and commissioning of 200mm sizes of Heavy Duty Foot Valve including all accessories, such as, MS flange of table 'E', Gaskets, bolts & nuts, etc., installed at end of 150 / 200mm dia suction pipe line at sump including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete and as per standard specification and as directed by the Departmental Officers. Make: NORMES / KARTAR / EQUIVALENT	Each	31300.00	31300.00	31300.00
BD-972 B	Supply, erection, testing and commissioning of 150mm sizes of Heavy Duty Foot Valve including all accessories, such as, MS flange of table 'E', Gaskets, bolts & nuts, etc., installed at end of 150 / 200mm dia suction pipe line at sump including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete and as per standard specification and as directed by the Departmental Officers. Make: NORMES / KARTAR / EQUIVALENT	Each	24240.00	24240.00	24240.00
BD-972 C	Supply, erection, testing and commissioning of 100mm sizes of Heavy Duty Foot Valve including all accessories, such as, MS flange of table 'E', Gaskets, bolts & nuts, etc., installed at end of 150 / 200mm dia suction pipe line at sump including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete and as per standard specification and as directed by the Departmental Officers. Make: NORMES / KARTAR / EQUIVALENT	Each	15150.00	15150.00	15150.00
BD-973 A	Supply, erection, testing and commissioning 250mm dia of cast iron body and bronze internal non-rising spindly sluice valve of sizes at required places to control the flow of water including necessary MS flange of table 'E', gaskets, bolts & nuts including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: NORMES / KARTAR / EQUIVALENT	Each	58580.00	58580.00	58580.00

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BD-973 B	Supply, erection, testing and commissioning 200mm dia of cast iron body and bronze internal non-rising spindly sluice valve of sizes at required places to control the flow of water including necessary MS flange of table 'E', gaskets, bolts & nuts including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: NORMES / KARTAR / EQUIVALENT	Each	37870.00	37870.00	37870.00
BD-973 C	Supply, erection, testing and commissioning 150mm dia of cast iron body and bronze internal non-rising spindly sluice valve of sizes at required places to control the flow of water including necessary MS flange of table 'E', gaskets, bolts & nuts including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: NORMES / KARTAR / EQUIVALENT	Each	22320.00	22320.00	22320.00
BD-973 D	Supply, erection, testing and commissioning 100mm dia of cast iron body and bronze internal non-rising spindly sluice valve of sizes at required places to control the flow of water including necessary MS flange of table 'E', gaskets, bolts & nuts including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: NORMES / KARTAR / EQUIVALENT	Each	15040.00	15040.00	15040.00
BD-973 E	Supply, erection, testing and commissioning 80mm dia of cast iron body and bronze internal non-rising spindly sluice valve of sizes at required places to control the flow of water including necessary MS flange of table 'E', gaskets, bolts & nuts including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: NORMES / KARTAR / EQUIVALENT	Each	11100.00	11100.00	11100.00

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BD-973 F	Supply, erection, testing and commissioning of 65mm dia of cast iron body and bronze internal non-rising spindly sluice valve of following sizes at required places to control the flow of water including necessary MS flange of table 'E', gaskets, bolts & nuts including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: NORMES / KARTAR / EQUIVALENT	Each	8383.00	8383.00	8383.00
BD-974 A	Supply, erection, testing and commissioning of 250mm dia Cast iron body and Gun metal or stainless steel internal Non return valve of following sizes to control one way flow of water to be installed pump room at delivery line and near overhead tank at terrace level near to jockey pump and motor including necessary Ms flange of table 'E', gaskets, bolts & nuts, etc., as per IS 5312 including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers.	Each	46560.00	46560.00	46560.00
BD-974 B	Supply, erection, testing and commissioning of 200mm dia Cast iron body and Gun metal or stainless steel internal Non return valve of following sizes to control one way flow of water to be installed pump room at delivery line and near overhead tank at terrace level near to jockey pump and motor including necessary Ms flange of table 'E', gaskets, bolts & nuts, etc., as per IS 5312 including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers.	Each	27270.00	27270.00	27270.00
BD-974 C	Supply, erection, testing and commissioning of 150mm dia Cast iron body and Gun metal or stainless steel internal Non return valve of following sizes to control one way flow of water to be installed pump room at delivery line and near overhead tank at terrace level near to jockey pump and motor including necessary Ms flange of table 'E', gaskets, bolts & nuts, etc., as per IS 5312 including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers.	Each	11310.00	11310.00	11310.00

