

Abstract of Bill of Quantities

Construction of Rural Livelihood Centre (RLC) at Pragati Nagar and Chaupal in Shimla and City Livelihood Centre (CLC) at Nahan in Himachal Pradesh (SH:- Construction of Building portion including Civil works, Water supply & Sanitary installation, Septic tank, Rain water harvesting and Site development etc.)

Sl. No.	Description	Amount (INR)	
		In Figures	In Words
A	Construction of Rural Livelihood Centre (RLC) at <u>Pragati Nagar</u>.		
	Schedule A1: Civil Works for RLC at Pragati Nagar		
	Schedule A2: Water supply and sanitary installation work for RLC at Pragati Nagar		
	Schedule A3: Electrical work for RLC at Pragati Nagar		
	Schedule A4: Environmental Management and Monitoring for RLC at Pragati Nagar		
B	Construction of Rural Livelihood Centre (RLC) at <u>Chaupal</u>		
	Schedule B1: Civil Works for RLC at <u>Chaupal</u>		
	Schedule B2: Water supply and sanitary installation work for RLC at Chaupal		
	Schedule B3: Electrical work for RLC at Chaupal		
	Schedule B3: Electrical work for RLC at Chaupal		
	Schedule B4: Road / Path work for RLC at Chaupal		
	Schedule B5: Environmental Management and Monitoring work for RLC at Chaupal		
C	Construction of City Livelihood Centre (CLC) at <u>Nahan</u>		
	Schedule C1: Civil Works for RLC at <u>Nahan</u>		
	Schedule C2: Water Supply and Sanitary Installation Works for RLC at <u>Nahan</u>		
	Schedule C3: Environmental Component for RLC at <u>Nahan</u>		
	Schedule C4: Electrical Installation Works for RLC at <u>Nahan</u>		
	Total Bid Price		

Bill of Quantities

A. Construction of Rural Livelihood Centre (RLC) at Pragati Nagar.

Schedule A1: Civil Works for RLC at Pragati Nagar

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
1	Demolition of brick masonry below GL upto any depth including stacking of serviceable material and disposal of unserviceable material including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
1(a)	in cement mortar	41.4			
		Cum			
2	Demolition of brick masonry below GL upto any depth including stacking of serviceable material and disposal of unserviceable material including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
2 (a)	in cement mortar	31.5			
		Cum			
3	Demolition above GL upto floor all level including stacking of serviceable materials and disposal of unserviceable materials including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
3 (a)	un- reinforced concrete floor upto 15 cm thickness	97.4			
		cum			
4	Demolition above GL upto floor two level including stacking of serviceable materials and disposal of unserviceable materials including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
4(a)	RCC Work	0.3			
		cum			
5	Cutting in earth work in all heights and depths in all kinds of soils, including saturated soils comprising of pick work, jumper	24.48			
		Cum			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	work and blasting work both in soft and hard rock with chiseling and wedging out of rock (where blasting is prohibited) and their intermediate classification of soils including, dewatering wherever required, setting out to required lines, levels as shown on the drawing and directed by the engineer - in-charge at site., according to the HP.PWD. specification of 1990 (one thousand nine hundred ninety) volume-I (one) and sorting out useful and un useful material and transportation of the un useful material for disposing at dumping site (To be arranged by the contractor) as per satisfaction of Engineer- in - charge through all modes of transportation including head load ,animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipment and safety measures and incidentals necessary to complete the work by mechanical means and labour (if required). All useful material such as stones, shingles aggregate and slates shall be properly stacked at site to the maximum possible extent in all leads and lifts through all modes of transportation and used /removed as per the direction of the Engineer - in- charge. Any loss to the public and private property during the course of execution and disposal of serviceable and unserviceable materials shall be the absolute responsibility of the contractor and shall have to be duly compensated by him in all respects including all incidental charges.				
6	Excavation in foundation trenches etc. in earth work in all heights and depths in all kinds of soils, including saturated soils comprising of pick work, jumper work and blasting work both in soft and hard rock with chiseling and wedging out of rock (where blasting is prohibited) and their intermediate classification of soils including, dewatering wherever required, setting out to required lines, levels as shown on the drawing and directed by the engineer -in-charge at site., according to the HP.PWD. specification of 1990 (one thousand nine hundred	1186.27 Cum			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	ninety) volume-I (one) and sorting out useful and un useful material and transportation of the un useful material for disposing at dumping site (To be arranged by the contractor) as per satisfaction of Engineer- in -charge through all modes of transportation including head load ,animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipment and safety measures and incidentals necessary to complete the work by mechanical means and labour (if required). All useful material such as stones, shingles aggregate and slates shall be properly stacked at site to the maximum possible extent in all leads and lifts through all modes of transportation and used /removed as per the direction of the Engineer - in- charge. Any loss to the public and private property during the course of execution and disposal of serviceable and unserviceable materials shall be the absolute responsibility of the contractor and shall have to be duly compensated by him in all respects including all incidental charges.				
7	Excavation in drains and channels etc. in earth work including dressing of side ans bed and disposing of excavated earth up to a lead of 20 metres and lift up to 1.5 metres disposed earth to be levelled and neatly dressed:with in a lead of 20 mtr. pick+ jumper 50 % each	130.00			
		Cum			
8	Filling in plinth with sand under floor including watering, ramming, consolidating and dressing complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	85.64			
		Cum			
9	Providing form work with steel plates of 3.15mm (Three decimal fifteen millimeters) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimeters), so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all	313.96			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	heights/depths of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in foundation, footings, bases, of columns and mass concrete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
10	Providing form work with steel plates of 3.15mm (Three decimal one five millimeters) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimeters), so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights/depths of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in flat surfaces such as soffits of suspended floors roofs, landings windows sills, cornices, arches, moulding, corbelling including curved surfaces where ever required as per Architectural drawing and the like floor etc. including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	834.6			
		Sqm			
11	Providing form work with steel plates of 3.15mm (Three decimal fifteen millimeters)thick, welded with angle iron in frames of 30x30x5mm(Thirty into Thirty into Five millimeters),so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights and removal of the same for in-situ reinforced concrete and plain concrete work in vertical surfaces such as walls any thickness partition and the like including attached pilasters, buttresses, plinth and string course and the like including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	220.6			
		Sqm			
12	Providing form work with steel plates of 3.15mm (Three decimal	23.2			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	one five millimeters) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimeters), so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights/depths of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in columns, pillar, posts and struts , including mouldings, cornices etc. including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	Sqm			
13	Providing form work with steel plates of 3.15mm (Three decimal one five millimeters) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimeters), so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights/depths of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in columns, square, rectangular polygonal in plan including mouldings, cornices etc. including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	908.5			
		sqm			
14	Providing form work with steel plates of 3.15mm (Three decimal one five millimeters) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimeters), so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights/depths of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in columns, pillar, posts and struts, circular or curved in plan including mouldings, cornices etc. including carriage of materials within all leads, lifts and	31.1			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
15	Providing form work with steel plates of 3.15mm (Three decimal fifteen millimeters) thick, welded with angle iron in frames of 30x30x5mm(Thirty into Thirty into Five millimeters),so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights and removal of the same for in-situ reinforced plain concrete work in stairs cases with slopping or stepped soffits, excluding, landing including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	171.17			
		Sqm			
16	Providing form work with steel plates of 3.15mm thick welded with angle iron in frames of 30x30x5mm so as to give a fair finish including centring, shuttering, strutting and propping etc. with wooden battens and ballies for all heights of propping and centring below supporting floor to ceiling not exceeding 4 mtrs and removal of the same for in-situ reinforced concrete and plain concrete work in beams, cantilevers, girders, lintels, sides and soffits of beams haunchings, cantilevers, bressumers and lintels in all depths including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1579.65			
		Sqm			
17	Providing form work with steel plates of 3.15mm thick welded with angle iron in frames of 30x30x5mm so as to give a fair finish including centring, shuttering, strutting and propping etc. with wooden battens and ballies for all heights of propping and centring below supporting floor to ceiling not exceeding 4 mtrs and removal of the same for in-situ reinforced concrete and plain concrete work in sloping or battering surfaces i/c folded plates where inclination to horizontal does not exceed 30 degree within all leads, lifts of materials and other incidentals as per approved drawing, design and as directed by the Engineer-	395.52			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	in-Charge including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
18	Providing form work with steel plates of 3.15mm thick welded with angle iron in frames of 30x30x5mm so as to give a fair finish including centring, shuttering, strutting and propping etc. with wooden battens and ballies for all heights of propping and centring below supporting floor to ceiling not exceeding 4 mtrs and removal of the same for in-situ reinforced concrete and plain concrete work in cornices and mouldings including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	40			
		Sqm			
19	Providing form work with steel plates of 3.15mm thick welded with angle iron in frames of 30x30x5mm so as to give a fair finish including centring, shuttering, strutting and propping etc. with wooden battens and ballies for all heights of propping and centring below supporting floor to ceiling not exceeding 4 mtrs and removal of the same for in-situ reinforced concrete and plain concrete work in chullah, hoods, weather shades, chajjas, corbels etc. including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	89.75			
		Sqm			
20	Providing form work with steel plates of 3.15mm thick welded with angle iron in frames of 30x30x5mm so as to give a fair finish including centring, shuttering, strutting and propping etc. with wooden battens and ballies for all heights of propping and centring below supporting floor to ceiling not exceeding 4 mtrs and removal of the same for in-situ reinforced concrete and plain concrete work in vertical fins and vertical sun breakers including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	50.00			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
21	Providing and laying cement concrete 1:6:12 (One cement: Six sand: Twelve graded broken/crushed stone aggregate 40mm (Forty milimetres) nominal size) mechanically mixed and curing complete excluding cost of forms work in foundation and plinth including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	143.57			
		Cum			
22	Providing and laying cement concrete work 1:2:4 (1 cement :2 sand :4 graded crushed stone aggregate 20 mm (twenty milimetre nominal size) mechanically mixed and vibrated including curing complete excluding cost of form work and reinforcement for reinforced concrete work in mouldings as in conices window sill etc. exceeding 15 cm (fifteen centimetre) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	6.00			
		Cum			
23	Providing and laying damp proof course 50 mm thick with cement concrete 1:2:4 (1 Cement: 2 sand: 4 graded stone aggregate 20 mm nominal size) and curing complete	95.54			
		Sqm			
24	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7 kg per square meter on damp proof course after cleaning the piece of cloth lightly soaked in kerosene oil.	95.54			
		Sqm			
25	Providing and laying cement concrete 1:1:5:3 (One cement one and half sand : three graded stone aggregate 20 mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete, in walls (any thickness but not less than 0.1 m thickness) , columns, attached pilasters butresses plinth and string courses etc. from top of foundation level up to all floor level including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	20.5			
		Cum			
26	Providing and laying cement concrete 1:1.5:3 (1 cement: 1.5	173.81			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	sand : 3 graded stone aggregate 20mm.(twenty milimetre nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in foundation, footings, bases of columns and the like and mass concrete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	Cum			
27	Providing and laying cement concrete 1:1.5:3 (1 cement: 1.5 sand : 3 graded stone aggregate 20mm.(twenty milimetre nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in columns, pillars, posts and struts above plinth level upto floor all levels including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	84.24			
		Cum			
28	Providing and laying cement concrete 1:1.5:3 (1 cement: 1.5 sand : 3 graded stone aggregate 20mm. nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in suspended floors, roofs, landings shelves and their supports balconies, beams, girder, bressumers and cantilevers and the like above plinth level upto floor all levels including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	321.39			
		Cum			
29	Providing and laying cement concrete 1:1.5:3 (1 cement: 1.5 sand : 3 graded stone aggregate 20mm.(twenty milimetre nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in stair cases (except spiral stair cases) excluding landing but including preparing of top surfaces and finishing of nosing above plinth level upto floor all levels including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	26.92			
		Cum			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
30	Providing and laying cement concrete 1:1.5:3 (1 cement: 1.5 sand : 3 graded stone aggregate 20mm. (twenty milimetre nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in vertical and horizontal fins (thickness not than 0.10 m thickness) individually or forming box louvers and projected band upto floor all levels including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1.5			
		Cum			
31	Providing reinforced concrete eaves board 25mm (twenty five milimetre) thick and 15cm to 25cm(fifteen centimetre to twenty five milimetre) wide in cement concrete 1:2:4(1 cement :2 sand :4 graded crushed stone aggregate 20 mm(twenty milimetre) nominal size) including curing complete excluding cost of form work and reinforcement.	92.97			
		Cum			
31 (A)	Providing Tor Steel reinforcement for RCC work including bending binding and placing inb position complete,within all leads and lifts and levels including the cost of binding wire.	108998			
		kg			
32	Applying cement slurry on R.C.C. slab or cement concrete work using 2.75 kg. (two decimal seven five kilogram)of cement per sq. metre of floor area before laying cement concrete flooring including roughening, cleaning of the concrete surfaces complete upto floor all levels including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	834.6			
		Sqm			
33	Providing smooth finishing to exposed surface of RCC work in C:M 1:3 (1cement :3 sand) above plinth level upto floor all levels including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	150			
		Sqm			
34	Providing throating or plaster drip and moulding to RCC Chajja	87.8			
		Rmt			
35	2nd class brick masonry using common brunt clay building	78.79			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	bricks in foundation and plinth with cement mortar 1:6 (1 cement :6 sand) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	Cum			
36	2nd class brick masonry using common brunt clay building bricks in super-structure upto all floor level.with cement mortar 1:4 (1 cement :4 sand) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	374.13			
		Cum			
37	2nd class brick masonry using common brunt clay building bricks in foundation and plinth in cement mortar 1:4(1 cement :4 sand) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	20.9			
		Cum			
38	2nd class half brick masonry using common brunt clay building bricks in super-structure above plinth level to floor all level in cement mortar 1:4(1 cement :4 sand) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	171.54			
		Sqm			
39	Random rubble masonry/polygonal rubble masonry (uncoursed brought to courses) with hard stone of approved quality in foundation and plinth including racking out joints in cement mortar 1:6(1 Cement: 6 Sand) i/c levelling up with cement concrete 1:6:12 (One cement; Six sand; Twelve graded broken/crushed stone aggregate 40mm (Forty milimetres) nominal size) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	282.61			
		Cum			
40	Stonework on plain Ashlar Cyclopean in superstructure with stones of approved quality Cement mortar 1:6 (1 cement: 6 sand) at all levels including point with cement mortar 1:2 (1 cement: 2 sand) : including entire carriage of materials in all	72.27			
		Cum			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	leads and lifts and as per the direction of Engineer-in-Charge:-				
41	Extra for stone work in plain Ashlar Cyclopean or Ashlar punched; at all levels Square or rectangular pillars	20			
		Cum			
42	Stonework for wall lining etc (veneer work) 40mm thick, in cement mortar 1:3 (1 cement: 3 sand) including shuttering, centring and pointing with white cement mortar 1:2 (1 white cement: 2 stone dust) with an admixture of pigment matching the stone shade Red sand stone	40			
		Cum			
42 (A)	White and Stone	40			
		sqm			
43	Providing and fixing 35 mm (thirty five milimetre) thick flush shutter , interior grade , commercial type , core or block board construction with rd wood well matched commercial ply veneering, with vertical of grains of cross and face veneers on both faces of shutters including black enamelled M.S. butt hinges including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	174.72			
		Sqm			
44	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors:- Rectangular or square	90.13			
		Sqm			
45	Extra for cutting rebate in flush shutters	190.51			
		Sqm			
46	Providing and fixing wood work in frames of false ceiling partitions etc sawn and put up in position including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge. Second class kail wood.	27.66			
		Cum			
47	Providing and fixing 2nd class teak wood 75X 60 mm(seventy five into sixty milimetre) rounded hand rail in straight length complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	24.68			
		Rmt			
48	Providing and fixing M.S. Plain grill of required patterns in	1676.16			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	wooden frames of window etc with M.S. flats , square or round bar with round handle and nuts including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	Kgs			
49	Providing and fixing anodized aluminium sliding door bolts anodized transparent or dyed to required shade and color with screws etc. complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
	i) 250x16mm(Two hundred fifty into Sixteen milimetres) size	124			
		No.			
50	Providing and fixing aluminium tower bolts (berrel type) anodized transparent or dyed to required shade and colour with screw etc. complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
	i) 250x10mm (Two hundred fifty into ten milimetre)size	292			
		No.			
51	Providing and fixing aluminium handels anodized tramparreut or dyed to required shade and colour with scraw etc. complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
	i) 125 mm (One hundred twenty five milimetre) size	292			
		No.			
52	Providing and fixing anodised aluminium work for doors, windows, ventilators and partitions with standard tubular sections appropriate z sections and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868 (Minimum anodic coating of of grade AC 15), fixed with rawl plugs and screws, including necessary filling gaps at junctions at top bottom and sides with required PVC/neoprene/felt/ silicone sealant;				

