

BHARAT HEAVY ELECTRICALS LIMITED					
RAMACHNADRAPURAM UNIT, HYDERABAD					
(Township Administration)					
Schedule-A Price Bid			Tender Notice No.		
HY/TA/OT-09/2021-22, Dated: 26.08.2021					
Name of the work:Rate contract for carrying out Routine Annual Civil Maintenance works like Masonry, Flooring, Plumbing, Fabrication, Carpentry, Painting, and Horticulture works.etc. in Township.					
Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
1	3	4	5	6	7
<b>EARTH WORK</b>					
1	Earth work in excavation by mechanical means (hydraulic excavator) manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth lead upto 50m and lift upto 1.5m, disposal earth to be levelled and neatly dressed.				
1.1	All kinds of soil	1	cum	129.35	129.35
2	Earth work in excavation by mechanical means (hydraulic excavator) manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth lead upto 50m and lift upto 1.5m, disposal earth to be levelled and neatly dressed.				
2.1	Ordinary rock	1	cum	197.75	197.75
2.2	Hard rock ( blasting prohibited)	1	cum	490.10	490.10
3	Filling available excavated earth (excluding rock) in trenches, plinth sides of founding each deposited layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, lead upto 50m and lift upto 1.5	1	cum	83.80	83.80
4	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15cm deep and disposal of rubbish lead upto 50m and lift upto 1.5m	1			
4.1	All kinds of soil	1	One Sqm	9.35	9.35
5	Clearing jungle including uprooting of rank vegetation, brush wood trees and sapling of girth upto 30 cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50m outside the periphery of these area cleared.	1	One Sqm	4.82	4.82
6	Clearing grass and removal of the rubbish up to a distance of 50m outside the periphery of the area cleared.	1	One Sqm	2.47	2.47
7	Felling trees of the girth ( measured at a height of 1m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable material and disposal of unserviceable material.				
7.1	Beyond 30cm girth upto and including 60cm girth	1	each	148.20	148.20
7.2	Beyond 60cm girth upto and including 120cm girth	1	each	654.95	654.95
7.3	Beyond 120cm girth upto and including 240cm girth	1	each	3026.30	3026.30
7.4	Above 240cm girth	1	each	6071.30	6071.30
8	Earth work excavation in slushy soils including removing the sewage water and scum from the pit of broken sewer lines, man holes, chambers etc., to enable building new ones (sewage gangman are to be engaged if necessary) etc., complete all as directed by Engineer-in-charge.(while excavating care should be taken about cables and shall intimate to Electrical Department/ Telephones Department to take care of the cables)	1	One Cum	183.32	183.32
9	Providing lawn turfing with carpet grass of approved variety and levelling the surfaces after turfing including watering the area for 30 days etc complete as directed by Engg In charge.	1	Sqm	190.08	190.08
10	Supply of Cattle manure of good quality as directed by Engineer in charge etc.	1	Cum	384.00	384.00
<b>CEMENT CONCRETE WORKS</b>					
11	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering- All work upto plinth level				
11.1	1:1 1/2:3( 1 cement 1 1/2 coarse sand :3 graded stone aggregate 20mm nominal size)	0.5	cum	4904.95	2452.48
11.2	1:2:4 (1cement 2:coares sand 4 grade stone aggregate 20mm nominal size)	1	cum	4514.05	4514.05
11.3	1:2:4 (1cement 2:coares sand 4 grade stone aggregate 40mm nominal size)	1	cum	4404.05	4404.05
11.4	1:3:6 (1cement 3:coares sand 6 grade stone aggregate 20mm nominal size)	1	cum	4024.00	4024.00
11.5	1:4:8 (1cement 4:coares sand 8 grade stone aggregate 40mm nominal size)	1	cum	3593.30	3593.30
11.6	1:4:8 (1 cement : 4 fine sand : 8 graded stone aggregate 40 mm nominal size)	0.7	cum	3331.25	2331.88
12	Providing and laying cement concrete in retaining walls return walls ( any thickness) including attached pilasters, columns piers abutments pillars posts struts buttresses string or lacing courses parapets coping bed blocks anchor blocks plain window sillis fillets etc. upto floor five level excluding the cost of centering shuttering and finishing :				
12.1	1:1½:3 (1 cement:1½ coarse sand:3 graded stone aggregate 20 mm nominal size)	0	cum	5663.30	0.00

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
13	Centering and shuttering including strutting, propping etc. and removal of form work for :	1			0.00
13.1	Foundations, footings, bases for columns	1	sqm	166.90	166.90
14	Providing and fixing at or near ground level precast cement concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1:3 (1cement 3 coarse sand ) including the cost of required centering shuttering and finishing smoth with 6 mm thick cement plaster 1:3 (1 cement :3 fine sand ) on exposed surfaces complete	1			0.00
14.1	1:2:4(1cement :2 coarse sand :4 graded stone aggrigate 20mm nominal size)	1	cum	4712.80	4712.80
<b>REINFORCED CEMENT CONCRETE WORKS</b>					
15	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering shuttering finishing and reinforcement All work up to plinth level				
15.1	1:1.5:3(1cement 1.5 coarse sand 3 grade stone aggrigate 20mm nominal size)	1	cum	5094.85	5094.85
15.2	1:2:4( 1cement 2 coarse sand 4 grade stone aggrigate 20mm nominal size)	1	cum	4703.90	4703.90
16	Reinforced cement concrete work in walls (any thickness) including attached pilasters buttresses plinth and string course fillets columns pillars piers abutments posts and struts etc. up to floor five level excluding cost of centering shuttering finishing and reinforcement				
16.1	1:1.5:3(1cement 1.5 coarse sand 3 grade stone aggrigate 20mm nominal size)	1	cum	5735.75	5735.75
16.2	1:2:4( 1cement 2 coarse sand 4 grade stone aggrigate 20mm nominal size)	1	cum	5344.80	5344.80
17	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15° landings, balconies, shelves, chajjas, intels, bands, plain window sills, staircases and spiral strair cases upto floor five level excluding the cost of centering shuttering finishing and reinforcement with 1:2:4( 1cement 2 coarse sand 4 grade stone aggrigate 20mm nominal size)				
18	Centering and shuttering including strutting propping etc. and removal of form work for :	1			0.00
18.1	Foundations , Footings, bases for columns	1	sqm	166.90	166.90
18.2	walls (any thickness) including attached pilasters, butteresses plinth and string courses etc.	1	sqm	285.15	285.15
18.3	Suspended floors roofs, landing balconies and access platform	1	sqm	311.20	311.20
18.4	Shelves ( cast in situ)	1	sqm	311.20	311.20
18.5	Lintels, beams, plinth beams, girderss, bressumenrs and cantilevers.	1	sqm	262.25	262.25
18.6	Columns piers, abutments, pillars, posts and struts.	1	sqm	365.60	365.60
18.7	Stairs, (excluding landing ) except spiral staircases	1	sqm	326.30	326.30
18.8	Small lintels not exceeding 1.5m clear span, moulding as in cornices, window sills, string courses, bands, coping bed plates, anchor blocks and the like	1	sqm	166.90	166.90
<b>ENCASING ROLLED STEEL SECTION</b>					
19	Reinforcement for RCC work including straightening, cutting bending placing in position and binding all complete.				
19.1.	Cold twisted bars	1	kg	62.25	62.25
19.2	Hot rolled deformed bars	1	kg	62.25	62.25
20	Providing and filling in position blown bitumen in expansion joints.	1	per cm depth per cm width per 100m	522.65	522.65
21	Providing and laying in position machine batched machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centering shuttering finishing and reinforcement. including admixtures in recommended proportions as per IS 9103 to accealarate retard setting of concrete improve workability with out impairing strength and durability as per direction of Engineer -in Charge. M-25 grade reinforced cement concrete by using 410kg of cement per cum of concrete. all work up to floor V level with readymix	1	cum	5781.50	5781.50
<b>BRICK MASONRY</b>					
22	Brick work with FPS bricks of class designation 75 in foundation and plinth in:	1			
22.1	cement mortar 1:4( 1cement :4 coarse sand)	1	cum	3508.25	3508.25
22.2	cement mortar 1:6( 1cement :6 coarse sand)	1	cum	3316.55	3316.55
23	Brick work FPS brick of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in	1			
23.1	cement mortar 1:4( 1cement :4 coarse sand)	1	cum	4067.85	4067.85
23.2	cement mortar 1:6( 1cement :6 coarse sand)	1	cum	3876.15	3876.15
24	Half brick masonry with FPS brick of class designation 75 in superstructure above plinth level upto floor V level.				
24.1	cement mortar 1:3( 1cement :3 coarse sand)	1	sqm	498.35	498.35
24.2	cement mortar 1:4( 1cement :4 coarse sand)	1	sqm	476.85	476.85

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
<b>STONE MASONRY</b>					
25	Coursed rubble masonry (second sort) with hard stone in foundation and plinth with cement mortar 1:6(1cement 6 coarses sand)	1	cum	3255.25	3255.25
26	Stone work (machine cut edges Veneer work) for wall lining upto 10 m height, backing filled with a grout of 12 mm thick cement mortar 1:3 (1 Cement : 3 coarse sand) and jointed with Cement mortar 1:2 (1 cement : 2 stone dust), including rubbing and polishing complete. (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately)				
26.1	Kota stone slabs exposed face dressed and rubbed.				
26.2	25 mm thick	1	sqm	1177.50	1177.50
27	Stone tile work for wall lining upto 10 m height with special adhesive over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), including pointing in white cement with an admixture of pigment to match				
27.1	8mm thick (mirror polished and machine cut edge)				
27.2	Granite stone of any colour and shade	1	sqm	1466.35	1466.35
<b>WOOD/ PVC WORKS</b>					
28	Providing wood work in frames of doors windows, clerestory windows and other frames, wrought framed and fixed in position				
28.1	Second class teak wood	1	cum	85813.30	85813.30
29	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI maked black enamelled M.S butt hinges with necessary screws excluding panelling which will be paid for separately				
29.1	Second class teak wood				
29.2	35mm thick shutters	1	sqm	2434.05	2434.05
29.3	30mm thick shutters	1	sqm	2162.65	2162.65
30	Providing and fixing 35mm thick factory made laminated veneer lumber door shutter conforming to IS 14616 and TDS 15:2001(part B) including ISI marked black enameled M.S butt hinges with necessary screws as per directions of engineer in charge and panelling with panels of				
30.1	12mm thick plain grade-1, medium density flat pressed three layer particle board FPT-1 or grade wood particle board FPT-1 IS :3087 marked bonded with BWP type synthetic resin adhesive as per IS :848	1	sqm	2300.75	2300.75
30.2	12mm thick pre laminated particle board ( decorative lamination on both sides) grade- 1, medium density flat pressed three layer particle board FPT-1 or graded wood particle board FPT-1, conforming to IS 3087 bonded with BWP type synthetic resin adhesive as per IS 848 and prelaminated conforming to IS 12823 grade 1, type -II marked	1	sqm	2475.00	2475.00
31	Providing and fixing panelling or panelling and glezing in panelled or panelled and glazed shutters for doors windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured) panelling for panelled or panelled and glazed shutters 25mm to 40mm thick				
31.1	Second class teak wood	1	sqm	1950.35	1950.35
32	Providing and fixing glazed shutters for doors windows and clerestory windows using 4mm thick float glass panes including black enamelled ISI marked MS butt hinges with necessary screws				
32.1	Second class teak wood				
32.2	30mm thick	1	sqm	2645.70	2645.70
33	Providing and fixing 25mm thick shutters for cup board etc.				
33.1	Panelled or Panelled and glazed shutters				
33.2	Second class teak wood including ISI marked anodised aluminium butt hings with necessary screws	1	sqm	2440.25	2440.25
34	Glazed shutters				
34.1	Second class teak wood including ISI marked anodised aluminium butt hings with necessary screws	1	sqm	2463.25	2463.25
35	Providing and fixing pre-laminated flat pressed 3 layer (medium density) particle board or grded wood particle board IS 3087 marked with one side decorative and other side balancing lamination grade I, type II exterior grade IS 12823 marked in shelves with screws and fitting wherever required edges to be painted with polyurethane prime fitting to be separately)				
35.1	18mm thick	1	sqm	1099.80	1099.80
35.2	25mm thick	1	sqm	1187.80	1187.80
36	Providing and fixing ISI marked flush door shutters conforming to IS 2202 (part I) decorative type core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross band and face veneers on both faces of shutters				
36.1	30mm thick including ISI marked stainless steel butt hinges with necessary screws	1	sqm	1984.80	1984.80
36.2	25mm thick (for cupboard) including ISI marked nickel plated bright finished MS piano hinges IS 3818 marked with necessary screws	1	sqm	1789.45	1789.45