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BD-975	Supply, erection, testing and commissioning of Gun metal Gate Valve of size 50mm dia size including necessary MS flange of table 'E', gaskets, bolts & nuts etc., installed at pump house delivery line for the purpose of priming water to suction line including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: LEADER / EQUIVALENT.	Each	5100.00	5100.00	5100.00
BD-976	Supply, erection, testing and commissioning of Gun Metal Non-Return Valve of size 50mm dia including necessary MS flange of table 'E', gaskets, bolts & nuts, etc., installed at pump house delivery line for the purpose of priming to suction line so that to control one way including conveying, fixing and incidental charges etc., complete as per standard specification and as directed by the Departmental Officers. Make: LEADER / EQUIVALENT.	Each	4949.00	4949.00	4949.00
BD-977	Supply and providing 1000 litres capacity Priming Tank made up of PVC. Make: SINTEX EQUIVALENT	Each	9090.00	9090.00	9090.00
BD-978	Priming Tank mounted with supporting arrangement fabricated using MS angle for the height of 3 metres from the floor level, inlet, outlet, and drain arrangements Inside the fire fighting pump room, as directed by the Departmental Officers.	Each	13635.00	13635.00	13635.00
BD-979 A	Supply and laying of 3 core 185 sq.mm. armoured aluminium cable sizes of Armoured Aluminium / Copper Cables for electrical motor, control panel, pressure switch, jockey motor etc., all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: POLYCAB / PARACON FINOLEX / EQUIVALENT	RM	1515.00	1515.00	1515.00
BD-979 B	Supply and laying of 3 core 10 sq.mm. armoured copper cable /aluminium cable sizes of Armoured Aluminium / Copper Cables for electrical motor, control panel, pressure switch, jockey motor etc., all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: POLYCAB / PARACON FINOLEX / EQUIVALENT	RM	676.00	676.00	676.00

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BD-979 C	Supply and laying of 10 core 2.5 sq.mm. armoured copper cable /aluminium cable sizes of Armoured Aluminium / Copper Cables for electrical motor, control panel, pressure switch, jockey motor etc., all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: POLYCAB / PARACON FINOLEX / EQUIVALENT	RM	606.00	606.00	606.00
BD-979 D	Supply and laying of 2 core 2.5 sq.mm. armoured copper cable/aluminium cable sizes of Armoured Aluminium / Copper Cables for electrical motor, control panel, pressure switch, jockey motor etc., all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: POLYCAB / PARACON FINOLEX / EQUIVALENT	RM	202.00	202.00	202.00
BD-980	Earthing arrangements with GI Earth Plate including charcoal and salt with necessary excavation in all solls and to full depth as may be required and masonry work, re-filling the sides of foundation with excavated earth as per the standard specification and as directed by the Departmental Officers.	Each	6060.00	6060.00	6060.00
BD-981	Supply, erection, testing and commissioning of Pressure Gauge with 0 to 14 kg. range of reputed make with necessary valve, milling thread MS coupling fixed at delivery pipe line in pump house to read the developing pressure including conveyance all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: H-GURU/ISI MAKE/EQUIVALENT	Each	3131.00	3131.00	3131.00

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BD-982	<p>Supply, erection, testing and commissioning of suitable Pressure Switch of reputed make line Indfoss or Danfoss Including necessary valves, couplings, etc. connected with electrical main control panel and setup at proper differential so as to auto start and auto stop the electrical motor, jockey motor including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., completed as per standard specification and as directed by the Departmental Officers. Make: DANFOSS / INDFOS / ISI MAKE EQUIVALENT.</p>	Each	5252.00	5252.00	5252.00
BD-983	<p>Supplying, installation, testing and commissioning of Fire mounted type fabricated using Floating Electrical Control Panel of cubical construction, floor CRCA sheet compartmentalised with hinged lockable door dust and vermin proof, cable alley, Interconnection having switch gears and accessories mounting and internal wiring, earth terminals, numberings, necessary metering protections and Indications complete in all respect suitable for operation on 415 volt, 3 phase, 50 Hz AC supply with enclosure protection class IP 54 and mounted with the followings. A. Common Panel in Fire Pump House (i). Incomer a. 1 No. 600A TP & N SDFU with HRC fuses b. 1 set of 600A, 4 bar aluminium bus bar, 415 V, 50 HZ AC supply c. 1 No. (0-500A) digital ammeter with selector switch & CTS d. 1 No. (0-500V) digital voltmeter with</p>	Each	530000.00	530000.00	530000.00