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	aluminum sections shall be smooth rust free, straight mitred and jointed mechanically including cleat angle, snap beading CP brass/ stainless steel screws complete as per architectural drawings and directions of the Engineer- in- Charge for fixed and openable sections including neoprene gasket, hinges and other hardware including carriage of materials within all leads, lifts and other incidentals.				
i)	For doors , window and ventilators and glazed partition frames	1691.55			
		Kg.			
53	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc, complete including carriage of materials including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge (cost of aluminum bead shall be paid in basic item).				
i)	Glazing with glass panes of 4 mm (four milimetre)thickness	335.91			
		Kg.			
54	Providing and fixing double action hydraulic floor spring of approved brand and manufacture for aluminium door including cost of cutting floor as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	16			
		No.			
55	Providing and fixing false ceiling with 12 mm(twelve milimetre) thick plain/semi perforated or with design ceiling tiles of BWP type phenol formaldehyde synthetic resin bonded pressed particle board conforming to IS:3087 finished with a coat of aluminium primer on both sides & edges and two coats of synthetic enamel paint of approved quality on exposed face fixed to a grid made out of anodised aluminium(with 15 (fifteen)micron anodic coating) T-sections 35 x15x1.5 mm (thirty five into fifteen into one decimal five milimetre)size main runners and cross runners 23.5x19x1.5 mm (twenty three	377.43			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	decimal five into nineteen into one decimal five milimetre)fixed to main runners placed 600 mm (six hundred milimetre) centre tocentre both ways so as to form a grid of 600 mm square (six hundred square milimetre). The frame work shall be suspended from ceiling by level adjusting hangers of 6 mm dia (six milimetre diametre)M.S rod fixed to roof slab by means of ceiling cleats. The suspenders shall be placed 600x 1200 mm (six hudred into one thousand two hundred milimetre)centre to centre including fixing to the frame with C.P brace screws and applying a priming coat of zinc chromate yellow primer including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge(aluminium frame work shall be paid separately).				
56	Providing and fixing powder coated aluminium work (minimum thickness of powder coating 50 micron) consisting of tee/ angle sections, of approved make conforming to IS : 733 in frames of false ceiling including aluminium angle cleats with necessary C.P. brass/ stainless steel sunk screws, aluminium perimeter angles fixed to wall with stainless steel rawl plugs @ 450 mm (four hundred and fifty milimetre)centre to centre and fixing the frame work to G.I. level adjusting hangers 6 mm dia. (six milimetre diametre)with necessary cadmium plated machine screws all complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge (level adjusting hangers, ceiling cleats and expansion hold fasteners to be paid for separately).	606.64			
		Sqm			
57	Providing and laying cement concrete flooring 1:2:4 (one cement : two sand : four graded stone aggregate 20mm(twenty milimetre) nominal size) laid in one layer finished with a floating coat of neat cement including carriage of materials within all leads, lifts and other incidentals as per approved drawing,				

