

NIT SCHEDULE ZONAL CONTRACT FOR REPAIR WORK OF R.B. & N.R.B. AT SUB DIVISION PANNA- I st (Part-IIIrd)

3

SOR INFORCE FROM 01.01.2024

P.A.C. RS - 19.99 LAKH

S. No	Particulars	Unit	Rate
1	2	4	5
1/14.1	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. metres and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50metres lead : With cement mortar 1:4 (1 cement : 4 sand).	Sqm	180.00
2/14.2	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 15 x 10 x 10 cm with cement concrete 1:3:6(1 cement : 3 sand : 6 graded stone aggregate 20 mm nominal size), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete including disposal of rubbish to the dumping ground within 50 meters lead :	Each	544.00
	Door chowkhats	Each	325.00
	Window chowkhats	Each	238.00
	Window chowkhats	Each	146.00
3/14.3	Fixing chowkhat in existing opening in brick / RCC wall with dash fasteners/ chemical fastener of appropriate size (3nos on each vertical member of door chowkhat and 2 nos. on each vertical member of window chowkhats) including cost of dashfasteners/ chemical fastener.	Each	146.00
4/14.4	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete to match existing surface i/c disposal of mulba/ rubbish as directed by Engineer- in-charge. For door/ window/ clerestory window	Sqm	323.00
5/14.5	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:Float glass panes of thickness 5.5 mm	Sqm	759.00
6/14.6	Renewing glass panes with new wooden fillets wherever necessary	Sqm	882.00
	Float glass panes of thickness 5.5 mm	Sqm	778.00
7/14.7	Renewing glass panes and refixing existing wooden fillets:	Sqm	778.00
	Float glass panes of thickness 5.5 mm	Sqm	17.00
8/14.16	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	17.00
9/15.1	Demolishing lime concrete manually/by mechanical means and disposal of material within 50 metres lead as per direction of Engineer-in-Charge.	Cum	202.00
10/15.2	Demolishing cement concrete manually/by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in- Charge.Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix).	Cum	356.00
11/15.6	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in- Charge.	Cum	487.00
	In cement mortar.	Sqm	8.70
12/15.25	Removal of old Tarfelt i/c disposal as directed by Engineer in charge.	Sqm	8.70
13/2.6	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 dressing of sides and ramming of bottom disposal of excavated earth, lead up to 50m and lift up to 1.5m, disposed earth to be levelled and neatly dressed. (No extra lift is payable if work is done by mechanical means) All kinds of soil	Cum	147.00
14/2.27.2	Supplying and filling in plinth underfloors including watering ramming consolidating in layers not exceeding 20cm in depth and dressing complete.	Cum	331.00
	Supplying and filling in plinth with soil(other then BC soil) having MDD not less than 1.85 t/m3 under floors including watering, ramming and compacting (minimum compaction 95% of MDD) in layers not exceeding 15cm depth and dressing complete.	Cum	331.00
15/4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level :	Cum	3890.00
	With 20mm nominal size graded stone aggregate.	Cum	4471.00
	M-10Nominal (Mix-1 Cement : 3 sand : 6 graded stone aggregate)	Cum	4933.00
	M-15 – Grade concrete	Cum	6338.00
	M-20 – Grade concrete	Cum	6338.00
	M-25 – Grade concrete	Cum	6338.00
16/4.3	Centering and shuttering including strutting, propping etc. and removal of form work for :	Sqm	169.00
	Upto plinth: Foundations, footings, bases for columns, plinth beams, curtain walls, columns below plinth.	Sqm	356.00
	Above plinth: Columns, pillars, posts and struts.	Sqm	356.00
17/4.11	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size).	Sqm	247.00
18/5.1	Providing and laying in position specified grade of reinforced cement concrete (with 20mm nominal size graded stone aggregate) excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :M-20 Grade Concrete	Cum	6153.00