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
36.3	Providing and fixing 2nd class teak wood plain lining tongued and grooved on and including wooden plugs complete with necessary screws and priming coat on unexposed surface - 12 mm thick	1	sqm	1506.70	1506.70
37	Supply, fabrication and fixing of <b>Ornamental M.S. grills</b> for staircase door frames with shutters of approved quality and design including fixing of MS hold fasts in Cement concrete, cost of all materials etc., complete as directed by the Engineer-in-charge	1	kg	81.60	81.60
38	Providing and fixing MS grills of required pattern in frames of windows etc. with MS flats, square or round bars etc. all complete				
38.1	Fixed to steel windows by welding	1	kg	90.75	90.75
38.2	Fixed to opening / wooden frames with rawl plugs screws etc	1	kg	98.20	98.20
39	Providing and fixing ISI marked MS pressed butt hinges bright finished with necessary screws etc. complete	1			
39.1	125x65x2.12mm	1	each	28.15	28.15
39.2	100x58x1.90mm	1	each	21.45	21.45
39.3	75x47x3.10	1	each	17.10	17.10
39.4	50x37x1.50mm	1	each	9.10	9.10
40	Providing and fixing IS 1341 marked MS heavy weight butt hinges with necessary screws etc. complete				
40.1	125x90x4.00mm	1	each	50.25	50.25
40.2	100x75x3.50mm	1	each	30.70	30.70
40.3	75x60x3.10mm	1	each	19.75	19.75
40.4	50x40x2.50mm	1	each	12.00	12.00
41	Providing and fixing factory made UPVC door frame made of UPVC extruded section having an overall dimensions as below (tolerance +1mm ) with wall thickness 2.0mm + 0.2mm, corners of the door frame to be mitred and welded of pastic, galvanized brackets and stainless steel screws . the hinges side vertical of the frames reinforced by galvanized stainless steel hinges fixed to the frame complete as per manufactures specification and direction of engineer in charge				
41.1	Extruded section profile size 48x40mm	1	mtr	185.15	185.15
41.2	Extruded Section Profile size 42x50mm	1	mtr	177.05	177.05
42	Providing and fixing to existing door frames				
42.1	24mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59x24mm and wall thickness 2mm + 0.2mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of MS galvanised / plastic brackets of size 75x220 mm having wall thicknell 1.0mm and stainless steel screws. the styles of the shutter reinforced by inserting galvanised MS tube of size 20x20mm and 1mm + 0.1mm wall thickness. the lock rail made up of H section a UPVC hollow section of size 100x24 mm and 2 mm + 0.2mm wall thickness fixed to the shutter styles by means of plastic/ galvanised MS.U cleats. the shutter frame filled with a UPVC multi chambered single panel of size not less than 620 mm having over all thickness of 20mm and 1mm + 0.1mm wall thickness. the panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanised MS rod and fastened with nuts and washers, complete as per manufacture's specification and washers complete as per manufacture's specification and direction of engineer in charge. (for W.C and bathroom door shutter)	1	sqm	2471.10	2471.10
43	30mm thick factory made polyvinyl chloride (PVC) door shutter made of styles and rails of a UPVC hollow section of size 60x30mm and wall thickness 2mm + 0.2mm with inbuilt decorative moulding edging on one side. The styles and rails mitred and joined at the corners by means of MS galvanised/ plastic brackets of size 75x220mm having wall thickness 1.0mm and stainless steel screws. the styles of the shutter reinforced by inserting galvanised MS tube of size 25x20mm and 1mm + 0.1mm wall thickness.the lock rail made up of H section a UPVC hollow section of size 100x30mm and 2mm + 0.2mm wall thickness fixed to the shutter styles by means of plastic galvanised MS U cleats. the shutter styles by means of plastic / galvanised MS U cleats. the shutter frame filled with a UPVC multi chambered single panel of size not less than 620mm having over all thickness of 20mm and 1mm + 0.1mm wall thickness. the panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanised MS rod and fastened with nuts and washers, complete as per manufacture's specification and dircetion of engineer in charge	1	sqm	2587.25	2587.25
43.1	25mm thick PVC flush door shutters made out of a one piece multi chamber extruded PVC section of the size of 762 mm x 25mm or less as per requirement with an average wall thickness of 1mm + 0.3mm. PVC foam end cap of size 23x10mm are provided on both vertical edges to ensure the overall thickness of 25mm. an MS tube having dimensions 19mmx19mm is inserted along the hinges side of the door. core of the door shutter shuold be filled with high density polyrenthane foam. the top and bottom edges of the shutter are covered with an end cap of the size 25mm x 11mm. door shutter shall be reinforced with special polymeric reinforcements as per manufacture specification and direction of Engineer in charges to take up necessary hardware and fixtures. stickers indicating the locations of hardware will be pasted at appropriate places	1	sqm	2500.15	2500.15

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
44	Providing and fixing factory made P.V.C. door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foamsheet mitred at corners and joined with 2 Nos. of 150mm long brackets of 15x15mm M.S. square tube, the vertical door profiles to be reinforced with 19x19mm M.S. square tube of 19 gauge, EPDM rubber gasket weatherseal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100mm size complete as per manufacturers specification and direction of Engineer-in-Charge.	1	mtr	404.60	404.60
44.1	30 mm thick plain PVC door shutters	1	sqm	2499.20	2499.20
44.2	30 mm thick pre laminated PVC door shutters	1	sqm	2958.00	2958.00
45	Supplying and fixing of <b>medium Indian teakwood window shutters 30 mm thick</b> fully glazed with 3 mm thick glass of approved quality including cost and fixing of MS fixtures, fittings and furniture of superior quality etc., complete as directed by the Engineer-in-charge.	1	One Sqm	3104.64	3104.64
46	Supplying and fixing of <b>medium Indian teak wood window shutters 30 mm thick</b> fully panelled including fixing of M.S. fixtures, fittings and furniture of superior quality etc., complete as directed by the Engineer-in-charge.	1	One Sqm	2971.92	2971.92
47	Supplying and fixing of <b>medium Indian teak wood window shutters 30 mm thick</b> partly panelled and partly glazed with 3 mm thick glass of approved quality including cost and fixing of MS fixtures, fittings and furniture of superior quality etc., complete as directed by the Engineer-in-charge.	1	One Sqm	2735.04	2735.04
48	Supply and fixing well seasoned medium Indian teak wood window / ventilator frames made out of scantling of size 75x75 mm including fixing of M.S hold fasts 16 mm dia MS rounds spaced at not more than 10.5cm centre to centre, cost of all materials etc., complete as directed by the Engineer-in-charge. (This includes dismantling the existing frames, brick work, P.C.C etc., and making good to a neat finish etc., complete wherever necessary).	1	One Sqm	2772.00	2772.00
49	Supply and fixing well seasoned medium Indian teak wood ventilator shutter 30 mm thick fully glazed top/side hung type, glazing with 3mm thick glass of approved quality.	1	One Sqm	2772.00	2772.00
50	Supplying and fixing <b>weldmesh door partly panelled and partly weldmesh double leaf shutters 30 mm thick</b> using medium Indian teakwood and weldmesh of size 75x25 mm, 10x8 gauge including supplying and fixing of M.S. fixtures, fittings and furniture of superior quality etc., complete as directed by the Engineer-in-charge.	1	One Sqm	2735.04	2735.04
51	Supply and fixing <b>weldmesh door double leaf shutter 30 mm thick using best Indian teakwood and weldmesh of size 75 x 25mm, 10 x 8 gauge</b> including supplying and fixing of MS fixtures, fittings and furniture of superior quality etc., complete as directed by Engineer-in-charge.	1	One Sqm	2457.84	2457.84
52	Supplying and fixing of <b>weldmesh of size 75x25mm, 10x8 gauge with 75 x 25 mm seasoned medium Indian teakwood reapers</b> to the existing windows including 2 coats of painting with synthetic enamel paint of approved shade and brand over a coat of primer, making holes wherever necessary for operating the fixtures, furniture, cost of all materials etc. complete.	1	One Sqm	1260.00	1260.00
53	Supplying and fixing of M.S flymesh of an approved quality to the existing door and window shutters with necessary wooden beeding wherever necessary, including removing the existing flymesh, cost of all materials etc., complete.	1	One Sqm	621.60	621.60
54	Supplying and fixing of <b>medium Indian teak wood door shutters 30 mm thick</b> partly panelled and partly flymesh of approved quality including cost and fixing of M.S. fixtures, fittings and furniture of superior quality etc., complete.	1	One Sqm	3186.96	3186.96
55	Supplying and fixing of medium <b>Indian teak wood door shutters 30 mm thick</b> with fully flymesh of approved quality including cost and fixing of M.S. fixtures, fittings and furniture of superior quality etc. complete.	1	One Sqm	2751.84	2751.84
56	Supplying and fixing of best approved quality <b>aluminium sheeting 24 gauge</b> to the faces and edge of door shutters including fixing with best quality GI screws and cup washers, cost of all materials etc., complete as directed by the Engineer-in-charge. (The measurement shall be made for both sides of door only).	1	One Sqm	366.24	366.24
57	Supplying of medium <b>Indian teak wood planks</b> of 19 mm thick in various sizes as directed upto a length of 2.40 M.	1	One Sqm	2303.28	2303.28
58	Supplying and fixing of seasoned medium Indian <b>teakwood reapers of size 50 x 25 mm</b> horizontally on the wall surface by providing wooden pegs and fixing with MS screws etc., complete.	1	One Rmt	98.28	98.28
59	Supplying and fixing in position medium Indian teakwood <b>cupboard shutters</b> having frame of size 75 x 25 mm scantling and fixing 3 mm thick plywood sheets on both sides including cost of MS hinges, Nickel coated latches and oxidised aluminium fixtures and furniture of approved quality etc., complete as directed by the Engineer-in-charge.	1	One Sqm	1805.76	1805.76
60	Supply and fixing <b>commercial Plywood sheets 4 mm thick plain</b> lining with necessary screws, priming coat on exposed surface etc complete all as directed by Engineer-in-charge.	1	One Sqm	572.88	572.88