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	design and as directed by the Engineer-in-Charge.				
i)	40mm (Forty milimetre)thick.	63.74			
		Sqm			
58	22 mm (twenty millimeter) thick cement plaster skirting in all heights with cement mortar 1 :3 (1 cement:3 sand) finished with floating coat of neat cement including rounding of junction with floor upto all floor level including entire carnage of materials upto all leads and lifts and as per the direction of Engineer-in-Charge.	6.83			
		Sqm			
59	Extra for making chequers of approved pattern in cement concrete floors, steps, landings, and pavements.	150			
		sqm			
60	40mm(Fortyty milimetre) thick kota stone slab flooring on 20 mm(twenty milimetre) (average) thickness base cement mortar 1: 4 (1cemewnt :4sand)laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1085.34			
		Sqm			
61	25 mm(twenty five milimetre) thick kota stone slab in risers of steps, skirting and dado on 12mm (twelve milimetre)(average) thickness base cement mortar 1: 3(1cemewnt :3sand)laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	134.31			
		Sqm			
62	Providing and laying granite stone in flooring 20mm average thickness on base of cement mortar 1:3 (1 cement: 3 Sand) and jointed with grey cement slurry mixed with pigment to math the shade of granite stone, i/c rubbing and polishing complete.	14.32			
		Sqm			
63	Providing and laying 10 mm (ten milimetre)thick antiskid water proof strain and impact resistance and heavey duty vitrified tiles	108.28			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	Nitco or equivalent in flooring 600x600mmx10mm (six hundred into six hundred into ten milimetre)size approved shade and colour in flooring ,treads of steps and landings laid on a bed of 12 mm (twelve milimetre) thick cement mortar 1:3 (1cement :3 sand)with cement slurry mixed with pigment to the shade of tiles as required ,all complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
64	Providing and laying Durostone vitrified tiles 300x300x8mm(three into three hundred milimetreinto eight milimetre) gray/colour of required shade in flooring ,treads of steps and landings laid on a bed of 12 mm (twelve milimetre)thick cement mortar 1:3 (1cement :3 sand)with cement slurry mixed with pigment to the shade of flyes as required ,all complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	12.72			
		Sqm			
65	Providing and laying 5.50 mm (five decimal five zero milimetre)thick non skid spartic tiles in flooring 300mmx300mm (three into three hundred milimetre) laid on a bed of 12mm (twelve milimetre) thick cement mortar 1:3 (1cement :3 sand) finished with flush pointing in white cement including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	146.70			
		Sqm			
66	6mm (six milimetre)thick white glazed tiles in skirting and risers of steps laid on a bed of 12mm (twelve milimetre) thick cement mortar 1:3 (one cement : three snad) finishd with flush pointing in white cement including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	290.06			
		Sqm			
67	Providng and Fixing 0.60 mm(zero decimal six zero milimetres) thick prepainted steel sheet in roofing with hot dipped metalic	700.65			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	zinc coated sheet with top coat of regular modified polyster (RMP) organic coating of 20 (Twenty) microns over 5 (Five)microns primer coating to back coat of polyster of 5(five) microns over 5(five) microns primer coating including fixing with preparinted iron J or L hooks, bolts and nuts 6mm (six milimetre)diametre with prepainted limpet and rubber washers complete with all accesories as required as per the Direction of Engineer-in-Charge including carriage of materials within all leads, lifts of materials and other incidentals .				
68	Providng and Fixing ridges or hips 60 cm(Sixty centimetres) overall with 0.60 mm(Zero decimal six zero) thick prepainted steel sheets in roofing with hot dipped metalic zinc coated sheets with top coat of regular modified polyster organic coating of 20 (Twenty)microns over 5 (five)microns primer coating + back coat of polyster of 5(five) microns over 5(five) microns primer coating including fixing with preparinted iron J or L hooks, bolts and nuts 6mm (six milimetre)dia & prepainted G.I. limpet and bitumen washers complete with all accesories as required as per the Direction of Engineer-in-Charge including carriage of materials within all leads, lifts of materials and other incidentals .	100.61			
		Rmt			
69	Providing valley 90cm (Ninety centimetres)over all with 0.60 mm(zero decimal six zero milimetres) thick pre-painted sheet in roofing with hot dipped metallic Zink coated sheets with top coat of regular modified polister organic coating of 20 (Twenty)micron over primer coating +back coat of plaster of 5 (Five)microns priming coating l/c fixing with pre-painted iron J or L hooks ,bolts and nuts 6mm (six milimetre)dia & pre-laminated GI limpet and bitumen washers complete with all accessories as required including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	22.4			
		Rmt			
70	Providing flashing 38cm (Thirty eight centimetres)over all with	107.80			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	0.60 mm(zero decimal six zero milimetres) thick pre-painted sheet in roofing with hot dipped metallic Zink coated sheets with top coat of regular modified .polister organic coating of 20(Twenty) micron over primer coating +back coat of plaster of 5 (five)microns priming coating l/c fixing with pre-painted iron J or L hooks ,bolts and nuts 6mm (six milimetre) dia & pre-laminated GI limpet and bitumen washers complete with all accessories as required including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	Rmt			
71	Providing and fixing on wall face PVC (D-Plast) 150mm (One hundred fifty milimetre) diameter rain water pipes of working pressure not less than 4.5 kg./sqm.(four decimal five kilogram per squaremetres) including filling the joints with approved adhesive complete. The rate is inclusive for carriage of materials within all leads, lifts and other incidentals.	226.00			
		Rmt			
72	Providing and fixing on wall face PVC (D-PLAST) accessories for rain water pipes of working pressure of not less than 4.5 kg/ sqm (four decimal five kilogram per squaremetres)i/c filling the joints with approved adhesive complete :- PVC bend 150 mm dia. (One hundred fifty milimetre) diameter	63			
		No.			
73	Providing and fixing on wall face PVC (D-PLAST) accessories for rain water pipes of working pressure of not less than 4.5 kg/ sqm (four decimal five kilogram per squaremetresi/c filling the joints with approved adhesive complete :- PVC shoe 150 mm dia. (One hundred fifty milimetre) diameter	63.1			
		No.			
74	Providing and laying water proofing treatment with Dr. Fixit FASTFLEX or equivalent with two components polymer modified cementitious coating consisting of cementitious powder and a polymer liquid in two coats for first coat:- clean and saturate surface and then applying a coat of Dr. Fixit - FASTFLEX by maintaining a coverage of 6-7 (six to seven)sf.t per kg. to achieve one mm thickness and the same process shalltended	247.74			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	upto 300 mm (three hundred milimeter) vertically. The second coat shall be applied in opposite direction after four six-hours of application of first coat then sprinkle sand on top surface of applied Dr. Fixit-FASTFLEX while still tacky over the second coat. Then Apply cement mortar 1:4 (one cement: four sand) admixed with 200 ml (two hundred milimeter) of pidiproof LW @ 200 ml (two hundred milimeter) per 50 kg (fifty kilogram) of cement over the floor with the suitable gradient towards drain pipe, while the second coat of Dr. Fixit is still tacky including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
75	Making khurras 45x45 cm (forty five into forty five centimetre) with average minimum thickness of 5 cm (five centimetre) cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm (twenty milimetre) nominal size), finished with 12mm (twelve milimetre) cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the outlet complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	12			
		No.			
76	Steel work welded in built up section, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint in trusses and trussed purlins complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	124.61			
		Qtl.			
77	Steel work welded in built up section, in gratings, framed guard, bar ladders, railing and similar works including cutting, hoisting, fixing in position and applying a priming coat of red lead paint including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	33.95			
		Qtl.			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
78	Providing and fixing angle iron doors, windows, clear storey windows frames (single rebate) manufacture from MS angle section of angle size 50x50x6mm(fifty into fifty into six milimetre) angle M.S. flat 50x4mm (fifty into four milimetre)as per drawing and design including hinges, jambs, lock, jamb bend of required angle threshold of mild steel in the mild steel angle 50x25mm (fifty into twenty five milimetre)welded or rigidly fixed by mechanical means leads with split end ties to neck jambs including steel butt hinges 2.5mm (two decimal five milimetre)thick with provision for locking arrangement and shock as specified and applying a coat of approved steel primer after pretreatment of the surface as per detailed drawing including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	217.4			
		Rmt			
79	Providing and fixing inposition collapsible steel shutter with verticle channels 20x10x2 mm (twenty into ten into two milimetre)with bolts and nuts locking arragments stoppers ,handles i/c applyig primming coat of read paint including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	17.82			
		Sqm			
80	Providing and fixing M.S. tubular frames for windows and ventilators with hollow section as approved including MS flats as shown in drawings to recieve fixed glass ,joints mitred and welded and grinded finish profiles required size with 15x3 mm lugs 10 mm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1cement:3 coarse sand:6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primers, Fixing with 15 x 3 mm lugs 10 cm long embedded in	2267.4			
		Kg.			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	cement concrete block 15x10x10 cm of CC 1:3:6 (1 cement:3 coarse sand : 6 graded stone aggregate 20 mm nominal size.) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
81	Providing & fixing fly proof wire gauze to windows, clerestory windows & door with M.S. flat 15 x 3 mm and nuts & bolts complete. Providing & fixing fly proof wire gauze to windows, clerestory windows & door with M.S. flat 15 x 3 mm and nuts & bolts complete.including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge	68.13			
		Sqm			
82	Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections joints mitred and welded with 16x3.15mm (sixteen into three decimal one five milimetre) lugs 10cm (ten centimetre)long embedded in cement concrete blocks 15cmx10cmx10cm (fifteen into ten into ten centimetre)size of 1:3:6 (one cement : three sand : six graded stone aggregate 20mm (twenty milimetre)nominal size) or with wooden ;lug and screws or sawl plug and screws or with fixing clips or with fixing clips or with bolts and nuts as required and iron fittings including providing and fixing of glass panes with glazing clips and special metal such putty of approved make complete including applying a priming coat of red led paint including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge:- (a) Side hung window	18.18			
		Sqm			
83	Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections joints mitred and welded with 16x3.15mm (sixteen into three decimal one five milimetre)lugs 10cm (ten centimetre) long embedded in cement concrete blocks 15cmx10cmx10cm (fifteen into ten into ten centimetre)size of 1:3:6 (one cement : three sand : six graded	20.4			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	stone aggregate 20mm(twenty milimetre) nominal size) or with wooden ;lug and screws or sawl plug and screws or with fixing clips or with fixing clips or with bolts and nuts as required and iron fittings including providing and fixing of glass panes with glazing clips and special metal such putty of approved make complete including applying a priming coat of red led paint including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge:- (a) Top hung ventilator.				
84	Painting two coats (excluding priming coat) on new wood and wood based bases surfaces with enamel paint to give an even shade i/c cleaning the surface of all dirt, dust and other foreign matter sand papering and stopping including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	455.68			
		Sqm			
85	Applying priming with ready mixed paint brushing wood primer pink over new wood and wood based surfaces after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter sand paper and knotting complete including carriage of materials upto all leads and lifts and as per the direction of Engineer-in-Charge	349.43			
		Sqm			
86	Painting two coats(excluding priming coat) with ready mixed paint other than white on new wood and wood based surfaces,with enamel paint to give an even shade including cleaning the surface of dirt,dust and other foreign matter sand papering and stopping ,including carriage of materials upto all leads and lifts and as per the direction of Engineer-in-Charge.	354.23			
		sqm			
87	6mm (six millimeter)thick cement plaster to ceiling in cement mortar 1:3 (1 cement 3 sand) up to floor all levels including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1042.42			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
88	15mm (fifteen milimetre)cement plaster in single coat on rough side brick/concrete/stone walls for interior plastering up to floor all levels including arises internal rounded angles chamfers and/or rounded angle not exceeding 80mm (eighty milimetre) girth and finished even and smooth in cement mortar 1:6 (1 cement :6 sand) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1723.64			
		Sqm			
89	15mm (fifteen milimetre) cement plaster in single coat on fair side brick/concrete/stone walls for interior plastering up to floor all levels including arises internal rounded angles chamfers and/or rounded angle not exceeding 80mm (eighty milimetre)girth and finished even and smooth in cement mortar 1:6 (1 cement 6 sand) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	3709.19			
		Sqm			
90	Extra over plastring for finishing with a floating coat of neat cement slurry .	89.82			
		Sqm			
91	Extra over plastring for providing and mixing waterproofing materials in cement mortar in proportion recommended by manufacturers.	2970.71			
		Sqm			
92	Pebble dash exterior plaster on wall upto a hight of 10 meter (ten imetre)above ground level with a mixture of washed pebble or crushed stone aggregate 6mm to 12mm (six to twelve milimetre)nominal size over and including fresh cement plaster in two coats , backing coat (10mm cement) plaster 1:3 (1 cement : 3 sand) and finishing coat of 10mm (ten milimetre)cement plaster 1:3 (1 cement :3 sand) mix with 10% finely hydrated lime by volume of cement including arrises, chamfers and rounded angles not exceeding 80mm(eighty milimetre) in girth including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	311.15			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
93	20mm thick plain cement mortar bands in cement mortar 1:4 (1 cement: 4 sand) upto 300 mm width, upto all levels, lifts and leads; as per drawing and directed by Engineer in Charge:- Raised band (moulded cement mortar)	8000			
		Sqm			
94	Pointing on Random rubble uncoursed stone masonry with cement mortar 1:3 (1 cement : 3 sand) Ruled pointing, including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	46.36			
		sqm			
95	Applying Birla white wall care putty over plastered surfaces after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final finish to the surfaces complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	5344.03			
		Sqm			
96	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equivalent on undecorate wall surfaces (two coats) to give even shade and final finish after thoroughly cleaning the surface to remove all dirt , dust and other foreign matter etc. including sand paper smooth complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	2074.36			
		Sqm			
97	Wall painting (two coats) with acrylic emulsion paint of approved brand and manufacture for intior grade on undecorated concrete / stone/ plastered surface to give even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth including applying putty for levelling the surface including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	3358.47			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
98	Distempering with dry distemper of approved brand and manufacture (two coat) and required shade on undecorated wall surface to give an even shade over and including priming coat of whitening after thoroughly brushing the surface free flour mortar dropping and other foreign matter including preparing the surface even and sand papered smooth including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1042.42			
		Sqm			
99	Supplying and filling broken/ crushed stone/ brick bats aggregatee chipping of hard stone of 40 mm size including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	55.13			
		Cum			
100	20 mm cement plaster in two coat backing coat 10 mm and finishing coat 10 mm thick on fair side of brick/stone masonry walls for interior plastering up to floor two level including aamses internal rounded angle chamfers and or rounded angle. Cement mortar 1:4 (1 cement : 4 sand) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	141.75			
		sqm			
101	Supplying and fixing cast iron cover with out frame for main hole for 500 mm internal diameter (medium duty) the weight of cover to be not less than 58 kg including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	6			
		No.			
102	Supplying and fixing cast iron cover with rectangle frame 445 x 610 mm (light duty) single seal pattern of the weight of cover to be not less than 23 kg. including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	4			
		No.			
103	Providing and fixing high pressure PVC spigot and socket waste	7			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	and ventilating pipe ISI marked including fixing with approved adhesive etc complete 110 mm dia. including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	RMT			
104	Providing and fixing PVC Cowl in waste and ventilating pipes ISI marked including fixing with approved adhesive etc complete 110 mm dia. including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	4			
		No.			
105	Providing plinth protection 50mm thick in cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20mm (twenty milimetre) nominal size)including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	75			
		Sqm			
106	Providing under layer for plinth protection of 75mm (seventy five milimetre)thick (un consolidated) bed of dry brick/ stone aggregate 40mm (forty milimetre)nominal size remand consolidated and grouted with fine sand including preparation of ground including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	75			
		Sqm			
107	Brick edging (brick laid on edge) to plinth protection with bricks including grouting with cement motar 1:4 (1 cement : 4 sand) with bricks of size 22.9cm x11.2 cmx 7 cm. (twenty two decimal nine into eleven decimal into seven centimetre)including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	125 Rmt			
Sub-total of Schedule A1: Civil Works for RLC at Pragati Nagar					