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1	2	4	5
19/5.3	Reinforced cement concrete work (with 20 mm nominal size graded stone aggregate) in beams, suspended floors, roofs having slope of any degree landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral staircases above plinth level and upto floor two level excluding the cost of centering, shuttering, finishing and reinforcement in concrete grade.M-20 Grade Concrete	Cum	6541.00 ✓
20/5.9	Centering and shuttering in cluding strutting, propping etc. and removal of form for: Foundations, footings, bases of columns, etc. for concrete upto plinth level	Sqm	190.60 ✓
	Walls (any thickness) in cluding attached pilasters butter esses, plinth beams and string courses etc.Uptoplinthlevel.	Sqm	219.00 ✓
	Suspended floors, roofs, landings, balconies and access platform.	Sqm	439.60 ✓
	Lintels, beams, girders, bressumers and cantilevers	Sqm	356.00 ✓
	Columns, P i l l a r s , Piers, Abutments,Posts and Struts.	Sqm	471.20 ✓
21/5.16	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding including cost of binding wire all wastages and overlaps, couplers (overlaps shall be provided as per requirement of IS 13920 for ductile detailing IS 456 RCC Design & SP 34 Reinforcement detailing) etc. complete .(Note:-1. Spacer bars (chairs) shall be paid separately as shown in the drawing and as per direction of engineer in charge.2. No extra payment shall be done for overlaps and/or couplers.3. Couplers shall be conforming to IS code on "Reinforcement Couplers for Mechanical Splices of Bars for Concrete Reinforcement - Specification")Cold twisted bars (CTD)	Kg	81.00 ✓
22/6.5	Brick work with well brunt open bhatta, bricks, crushing strength not less than 25kg /cm2 and water absorption not more than 20% in foundation and plinth i/c curing etc complete. Cement Mortar 1:6 (1 cement: 6 sand).	Cum	4155.00 ✓
23/6.6	Brick work with well brunt open bhatta, bricks, crushing strength not less than 25kg / cm2 and water absorption not more than 20% in superstructure above plinth level and up to floor two level i/c curing etc complete.Cement Mortar 1:6 (1 cement : 6 sand)	Cum	4350.00 ✓
24/6.14	Providing half brick masonry with well burnt open bhatta bricks crushing strength not less than 25 kg/cm2 and water absorption not more than 20% in superstructure above plinth level and up to floor two level Cement mortar 1:4 (1 cement : 4sand)	Sqm	522.00 ✓
24/7.1	Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement:6 sand : 12 graded stone aggregate 20mm nominal size) at plinth level with : Cement mortar 1:6 (1 cement : 6 sand)	Cum	4147.00 ✓
25/9.19	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	Sqm	1870.00 ✓
26/9.43	Providing and fixing M.S. grills ofrequired pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding. Fixed to openings /wooden frames withdrawl plugs screws etc.	Kg	119.00 ✓
		Kg	128.00 ✓
27/9.41	Providing and fixing of 1.25 mm thickchromium plated brass plate, with two chromium plated curtain rods brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete: 25 mm dia.	Mtr	382.00 ✓
28/9.65	Providing and fixing ISI marked stainlesssteel sliding door bolts with nuts and screws etc. complete: 300x16 mm	Each	389.00 ✓
	250x16 mm	Each	326.00 ✓
29/9.66	Providing and fixing ISI marked stainlesssteel tower bolt black finish, (Barrel type) with necessary screws etc. complete :	Each	148.00 ✓
	250x10 mm	Each	50.00 ✓
	100x10 mm		
30/9.69	Providing and fixing ISI marked stainless steel handles with necessary screws etc. complete :		
	125 mm	Each	60.00 ✓
	100 mm	Each	54.00 ✓
31/9.76	Providing and fixing Stainless steelhanging type floor door stopper with necessary screws, etc. complete.	Each	103.00 ✓
32/9.46	Providing and fixing fly proof galvanizedM.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.63 mm all complete. With 2nd class teak wood beading 62x19mm	Sqm	1000.00 ✓
33/10.1	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	91.00 ✓
34/10.2	Structural steel work using M.S. flats, angles, channels I-section, H-section etc. riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	103.00 ✓
35/10.3	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 with 40mm dia steel pulleys complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer. Rate includes recess cutting in floor and making good the same wherever required.	Sqm	4132.00 ✓