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
61	<b>Repairs to the existing doors, windows,</b> ventilators and cup boards including frame, shutters, fittings, weldmesh, T.W beadings etc., all as directed by the Engineer-in-charge.	1	One Sqm	242.26	242.26
62	Conveying from the stores of wooden / PVC - single / double leaf door shutters and fixing in position at places as directed with all required fittings etc (Door will be free issue from BHEL store)	1	One Sqm	217.73	217.73
63	Supplying and fixing laminated sheet of thickness not less than 1 mm of required design, brand, quality and size all as directed by the Engineer-in-charge.	1	One Sqm	483.84	483.84
64	Supplying and fixing <b>M.S aldrop</b> powder coated of 16 mm dia 300 mm long heavy type with plate folded hooks required nuts and bolts as directed by the Engineer-in-charge.	1	Each	204.42	204.42
65	Supplying and fixing <b>M.S aldrop</b> powder coated of 12 mm dia 200 mm long heavy type with required nuts and bolts as directed by the Engineer-in-charge.	1	Each	130.09	130.09
66	Supplying and fixing of <b>PVC netlon mesh of approved colour</b> to the existing windows/Doors mesh shutters/Frames with male and female posting arrangements etc. complete as directed by the Engineer-in-charge.	1	One Sqm	326.40	326.40
67	<b>Labour charges</b> for removing of existing old flymesh etc. complete as directed by the Engineer-in-charge.	1	One Sqm	48.00	48.00
68	Supply and fixing of <b>100 mm vertical blinds</b> including imported spare parts and Indian fabric including cost of materials, fixtures and fittings etc., complete as directed by the Engineer-in-charge.	1	One Sqm	1355.00	1355.00
69	Providing and fixing Milkwhite acrylic sheet with 4mm thick & lettering with engraving & embossing.	1	One Sqm	1512.00	1512.00
70	Providing & fixing anodised <b>aluminium work</b> for doors, windows, ventilators & partitions with extruded built up standard tubular & other sections of approved make conforming to IS : 733 & IS : 1285, anodised transparent or dyed to required shade according to IS : 1868. (Minimum anodic coating of grade AC 15), fixed with rawl plugs & screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/Neoprene felt etc., Aluminium sections shall be smooth, rust free, straight, mitred & joined mechanically wherever required including cleat angle. Aluminium snap beading for glazing/panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings & the directions of Engineer-in-charge (glazing and panelling to be paid for separately). for	1	kg	358.30	358.30
<b>STEEL WORK*</b>					
71	Structural steel work in single section fixed with or without connecting plate including cutting hoisting fixing in position and applying a priming coat of approved steel primer all complete	1	kg	59.90	59.90
72	Structural steel work riveted bolted or welded in built up sections, strusses and framed work, hoisting fixing in position and applying a priming coat of approved steel primer all complete	1	kg	66.50	66.50
73	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rail of T-iron 40x40x6mm dia steel pulleys complete with bolts nuts locking arrangement stoppers handles including applying a priming coat of approved steel primer	1	sqm	4234.25	4234.25
74	Providing and fixing 1mm thick MS sheet sliding shutters with frame and diagonal braces of 40x40x6 mm angle iron 3mm MS gusset plates at the junction and corners 25mm dia pully 40x40x6mm angle and T- iron guide at the top and bottom respectively including applying a priming coat of approved steel primer	1	sqm	2996.40	2996.40
75	Fabrication & erection of Structural steel sections including angles, channels, beams, rods or any other structural steel section forming an integral part and erecting the same as directed.( <b>Raw steel will be issued by BHEL free of cost at stores</b> )	1	kgs	21.12	21.12
76	Labour charges only--Repair of Entrance Gates & Grill gates etc., including tack welding, providing aldrop/ tower bolt, repairing /replacing hinges as per site condition.	1	Each	163.85	163.85
77	<b>Labour charges</b> for fixing grill doors with all necessary works like fixing hold fast into wall for necessary anchoring and making fit to the wall ..complete as directed by Engineer In charge.	1	Kg	4.00	4.00
82	Repairing including making locking arrangements to steel door shutters, sliding doors/ rolling shutters, M.S. gates such as hinges, aldrops, tower bolts or any suitable arrangements including gas cutting, welding etc complete as directed by the Engineer-in-charge.	1	Each Shutte r / gate	336.00	336.00

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
83	Repairing the existing M.S. grill gates / door shutters of single leaf / double leaves, window or door frames M.S. Ornamental grills, M.S tubular gates in position including welding, cost of all fittings, fixtures like peg stays, handles, pivot handles, pivot hinges etc. for windows, towerbolts, aldrops, hinges, looking hooks etc for doors, complete as directed by Engineer-in-charge	1	each	163.85	163.85
84	Supply and fixing of Megic eyes of approved design including cost of all materials etc complete all as directed by engineer-in-charge	1	each	108.00	108.00
<b>FLOORING/TILE WORK</b>					
84	Cement concrete flooring 1:2:4 (1 cement 2 coarse sand 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry but excluding the cost of nosing of steps etc. complete				
84.1	40mm thick with 20mm nominal size stone aggregate	1	sqm	280.05	280.05
85	Cement plaster skirting (upto 30cm height) with cement mortar 1:3 (1 cement 3 coarse sand ) finished with a floating coat of neat cement				
85.1	18mm thick	1	sqm	258.20	258.20
86	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS 15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy bottle green black of any size as approved by engineer in charge in skirting risers of steps and dados over 12mm thick bed of cement including pigment of matching shade etc. complete as per drawing specification and direction of engineer-in-charge	1	sqm	724.25	724.25
87	Providing and laying ceramic glazed floor tiles 300x300mm (thickness to be specified by the manufacture) of 1 st quality conforming IS 15622 of approved make in colours such as white Ivory grey fume red brown laid on 20mm thick cement mortar 1:4( 1 cement 4 coarse sand) including pointing the joints with white cement and matching pigment etc. complete	1	sqm	764.55	764.55
88	Providing and laying ceramic glazed floor tiles 300x300mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS 15622 of approved make in all colours shades except white Ivory, grey, gume red brown laid on 20mm thick bed of cement mortar 1:4(1 cement 4 coarse sand ) including pointing the jointing the joints with white cement and matching pigment etc. complete	1	sqm	772.90	772.90
89	Providing and laying polished vitrified floor tiles in different size ( thickness to be specified by the manufacture) with water absorption's less than 0.08% and conforming to IS 15622 of approved make in all colours and shade, laid on 20mm thick cement mortar 1:4(1 cement 4 coarse sand ) including grouting the joints with white cement and matching pigment etc. complete	1			0.00
89.1	Size of tile 50x50cm	1	sqm	1182.35	1182.35
89.2	Size of tile 60x60cm	1	sqm	1337.10	1337.10
89.3	Size of tile 80x80cm	1	sqm	1579.40	1579.40
89.4	Size of tile 100x100cm	1	sqm	2246.10	2246.10
90	Deduct for not using 20mm thick cement mortar 1:4( 1 cement 4 coarse sand ) bending in laying of floor tiles	1	sqm	360.15	360.15
91	Fixing glazed / ceramic vitrified floor tiles with cement based high polymer modified quick set tile adhesive (water based ) conforming to IS 15477 using 5 kg adhesive per sqm of tile area in average 3mm thickness	1	sqm	336.75	336.75
92	Ellis pattern flooring 20 mm thick cement concrete using one cement and three granite stone metal chippings of 3 to 10mm gauge including fine finishing, neat thread lining, curing, cost of all materials etc. complete.	1	One Sqm	235.20	235.20
93	Flooring with rough shahabad stone slabs of 20 to 30 mm thick and approved quality over a base of cement mortar 1:6 and pointing with CM 1:3 including curing, cost of all materials etc. complete	1	One Sqm	151.20	151.20
94	Flooring / dadoing polished shahabad stone slabs of 25 mm thick (Tandur blue) uniform shade and approved quality, over a base of cement mortar 1:6 and pointing with cement paste including curing, cost of all materials etc. complete.	1	One Sqm	520.11	520.11
95	Removing the existing flooring and redoing the same with Ellis pattern flooring 20 mm thick cement concrete using one cement and three granite stone chippings of 3 to 10 mm gauge including fine finishing, neat thread lining, curing, disposing off the spoils within a lead of 2 km etc. complete as directed by the Engineer- in-charge.	1	One Sqm	250.32	250.32
96	Polishing to the existing mosaic / polished shahbad stone flooring using necessary / machines/materials such as carborandam stone etc including neat finishing etc complete as directed by Engineering - in - charge	1	One Sqm	33.60	33.60
97	Removing the exiting cement flooring, supplying and laying of 25 mm thick ( ± 1 mm) designer floor tiles of approved colour and brand over a base of cement mortar 1:4, 20 mm thick, with required quantity of cement slurry for flooring including colouring pigment to match with tiles, cost of all materials etc complete all as directed by Engineer-in-charge	1	One Sqm	892.80	892.80
98	Labour charges for fixing tiles (both Vitrified /Ceramic tiles) with cement mortar as base including pointing the joints with white cement and matching pigment, etc complete.	1	Sqm	219.63	219.63

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
99	<b>Labour charges</b> Removing and refixing of damaged floor / wall tiles of various sizes with cement mortar as base including pointing the joints with white cement and matching pigment etc complete	1	sqm	239.93	239.93
100	Providing and laying Parking / interlocking tiles of 20 to 25mm thick depending on manufactures specification, over a bed of CC/CM, which will be paid separetly under separate item all as directed by the Engineer in charge	1	sqm	720.00	720.00
101	Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished) machine cut for kitchen platforms vanity counters window sills facias and similar locations of required size of approved shade colore and texture laid over 20mm thick base cement mortar 1:4( 1cement 4 coarse sand ) with joints treated with white cement mixed with matching pigment epoxy touch ups, including rubbing curing moulding and polishing to edge to give high gloss finish etc. complete at all levels.				
101	Raj nagar plain white marble udaipur green marble / Zebra black marble				
101.1	Area of slab upto 0.50 sqm	1	sqm	1894.75	1894.75
102	Granite stone of any colour and shade				
102.1	Area of slab over 0.50 sqm	1	sqm	3083.40	3083.40
<b>ROOFING</b>					
103	Providing and fixing on wall face unplasticised rigid pvc rain water pipes conforming to IS 13592 type a including jointing with seal ring conforming to IS 5382 leaving 10mm gap for thermal expansion (i) single socketed pipes				
103.1	75mm diameter	1	mtr	124.00	124.00
103.2	110mm diameter	1	mtr	206.90	206.90
104	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin- charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	1	sqm	601.75	601.75
105	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/self tapping screws complete -				
105.1	Ridges plain (500 - 600mm)	1	mtr	620.75	620.75
105.2	Flashings/ Aprons.( Upto 600 mm)	1	mtr	602.50	602.50
105.3	North light curves	1	mtr	648.65	648.65
105.4	Barge board (Upto 300 mm)	1	mtr	567.05	567.05
105.5	Crimp curve	1	mtr	620.85	620.85
105.6	Gutter (600 mm over all girth)	1	mtr	750.70	750.70
106	Providing impervious coat in CM 1:4, 20 mm thick using approved water proofing compound at one Kg/bag of cement when the roof slab is green including arranging proper slopes, for easy flow of rain water, curing etc complete.	1	One Sqm	206.42	206.42
107	<b>Labour charges</b> for fixing AC sheet / Galvalumme sheet roofing and ceiling using 'J' bolts, nuts, bitumen / GI washers etc.complete, (only AC sheets/ Galvalume sheets and ridges will be supplied free of cost at BHEL stores) all as directed by Engineer - in - charge	1	One Sqm	67.20	67.20
108	<b>Labour charges</b> Fixing of Hi-rib s galvalume /Zincalume sheets of 0.5 mm tk. 1 mtr width and length upto 12 mts with factory cut and fixing to the roof shall be crest fixed to roofpurlins with number 12-14 x 55 mm polymer coated galvanised hex head self drilling screws with integral washers and EPDM seals (4 fasteners for support) for sheet etc., complete asdirected - For roofing, side cladding and louvers with necessary fixtures. All the safety measures should be taken care by the agency itself.	1	One Sqm	126.00	126.00
109	Fixing North Light curves/ Barges in required girth with 0.5 mm galvalume sheets upto a length of 2.5 M having curved width upto 600 mm fixing to the steel members with self drilling / self stitching, fasteners at a maximum of 500 mm c/c along the length of capping,flashing etc.,complete as directed by Engineer-in-charge. including the cost of labouretc.,complete.(North Light Curves / Barges Will beissued free of cost by BHEL at their Stores).All the safety measures should be taken by the	1	One Rmt	92.40	92.40
110	Dismantling the existing garrage structural work, AC sheets and MS angles including stacking & handing over of service cable materials and disposal of debris all as directed by Engineerin - in - charge.	1	Each Shed	4320.00	4320.00
111	12mm cement plaster of mix (In fine sand)				
111.1	1:4 (1 cement 4 fine sand)	1	sqm	123.50	123.50
111.2	1:6 (1 cement: 6 fine sand)	1	sqm	112.50	112.50
112	15mm cement plaster on the rough side of single or half brick wall of mix				
112.1	1:4 (1 cement 4 fine sand) (in coarse Sand)	1	sqm	112.50	112.50
112.2	1:6 (1 cement: 6 fine sand)	1	sqm	130.20	130.20