Schedule A2: Water supply and sanitary installation work for RLC at Pragati Nagar

			Rate		Amount
S. No	Description of items	Quantity & Unit	In figure	In words	
108	Providing and fixing to wall ceiling and floor galvanised mild steel tubes , including cutting chases in brickwork, stonework , reinforced concrete(Medium grade) tube fittings and clamps including making good the wall , ceiling and floor including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a)15mm(Fifteen milimetres) nominal bore/diameters	150			
		Rmt			
	(b)20mm (Twenty milimetres) nominal bore/diameter	47			
		Rmt			
	(c) 25 mm (Twenty five milimetres) nominal bore/diameter	66			
		Rmt			
	(d) 32 mm nominal bore	28			
		Rmt			
	(e) 40 mm nominal bore	24			
		Rmt			
109	Providing and Laying in trenches galvanised mild steel tubes (medium grade), tube fitting (Earth work in trenches to be measured and paid for separately)including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) 15 mm nominal bore	90			
		Rmt			
	(b) 20 mm nominal bore	50			
		Rmt			
	(c) 25 mm nominal bore	70			
		Rmt			
	(d) 32 mm nominal bore	100			
		Rmt			
	(e) 40 mm nominal bore	70			
		Rmt			

			Rate		Amount
S. No	Description of items	Quantity & Unit	In figure	In words	
110	Fixing water meter and stop-cock in galvanised mild steel tube including necessary fittings such as mild steel galvanised jam nut, socket, etc. cutting and making long screws complete including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge (water metre and stopcock to be measured and paid for separately) :				
	(a) 32 mm (Thirty two milimetres) nominal bore/diameter	1			
		No.			
111	Constructing chamber 300 mm x 300 mm x 500 mm (Three hundred into Three hundred Five hundred milimetre) inside size for stop cock with C.I. surface box 100 mm x 100 mm x 75 mm (inside) (One hundred into One hundred into seventy five milimetre) with hinged cover fixed in cement concrete slab 1:2:4 mix 75 mm (seventy five milimetre) thick 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) finished with a floating coat of neat cement including curing complete including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) With 100 mm (One hundred milimetre) thick walls of brick masonry in cement mortar 1:5 (1 cement : 5 sand)	1			
		No.			
112	Constructing chamber 600 mm x 450 mm x 600 mm (Six hundred into Six hundred into four hundred fifty milimetre) inside size for water mater complete with C.I. double flap surface box 400 mm x 200 mm x 200 mm (in side) (Four hundred into two hundred into two hundred milimetre) with locking arrangement and RCC top slab 1:2:4 mix (1 cement : 2 sand : 4 graded stone aggregate 20 mm nominal size) 100 mm (One hundred milimetre) thick foundation concrete 1:5:10 mix (1 cement : 5 sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 sand) finished with a floating coat of neat cement including curing complete including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				

			Rate		Amount
S. No	Description of items	Quantity & Unit	In figure	In words	
	(a) With 200 mm (two hundred milimetre)thick walls of brick masonry in cement mortar 1:5 (1 cement: 5 sand).	1			
		No.			
113	Providing and filling sand alround the galvanised mild steel tubes and fittings including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	15			
		Cum			
114	Providing and fixing sand cast/cast iron spon spigot and socket soil, waste and ventilating pipes including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge (Lead chaulked joined to be measured and paid for separately):-				
	(a) 50 mm (fifty milimeter)nominal size	5			
		Rmt			
	(b) 75 mm (seventy five milimetre)nominal size	85			
		Rmt			
	(c) 100 mm (one hundred milimetre)nominal size	178.8			
		Rmt			
115	Providing and fixing cast iron holder bats including steel bolts to sand cast iron/cast (spon) iron pipes embeded in and including cement concrete blocks 100 mm x 100 x 100 mm of 1:2:4 mix (1 cement :2 sand : 4 graded stone aggrgate 20 mm nominal size) including cost of cutting holdes and making good the walls and carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) 50 mm (fifty milimeter) nominal diameter/size pipe	1			
		No.			
	(b) 75 mm (seventy five milimetre) nominal diameter/size pipe	5			
		No.			
	(c) 100 mm (one hundred milimetre) nominal diameter/size pipe	76			
		No.			
116	providing and fixing PVC fittings and accessories -				
	(A) Bends of required degree (any radius) :				
	I. With ovel access door insertion rubber washer 2 mm (two milimetre)				