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36/10.25	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc. including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete i/c fixing the railing with necessary accessories and stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge. (For payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)	Kg	582.00 ✓
37/10.26.	Providing and fixing fly proof wire gauze to windows, clerestory windows and doors with M.S. Flat 15x3mm and nuts and bolts complete.		
10.26.1	Galvanised M.S. Wire gauze with 0.63mm dia wire and 1.4 mm aperture on both sides	Sqm	646.00 ✓
10.26.2	Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides.	Sqm	1334.00 ✓
38/10.27	Providing and fixing glass panes/ steel sheet/ fibre sheet with putty and glazing clips in steel doors, windows, clerestory windows all complete. With 5.50 mm thick glass panes	Sqm	873.00 ✓
39/10.28	Add extra for providing and fixing froasted glass instead of float glass.		
	With 5.5 mm thick glass panes.	Sqm	262.00 ✓
40/10.23	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying a priming coat of approved steel primer. M.S. tube.	Kg	117.00 ✓
41/11.1	40 mm thick Cement concrete flooring 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate) 20mm nominal size stone aggregate in panels finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. (Area of panel not to exceed 2.0 sqm)	Sqm	270.00 ✓
42/11.2	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement: 2 sand: 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix: 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50kg of cement or as per manufacturers specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	Sqm	399.00 ✓
43/11.8	40 mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 31mm thick cement concrete 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 9mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 4mm to 7mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder : 7 marble chips) by volume including cement slurry etc. complete. (Area of panel not to exceed 2.0 sqm) Light shade pigment with white cement.	Sqm	607.00 ✓
43/11.12	Providing and fixing glass strips 40 mm wide and 4 mm thick in joints of terrazo/ cement concrete floors.	Mts	34.00 ✓
43/11.18	Chequered precast cement concrete tiles any finish, any size 22 mm thick IS:13810-1993 ISI mark in footpath and courtyard jointed with neat cement slurry mixed with pigment to match the shade of tiles, 15mm thick screed bed in cement mortar 1:6 complete all as specified and directed by Engineer-in-Charge. Light shade pigment using white cement.	Sqm	754.00 ✓
44/11.29	Providing and laying gang saw cut 18 mm thick, mirror polished premoulded (wherever required) and pre polished machine cut granite stonework in flooring of required size shape of approved shade, color and texture in flooring laid over 20 mm thick base of cement mortar 1:4 (1 Cement: 4 sand) including grouting the joints with white cement mixed with matching pigments epoxy touch ups etc. complete as per direction of Engineer-in-Charge.		
	Area of slab over 0.50 sqm		
	Fine grained granite dark Black/dark Red/ White or equivalent with self design/ pattern/crystals of other colors of glitter	Sqm	2919.00 ✓
45/11.44	40 mm thick fine dressed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 sand) including pointing with cement mortar 1:2 (1 cement : 2 sand) with an admixture of pigment to match the shade of stone. Red sand stone	Sqm	578.00 ✓
46/11.49	Providing and laying Ceramic glazed floor tiles 300x300 mm or more (having thickness 6 to 7mm) of 1st quality conforming to IS : 15622 of approved make in any colours and shade laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 sand) including pointing the joints with white cement and matching pigment etc., complete.	Sqm	670.00 ✓
47/11.50	Providing and fixing Ceramic glazed wall tiles 300x450 mm or more (having thickness 6 to 7 mm) of 1st quality conforming to IS: 15622 of approved make in all Colours & shades, except burgundy, bottle green, black laid on 12mm thick bed of Cement Mortar 1:3 (1Cement : 3 sand) prepad same day when mortar is still green jointed with grey cement slurry @3.3 kg per sqm including pointing the joints with white cement and matching pigments etc., complete.	Sqm	776.00 ✓
48/11.80	Providing and laying vitrified floor-tiles FullBody Design Homogenous Body matt/rustic finish in different size with water absorption less than 0.05% and conforming to IS:15622 of approved make in all colours & shades, 1st quality/ premium quality in flooring laid on 20mm thick cement mortar 1:4 (1 cement : 4 sand) including grouting the joints with white cement and matching pigments etc. complete		
	In light colour and shades as ivory, beige blanco, grey etc.		
	(b) Size 600X600mm thickness 9-10mm	Sqm	1206.00 ✓
	(c) Size 600X600 mm thickness 11-12mm (to be used heavy duty indoor areas of non residential buildings only such as schools, hostels, libraries hospitals, institutions, offices etc.)	Sqm	1349.00 ✓
	In dark colour and shade etc.		
	(b) Size 600X600mm thickness 9-10mm	Sqm	1340.00 ✓
	(c) Size 600X600 mm thickness 11-12mm (to be used in heavy duty indoor areas of non residential buildings only such as schools, hostels, libraries hospitals, institutions, offices etc.)	Sqm	1546.00 ✓