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
113	20mm cement plaster of mix (In Fine sand)				
113.1	1:4( 1 cement 4 fine sand)	1	sqm	173.70	173.70
113.2	1:6( 1 cement 6 fine sand)	1	sqm	156.15	156.15
114	CEMENT PLASTER (IN COARSE SAND)				
114.1	12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)	1	sqm	121.05	121.05
115	15 mm cement plaster on rough side of single or half brick wall of mix :				
115.1	1:6 (1 cement: 6 coarse sand)	1	sqm	140.45	140.45
116	20mm cement plaster of mix (In Coarse sand)				
116.1	1:4( 1 cement 4 coarse sand)	1	sqm	186.70	186.70
116.2	1:6( 1 cement 6 coarse sand)	1	sqm	169.50	169.50
117	18mm cement plaster in two coats under layer 12mm thick cement plaster 1:5( 1 cement 5 coarse sand ) finished with a top layer 6mm thick cement plaster 1:6( 1cement 6 fine sand )	1	sqm	182.90	182.90
118	18mm cement plaster in two coats under layer 12mm thick cement plaster 1:5( 1 cement 5 coarse sand ) finished with a top layer 6mm thick cement plaster 1:3( 1cement 3 coarse sand ) finished rough with sponge	1	sqm	198.25	198.25
119	6mm cement plaster of Mix				
119.1	1:3( 1 cement 3 fine sand)	1	sqm	101.00	101.00
120	Pointing on stone work with cement mortar 1:3( 1 cement 3 fine sand)				
120.1	Flush / Ruled pointing	1	sqm	111.80	111.80
120.2	Raised and cut pointing	1	sqm	201.85	201.85
121	Raised and cut pointing on stone work in white cement mortar 1:3( 1 white cement 3 marble dust)	1	sqm	219.30	219.30
121.1	White washing with lime to give an even shape				
122	Painting the external wall surfaces by applying two or more coats of Acrylic smooth exterior paint (after completion of one coat prior clearance to be taken to apply the second coat with department officials) of BHEL supplied paint on existing old surface, including scrapping, cost of thinner, brushes labour, ladders, scaffolding, tools and other incidentals etc. complete up to 7m height including rectifying the wall cracks, patches etc with Birla wall care putty crack filler etc complete all as directed by Engineer-in charge (Only Acrylic paint will be supplied by BHEL). All the safety precautions would be responsibility of the contractor.	1	Sqm	17.78	17.78
123	Finishing with epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat preparation for surface etc complete	1			0.00
123.1	on steel work	1	sqm	105.50	105.50
123.2	on concrete work	1	sqm	108.55	108.55
124	Painting (two or more coats) on rain water soil waste and vent pipes and fitting with black anticorrosive bitumastic paint approved brand and manufacture over and including a priming of ready mixed zinc chromate yellow primer on new work	1			0.00
124.1	100mm dia meter pipes	1	mtr	25.60	25.60
124.2	150mm dia meter pipes	1	mtr	38.20	38.20
125	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade (Iron work/Plastered surface/Signboards frames/wood work/Road speed breakers etc.)	1			0.00
125.1	Two or more coats on new work	1	sqm	53.85	53.85
125.2	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	1	sqm	78.80	78.80
126	Scrapping the existing paint surface, repairing the wall surface and supply and application of One coats of Altek Superfine lappam, applying one coat of required primer thorough polishing the area using emery papers of appropriate grade to get required level and finish of walls before painting the surfaces, as directed by the Engineer in charge etc complete	1	sqm	172.80	172.80
127	Scrapping the existing paint surface, repairing the wall surface and supply and application of Two coats of Altek Superfine lappam, applying one coat of required primer thorough polishing the area using emery papers of appropriate grade to get required level and finish of walls before painting the surfaces, as directed by the Engineer in charge etc complete	1	sqm	192.00	192.00
128	Providing & Applying two or more coats of Tractor emulsion paint of Approved shade including cost of all materials, labour etc complete	1	sqm	94.08	94.08
129	Providing and applying altek luppam of 2 mm thickness over plastered surface to prepare the surface even and smooth including thorough scrapping to remove the old paint complete as directed by Engineer in charge.	1	Sqm	53.02	53.02
<b>REPAIRS TO BUILDINGS</b>					
130	Providing and fixing 25mm thick shutters for cup board etc				
130.1	Panelled or Panelled and glazed shutters				
130.2	Superior class teak wood including nickel plated bright finished MS piano hinges with necessary screws	1	sqm	3069.85	3069.85
130.3	1st class teak wood including nickel plated bright finished MS piano hinges with necessary screws	1	sqm	2532.10	2532.10
131	Glazed shutters				
131.1	Superior class teak wood including nickel plated bright finished MS piano hinges with necessary screws	1	sqm	3193.30	3193.30

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
131.2	1st class teak wood including nickel plated bright finished MS piano hinges with necessary screws	1	sqm	2615.20	2615.20
132	White washing with lime to give an even shade :				
132.1	Old work (two or more coats)	1	sqm	7.05	7.05
132.2	Old work (one or more coats)	1	sqm	4.35	4.35
133.	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	1	sqm	5.70	5.70
134	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade				
134.1	old work (two or more coats)	1	sqm	23.40	23.40
135	Removing dry or oil bound distemper water proofing cement paint and the like by scrapping sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	1	sqm	7.50	7.50
136	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade	1	sqm	8.50	8.50
137	Finishing walls with Acrylic smooth exterior paint of required shade				
137.1	old work (two or more coats applied @ 1.67ltr/10sqm ) on existing cement paint surface)	1	sqm	48.30	48.30
137.2	old work (one or more coat applied @0.90 ltr/ 10sqm)	1	sqm	31.65	31.65
138	Painting to <b>black boards with one coat</b> of black board paint of approved brand including cost of all materials etc., complete all as directed by Engineer-in-charge.	1	One Sqm	53.85	53.85
139	Applying golden colour or other approved colour to <b>statues</b> from 3' height to 8' height statue painting including scrapping the old surface and applying one or more coats to give good appearance including cost of scaffolding cost of all material all as directed by Engineer-in-charge.	1	Nos	2520.00	2520.00
140	Providing <b>gultas</b> in traingular shape of base 150 mm and height 150 mm with cement mortar 1:4, including fine finishing, cost of all materials etc complete all as directed by Engineer-in-charge.	1	One Rmt	42.00	42.00
141	Providing <b>bands</b> to slab / chajja projections in cement mortar 1:4, 20 mm thick and 20 mm wide including cost of all materials, curing etc complete all as directed by Engineer-in-charge.	1	One Rmt	42.00	42.00
142	Flooring and <b>skirting with 25 mm thick</b> polished shahabad stone slabs (Tandur blue) of required sizes over a base of 20 mm thick cement mortar 1:6 including pointing in CM 1:2, curing, cost of all materials etc complete all as directed by Engineer in charge.	1	One Sqm	520.11	520.11
143	Rectifying the wall cracks by chipping off the existing plastered surfaces to the required width, depth and applying cement slurry in the cracks to the required depth, making good all damages and finishing to match with the existing one by plastering with CM 1:5; 12/15 mm thick and a coat of white wash / snowcem / distemper etc as the case may be as directed by the Engineer-in-charge.	1	One Sqm	196.56	196.56
144	Crack filling without pressure grouting: Routing out the cracks with a mechanically operated groove cutter and sealing with expansive crack filling compound - CERA	1	Rmt	126.00	126.00
<b>DISMANTLING AND DEMOLISHING</b>					
145	Demolishing lime concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineer-in-charge.	1	cum	234.20	234.20
146	Demolishing concrete manually / by mechanical means including disposal of material within 50mtr lead as per direction of engineer in charge				
146.1	1:3:6 or richer mix	1	cum	671.05	671.05
146.2	1:4:8 or leaner mix	1	cum	413.65	413.65
147	Demolishing RCC work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50mtr lead as per direction of engineer in charge	1	cum	978.95	978.95
148	Extra for cutting reinforcement bars manually by mechanical means in RCC or RB work (payment shall be made on the cross sectional area of RCC or RB work) as per direction of engineer in charge	1	sqm	325.15	325.15
149	Extra for scrapping, cleaning and straightening reinforcement from RCC or RB work	1	kg	2.60	2.60
150	Demolishing brick work manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50mtr lead as per direction of engineer in charge				
150.1	In cement mortar	1	cum	566.60	566.60
151	Demolishing stone rubble masonry manually by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50mtr lead as per direction of engineer in charge				
151.1	In cement mortar	1	cum	676.05	676.05
152	Dismantling door windows and clerestory windows (steel or wood ) quantity of stacks of cleaned material will be measured)				
152.1	Of area 3sqm and below	1	each	101.70	101.70
152.2	Of area beyond 3sqm	1	each	139.85	139.85
153	Taking out doors windows and clerestory window shutters(steel or wood) including stacking within 50mtr lead				
153.1	Of area 3sqm and below	1	each	39.70	39.70

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
153.2	Of area beyond 3sqm	1	each	52.45	52.45
154.	Dismantling steel work in single sections including dismembering and stacking within 50mtr lead in				
154.1	RS joists	1	kg	0.95	0.95
154.2	Channels angles tees and flats	1	kg	0.65	0.65
155	Dismantling steel work in built up sections in angles tees flats and channels including all gusset plates bolts nuts cutting rivets welding etc. including dismembering and stacking within 50mtr lead	1	kg	1.55	1.55
156	Dismantling steel work manually by mechanical means in built up section without dismembering and stacking within 50mtr lead as per direction of engineer in charge	1	kg	1.05	1.05
157	Demolishing R.B. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge	1	cum	874.50	874.50
158	Dismantling precast concrete or stone slabs in walls, partition walls etc. including stacking within 50 metres lead				
159	Thickness up to 40 mm	1	sqm	80.40	80.40
160	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50mtr lead	1	sqm	15.85	15.85
160	Dismantling G.I pipes ( external work ) including excavation and refilling trenches after taking out the pipes manually by mechanical means including stacking of pipes within 50mtr lead as per direction of engineer in charge				
160.1	15mm to 40mm nominal bore	1	mtr	44.10	44.10
160.2	Above 40mm nominal bore	1	mtr	50.30	50.30
161	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50mtr lead	1	sqm	15.00	15.00
162	Dismantling aluminium / Gypsum partitions doors windows fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50mtr lead as directed by engineer in charge	1	sqm	15.90	15.90
163	Demolishing C.C/ RCC work by mechanical means and stockpiling at designated locations and disposal of dismantled materials upto a lead of 1000m , stacking serviceable and unserviceable material separately including cutting reinforcement bars	1	cum	1075.90	1075.90
<b>SANITARY WORKS</b>					
164	Providing and fixing water closet squatting pan(indian type WC pan) with 100mm sand cast iron P or S trap 10 ltr low level white PVC flushing cistern with manually controlled device (handle level) conforming to IS 7231 with all fitting and fixtures complete including cutting and making good the walls and floors wherever required				
164.1	White vitreous china orissa pattern WC pan of size 580x440mm with integral type floor rests	1	each	2964.10	2964.10
165	Providing and fixing white vitreous china pedestal type water closet (european type WC pan) with seat and lid 10ltr low level white PVC flushing cistern with manually controlled device (handle level) conforming to IS 7231 with all fittings and fixtures complete including cutting and making good the wall and floors wherever required				
165.1	WC pan with ISI marked white solid plastic seat and lid	1	each	2885.10	2885.10
165.2	WC pan with ISI marked black solid plastic seat and lid	1	each	2865.35	2865.35
166	Providing and fixing white vitreous china pedestal type water closet (european type )with seat and lid 10 ltr low level white vitreous china flushing cistern and CP flush bend with fitting and CI brackets 40mm flush bend overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fitting and brackets cutting and making good the walls and floors wherever required				
166.1	WC pan with ISI marked white solid plastic seat and lid	1	each	4220.80	4220.80
166.2	WC pan with ISI marked black solid plastic seat and lid	1	each	4201.05	4201.05
167	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 430x410x265mm sizes respectively with automatic flushing cistern with standard flush pipe and CP brass spreaders with brass unios and GI clamps complete including painting of fitting and brackets cutting and making good the walls and floors wherever required				
167.1	One urinal basin with 5 ltr white PVC automatic flushing cistern	1	each	2844.40	2844.40