S. No	Description of items	Quantity & Unit	Rate In figure	In words	Amount
	thick, bolts and nuts complete :				
	(i) 50 mm (fifty milimeter)nominal size	2			
		No.			
	(ii) 75 mm (seventy five milimetre) nominal size	2			
		No.			
	(iii) 100 mm (one hundred milimetre)nominal size	32			
		No.			
	(B) Offsets :				
	I. 50 mm (fifty milimeter) nominal size				
	(ii) with 100 mm (one hundred milimetre) projection	4			
		No.			
	(ii) with 100 mm (one hundred milimetre) projection	8			
		No.			
	III. 100 mm (one hundred milimetre) nominal size				
	(ii) 100 mm (one hundred milimetre) nominal size	8			
		No.			
	(C) Single equal branch of required degree:				
	I. With ovel access door insertion rubber washer 3 mm (three milimetr)thick, bolts and nuts complete :				
	(iii) 100 mm (one hundred milimetre) nominal size	8			
		No.			
	II. Plain :				
	(iii) 100 mm (one hundred milimetre) nominal size	8			
		No.			
	(D) Double equal branch of required degree:				
	I. With ovel access door insertion rubber washer 3 mm(three milimetr)thick, bolts and nuts complete :				
	(iii)100 mm (one hundred milimetre) nominal size	8			
		No.			
	II. Plain :				

S. No	Description of items	Quantity & Unit	Rate In figure	In words	Amount
	(iii) 100 mm (one hundred milimetre) nominal size	8			
		No.			
	(E) Single unequal branch of required degree:				
	I. With ovel access door insertion rubber washer 3 mm (three milimetr)thick, bolts and nuts complete :				
	(iii) 100 mm x 75 mm (one hundred into seventy five milimetre)nominal size	8			
		No.			
	II. Plain :				
	(ii) 100 mm x 50 mm (one hundred into fifty milimetre)nominal size.	4			
		No.			
	(iii) 100 mm x 75 mm (one hundred into seventy five milimetre) nominal size	8			
		No.			
	(F) Double unequal branch of required degree:				
	I. With ovel access door insertion rubber washer 3 mm thick, bolts and nuts complete :				
	(iii) 100 mm x 75 mm x 75 mm nominal size	8			
		No.			
	II. Plain :				
	(iii) 100 mm x 75 mm x 75 mm (one hundred into seventy five into seventy five milimetre)nominal size	8			
		No.			
	(G) Inverted branch, socket type of required degree:				
	(ii) 100 mm x 100 mm (one hundred into one hundred milimetre)nominal size	8			
		No.			
	(iii) 100 mm x 50 mm (one hundred into fifty milimetre)nominal size	8			
		No.			
	(H) Inverted branch, spigot type of required degree:				
	(ii) 100 mm x 100 mm (one hundred into one hundred milimetre)nominal size	8			
		No.			
	(iii) 100 mm x 50 mm (one hundred into fifty milimetre) nominal size	8			
		No.			
	(I) Traps without lit sizes:				
	(ii) 75 mm(seventy five milimetre) nominal size	8			

S. No	Description of items	Quantity & Unit	Rate In figure	In words	Amount
		No.			
	(iii) 100 mm (one hundred milimetre)nominal size	8			
		No.			
	(J) Ovel access door insertion rubber washer 3 mm thick, bolts and nuts complete :				
	(ii) 75 mm (seventy five milimetre) nominal size	8			
		No.			
	(iii) 100 mm (one hundred milimetre) nominal size	8			
		No.			
	(K) Diminishing piece:				
	(ii) 100 mm x 50 mm (one hundred into fifty milimetre)nominal size	8			
		No.			
	(iii) 100 mm x 75 mm (one hundred into seventy five milimetre)nominal size	8			
		No.			
	(L) Straight inspection piece:				
	With ovel access, floor, insertion rubber washer 3 mm thick, bolts and nuts complete :				
	(ii) 75 mm(seventy five milimetre) nominal size	8			
		No.			
	(iii) 100 mm (one hundred milimetre) nominal size	8			
		No.			
	(M) Loose Socket:				
	(ii) 75 mm(seventy five milimetre) nominal size	8			
		No.			
	(iii) 100 mm (one hundred milimetre) nominal size	8			
		No.			
	(N) Collar:				
	(ii) 75 mm(seventy five milimetre) nominal size	8			
		No.			
	(iii) 100 mm (one hundred milimetre) nominal size	8			
		No.			
	(O) Pass over pipe 50 mm(fifty milimetre) nominal size	8			

S. No	Description of items	Quantity & Unit	Rate In figure	In words	Amount
		No.			
	(P) Sanitary connections.				
	(i) S. Branch 100 mm(one hundred milimetre) nominal size	8			
		No.			
	(ii) Branch 100 mm(one hundred milimetre) nominal size	8			
		No.			
	(iii) Band 100 mm (one hundred milimetre)nominal size	8			
		No.			
	(Q) Single unequal branch of required degree:				
	I. With Heel Rest				
	(ii) 75 mm(seventy five milimetre) nominal diameter	8			
		No.			
	(iii) 100 mm (one hundred milimetre)nominal diameter	8			
		No.			
	(R)Tapar:				
	(ii)100 mm x50 mm (one hundred into fifty milimetre)nominal diameter	8			
		No.			
	(iii) 75 mm x 75 mm (seventy five into seventy five milimetre) nominal diameter	8			
		No.			
	(S) Connector plug (stopper):				
	(ii) 75 mm (seventy five milimetre)nominal diameter	8			
		No.			
	(iii) 100 mm (one hundred milimetre)nominal diameter	8			
		No.			
117	Providing lead caulked joints to sand cast iron cast (spun) iron pipes and fitting including testing of joints including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(ii) 75 mm (seventy five milimetre)nominal diameter	8			
		No.			
	(iii) 100 mm (one hundred milimetre)nominal diameter	8			
		No.			

			Rate		Amount
S. No	Description of items	Quantity & Unit	In figure	In words	
118	Providing and fixing M.S. stay and clamps for sand cast iron cast (spun) iron pipes including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(ii) 75 mm (seventy five milimetre)nominal diameter	8			
		No.			
	(iii) 100 mm (one hundred milimetre) nominal diameter	8			
		No.			
119	Providing and fixing cast iron floor trap of self cleaning design with sand cast iron screwed down or hinged grating with out vent arm complete including cost of cutting and making goods the wells and floors including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(ii) 75 mm (seventy five milimetre)nominal diameter	25			
		No.			
120	Cutting chase in stone/brick masonry walls for fixing sand cast iron/cast (spun iron pipes and fittings including making good the same with stone/brick work in cement mortar 1:3 (1 cement :3 sand) including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(ii) For 75 mm (seventy five milimetre)nominal diameter	50			
		No.			
	(iii) For 100 mm (one hundred milimetre)nominal diameter	80			
		No.			
120(a)	Providing and fixing vitreous China water closet squatting pan (Indain type W.C. pan) size 580 mm (Earth work, bed concrete, foot rest and trap to be measured and paid for separately:				
	(ii) Orrissa Pattern	4			
		no.			
121	Providing and fixing vitreous China wash, down water closet (European type. W.C.pan) with integral 'p' or 's'trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement: 1 sand) including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge (Seat and over to be measured and				

			Rate		Amount
S. No	Description of items	Quantity & Unit	In figure	In words	
	paid for separately):				
	(i) Ordinary closet	14			
		No.			
122	Providing and fixing 100 mm (one hundred milimetre) size 'P' or 'S' trap for water closet (squatting pan) including jointing the trap with the pan and soil pipe in cement mortar 1:1 (1 cement:1 sand) including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(i) Vitreous China	18			
		No.			
123	providing and fixing 10.00(ten)litres vitreous China low level flushing cistern with a pair of C.I. or mild steel brackets, complete with fitting such as lead valve less syphon, 15 mm (fifteen milimetre)nominal size brass ball valve with polygthene float, C. P. Brass handle unions and couplings for connections with inlet, outlet and overflow pipes, 40 mm (forty milimetre)dia C.P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge(overflow pipe to be treasured and paid for separately):	18			
		No.			
124	Providing and fixing plastic seat (solid/Hollow type) cover for wash down water closet with C.P. Brass hinges and rubber buffers including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(b) Black plasticse at and cover	14			
		No.			
125	Providing and fixing vitreous China wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fittings including carriage of materials within all leads, lifts and other incidentals and as directed by				

			Rate		Amount
S. No	Description of items	Quantity & Unit	In figure	In words	
	the Engineer-in-Charge:				
	(a) Flat back:				
	(ii) 550 mm x 400 mm size (Five Hundred Fifty milimetre into Four Hundred milimetre) nominal size	18 No.			
126	Providing and fixing laboratory sink with C.I. or M.S. brackets painted white including cutting holes in walls and making good the same but excluding fittings including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) Vitreous China:				
	(iii) 500 mm x 350 mm x 150 mm (Five Hundred milimetre into Three Hundred Fifty milimetre into One Hundred milimetre) nominal size	2 No.			
127	Providing and fixing C. P. Brass Waste for wash basin or sink including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(b) 40 mm (Forty milimetre) dia size	20 No.			
128	Providing and fixing C. I. Union for for wash basin or sink including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(b) 40 mm dia (Forty milimetre) size	20 No.			
129	Providing and fixing C. P. Brass S trap for wash basin or sink including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(b) 40 mm (Forty milimetre) dia size	20 No.			
130	Providing and fixing C. P. Bottle trap for wash basin or sink including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(b) 40 mm dia (Forty milimetre) size	20			

			Rate		Amount
S. No	Description of items	Quantity & Unit	In figure	In words	
		No.			
131	Providiing and fixing 100 mm (Hundred milimetre) sand cast iron grating for gully, floor or Nahni Trap including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	35 No.			
132	Providing and fixing 600 mm x 450 mm (Six Hundred milimetre into Four Hundred Fifty milimetre) bevelled edge mirror of superior glass mounted on 6 mm thick A.C. sheet or plywood sheet and fixed to wooden plugs with C.P. Brass screws and washers including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	16 No.			
133	Providing and fixing C.P. brass Towell rail complete with C.P. brass brackets fixed to wooden plugs with C.P. brass including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(i) 750 mm x 20 mm (Seven Hundred Fifty milimetre into Twenty milimetre) size	4 No.			
134	Providing and fixing soap trays (Vitreous China):				
	(i) Recessed soap tray 150 mm x 150 mm . (One Hundred Fifty milimetre into One Hundred Fifty milimetre) size	12 No.			
135	Providing and fixing C. P. Brass shower rose with 15 mm or 20 mm inlet including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(ii) 15 mm dia size (Fifteen milimetre)	5 No.			
136	Providing and fixing Robe hook (Vitreous China).	30 No.			
137	Providing and fixing Division Plate for Urinals 600 mm x 300 mm (Six Hundred milimetre into Three Hundred milimetre Vitreous China including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	11 No.			
138	Providing and fixing :				