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BD-984	<p>Supply erection testing and commissioning of Electric Motor Driven Fire Pumps suitable for automatic operation and consisting of following:</p> <p>a. 1 No. horizontal split casing centrifugal type fire pump capable of delivering 4550 LPM against a total head of 110 metres, so as to ensure a minimum pressure of 3.5 kg, per sq.cm at the farthest top mast hydrant/outlet with pump casing of cast iron to grade FG 200, IS 2101978 and parts like Impeller, shaft sleeve, bearing ring etc., of non-corrosive metal either like bronze, brass or gun metal and shaft of stainless steel.</p> <p>b. 1 No. squirrel cage Induction motor of 175 HP, 415 Volt, 3 phase 50Hz rating, conforming to IS: 3251978 with class "F" Insulation, totally enclosed, IP 55 for enclosure fan cooled type conforming to relevant protection clause of IS 4691, synchronous speed of 2900 RPM</p> <p>c. Common bed plate fabricated with MS channel /cast iron type for assembling the pump and motor flexible coupling between the pump and the motor with coupling</p>	Each	833000.00	833000.00	833000.00
BD-985	<p>Supply, Installation, testing and commissioning of Diesel Engine Driven Main Fire Pump Suitable for automatic operation and consisting of followings and complete in all respects as required.</p> <p>a. 1 No. horizontal split casing centrifugal type fire pump capable of delivering 4550 LPM against a total head of 110 metres, so as to ensure a minimum pressure of 3.5 kg, per sq.cm at the farthest top most hydrant / outlet with pump casing of cast iron to grade FG 200, IS 2101978 and parts like Impeller, shaft sleeve, bearing ring etc., of non-corrosive metal leather like bronze, brass or gun metal and shaft of stainless steel.</p> <p>b. 190 BHP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete.</p> <p>C Auto starting mechanism, 12 volts / 24 volts electric starting equipment ike self motor, dynamo, solenoid switches, etc.</p> <p>d. 110 litres capacity diesel tank mounted over stand</p>	Each	1252000.00	1252000.00	1252000.00

BD-986	Supply, Installation, testing and commissioning of Diesel Engine Driven Main Fire Pump Suitable for automatic operation and consisting of followings complete in all respects as required. a. 1 No. horizontal split casing centrifugal type fire pump capable of delivering 2850 LPM against a total head of 110 metres, so as to ensure a minimum pressure of 3.5 kg. per sq.cm at the farthest top most hydrant / outlet with pump casing of cast iron to grade FG 200, IS 2101978 and parts like impeller, shaft sleeve, bearing ring, etc., of non-corrosive metal either like bronze, brass or gun metal and shaft of stainless steel. b. 100 BHP, 1500 RPM water cooled with radiator, diesel engine conforming to relevant BS & IS standard complete. c. Auto starting mechanism, 12 volts / 24 volts electric starting equipment like self motor, dynamo, solenoid switches etc. d. 110 litres capacity diesel tank mounted over stand fabricated using 25mm x 25mm x 6mm size	Each	1156000.00	1156000.00	1156000.00
BD-987	Supply, erection, testing and commissioning of 180 LPM, 70 metres Head Pressurization Pump with 10HP electrical motor of Kirloskar make with suitable base frame Including necessary vibration bad mounting etc., including conveying, fixing and Incidental charges etc., complete as per standard specification and as directed by the Departmental Officers. Make: KIRLOSKAR / EQUIVALENT.	Each	103000.00	103000.00	103000.00
BD-988	Supply, erection, testing and commissioning of Fire Fighting 4 Way Fire Brigade Inlet with necessary quality metal 63mm dia non return spring shutter arrangements, so that to control one way flow at the time of emergency water supply by fire and rescue service fire engine entry including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: KARTAR / OMEX / EQUIVALENT.	Each	14645.00	14645.00	14645.00