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
168	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350mm with white PVC automatic flushing cistern with fitting standard size CP brass flush pipe spreaders with unions and clamps (all in CP brass) with waste fitting as per IS 2556 CI trap with outlet grating and other couplings in CP brass including painting of fitting and cutting and making good the walls and floors wherever required	1			0.00
168.1	Single half stall urinal with 5 ltr PVC automatic flushing cistern	1	each	5354.50	5354.50
169.	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe white PVC automatic flushing cistern with fitting standard size GI flush pipe for back and front flush with standard spreader pipes with fitting GI clamps and CP brass coupling complete including painting of fitting and cutting and making good the walls and floors etc. wherever required				
169.1	Single squatting plate with 5 ltr PVC automatic flushing cistern	1	each	3529.35	3529.35
170	Providing and fixing wash basin with CI brackets 15mm CP brass pillar taps 32mm CP brass waste of standard pattern including painting of fittings and brackets cutting and making good the walls wherever require				
170.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	1	each	1848.35	1848.35
170.2	white vitreous china wash basin size 630x450mm with a single 15mm CP brass pillar tap	1	each	1628.95	1628.95
170.3	White vitreous china flat back wash basin size 550x400mm with single 15mm CP brass pillar tap	1	each	1460.50	1460.50
170.4	White Vitreous China Flat back wash basin size 450x300 mm with single 15 mm C.P. brass pillar tap	1	each	1338.55	1338.55
170.5	White vitreous china surgeon type wash basin of size 660x460mm with a pair of 15mm CP brass pillar tap with elbow operated levers	1	each	3218.95	3218.95
170.6	Stainless steel AISI 304(18/8) wash basin size 530x345mm with single 15mm CP brass pillar tap	1	each	2552.35	2552.35
170.7	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings	1	each	894.70	894.70
171	Providing and fixing kitchen sink with CI brackets CP brass china with rubber plug 40mm CP brass waste complete including painting the fittings and brackets cutting and making good the walls wherever required				
171.1	White glazed fire clay kitchen sink of size 600x450x250mm	1	each	2206.95	2206.95
172	Providing and fixing stainless steel A ISI 304(18/8) kitchen sink as per IS 13983 with CI brackets and stainless steel plug 40mm including painting of fitting and brackets cutting and making good the walls wherever required				
172.1	Kitchen sink with drain board	1			0.00
172.2	510x1040mm bowl depth 200mm	1	each	5640.10	5640.10
172.3	Kitchen sink without drain board	1			0.00
172.4	610x510mm bowl depth 200mm	1	each	3934.30	3934.30
172.5	610x460mm bowl depth 200mm	1	each	3702.00	3702.00
172.6	470x420mm bowl depth 178mm	1	each	2888.95	2888.95
173	Providing and fixing white vitreous china laboratory sink with CI brackets CP brass china with rubber plug 40mm CP brass waste and 40mm CP brass trap with necessary CP brass unions complete including painting of fitting and brackets cutting and making good the wall wherever required				
173.1	Size 450x300x150mm	1	each	1939.80	1939.80
173.2	Size 600x450x200mm	1	each	2758.65	2758.65
174	Dismantling, Providing and fixing white vitreous china water closet squatting pan (indian type)				
174.1	Long pattern WC pan of size 580mm	1	each	759.70	759.70
174.2	Orissa pattern WC pan of size 580x440mm	1	each	1235.95	1235.95
175	Extra for using coloured WC pan instead of white WC pan				
175.1	Orissa pattern WC pan 580x440mm	1	each	609.80	609.80
176	Providing and fixing white vitreous china pedestal type (european type/ wash down type ) water closet pan	1	each	1154.65	1154.65
177	Extra for using coloured pedestal type WC pan (european type) with low level cistern of same colour instead of white vitreous china WC pan and cistern	1	each	1173.10	1173.10
178	Providing and fixing a pair of white vitreous china foot rests of standard pattern for squatting pan water closet				
178.1	250x130x30mm	1	pair	139.45	139.45
178.2	250x125x25mm	1	pair	151.10	151.10
179	Providing and fixing PVC low level flushing cistern with manually controlled device (handle level) conforming to IS 7231 with all fittings and fixtures complete				
179.1	10 Ltr capacity white	1	each	831.90	831.90
179.2	10 Ltr capacity coloured	1	each	887.35	887.35
180	Providing and fixing controlled flush low level cistern made of vitreous china with all fitting complete				
181.1	10 Ltr (full flush ) capacity white	1	each	1474.10	1474.10
181.2	10 Ltr (full flush ) capacity coloured	1	each	1967.75	1967.75
182	Providing and fixing solid plastic seat with lid for pedestal type WC pan complete				
182.1	white solid plastic seat with lid	1	each	383.25	383.25
182.2	black solid plastic seat with lid	1	each	363.50	363.50

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
183	Providing and fixing GI inlet connection for flush pipe connecting with WC pan	1	each	94.00	94.00
184	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 340x410x265mm sizes respectively.	1	each	792.60	792.60
185	Providing and fixing white vitreous china squatting plate urinal with integral rim longitudinal flush pipe	1	each	1537.85	1537.85
186	Providing and fixing white vitreous china wash basin including making all connectons but excluding the cost of fitting				
186.1	Flat back wash basin of size 630x450mm	1	each	893.55	893.55
186.2	Flat back wash basin of size 550x400mm	1	each	725.15	725.15
186.3	Angle back wash basin of size 600x480mm	1	each	783.25	783.25
186.4	Angle back wash basin of size 400x400mm	1	each	579.95	579.95
186.5	Flat back wash basin of size 450x300mm	1	each	603.20	603.20
186.6	Surgeon type wash basin of size 660x460mm	1	each	1265.25	1265.25
187	Providing and fixing kitchen sink including making all connections excluding cost of fittings				
187.1	White glazed fire clay sink of size 600x450x250mm	1	each	1656.65	1656.65
188	Providing and fixing white vitreous china laboratory sink including making all connections excluding excluding cost of fittings				
188.1	Size 450x300x150mm	1	each	1041.05	1041.05
188.2	Size 600x450x200mm	1	each	1859.95	1859.95
189	Providing and fixing PVC waste pipe for sink or wash basin including PVC waste fitting complete				
189.1	semi rigid pipe	1			0.00
189.2	32mm dia	1	each	59.50	59.50
189.3	40mm dia	1	each	66.45	66.45
189.4	Flexible pipe	1			0.00
189.5	32mm dia	1	each	65.30	65.30
189.6	40mm dia	1	each	67.60	67.60
190	Providing and fixing 100mm sand cast iron grating for gully trap	1	each	24.60	24.60
191	Providing and fixing in position 25mm dia metre mosquito proof coupling of approved municipal design	1	each	34.50	34.50
192	Providing and fixing 600x450mm beveled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with CP brass screws and washers complete	1	each	674.05	674.05
193	Providing and fixing mirror of superior glass (approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing				
193.1	circular shape 450mm dia	1	each	731.30	731.30
193.2	Rectangular shape 453x357mm	1	each	598.30	598.30
193.3	oval shape 450x350mm (outer dimensions)	1	each	642.80	642.80
193.4	Rectangular shape 1500x450mm	1	each	1211.00	1211.00
194	Providing and fixing 600x120x5mm glass shelf with edges round of supported on anodised aluminium angle frame with CP brass brackets and guard rail complete fixed with 40mm long screws rawl plugs etc. complete	1	each	341.25	341.25
194.1	Providing and fixing toilet paper holder				
194.2	CP brass	1	each	250.95	250.95
194.3	Vitreous china	1	each	259.75	259.75
195	Providing and fixing soil waste and vent pipes				
195.1	100mm dia				
195.2	sand cast iron S&S pipe as per IS 1729	1	mtr	734.30	734.30
195.3	Centrifugally cast (spun) iron socketed pipe as per IS 3989	1	mtr	857.30	857.30
195.4	75mm diameter				
195.5	sand cast iron S&S pipe as per IS 1729	1	mtr	656.60	656.60
195.6	Centrifugally cast (spun) iron socketed pipe as per IS 3989	1	mtr	744.50	744.50
196	Providing and filling the joints with spun yarn cement slurry and cement mortar 1:2(1 cement 2 fine sand) in SCI/CI pipes				
196.1	75mm dia pipe	1	each	47.55	47.55
196.2	100mm dia pipe	1	each	56.00	56.00
197	Providing and fixing MS holder bat clamps of approved design to sand cast iron/cast iron(spun) pipe embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix ( 1 cement 2 coarse sand 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc.				
197.1	for 100mm dia pipe	1	each	112.50	112.50
197.2	for 75mm dia pipe	1	each	110.15	110.15
198	Providing and fixing vitreous china dual purpose closet suitable for use as squatting pan or european type water closet (angle indian WC pan ) with seat lid with CP brass hinges and rubbers buffers 10ltr low level flushing cistern with fitting and brackets 40mm flush bend 20mm over flow pipe with specials of standard make and mosquito proof coupling of approved municippal design complete, including painting of fitting and brackets cutting and making good the walls and floors wherever required				
198.1	white vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and CP flush bend	1	each	5744.30	5744.30
199	Dismantling, Providing and fixing PTMT waste coupling for wash basin and sink of approved quality and colour				
199.1	waste coupling 31mm of 79mm length and 62mm breadth weighing not less than 45 grms	1	each	94.35	94.35
199.2	waste coupling 38mm of 83mm length and 77mm breadth weighing not less than 60grms	1	each	109.45	109.45
200	Dismantling, Providing and fixing PTMT bottle trap for wash basin and sink				