			Rate		Amount
S. No	Description of items	Quantity & Unit	In figure	In words	
	(i) C.P. brass Bib tap with Capstan head:				
	(a) 15 mm (Fifteen milimetre) dia size	35			
		No.			
	(ii) C.P. brass Pillar tap with Capstan head:				
	(a) 15 mm (Fifteen milimetre) dia size	20			
		No.			
139	Providing and fixing Brass stop cocks including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) 15 mm (Fifteen milimetre) dia size	10			
		No.			
	(d) 32 mm (Thirty Two milimetre) dia size	4			
		No.			
	(e) 40 mm (Forty milimetre) dia size	4			
		No.			
140	Providing and fixing CP Brass Angle valve 15 mm (Fifteen milimetre) without nuts and pipes including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	86			
		No.			
141	Providing and fixing 15 mm (Fifteen milimetre) mixer for kitchen sink with top/bottom winging spout including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	2			
		No.			
142	Providing and fixing one hole basin mixing faucet including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	14			
		No.			
143	Providing and fixing wall maxing Faucet for shower and Bath with overhead pipe and bath shower including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	5			
		No.			
144	Providing and fixing wall bath shower including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	5			
		No.			
145	Providing and fixing :				

			Rate		Amount
S. No	Description of items	Quantity & Unit	In figure	In words	
	(a) 15 mm (Fifteen milimetre) spout with Aerator	8			
		No.			
	(d) 20 mm (Twenty milimetre) spout with Aerato	8			
		No.			
146	Painting G.I. Pipes and fittings with two coats of anticorrosive bitumastic paint of approved quality including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(d) 32 mm (Thirty Two milimetre) diameter pipe	30			
		Rmt			
	(e) 40 mm (Forty milimetre) diameter pipe	24			
		Rmt			
147	Providing and filling sand all-round the G.I. Pipe in external work :-				
	(e) 40 mm (Forty milimetre) diameter pipe	30			
		Rmt			
148	Providing and fixing white glazed fireclay stall urinal with automatic C.I. Flushing cistern (of approved make) with fittings R.S. or C.I. Brackets standard size C.P. brass flush pipe spreaders with unions and clamps (all in C.P. brass) C.I. Trap with outlet grating and other coupling in C.P. brass including painting of cistern and fittings, cutting and making good the walls and floors where required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) Single stall Urinal with 5 litres (Five liters) C.I. automatic flushing cistern.	3			
		No.			
	(b) Range of Two stall Urinals with 10 litres(Ten liters) C.I. automatic flushing cistern.	2			
		No.			
	(c) Range of Three stall Urinals with 15 litres C.I. automatic flushing cistern.	2			
		No.			
149	Providing and fixing P.V.C. Connection pipe with brass unions including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) 300 mm (Three Hundred milimetre) Length :-				

			Rate		Amount
S. No	Description of items	Quantity & Unit	In figure	In words	
	(i) 15 mm (Fifteen milimetre) nominal bore	5			
		No.			
150	Providing and fixing brass ball valve (horizontal plunger type) including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) High pressure with polythene plastic floats:				
	(i) 15 mm(Fifteen milimetre) nominal bore	15			
		No.			
151	Providing and fixing ferrule including boring and taping the main including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(d) 32 mm (Thirty Two milimetre) nominal bore	1			
		No.			
152	Painting two coats on G.I. pipes and fittings with white paint over a coat of ready mixed priming coat both of approved quality for new work including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) 15 mm (Fifteen milimetre) size	15			
		Rmt			
	(b) 20 mm (Twenty milimetre)size	20			
		Rmt			
	(c) 25 mm (Twenty Five milimetre) size	15			
		Rmt			
	(d) 32 mm (Thirty Two milimetre) size	15			
		Rmt			
	(e) 40 mm (Forty milimetre) size	10			
		Rmt			
153	Providing and fixing PVC water storage tank of ISI : 12701 marked, G.I. inlet and outlet connection, 15mm (Fifteen milimetre) nominal bore ball valve and mosquito proof PVC cover with locking arrangement including hoisting up to all heights above ground level including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				

			Rate		Amount
S. No	Description of items	Quantity & Unit	In figure	In words	
	(iii) 2000 litres(Two Thousand litres) net capacity tank	4			
		No.			
154	Providing and fixing stoneware gully trap grade 'A' complete with CI grating , brick masonry chamber in cement mortar 1:5 and water tight CI cover with frame of size 300mm x 300mm (inside) the weight of the cover to be not less than 4.53 kg and thr frame to be not less than 2.78 kg.including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(1) Square mouth traps				
	(vi) 180mm x 150mm (One Hundred Eighty milimetre into One Hundred Fifty milimetre) P or R type	12			
		No.			
	(2) Round mouth traps				
	(iv) 150mm x 150mm (One Hundred Fifty milimetre into One Hundred milimetre) S type	6			
		No.			
155	Providing and laying (to level or slopes) and jointing with of cement mortar inthe proportion of 1:1 (1 cement : 1 sand) salt glazed stoneware pipes grade 'A' of the following internal diameters including testing of pipes and joints complete:				
	(i) 100 mm (One Hundred milimetre)	10			
		Rmt			
	(ii) 150 mm (One Hundred Fifty milimetre)	126			
		Rmt			
	(iii) 250 mm (Two Hundred milimetre)	163			
		Rmt			
156	Constructing manhole with RCC top slab in 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) inside plastering 15 mm 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 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete including curing and testing including carriage of materials within all leads, lifts				

			Rate		Amount
S. No	Description of items	Quantity & Unit	In figure	In words	
	and other incidentals and as directed by the Engineer-in-Charge:				
	(i) Inside size 800mm x 800mm and 500 mm (Eight Hundred milimetre into Eight Hundred milimetre and Five milimetre) deep including C.I. cover with frame (light duty single seal:pattern I) 455x610 mm (Four Hundred Fifty Six milimetre into Six Hundred Ten milimeter internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg):				
	with 230 mm (Two Hundred Thirty milimetre) thick walls of brick masonry using common burnt clay building bricks in cement mortar 1:3 (1 cement: 3 sand)	26 No.			
	(ii) Inside size 800mm x 800mm (Eight Hundred milimetre into Eight Hundred milimetre) and 1.0 metre deep including C.I. cover with frame (light duty single seal:pattern I) 455x610 mm (Four Hundred Fifty Six milimetre into Six Hundred Ten milimetre) internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg):				
	with 230 mm(Two Hundred Thirty milimetre) thick walls of brick masonry using common burnt clay building bricks in cement mortar 1:3 (1 cement: 3 sand)	27 No.			
157	Providing 200mm wide cast iron rungs with chequered or ribbed non slip surface including fixing in manholes with 200mm x 200mm x 100mm cement concrete 1:3:6(1 cement: 3 sand: 6 graded stone aggregate 20mm nominal size)including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	120 No.			

			Rate		Amount
S. No	Description of items	Quantity & Unit	In figure	In words	
158	Making connections of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 (1cement:2 sand: 4 graded stone aggregate 20mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement: 3 sand) finished with a floating coat of neat cement and making necessary channels with cement concrete 1:2:4 (1cement:2 sand: 4 graded stone aggregate 20mm nominal size) for the drain complete including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(i) for pipes 100mm to 150 mm(One Hundred milimetre to One Hundred Fifty milimeter) internal dia/ nominal size.	4			
		No.			
	(ii) for pipes 250mm to 300 mm(Two Hundred Fifty milimetre to Three Hundred milimetre) internal dia/ nominal size.	15			
		No.			
	Sub-total of Schedule A2: Water supply and sanitary installation work for RLC at Pragati Nagar				

Schedule A3: Electrical work for RLC at Pragati Nagar

S No	Description	Quantity & Unit	Rate		Amount
			In figure	In words	
	Internal Electrical Works				
159	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with modular switch, modular plates, suitable GI box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	Group-C	320			
		No			
160	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with 2-way, 5/6 amps. modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	Group-C	6			
		No.			
161	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No. HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required. 2x1.5 Sq. mm.including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	2800			
		Rmt			
162	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat	3000			

S No	Description	Quantity & Unit	Rate		Amount
			In figure	In words	
	resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	Rmt			
163	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	200			
		Rmt			
164	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
165	2x1.5 Sq. mm.	1000			
		Rmt			
165.02	2*6 Sq mm.	200			
		Rmt			
166	Wiring for circuit / sub-main with 4x10 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.10 Sq.mm. (4x10+2x10)HRFRLS/PVC insulated single core copper conductor cable for earthing as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	160			
		Rmt			

S No	Description	Quantity & Unit	Rate		Amount
			In figure	In words	
167	Supplying and drawing following pair of Fire Retardant, PVC insulated 0.5 sq.mm. (FR-Flexible) copper conductor, flat, unarmoured, telephone cable in existing surface / recessed, steel / PVC conduit as required. 2 Pair including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	600			
		Rmt			
168	Supplying and drawing LAN cable CAT 5E, solid copper conductor protected with PVC sheath in the existing surface / recessed, steel / PVC conduit as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	300			
		Rmt			
169	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required:- 20 mm dia including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	1000			
		Rmt			
169.01	25 mm dia	400			
		Rmt			
170	Supplying & fixing of G.I. modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
170.01	2 modules (78mmx78mmx50mm	120			
		No.			
170.02	4 modules(140mmx78mmx50mm	70			
		No.			
170.03	6 modules(205mmx78mmx50mm	10			
		No.			
171	Supplying and fixing following rating Modular switch /socket on the existing switch box / cover including connections etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
171.01	S.P. 5/ 6 Amps one way switch, Modular Switch	120			

S No	Description	Quantity & Unit	Rate		Amount
			In figure	In words	
		No.			
172.02	S.P. 5/ 6 Amps Two way switch, Modular Switch	12			
		No.			
173.03	S.P. 15/ 16 Amps one way switch, Modular Switch	120			
		No.			
173.04	5 pin 5/ 6 Amps Modular Socket Outlet.	180			
		No.			
173.05	5 pin 15/ 16 Amps Modular Socket Outlet.	80			
		No.			
173.06	Telephone Socket Outlet,Modular	20			
		No.			
174	Data Outlet	36			
		No.			
175	Supplying & fixing following size modular base and cover plate on the existing modular metal boxes as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
175.01	Modular base and cover plate, 2 module	120			
		No.			
175.02	Modular base and cover plate, 4 module	70			
		No.			
175.03	Modular base and cover plate, 6 module	10			
		No.			
176	Supplying & fixing Modular blanking plate on the existing modular metal box as required:-	20			
		No.			
177	Supplying and fixing stepped type Modular fan regulator on the existing modular box including making connections etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	50			
		No.			
178	Supplying and fixing ceiling rose on the existing junction box/wooden block including connections etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	20			
		No.			