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1	2	4	5
49/12.1	Providing corrugated G.S. sheet roofing including vertical/ curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets 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.		
	1.00mm thick with zinc coating not less than 275gm/m ²	Sqm	1025.00
50/12.15	Providing and fixing pre-coated 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 gsm as per IS:277 in 240 mpa steel grade, 5-7microns 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 while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self-drilling /self-tapping screws of size (5.5x 55mm) 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.	Sqm	652.00
51/12.32	Providing and fixing on wall face Rigid Unplasticised rigid PVC (upvc) Single socketed rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion.		
	75 mm diameter (minimum wall thickness 1.8mm)	Sqm	136.00
	110 mm diameter (minimum wall thickness 2.2mm)	Sqm	238.00
52/13.1	12 mm cement plaster of mix :1:6 (1 cement : 6 sand)	Sqm	160.00
53/13.2	15 mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement : 6 sand)	Sqm	168.00
54/13.3	20 mm cement plaster of mix :1:6 (1 cement : 6 sand)	Sqm	225.00
55/13.4	12 mm cement plaster finished with a floating coat of neat cement of mix :1:4 (1 cement : 4 sand)	Sqm	203.00
56/13.8	6 mm cement plaster of mix : 1:3 (1 cement : 3 sand)	Sqm	144.00
57/13.10	Neat cement punning	Sqm	30.00
58/13.36	Providing and fixing broken glass in cement mortar 1.3 including cost of mortar, over compound walls.	Sqm	139.00
59/13.38	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete	Sqm	77.00
60/13.43	White washing with lime to give an even shade: New work (three or more coats)	Sqm	11.00
61/13.45	Distemping with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 grams/ltr of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coat on new work.	Sqm	75.00
62/13.49	Wall painting by any mechanical or manual means with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre. of approved brand and manufacture, including applying additional coats wherever required to achieve even shade.	Sqm	90.00
63/13.54.2	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand or manufacture.	Sqm	71.00
64/14.27	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	5.00
65/14.30	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.	Sqm	6.00
66/14.26	White washing with lime old work to give an even shade :two or more coats	Sqm	7.00
67/14.28	Distemping with dry distemper of approved brand and manufacture (one or more coats) and of required shade on old work to give an even shade.	Sqm	19.00
68/14.29	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade: Old work (one or more coats).	Sqm	21.00
69/14.31	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: Old work (one or more coats).	Sqm	28.00
70/14.36	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: One or more coats on old work.	Sqm	41.00
71/14.53.2	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. One or more coat applied @0.70 ltr/10 sqm.	Sqm	52.00
72/16.1.1.2	Boring/drilling bore well of required dia perfectly vertical to receive casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire and running charges of all equipments, tools, plants and machineries required for the job, all complete as per direction of Engineer-in-Charge, upto 90 metre depth below ground level. All types of soil upto 90 metre depth. 150 mm dia.	Mts	413.00
16.1.3.2	All types of soil beyond 90 metre depth. 150 mm dia.	Mts	428.00
73/16.2	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings and accessories etc. all complete, for all depths, as per direction of Engineer-in-Charge.		
	150 mm nominal dia (minimum wall thickness 7.5mm).	Mts	423.00