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
200.1	Bottle trap 31mm single piece moulded with height of 270mm effective length of tail pipe 260mm from the centre of the waste coupling 77mm breadth with 25mm minimum water seal weighing not less than 260 grms	1	each	403.30	403.30
200.2	Bottle trap 38mm single piece moulded with height of 270mm effective length of tail pipe 260mm from the centre of the waste coupling 77mm breadth with 25mm minimum water seal weighing not less than 263 grms	1	each	435.30	435.30
201	Dismantling, Providing and fixing PTMT liquid soap container 109mm wide 125mm high and 112mm distance from wall of standard shape with bracket of the same material with snap fitting of approved quality and colour weighing not less than 105 grms	1	each	180.10	180.10
202	Dismantling, Providing and fixing PTMT towel ring trapezoidal shape 215mm long 200mm wide with a minimum distances of 37mm from wall face with concealed fitting arrangement of approved quality and colour weighing not less than 88 grms	1	each	169.85	169.85
203	Dismantling, Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour				
203.1	450mm long towel rail with total length of 495mm 78mm wide and effective height of 88mm weighing not less than 170 grms	1	each	375.70	375.70
203.2	600mm long towel rail with total length of 645mm width 78mm and effective height of 88mm weighing not less than 190 grms	1	each	415.20	415.20
203.3	Dismantling, Providing and fixing PTMT shelf 440mm long 124mm width and 36 mm height of approved quality and colour weighing not less than 300 grams	1	each	452.35	452.35
203.4	Dismantling, Providing and fixing PTMT 15mm urinal spreader size 95x69x100mm with 1/2" BSP thread and shapes weighing not less than 60 grms	1	each	159.20	159.20
204	Dismantling, Providing and fixing PTMT urinal cock of approved quality and colour				
204.1	15mm nominal bore 80mm long 42mm high and 30mm wide with BSP female threads weighing not less than 48grm	1	each	123.15	123.15
205	Rectifying the dampness due to leaking joints of Nahany traps alkathin / lead pipe connections to W.C's joints in AC pipes embedded in flooring including chasing brick work / concrete and making good after repairs in cement mortar including cost of all materials, curing etc complete for all specials all as directed by Engineer-in-charge.( trap and PVC Pipe if replaced will be measured separately)	1	Each	298.28	298.28
206	Dismantling and replacing with new ones of approved make including chasing of brick work / concrete, making good in CM cost of all materials, curing for the following items etc complete all as directed by Engineer-in-charge				
206.1	Wash hand basins of size 22"x16" (without fittings)	1	Each	768.00	768.00
206.2	Wash hand basins of size 18"x12" (without fittings).	1	Each	672.00	672.00
206.3	Indian water closet 630 mm / 580 mm	1	Each	816.00	816.00
206.4	European Water closets complete all as directed by Engineer-in-charge.	1	Each	1152.00	1152.00
206.5	Standing type white glazed flat back urinals.	1	Each	576.00	576.00
206.6	Porcelain 'P' trap of size 4"	1	Each	288.00	288.00
206.7	Orissa Pan of approved make and size 580 x 440 mm	1	Each	880.00	880.00
206.8	SWG gully traps 6"x6" or 4"x4" with CI frame and cover.	1	Each	207.50	207.50
206.9	Fixing of white coloured PVC low level flushing cistern 10 lit capacity supplied from BHEL stores complete all as directed by Engineer-in-charge.	1	Each	384.00	384.00
206.10	labour charges for Fixing kitchen black stone sinks of 1/2" thick, 24" x 18" x 7" with CI brackets CP brass china with CP brass waste complete including painting the fittings and brackets cutting and making good the walls wherever required. <b>(Black stone sink along with waste water pipe,waste coupling and brackets will be free issue from BHEL store).</b>	1	Each	446.10	446.10
206.11	Dismantling and replacing with new ones of approved make including cost of all materials etc complete all as directed by Engineer-in-charge.				
206.12	1/2" C.P. pillar taps (500 gms) SEIKO DELUX HEAVY DUTY.	1	Each	339.78	339.78
206.13	1/2" brass stop cock (400 gms)	1	Each	322.06	322.06
206.14	3/4" brass stop cock.	1	Each	395.14	395.14
206.15	1/2" X 18" PVC pipe connections. (Heavy duty).	1	Each	75.18	75.18

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
206.16	PVC flexible pipe 32 mm dia.	1	Each	78.62	78.62
206.17	3/4" polymer ball cock of ISI makes approved brand.	1	Each	324.22	324.22
206.18	1/2" polymer ball cock of ISI makes approved brand.	1	Each	236.04	236.04
206.19	E.W.C seat covers (solid) of any shade.	1	Each	513.91	513.91
206.20	CP consealed stock cock 1/2" dia with internal brass threadings.	1	Each	440.95	440.95
206.21	Hot and cold mixing vlave of SEIKO DELUX make.	1	Each	1387.70	1387.70
206.22	C.P. waste coupling 1 1/4" dia (32 mm).	1	Each	213.81	213.81
206.23	C.P. Nahani trap jalise 5" dia.	1	Each	23.34	23.34
206.24	Hot water connections.	1	Each	132.28	132.28
206.25	C.I. brackets.	1	Each	108.93	108.93
206.26	Porcelain foot rests 250 x 125 x 25 mm	1	Each	189.59	189.59
206.27	1/2" C.I bib taps with brass internal, turning (Alto brand or equivalent).	1	Each	106.34	106.34
206.28	1/2" Polymet bib taps (PTMT material) prayag make.	1	Each	199.72	199.72
206.29	PVC shower swing type for the 1/2" 3/4" pipe (Prayag make).	1	Each	194.53	194.53
206.30	1/2" C.I. stop cock with brass internal turnings (Alto or equivalent brand).	1	Each	173.78	173.78
206.31	PVC syphon set suitable for PVC/CI law down flush tank of 10 litres capacity with all fittings etc.	1	Each	1273.10	1273.10
206.32	Supplying and fixing of PVC balls ISI marked for ball cocks in over head tanks and flush tanks for 20 mm dia.etc. <u>complete all as directed by Engineer-in-charge.</u>	1	Each	36.59	36.59
206.33	Supplying and fixing CI Nahany trap 76 mm (3") dia in cement concrete 1:2:4 and 12.7 mm (5") dia CI grating hinged to Nahany trap including breaking of the flooring and redoing the same wherever necessary etc complete all <u>as directed by Engineer-in-charge.</u>	1	Each	336.00	336.00
206.34	Removing and refixing GI pipe 13 to 40 mm dia including cost of jointing materials such as specials like collars, elbows, bends etc complete all as directed by Engineer-in-charge.	1	One Rmt	60.13	60.13
206.35	Supplying and fixing Telephonic shower including cost of all materials and fixtures and fittings etc complete all as <u>directed by Engineer-in-charge.</u>	1	Each	1426.32	1426.32
206.36	Providing PVC storage tank covers located over the buildings to suit existing PVC storage tanks with nut and bolts etc complete all as directed by Engineer-in-charge.	1	Each	100.80	100.80
206.37	Dismantling of the existing AC/PVC Pipe (old pipes are to be handed over to department as per instructions of the Engineer-in-charge) and <b>supplying &amp; fixing</b> of 75 mm dia Prince/ Sudhakar make or equivalent quality as approved by Engineer-in-charge of PVC / SWR pipes (as per ISI standards) 4 kgs/ cm <sup>2</sup> . etc complete all as directed by <u>Engineer-in-charge.</u>	1	Rmt	141.12	141.12
206.38	Dismantling of the existing AC /PVC Pipes (the pipes are to be returned to department as per instructions of the Engineer-in-charge) and <b>Supply &amp; Fixing</b> Prince / Sudhakar make or equivalent approved quality PVC / SWR pipes (as per ISI standards) 4 kg / cm <sup>2</sup> ... <b>110 mm</b> dia etc <u>complete all as directed by Engineer-in-charge.</u>	1	Rmt	240.24	240.24
207	Dismantling of the existing specials and <b>Supplying &amp; Fixing</b> Prince / Sudhakar make or equivalent approved quality (U.V. resistant UPVC) SWR pipe fittings (as per ISI standards) etc complete all as directed by Engineer-in-charge.				
207.1	75 mm dia plain bend.	1	Each	110.88	110.88
207.2	75 mm dia plug bend.	1	Each	132.72	132.72
207.3	75 mm dia off-set.	1	Each	100.80	100.80
207.4	75 mm dia Single 'Y' with door.	1	Each	172.80	172.80
207.5	75 mm dia pipe clip.	1	Each	25.20	25.20

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
207.6	75 mm dia single tee with door.	1	Each	146.16	146.16
207.7	110 mm dia plain bend.	1	Each	115.20	115.20
207.8	110 mm dia plug bend.	1	Each	144.00	144.00
207.9	110 mm dia Single 'Y' with door.	1	Each	192.00	192.00
207.10	110 mm dia Double 'Y' with door.	1	Each	240.00	240.00
207.11	110 mm dia off-set.	1	Each	156.24	156.24
207.12	110 mm dia vent cowl.	1	Each	55.44	55.44
207.13	110 mm dia pipe clip.	1	Each	30.24	30.24
207.14	110 mm dia single tee with door.	1	Each	144.00	144.00
207.15	110 mm dia coupler.	1	Each	97.44	97.44
208	Labour Charges for dismantling and replacing with new ones of approved make including chasing of brick work / concrete, making good in CM cost of all materials, curing for the following items etc complete all as directed by Engineer-in-charge.				
208.1	Wash hand basins of size 22"x16" (without fittings)	1	Each	560.00	560.00
208.2	Wash hand basins of size 18"x12" (without fittings).	1	Each	560.00	560.00
208.3	Indian water closet 630 mm / 580 mm	1	Each	720.00	720.00
208.4	European Water closets complete all as directed by Engineer-in-charge.	1	Each	720.00	720.00
208.5	Standing type white glazed flat back urinals.	1	Each	640.00	640.00
208.6	Porcelain "P" trap of size 4"	1	Each	240.00	240.00
208.7	Orissa Pan of approved make and size 580 x 440 mm	1	Each	780.00	780.00
208.8	SWG gully traps 6"x6" or 4"x4" with CI frame and cover.	1	Each	540.00	540.00
208.9	Fixing of white coloured PVC low level flushing cistern 10 lit capacity supplied from BHEL stores complete all as directed by Engineer-in-charge.	1	Each	288.00	288.00
209	labour charges for Fixing kitchen black stone sinks of 1/2" thick, 24" x 18" x 7" with CI brackets CP brass china with CP brass waste complete including painting the fittings and brackets cutting and making good the walls wherever required.	1	Each	360.00	360.00
210	Labour charges for Dismantling and replacing with new ones of approved make etc complete all as directed by Engineer-in-charge.				
210.1	1/2" C.P. pillar taps (500 gms) SEIKO DELUX HEAVY DUTY.	1	Each	168.00	168.00
210.2	1/2" brass stop cock (400 gms)	1	Each	144.00	144.00
210.3	3/4" brass stop cock.	1	Each	152.00	152.00
210.4	1/2" X 18" PVC pipe connections. (Heavy duty).	1	Each	56.00	56.00
210.5	PVC flexible pipe 32 mm dia.	1	Each	40.00	40.00
210.6	3/4" polymer ball cock of ISI makes approved brand.	1	Each	216.00	216.00
210.7	1/2" polymer ball cock of ISI makes approved brand.	1	Each	232.00	232.00
210.8	E.W.C seat covers (solid) of any shade.	1	Each	136.00	136.00
210.9	CP sealed stock cock 1/2" dia with internal brass threadings.	1	Each	368.00	368.00
210.10	Hot and cold mixing vlave of SEIKO DELUX make.	1	Each	768.00	768.00
210.11	C.P. waste coupling 1 1/4" dia (32 mm).	1	Each	52.00	52.00
210.12	C.P. Nahani trap jalise 5" dia.	1	Each	40.00	40.00
210.13	Hot water connections.	1	Each	48.00	48.00
210.14	C.I. brackets.	1	Each	56.00	56.00
210.15	Porcelain foot rests 250 x 125 x 25 mm	1	Each	144.00	144.00
210.16	1/2" C.I bib taps with brass internal, turning (Alto brand or equivalent).	1	Each	128.00	128.00
210.17	1/2" Polymet bib taps (PTMT material) prayag make.	1	Each	120.00	120.00
210.18	PVC shower swing type for the 1/2" 3/4" pipe (Prayag make).	1	Each	128.00	128.00
210.19	1/2" C.I. stop cock with brass internal turnings (Alto or equivalent brand).	1	Each	112.00	112.00
210.20	PVC syphon set suitable for PVC/CI law down flush tank of 10 litres capacity with all fittings etc.	1	Each	448.00	448.00
210.21	Supplying and fixing of PVC balls ISI marked for ball cocks in over head tanks and flush tanks for 20 mm dia.etc. complete all as directed by Engineer-in-charge.	1	Each	60.00	60.00
210.22	Supplying and fixing CI Nahany trap 76 mm (3") dia in cement concrete 1:2:4 and 12.7 mm (5") dia CI grating hinged to Nahany trap including breaking of the flooring and redoing the same wherever necessary etc complete all as directed by Engineer-in-charge.	1	Each	480.00	480.00
210.23	Removing and refixing GI pipe 13 to 40 mm dia including cost of jointing materials such as specials like collars, elbows, bends etc complete all as directed by Engineer-in-charge.	1	One Rmt	56.00	56.00
210.24	Supplying and fixing Telephonic shower including cost of all materials and fixtures and fittings etc complete all as directed by Engineer-in-charge.	1	Each	136.00	136.00