S No	Description	Quantity & Unit	Rate		Amount
			In figure	In words	
179	Carriage of ceiling fan and regulator/exhaust fan from store to site including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	50			
		No.			
180	Numbering of ceiling fan and regulator/ exhaust fan /fluorescent fitting as required and as directed by the Engineer-in-Charge:	70			
		No.			
181	Extra for fixing the louvers/shutters complete with frame for exhaust fans of all sizes as required:-	20			
		No.			
182	Supplying and erection of following depth sheet metal cubical pedestal of suitable dimensions with plus-minus 5 cm variation, made from 1.6 mm thick M.S. sheet duly fabricated in a segregated manner for housing of switch fuse units, by welding each compartment on five sides & front side hinged, complete with locking arrangement, with sufficient No. vertical and horizontal intermediate switchgear housing compartments. The cubical pedestal shall have cable entry box at one or two sides, with epoxy powder coated approved paint and bonding to the existing earth etc. The same shall be erected in the 1:2:4 cement concrete plat-form of suitable dimensions 15 cm high from ground level and 45 cm thick. The cubical pedestal shall be 15 cm from the top of cement concrete plat-form:-				
182.01	300 mm deep (nominal)	10			
		psq/m			
182.02	Supplying and fixing aluminium alloy or wrought aluminium strip bus-bars suitable for 200Amp. 415 volts capacity 4 No. each of cross-ectional area(38mmx6mm),in the existing enclosure or cubical panel with allaccessories including connections etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	3			
		Rmt			
183	Supplying and fixing copper strip bus-bars suitable for 100 Amp. 240 volts capacity 2 No. each of cross-sectional area (25.4mmx3.17mm),in the existing enclosure with all accessories including connections etc. as required	2.4			
		Rmt			

S No	Description	Quantity & Unit	Rate		Amount
			In figure	In words	
184	Providing and fixing following rating and breaking capacity MCCB in the existing cubical panel board including drilling holes in the cubicle anel, making connections, etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
184.01	40/100 Amp. -16 KA	4			
		No.			
184.02	125 Amp. -16 KA	2			
		No.			
185	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
185.02	Single pole. Cat-B.	36			
		No.			
186	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
186.01	Double pole. Cat-A.	14			
		No.			
186.02	Triple Pole Cat-B TPN	10			
		No.			
187	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
187.01	25 Amps. Cat-A.	2			
		No.			
188	Supplying and fixing 20 Amps, 240 volts, SPN industrial socket	18			

S No	Description	Quantity & Unit	Rate		Amount
			In figure	In words	
	outlet, 2-pole & earth, metal enclosed plug top, sheet steel enclosure, suitable to accommodate a 20 Amp SPN-MCB/DP, on surface or in recess, with chained metal cover for the socket outlet, complete with connections, testing and commissioning etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	No.			
189	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus- bar, wireset, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
189.01	Double door-12 way	4			
		No.			
189.02	Double door-8 way	6			
		No.			
190	Supplying and fixing of following way triple pole and neutral, sheet steel MCB distribution board, 415 volts, on surface / recess, with provision to mount 8 module incomer, 2 module sub-incomer and SP MCBs as outgoing, complete with tinned copper bus- bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
190.01	Double door-2+6 way (8+6+18),horizontal type	4			
		No.			
190.02	Double door-2+8 way (8+6+24),horizontal type	2			
		No.			
191	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia including accessories and providing masonry enclosure with cover plate	6			
		per set			

S No	Description	Quantity & Unit	Rate		Amount
			In figure	In words	
	having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
192	Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	6			
		per set			
193	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess for loop earthing as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	20			
		Rmt			
194	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess for loop earthing along with existing surface/recessed conduit/sub-main wiring/cable as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	300			
		Rmt			
195	Providing and fixing of lightning conductor finial, made of 25 mm dia. 300 mm long copper tube, having single prong at top, with 85 mm dia 3 mm thick copper base plate including holes etc. complete as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	4			
		No.			
196	Riveting, sweating and soldering of copper/ G.I. tape (with another copper/G.I. tape, base of the finial or any other metallic object) as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	50			
		No.			
197	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required (for vertical run) including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	40			
		No.			
198	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required (for horizontal run) including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	400			
		Rmt			

S No	Description	Quantity & Unit	Rate		Amount
			In figure	In words	
199	Providing and fixing M.V.danger notice plate of 200 mm x 150 mm made of mild steel at least 2 mm thick, and vitreous enameled white on both sides and with inscription in signal red color on front side as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	4 No.			
200	Providing and laying of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground; to be laid 1 meter below the ground level including excavation sand cushioning, protective covering and refilling the trench etc. of the required size including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
200.01	Armoured cable 4 sq. mm (twin core)	700			
		Rmt			
200.02	Armoured cable 6 sq. mm (twin core)	30			
		Rmt			
200.03	Armoured cable 16 sq. mm (four core)	100			
		Rmt			
200.04	Armoured cable 35 sq. mm (3.5 core)	100			
		Rmt			
201	Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
201.01	Armoured cable 4 sq. mm (twin core)	60			
		Rmt			
201.02	Armoured cable 6 sq. mm (twin core)	10			
		Rmt			
201.03	Armoured cable 16 sq. mm (four core)	30			
		Rmt			
201.04	Armoured cable 35 sq. mm (3.5 core)	20			
		Rmt			

S No	Description	Quantity & Unit	Rate		Amount
			In figure	In words	
202	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Nonreturn valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
202.01	10 Liter capacity water heater (Cat-A)	10			
		No.			
203	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
203.01	Ceiling Fan 1200 mm sweep, Category-A	50			
		No.			
204	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
204.01	Exhaust Fan, Heavy duty, 300 mm sweep	24			
		No.			
205	Supplying and fixing of bulk head fitting of all sizes and shapes, containing one No. thread type CFL lamp holder (s), complete with all accessories but excluding CFL lamp including making connections, testing etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				

S No	Description	Quantity & Unit	Rate		Amount
			In figure	In words	
205.01	Bulk head fitting, CFL type (Category-A)	20 No.			
206	Supplying and fixing of fancy wall bracket containing thread type CFL lamp holder (s) of all sizes and shapes, complete with all accessories but excluding CFL lamp including making connections, testing etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
206.01	Fixed Type wall bracket 150 dia, single lamp.(Category-A)	20 No.			
207	Providing and fixing of following type of surface mounting with white finished housing powder coated square and round type LED Luminaire complete with all accessories connections, testing and commissioning etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
207.01	LCDSPL-R-12 W-CDL (Crompton)	42 No.			
207.02	LCDSPL-S-18 W-CDL (Crompton)	142 No.			
208	Providing and fixing of following type of recess mounting with high power factor square and round type LED Luminaire complete with all accessories connections, testing and commissioning etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
208.01	LSCRM-12 W-CDL/NW/WW (Crompton)	6 No.			
208.02	LSCSM-18 W-CDL/NW/WW (Crompton)	54 No.			

S No	Description	Quantity & Unit	Rate		Amount
			In figure	In words	
209	Supplying and erection of Galvanized Iron (G.I.) pipe pole 'A' quality of suitable length and dia. 4.47 mm thickness, including fixing up to a given depth below G/L. The hole of excavation about 30 cm dia. and given depth to be filled in up to 15 cm below G/L with 1:3:6 cement concrete and there above plinth with 1:2:4 cement concrete up to a height of 45 cm from G/L. The radial thickness of the plinth above G/L should not be less than 6.35 cm and sufficient to completely flush a 180 mmx100 mmx 45 mm deep, glass filled Nylon F.R. grade box for housing a 16 Amp. MCB, the outer surface of the plinth to be finished with 1:3 cement plaster 6 mm thick, the fuse-box shall have a water tight cover, including painting of pole with two coats of approved color, brand and manufacture of paint over a priming coat complete in all respects as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
209.01	4 Meter long having nominal bore dia. 65 mm planting depth 80 cm with pit depth 95 cm.	6			
		No.			
210	Supplying and fixing of integral CFL Post Top Lantern of following capacity, cast aluminium spigot, spun aluminium canopy, opal acrylic diffuser, complete with all accessories but excluding CFL lamp including making connections, testing etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
210.01	Gate post top lantern - CFL 26 watt.	10			
		No			
	Sub total Total of Internal Electrical Works				
	Electrical work (External)				
211	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	110			
		Rmt			
212	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess for loop earthing along with existing surface/recessed conduit/sub-main wiring/cable as required.	110			
		Rmt			

S No	Description	Quantity & Unit	Rate		Amount
			In figure	In words	
213	Providing and laying of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground; to be laid 1 meter below the ground level including excavation sand cushioning, protective covering and refilling the trench etc. of the required size:-				
213.01	Armoured cable 6 sq. mm (twin core)	110			
		Rmt			
214	Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size:-				
214.01	Armoured cable 6 sq. mm (twin core)	10			
		Rmt			
215	Supplying and erection of Galvanized Iron (G.I.) pipe pole 'A' quality of suitable length and dia. 4.47 mm thickness, including fixing up to a given depth below G/L. The hole of excavation about 30 cm dia. and given depth to be filled in up to 15 cm below G/L with 1:3:6 cement concrete and there above plinth with 1:2:4 cement concrete up to a height of 45 cm from G/L. The radial thickness of the plinth above G/L should not be less than 6.35 cm and sufficient to completely flush a 180 mmx100 mmx 45 mm deep, glass filled Nylan F.R. grade box for housing a 16 Amp. MCB, the outer surface of the plinth to be finished with 1:3 cement plaster 6 mm thick, the fuse-box shall have a water tight cover, including painting of pole with two coats of approved color, brand and manufacture of paint over a priming coat complete in all respects as required:-				
215.01	4 Meter long having nominal bore dia. 65 mm planting depth 80 cm with pit depth 95 cm.	8			
		No.			
216	Supplying and fixing of integral CFL Post Top Lantern of following capacity, cast aluminium spigot, spun aluminium canopy, opal acrylic diffuser, complete with all accessories but excluding CFL lamp including making connections, testing etc. as required.				
216.01	Gate post top lantern - CFL 26 watt.	10			
		No.			