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1	2	4	5
74/17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, UPVC P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :		
	White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.	Each	2995.00
75/17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :		
	W.C. pan with ISI marked white solid plastic seat and lid	Each	3036.00
76/17.12	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	Each	1065.00
77/17.14.2.3	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required :Kitchen sink without drain board 470x420 mm bowl depth 178 mm.	Each	3422.00
78/17.17	Providing and fixing white vitreous china water closet squatting pan (Indian type) Orissa pattern W.C. pan of size 580x440 mm	Each	1322.00
79/17.19	Providing and fixing white vitreous china pedestal type (European type/ wash down type) water closet pan.	Each	1235.00
80/17.22	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete. 10 litre capacity White	Each	945.00
81/17.24	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete :White	Each	456.00
82/17.26	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm or 340x410x265mm sizes respectively.	Each	733.00
83/17.29	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings :		
	Flat back wash basin of size 630x450mm.	Each	1379.00
	Flat back wash basin of size 550x400mm.	Each	857.00
	Angle back wash basin of size 400x400mm.	Each	694.00
84/17.64	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe		
	32 mm dia	Each	87.00
	40 mm dia	Each	98.00
85/18.1	Providing and fixing Polyethylene-Aluminium- Polyethylene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 U.V. stabilised with carbon black having thermal stability for hot and 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 and connectors etc. with clamps at 1.00 metre spacing. This includes testing of joints complete as per direction of the Engineer-in-Charge. Internal work - Exposed on wall		
	1216 (16 mm OD) pipe (minimum wall thickness 1.75mm)	Mts	193.00
	1620 (20 mm OD) pipe (minimum wall thickness 2mm)	Mts	242.00
	2025 (25 mm OD) pipe (minimum wall thickness 2.45mm)	Mts	307.00
	3240 (40 mm OD) pipe (minimum wall thickness 3.4mm)	Mts	618.00
	4050 (50 mm OD) pipe (minimum wall thickness 4mm)	Mts	679.00
	Concealed work including cutting chases and making good the wall etc.		
	1216 (16 mm OD) pipe (minimum wall thickness 1.75mm)	Mts	299.00
	1620 (20 mm OD) pipe (minimum wall thickness 2mm)	Mts	360.00
	2025 (25 mm OD) pipe (minimum wall thickness 2.45mm)	Mts	441.00
	2532 (32 mm OD) pipe (minimum wall thickness 2.8mm)	Mts	553.00
86/18.13	25 mm nominal bore	Each	428.00
	32 mm nominal bore.	Each	500.00
	40 mm nominal bore	Each	584.00
	50 mm nominal bore	Each	749.00
87/18.19	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 sand) for sluice valve, with C.I. surface box 100mm. top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design		
	With common burnt clay bricks of 25 kg /sqcm compressive strength.	Each	5416.00
88/18.28	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	Lt	7.00
89/18.31	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931, 15 mm nominal bore.	Each	840.00

S. No	Particulars	Unit	Rate
1	2	4	5
90/18.32	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931, 15 mm nominal bore.	Each	1258.00
91/18.33	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gm, 15 mm nominal bore	Each	1272.00
92/18.34	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS: 8931. 15 mm nominal bore.	Each	1155.00
93/18.35	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15 mm nominal bore	Each	714.00
94/18.37	Providing and fixing C.P. brass pillar cock approved quality and make conforming to IS: specification. 15 mm nominal bore 125 mm long foam flow.	Each	1188.00
95/18.43	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet : 150 mm diameter	Each	922.00
96/19.4	Providing and laying below ground unplasticised PVC pipe to with stand working pressure of 4 kg/cm2 soild waste pipes conforming to IS:13592 and IS:4985 including jointing with seal ring conforming to IS :5282 leaving 10mm gap for thermal expansion all necessary fittings etc. complete. Excavation to be paid seperately. 110 mm diameter OD (min. wall thickness 3.2mm)	Mts	234.00
97/19.5	Providing and laying cement concrete 1:3:6 (1 cement: 3 sand: 6 graded stone aggregate 20 mm nominal size) all-round PVC. pipes including bed concrete as per standard design:110 mm diameter PVC. Pipe	Mts	576.00
98/19.9	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 sand) R.C.C. top slab with Cement Concrete 1:2:4 mix (1 cement : 2 sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:2:4 mix (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design		
	Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) : With well burnt bricks	Each	18086.00
99/19.31	Constructing soak pit 1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20m long complete as per standard design.	Each	3172.00
100/21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred		
	For fixed portion. Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC15)	Kg	378.00
	For shutters of doors, windows and ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately).		
	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC15)	Kg	446.00
101/21.2	Providing and fixing 12mm thick Pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.		
	Pre-laminated particle board with decorative lamination on both sides.	Sqm	907.00
102/21.11	Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side having 12 mm air gap including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-Charge complete.	Sqm	3103.00
103/13.44	Colour washing such as green, blue or buff to give an even shade: New work (two or more coats) with a base coat of white washing with lime.	Sqm	15.00
104/46	Wall painting by any mechanical or manual means with plastic emulsion paint of approved brand and manufacture to give an even shade: Two or more coats on new work	Sqm	64.00
105/13.50	Finishing walls by any mechanical or manual means with water proofing cement paint of required shade: New work (Two or more coats applied @ 3.84 kg/10 sqm).	Sqm	48.00
106/13.54.1	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/ 10 sqm of approved brand or manufacture	Sqm	69.00
	All Item of SOR as required		

*Rate checked
13/11/10m.*

**SUB ENGINEER
P.W.D. PANNA-I**

**SUB DIVISIONAL OFFICER
P.W.D. SUB DIVISION PANNA-I**

**EXECUTIVE ENGINEER
P.W.D. DIVISION PANNA**