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
210.25	Providing PVC storage tank covers located over the buildings to suit existing PVC storage tanks with nut and bolts etc complete all as directed by Engineer-in-charge.	1	Each	136.00	136.00
211	Labour charges for Dismantling of the existing AC/PVC Pipe (old pipes are to be handed over to department as per instructions of the Engineer-in-charge) and <b>supplying &amp; fixing</b> of 75 mm dia Prince/ Sudhakar make or equivalent quality as approved by Engineer-in-charge of PVC / SWR pipes (as per ISI standards) 4 kgs/ cm <sup>2</sup> . etc complete all as directed by Engineer-in-charge.	1	Rmt	400.00	400.00
212	Labour charges for Dismantling of the existing AC /PVC Pipes (the pipes are to be returned to department as per instructions of the Engineer-in-charge) and <b>Supply &amp; Fixing</b> Prince / Sudhakar make or equivalent approved quality PVC / SWR pipes (as per ISI standards) 4 kg / cm <sup>2</sup> ... <b>110 mm</b> dia etc complete all as directed by Engineer-in-charge.	1	Rmt	480.00	480.00
213	Labour charges for Dismantling of the existing specials and <b>Supplying &amp; Fixing</b> Prince / Sudhakar make or equivalent approved quality (U.V. resistant UPVC) SWR pipe fittings (as per ISI standards) etc complete all as directed by Engineer-in-charge.				
213.1	75 mm dia plain bend.	1	Each	104.00	104.00
213.2	75 mm dia plug bend.	1	Each	104.00	104.00
213.3	75 mm dia off-set.	1	Each	120.00	120.00
213.4	75 mm dia Single 'Y' with door.	1	Each	176.00	176.00
213.5	75 mm dia pipe clip.	1	Each	16.00	16.00
213.6	75 mm dia single tee with door.	1	Each	184.00	184.00
213.7	110 mm dia plain bend.	1	Each	120.00	120.00
213.8	110 mm dia plug bend.	1	Each	128.00	128.00
213.9	110 mm dia Single 'Y' with door.	1	Each	144.00	144.00
213.10	110 mm dia Double 'Y' with door.	1	Each	160.00	160.00
213.11	110 mm dia off-set.	1	Each	160.00	160.00
213.12	110 mm dia vent cowl.	1	Each	48.00	48.00
213.13	110 mm dia pipe clip.	1	Each	40.00	40.00
213.14	110 mm dia single tee with door.	1	Each	184.00	184.00
213.15	110 mm dia coupler.	1	Each	72.00	72.00
<b>WATER SUPPLY</b>					
214	Providing and fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 U.V.stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80 C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 metre spacing. This includes the costs of cutting chases and including testing of joints complete as per direction of the engineer in charge.				
	Concealed work including cutting chases and making good the wall etc.				
214.1	1216 (16mm OD) Pipe	1	metre	297.95	297.95
214.2	1620 (20 mm OD) pipe	1	metre	340.60	340.60
214.3	2025 (25mm OD) Pipe	1	metre	405.65	405.65
214.4	2532 (32mm OD) Pipe	1	metre	507.30	507.30
215	Providing and fixing GI pipes complete with GI fitting and clamps including cutting and making good the walls etc. <b>Internal work-Exposed on wall</b>				0.00
215.1	15mm nominal bore	1	mtr	161.60	161.60
215.2	20mm nominal bore	1	mtr	188.05	188.05
215.3	25mm nominal bore	1	mtr	243.15	243.15
215.4	32mm nominal bore	1	mtr	296.50	296.50
215.5	40mm nominal bore	1	mtr	364.10	364.10
215.6	50mm nominal bore	1	mtr	453.65	453.65
216	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, <b>cutting chases and making good the wall</b> :				
216.1	15 mm dia nominal bore	1	mtr	229.10	229.10
216.2	20 mm dia nominal bore	1	mtr	251.30	251.30
217	Providing and fixing GI pipe complete with GI fitting <b>including trenching and refilling etc. External work</b>				
217.1	15mm nominal bore	1	mtr	142.25	142.25
217.2	20mm nominal bore	1	mtr	161.25	161.25
217.3	25mm nominal bore	1	mtr	209.40	209.40
217.4	32mm nominal bore	1	mtr	248.55	248.55
217.5	40mm nominal bore	1	mtr	294.20	294.20
217.6	50mm nominal bore	1	mtr	355.95	355.95
217.7	65mm nominal bore	1	mtr	453.55	453.55
217.8	80mm nominal bore	1	mtr	573.40	573.40
218	Making connection of GI distribution branch with GI main of following sizes by providing and fixing tee including <b>cutting and threading the pipe ect complete</b>	1			0.00
218.1	25 to 40mm nominal bore	1	each	277.35	277.35
218.2	50 to 80mm nominal bore	1	each	630.15	630.15
219	Providing and fixing brass bib cock of approved quality:				
219.1	15 mm nominal bore	1	each	205.60	205.60
219.2	20 mm nominal bore	1	each	266.15	266.15
220	Providing and fixing brass stop cock of approved quality :				
220.1	15 mm nominal bore	1	each	205.60	205.60
220.2	20 mm nominal bore	1	each	266.65	266.65
221.	Providing and fixing gun metal gate valve with C.I. wheel of <b>approved quality (screwed end)</b>				
221.1	25 mm nominal bore	1	each	372.95	372.95
221.2	32 mm nominal bore	1	each	450.90	450.90

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
221.3	40 mm nominal bore	1	each	546.05	546.05
221.4	50 mm nominal bore	1	each	780.60	780.60
221.5	65 mm nominal bore	1	each	1073.25	1073.25
221.6	80 mm nominal bore	1	each	1832.95	1832.95
222	Providing and fixing ball valve (brass) of approved quality High or low pressure with plastic floats complete :				
222.1	15 mm nominal bore	1	each	258.05	258.05
222.2	20 mm nominal bore	1	each	360.20	360.20
222.3	25 mm nominal bore	1	each	421.65	421.65
224	Providing and fixing gun metal non return of approved quality (screwed end)				
224.1	25 mm nominal bore				
224.2	Horizontal	1	each	383.45	383.45
224.3	vertical	1	each	395.05	395.05
224.4	32 mm nominal bore				
224.5	Horizontal	1	each	490.25	490.25
224.6	vertical	1	each	594.80	594.80
224.7	40 mm nominal bore				
224.8	Horizontal	1	each	620.25	620.25
224.9	vertical	1	each	817.70	817.70
224.10	50 mm nominal bore				
224.11	Horizontal	1	each	936.35	936.35
224.12	vertical	1	each	1110.55	1110.55
224.13	65 mm nominal bore				
224.14	Horizontal	1	each	1681.95	1681.95
224.15	vertical	1	each	1949.10	1949.10
224.16	80 mm nominal bore				
224.17	Horizontal	1	each	2392.95	2392.95
224.18	vertical	1	each	3089.85	3089.85
225	Providing and fixing uplasticised PVC connection pipe with brass unions				
225.1	30 cm length	1			
225.2	15 mm nominal bore	1	each	51.35	51.35
225.3	20 mm nominal bore	1	each	59.50	59.50
225.4	45 cm length				
225.5	15 mm nominal bore	1	each	61.70	61.70
225.6	20 mm nominal bore	1	each	73.35	73.35
226	Providing and fixing CP brass shower rose with 15 or 20mm inlet				
226.1	100 mm dia meter	1	each	58.15	58.15
226.2	150 mm dia meter	1	each	77.85	77.85
227	laying in position centrifugally cast spun iron S&S or flanged pipes(excluding cost of pipe)	0.5	quintal	101.70	50.85
228	Providing lead caulked joints to spun iron or CI pipes and specials including testing of joints but excluding the cost of pig lead				
228.1	100 mm diameter pipe	0.5	each	150.00	75.00
228.2	125 mm diameter pipe	0.5	each	220.65	110.33
228.3	150 mm diameter pipe	1	each	225.10	225.10
228.4	200 mm diameter pipe	1	each	298.65	298.65
228.5	250 mm diameter pipe	1	each	372.70	372.70
228.6	300 mm diameter pipe	1	each	448.75	448.75
228.7	350 mm diameter pipe	1	each	463.85	463.85
229	Constructing masonry chamber 30x30x50 cm inside with 75 class designation brick work in cement mortar 1:4 ( 1 cement 4 coarse sand ) for stop cock with CI surface box 100x100x75mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix ( 1 cement 2 coarse sand 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10( 1 cement 5 fine sand 10 graded stone aggregate 40mm nominal size) and 12mm thick finished with a floating coat of neat cement complete as per standard design				
229.1	With FPS bricks	1	each	884.70	884.70
230	Constructing masonry chamber 60x60x75 cm inside with 75 class designation brick work in cement mortar 1:4 ( 1 cement 4 coarse sand ) for sluice valve with CI surface box 100mm top diameter 160mm bottom diameter and 180mm deep (inside) with chained lid and RCC top slab 1:2:4 mix ( 1 cement 2 coarse sand 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10( 1 cement 5 fine sand 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3(1 cement 3 coarsed sand) 12mm thick finished with a floating coat of neat cement complete as per standard design				
230.1	With FPS bricks	1	each	5251.80	5251.80
231	Constructing masonry chamber 90x90x100 cm inside with 75 class designation brick work in cement mortar 1:4 ( 1 cement 4 coarse sand ) for sluice valve with CI surface box 100mm top diameter 160mm bottom diameter and 180mm deep (inside) with chained lid and RCC top slab 1:2:4 mix ( 1 cement 2 coarse sand 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10( 1 cement 5 fine sand 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3(1 cement 3 coarsed sand) 12mm thick finished with a floating coat of neat cement complete as per standard design	1			0.00
231.1	With FPS bricks	1	each	9021.30	9021.30

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
232	Constructing masonry chamber 120x120x100 cm inside with 75 class designation brick work in cement mortar 1:4 ( 1 cement 4 coarse sand) for sluice valve with CI surface box 100mm top diameter 160mm bottom diameter and 180mm deep (inside) with chained lid and RCC top slab 1:2:4 mix ( 1 cement 2 coarse sand 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10( 1 cement 5 fine sand 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3(1 cement 3 coarsed sand) 12mm thick finished with a floating coat of neat cement complete as per standard				
232.1	With FPS bricks	1	each	12492.70	12492.70
233	Constructing masonry chamber 60x60x75 cm inside with 75 class designation brick work in cement mortar 1:4 ( 1 cement 4 coarse sand) for sluice valve with CI surface box 100mm top diameter 160mm bottom diameter and 180mm deep (inside) with chained lid and RCC top slab 1:2:4 mix ( 1 cement 2 coarse sand 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10( 1 cement 5 fine sand 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3(1 cement 3 coarsed sand) 12mm thick finished with a floating coat of neat cement complete as per standard design				
233.1	With FPS bricks	1	each	4979.80	4979.80
234	Constructing masonry chamber 60x45x50 cm inside with 75 class designation brick work in cement mortar 1:4 ( 1 cement 4 coarse sand) for sluice valve with CI surface box 100mm top diameter 160mm bottom diameter and 180mm deep (inside) with chained lid and RCC top slab 1:2:4 mix ( 1 cement 2 coarse sand 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10( 1 cement 5 fine sand 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3(1 cement 3 coarsed sand) 12mm thick finished with a floating coat of neat cement complete as per standard				
234.5	With FPS bricks	1	each	4791.25	4791.25
235	Providing and fixing GI union in GI pipe including cutting and threading the pipe and making long screws etc, complete (new work)				
235.1	15 mmmnominal bore	1	each	119.60	119.60
235.2	20 mm nominal bore	1	each	142.85	142.85
235.3	25 mm nominal bore	1	each	154.45	154.45
235.4	32 mm nominal bore	1	each	189.30	189.30
235.5	40 mm nominal bore	1	each	229.95	229.95
235.6	50 mm nominal bore	1	each	307.70	307.70
235.7	65 mm nominal bore	1	each	551.60	551.60
235.8	80 mm nominal bore	1	each	656.15	656.15
236	Providing and fixing GI union in existing GI pipe line cutting and threading the pipe and making long screws including excavation refilling the earth or cutting of wall and making good the same complete wherever required				
236.1	15 mmmnominal bore	1	each	259.65	259.65
236.1	20 mm nominal bore	1	each	282.90	282.90
236.1	25 mm nominal bore	1	each	294.50	294.50
236.1	32 mm nominal bore	1	each	329.35	329.35
236.1	40 mm nominal bore	1	each	370.00	370.00
236.1	50 mm nominal bore	1	each	498.65	498.65
236.1	65 mm nominal bore	1	each	742.55	742.55
236.1	80 mm nominal bore	1	each	847.10	847.10
237	Providing and fixing CP brass bib cock of approved quality conforming to IS 8931				
237.1	15 mmmnominal bore	1	each	397.50	397.50
238	Providing and fixing CP brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810grms				
238.1	15 mmmnominal bore	1	each	411.40	411.40
239	Providing and fixing CP brass long body bib cock of approved quility conforming to IS standards and weighing not less than 690 gms				
239.1	15 mmmnominal bore	1	each	430.60	430.60
240	Providing and fixing CP brass stop cock (concealed) of standard design and of approved make conforming to IS 8931				
240.1	15 mmmnominal bore	1	each	426.55	426.55
241	Providing and fixing CP brass angle valve for basin mixer and geyser points of approved quality conforming to IS 8931a) 15mm nominal bore				
241.1	15mm nominal bore	1	each	449.35	449.35
242.	Providing and fixing PTMT bib cock of approved quality and colour				
242.1	15mm nominal bore, 86mm long weighing not less than 88gms	1	each	130.10	130.10
242.2	15mm nominal bore, 122mm long weighing not less than 99gms	1	each	176.55	176.55
242.3	15mm nominal bore, 165mm long weighing not less than 110gms	1	each	199.80	199.80
242.4	15mm nominal bore, 90mm long weighing not less than 93gms	1	each	168.45	168.45
243.	Providing and fixing PTMT stop cock of approved quality and colour				
243.1	15mm nominal bore, 86mm long weighing not less than 88gms	1	each	130.10	130.10