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BD-989	Supply, erection, testing and commissioning of Air Release Valve of 20mm dia, so as to release airlock in 100mm dia MS pipe at top most wet riser, including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc. complete as per standard specification and as directed by the Departmental Officers. Make: KARTAR / EQUIVALENT.	Each	1464.00	1464.00	1464.00
BD-990 A	Providing, fixing pipe supports 100mm dia from columns / wall or suspenders from roof slab to suit various dia of pipes made out of GI / MS adjustable rods threaded for a sufficient length to adjust the height of support along with clamping arrangement for holding pipes of anchor fastening, arrangement design of hanger and should confirm with specification.	Each	282.00	282.00	282.00
BD-990 B	Providing, fixing pipe supports 80mm dia from columns / wall or suspenders from roof slab to suit various dia of pipes made out of GI / MS adjustable rods threaded for a sufficient length to adjust the height of support along with clamping arrangement for holding pipes of anchor fastening, arrangement design of hanger and should confirm with specification.	Each	272.00	272.00	272.00
BD-990 C	50mm dia Providing, fixing pipe supports 50mm dia from columns / wall or suspenders from roof slab to suit various dia of pipes made out of GI / MS adjustable rods threaded for a sufficient length to adjust the height of support along with clamping arrangement for holding pipes of anchor fastening, arrangement design of hanger and should confirm with specification.	Each	252.00	252.00	252.00
BD-990 D	Providing, fixing pipe supports 40mm dia from columns / wall or suspenders from roof slab to suit various dia of pipes made out of GI / MS adjustable rods threaded for a sufficient length to adjust the height of support along with clamping arrangement for holding pipes of anchor fastening, arrangement design of hanger and should confirm with specification.	Each	141.00	141.00	141.00

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BD-991	Supply and fixing of stored pressure ABC (Mono Ammonium Phosphate) Powder Type Fire Extinguisher of 6 kg. capacity as per IS:15683 with pressure gauge, discharge hose & control nozzle, wall mounting bracket, safety clip etc., Including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc, complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY / FIRST / EQUIVALENT	Each	4545.00	4545.00	4545.00
BD-992	Supply and fixing of Carbon-di-Oxide Gas Type 2 kg capacity Fire Extinguisher as per New IS15683, complete with control valve, discharge hose with horn, wall mounting bracket, safety clip etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc. complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT	Each	7575.00	7575.00	7575.00
BD-993	Supply and kept in position of Trolley Mounted Water CO2 Stored Pressure Type 50 litres capacity Fire Extinguisher as per IS13385, complete with control valve, gun metal cap, pressure gauge, operation sticker, discharge hose, mounting trolley with moving wheel, safety clip, etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT	Each	21200.00	21200.00	21200.00

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BD-994	Supply and kept in position of Trolley Mounted Type 22.5 kg. Carbon-di-Oxide Fire Extinguisher as per IS 15683, complete with control valve, gun metal cap, pressure gauge, operation sticker, discharge hose, mounting trolley with moving wheel, safety clip, etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY / FIRST / EQUIVALENT	Each	29290.00	29290.00	29290.00
BD-995	Servicing the SS Hydrant Valves by disconnecting from pipe line, dismantling, checking the operation of rotating spindle, replacing rubber O ring of valve seating, repalcing rubber gasket of 80mm dia OD X 65mm dia IS, repalcing the 5/8" X 2 1/2 bolt nut, washers, re-connecting with hydrant system as per standard methods and as directed by the Departmental Officers.	Each	1464.00	1464.00	1464.00
BD-996	Servicing the First Aid Hose Reel Drum assembly by disconnecting from hydrant line, replacing shut off nozzle, warm clip, lubricating the rotating assembly replacing 20mm dia, 30 metres long rubber hose, re connecting with hydrant system as per standard methods and as directed by the Departmental Officers	Each	3535.00	3535.00	3535.00
BD-997 A	Servicing the 150 mm sizes of cast iron body Sluice Valves by disconnecting from hydrant line, dismantling, Inspecting the Internal shutter, replacing Valve seating, checking operating lever, lubricating for moving parts re- connecting with hydrant system, as per standard methods and as directed by the Departmental Officers.	Each	2727.00	2727.00	2727.00
BD-997 B	Servicing the 100 mm sizes of cast iron body Sluice Valves by disconnecting from hydrant line, dismantling, Inspecting the Internal shutter, replacing Valve seating, checking operating lever, lubricating for moving parts re- connecting with hydrant system, as per standard methods and as directed by the Departmental Officers.	Each	1818.00	1818.00	1818.00

**These rates are not final. As per order of the Commissioner, after approval of Technical item
424,425,427,427a,429,435,436,437,878-DELETED**

BD-998	Supply and fixing in position of 12 Volt 180 AH Lead Acid, Sealed Maintenance Free (SMF) batteries with connecting leads, lugs terminal post, etc., as per standard methods and including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to Its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST/EQUIVALENT	Each	25250.00	25250.00	25250.00
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