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
243.2	20mm nominal bore, 89mm long weighing not less than 88gms	1	each	164.95	164.95
243.3	concealed stop cock, 15mm nominal bore, 108mm long weighing not less than 108gms	1	each	214.90	214.90
244	Providing and fixing PTMT pillar cock of approved quality and colour				
244.1	15mm nominal bore, 107mm long weighing not less than 110gms	1	each	202.25	202.25
244.2	15mm nominal bore, 125mm long weighing not less than 120gms	1	each	277.25	277.25
245.	Providing and fixing PTMT push cock of approved quality and colour				
245.1	15mm nominal bore, 98mm long weighing not less than 75gms	1	each	118.50	118.50
245.2	15mm nominal bore, 80mm long weighing not less than 46gms	1	each	106.85	106.85
246.	Providing and fixing PTMT grating of approved quality and colour .				
246.1	Circular type				
246.2	100 mm nominal dia .	1	each	43.20	43.20
246.3	125 mm nominal dia with 25mm waste hole	1	each	50.15	50.15
246.4	Rectangular type with openable circular lid .				
247	150 mm nominal size square 100 mm diameter of the inner hinged round grating	1	each	124.50	124.50
248	Providing and fixing enclosed type water meter (bulk type) conforming to IS 2373 and tested by municipal board complete with bolts nuts rubber insertions etc. ( the tail pieces if required will be paid separately)				
248.1	80 mm nominal bore	1	each	2880.60	2880.60
248.2	100 mm nominal bore	1	each	4329.20	4329.20
249	Providing and fixing CI dirt box stairner for bulk type water meter with nuts bolts rubber insertions ect complete conforming to IS 2373				
249.1	80mm dia	1	each	3340.90	3340.90
249.2	100mm dia	1	each	5300.55	5300.55
250	Providing and fixing PTMT ball cock of approved quality colour and make complete with Epoxy coated aluminium rod with I /P/H.P.H.D plastic ball				
250.1	15mm nominal bore, 105mm long weighing not less than 138gms	1	each	193.00	193.00
250.2	20mm nominal bore, 120mm long weighing not less than 198gms	1	each	273.05	273.05
251.	Providing and fixing PTMT swivelling shower 15mm nominal bore weighing not less than 40 gms	1	each	112.75	112.75
251.1	Providing and fixing PTMT soap Dish holder having length of 138mm breadth 102mm height of 75mm with concealed fitting arrangement. Weighing not less than 106gms	1	each	151.10	151.10
252	Providing and laying S&S CI standard specials such as tees bends collars tapers and caps etc suitable for flanged jointing as per IS 1538				
252.1	Upto 300mm dia	1	quintal	6989.95	6989.95
252.2	Above 300mm dia	1	quintal	8906.40	8906.40
253	Providing and fixing unplasticised PVC connection pipe with PTMT nuts collar and bush of approved quality and colour				
253.1	15mm nominal bore with 30cm length	1	each	59.50	59.50
253.2	15mm nominal bore with 45 cm length	1	each	67.55	67.55
254.	Providing and fixing PTMT extension nipple for water tank pipe fitting of approved quality and colour	1			0.00
254.1	15mm nominal bore. weighing not less than 32gms	1	each	43.00	43.00
254.2	20mm nominal bore. weighing not less than 40gms	1	each	50.00	50.00
254.3	25mm nominal bore. weighing not less than 62gms	1	each	72.05	72.05
255	Cutting holes up to 30x 30 cm in walls including making good the same	1			0.00
255.1	with FPS bricks	1	each	152.00	152.00
256	Labour charges for erection PVC tanks-1000Lts including transportation from Dept stores to work spot (including all necessary fittings and specials like ball cock, nipples..etc).	1	Each	912.00	912.00
257	Only Labour charges for erection & commissioning of PVC flush tanks. (Flush tank & all required materials will be issued by BHEL at their stores).	1	Each	88.00	88.00
258	Supply & fixing of brass spindle rods for 3" to 14" valves, including machine threading and finishing and with check nut as per site requirement.( Finished item weight will be measured for payment)	1	kg	1056.00	1056.00
259	Supply & Fixing of 114mm Alkthene pipes	1	Rmt	4608.00	4608.00
<b>HORTICULTURE</b>					
260	Uprooting and clearing parthinium and other weeds with big scissors, knives etc including clearing and disposing the cut waste within a lead of 2 km all as directed by the Engineer-in-charge. The waste materials shall be cleared on the same day and the rate shall include all tools, transport etc	1	One Sqm	1.62	1.62
261	Supply & fixing precast RCC fencing poles of size of size 150mm square at bottom of the pole & 100mm square at top of the pole and length of the pole should be minimum 1800 length. (Specification should be checked for standard size) as directed by Engineer In charge	1	each	384.00	384.00
<b>Conveyance</b>					
262	Conveyance by Manual or Mechanical means of Lime, Murram, building Rubbish including loading un-loading with lift of 50 m upto lead mentioned below all complete all as directed by Engineer in charge				
262.1	1 Km	1	Cum	66.23	66.23

Item No	Description	Qty	Units	Rate (Rs.)	Amount (Rs.)
262.2	2 Km	1	Cum	75.15	75.15
262.3	3 Km	1	Cum	83.99	83.99
263	Conveyance by Manual or Mechanical means of Earth including loading un-loading with lift of 50 m upto lead mentoned below all complete all as directed by Engineer in charge				
263.1	1 Km	1	Cum	82.78	82.78
263.2	2 Km	1	Cum	93.94	93.94
263.3	3 Km	1	Cum	104.98	104.98
264.	Conveyance by Manual or Mechanical means of Excavated rock including loading un-loading with lift of 50 m upto lead mentoned below all complete all as directed by Engineer in charge				
264.1	1 Km	1	Cum	132.45	132.45
264.2	2 Km	1	Cum	150.31	150.31
264.3	3 Km	1	Cum	167.98	167.98
<b>SUPPLY OF</b>					
267	Supply of <b>12 mm guage hard granite stone metal</b> including cost and conveyance and stacking as directed etc complete.	1	One Cum	1190.80	1190.80
268	Supply of <b>ground moulded number bricks</b> of best quality including cost and conveyance to site and stacking neatly as directed by the Engineer-in-charge.	1	Nos	4.18	4.18
269	Supply of <b>good quality course River Sand</b> Bhodan / Karimnagar / Kurnool / Sirisilla quality including cost and conveyance to site and stacking neatly as directed by the Engineer-in-charge.	1	One Cum	1300.88	1300.88
270	Supply and spreading quarry <b>stone dust</b> on walking track, stadium etc, complete as directed by Engineer-in-charge.	1	One Cum	1425.85	1425.85
<b>Lettering of</b>					
270	Applying <b>one coat of synthetic enamel paint</b> of Apcolite brand and an approved shade to the speed breakers and road sign boards including cost of all materials, labour etc complete etc complete all as directed by Engineer-in-charge.	1	Sqm	49.92	49.92
271	Painting the township layout on supplied boards approximate Size 3.00x1.50 M, as per the layout with different shades indicating the functional and residential buildings separately and in different colours for various types, bordering, index preparations, key plan etc, complete as per the instructions ( <b>The paints shall be of synthetic enamel for G.P of approved make</b> ). The rate quoted shall include rubbing the existing painting surface and cost of all the materials like brushes and paintsetc complete all as directed by Engineer-in-charge.	1	Sqm	1055.04	1055.04
272	Preparing the supplied boards of different sizes to receive the painting as per the drawing and painting the letters of different sizes in different shapes with synthetic enamel paint of approved make in different shades as per the instructions. The quoted rate shall include rubbing of the existing painted surface to receive the new painting and cost of all materials like brushes, paints etc etc directed by Engineer-in-charge.	1	Sqm	505.80	505.80
273	Providing <b>radium sticker letters</b> and arrow marks of approved colour and design and size. The base board will be supplied by the department and as directed by the Engineer in-charge.	1	Sqm	3537.07	3537.07
274	Supply and fixing of multi colour digital printing on paper with lamination on 10 mm M.D.F.Board Supporting with Iron Frame including all incidental charges etc complete as directed by Engineer-in-charge etc directed by Engineering - in-charge.	1	Sqm	10920.00	10920.00
275	Supply and fixing of self glow radium sticker on the radium paper including cutting charges, fixing charges etc complete as directed by Engineer-in-charge.	1	Sqm	10611.22	10611.22
276	Re-lettering with black Japan paint of approved brand and manufacture for numbering to shops with black ground paint and also including cost of all material etc complete all as directed by Engineer-in-charge.	1	per letter per centimeter height	1.70	1.70
277	Supply and fixing of radium plain sheet wherever required etc complete all as directed by Engineer-in-charge.	1	Sqm	1680.00	1680.00
<b>Total Amount Rs.</b>					<b>600000.18</b>
<b>Tender %</b>	<b>Figures</b>				
<b>Excess</b>					
<b>Less</b>					
<b>Estimate</b>					
<b>Important notes:-</b>					
1	Please refer the NIT terms and conditions of the NIT and its related penalties and recoveries pertaining to the work.				
2	As mentioned in the NIT, penalty clause 2.1.36 shall be applicable for this work.				
3	No additional material shall be issued to the agency for doing rectification during warranty period.All charges including material shall be solely borne by the agency.				
4	Cement , reinforcement steel and structural steel will be free issued by BHEL.				
5	All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirement, issued by IR section of HR department BHEL.				
6	The agency shall submit the I.R. clearance certificate for the above work and arrange to get the final bill sent to Finance within one month from the actual date of completion of work.				
7	The Contract period of the work is 07 (Seven) months and maintenance period of the work is Six (6) Months. The security deposit will be released after satisfactory completion of the work and after getting I.R clearance and payment of final bill.				
8	All the terms & conditions of the contract with respect to Taxes & Duties are subject to the new taxation laws introduced from time to time (e.g., GST). The terms & conditions will be modified in accordance with the provisions of new laws (e.g., GST)				