S No	Description	Quantity & Unit	Rate		Amount
			In figure	In words	
	Sub Total of External Electrical Works				
	Sub total of Schedule A3: Electrical work for RLC at Pragati Nagar (Internal and External Electrical Works)				

Schedule A4: Environmental Management and Monitoring for RLC at Pragati Nagar

S No	Description	Quantity & Unit	Rate		Amount
			In figure	In words	
	Construction phase				
217	Air Quality - one location at construction site, thrice a year (one sample pre construction and 6 samples during construction phase; total 7 samples)	7 Sample			
218	Water Quality- One ground water sample from construction site (one sample pre construction and 6 samples during construction phase; total 7 samples)	7 Sample			
219	Noise Quality-One location at project site (one sample pre construction and 6 samples during construction phase; total 7 samples)	7 Sample			
	During defect liability period				
220	Air Quality -one location at CLC site, during the Defect Liability Period	3 Sample			
221	Water Quality -one ground water sample at CLC site, during Defect Liability Period.	3 Sample			
222	Noise Quality- one location at CLC site, during Defect Liability Period.	3 Sample			
	Subtotal of Schedule A4: Environmental Management and Monitoring for RLC at Pragati Nagar				

B. Construction of Rural Livelihood Centre (RLC) at Chaupal**Schedule B1: Civil Works for RLC at Chaupal**

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
1	Cutting in earth work in all heights and depths in all kinds of soils, including saturated soils comprising of pick work, jumper work and blasting work both in soft and hard rock with chiseling and wedging out of rock (where blasting is prohibited) and their intermediate classification of soils including, dewatering wherever required, setting out to required lines, levels as shown on the drawing and directed by the engineer -in-charge at site., according to the HP.PWD. specification of 1990 (one thousand nine hundred ninety) volume-I (one) and sorting out useful and un useful material and transportation of the un useful material for disposing at dumping site (To be arranged by the contractor) as per satisfaction of Engineer- in -charge through all modes of transportation including head load ,animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipment and safety measures and incidentals necessary to complete the work by mechanical means and labour (if required). All useful material such as stones, shingles aggregate and slates shall be properly stacked at site to the maximum possible extent in all leads and lifts through all modes of transportation and used /removed as per the direction of the Engineer - in- charge. Any loss to the public and private property during the course of execution and disposal of serviceable and unserviceable materials shall be the absolute responsibility of the contractor and shall have to be duly compensated by him in all respects including all incidental charges.	1043.00			
		Cum			
2	Excavation in foundation trenches etc. in earth work in all heights and depths in all kinds of soils, including saturated soils comprising of pick work, jumper work and blasting work both in soft and hard rock with chiseling and wedging out of rock (where blasting is prohibited) and their intermediate classification of	1013.78			
		Cum			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	soils including, dewatering wherever required, setting out to required lines, levels as shown on the drawing and directed by the engineer -in-charge at site., according to the HP.PWD. specification of 1990 (one thousand nine hundred ninety) volume-I (one) and sorting out useful and un useful material and transportation of the un useful material for disposing at dumping site (To be arranged by the contractor) as per satisfaction of Engineer- in -charge through all modes of transportation including head load ,animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipment and safety measures and incidentals necessary to complete the work by mechanical means and labour (if required). All useful material such as stones, shingles aggregate and slates shall be properly stacked at site to the maximum possible extent in all leads and lifts through all modes of transportation and used /removed as per the direction of the Engineer - in- charge. Any loss to the public and private property during the course of execution and disposal of serviceable and unserviceable materials shall be the absolute responsibility of the contractor and shall have to be duly compensated by him in all respects including all incidental charges.				
3	Excavation in earth work in all heights and depths in all kinds of soils, including saturated soils comprising of pick work, jumper work and blasting work both in soft and hard rock with chiseling and wedging out of rock (where blasting is prohibited) and their intermediate classification of soils including, dewatering wherever required, setting out to required lines, levels as shown on the drawing and directed by the engineer -in-charge at site., according to the HP.PWD. specification of 1990 (one thousand nine hundred ninety) volume-I (one) and sorting out useful and un useful material and transportation of the un useful material for disposing at dumping site (To be arranged by the contractor) as per satisfaction of Engineer- in -charge through all modes of	488.55			
		Cum			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	transportation including head load ,animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipment and safety measures and incidentals necessary to complete the work by mechanical means and labour (if required). All useful material such as stones, shingles aggregate and slates shall be properly stacked at site to the maximum possible extent in all leads and lifts through all modes of transportation and used /removed as per the direction of the Engineer - in- charge. Any loss to the public and private property during the course of execution and disposal of serviceable and unserviceable materials shall be the absolute responsibility of the contractor and shall have to be duly compensated by him in all respects including all incidental charges.				
4	Excavation in drain and channels in all heights and depths in all kinds of soils, including saturated soils comprising of pick work, jumper work and blasting work both in soft and hard rock with chiseling and wedging out of rock (where blasting is prohibited) and their intermediate classification of soils including, dewatering wherever required, setting out to required lines, levels as shown on the drawing and directed by the engineer -in-charge at site., according to the HP.PWD. specification of 1990 (one thousand nine hundred ninety) volume-I (one) and sorting out useful and un useful material and transportation of the un useful material for disposing at dumping site (To be arranged by the contractor) as per satisfaction of Engineer- in -charge through all modes of transportation including head load ,animal load or mechanical means along with its leveling fine dressing and with all kinds of labour, machineries, tools equipment and safety measures and incidentals necessary to complete the work by mechanical means and labour (if required). All useful material such as stones, shingles aggregate and slates shall be properly stacked at site to the maximum possible extent in all leads and lifts through all modes of transportation and used	221.00			
		Cum			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	/removed as per the direction of the Engineer - in- charge. Any loss to the public and private property during the course of execution and disposal of serviceable and unserviceable materials shall be the absolute responsibility of the contractor and shall have to be duly compensated by him in all respects including all incidental charges.				
5	Filling in plinth with sand under floor including watering, ramming, consolidating and dressing complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	50.58			
		Cum			
6	Providing form work with steel plates of 3.15mm (Three decimal fifteen millimeters) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimeters), so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights/depths of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in foundation, footings, bases, of columns and mass concrete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	223.76			
		Sqm			
7	Providing form work with steel plates of 3.15mm (Three decimal one five millimeters) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimeters), so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights/depths of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in flat surfaces such as soffits of suspended floors roofs, landings windows sills, cornices, arches, moulding, corbelling including curved surfaces where ever required as per Architectural drawing and the like floor etc. including carriage of materials within all leads, lifts and other	1477.88			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
8	Providing form work with steel plates of 3.15mm (Three decimal fifteen millimeters)thick, welded with angle iron in frames of 30x30x5mm(Thirty into Thirty into Five millimeters),so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights and removal of the same for in-situ reinforced concrete and plain concrete work in vertical surfaces such as walls any thickness partition and the like including attached pilasters, buttresses, plinth and string course and the like including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	118.45			
		Sqm			
9	Providing form work with steel plates of 3.15mm (Three decimal fifteen millimeters) thick, welded with angle iron in frames of 30x30x5mm(Thirty into Thirty into Five millimeters), so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights and removal of the same for in-situ reinforced plain concrete work in work in edge of slab and breaks in floors and walls under any thickness including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	419.70			
		Rmt			
10	Providing form work with steel plates of 3.15mm (Three decimal one five millimeters) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimeters), so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights/depths of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in columns, pillar, posts and struts, square, rectangular polygonal in plan including mouldings, cornices etc. including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as	665.28			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	directed by the Engineer-in-Charge.				
11	Providing form work with steel plates of 3.15mm (Three decimal one five millimeters) thick, welded with angle iron in frames of 30x30x5mm (Thirty into Thirty into Five millimeters), so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights/depths of propping and centring below supporting floor to ceiling and removal of the same for in-situ reinforced concrete and plain concrete work in columns, pillar, posts and struts, circular or curved in plan including mouldings, cornices etc. including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	9.32			
		Sqm			
12	Providing form work with steel plates of 3.15mm (Three decimal fifteen millimeters) thick, welded with angle iron in frames of 30x30x5mm(Thirty into Thirty into Five millimeters),so as to give a fair finish including centring, shuttering strutting and propping etc, with wooden battens and ballies for all heights and removal of the same for in-situ reinforced plain concrete work in stairs cases with slopping or stepped soffits, excluding, landing including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	122.89			
		Sqm			
13	Providing form work with steel plates of 3.15mm thick welded with angle iron in frames of 30x30x5mm so as to give a fair finish including centring, shuttering, strutting and propping etc. with wooden battens and ballies for all heights of propping and centring below supporting floor to ceiling not exceeding 4 mtrs and removal of the same for in-situ reinforced concrete and plain concrete work in beams, cantilevers, girders, lintels, sides and soffits of beams haunchings, cantilevers, bressumers and lintels in all depths including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1465.20			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
14	Providing form work with steel plates of 3.15mm thick welded with angle iron in frames of 30x30x5mm so as to give a fair finish including centring, shuttering, strutting and propping etc. with wooden battens and ballies for all heights of propping and centring below supporting floor to ceiling not exceeding 4 mtrs and removal of the same for in-situ reinforced concrete and plain concrete work in sloping or battering surfaces i/c folded plates where inclination to horizontal does not exceed 30 degree within all leads, lifts of materials and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	223.88			
		Sqm			
15	Providing form work with steel plates of 3.15mm thick welded with angle iron in frames of 30x30x5mm so as to give a fair finish including centring, shuttering, strutting and propping etc. with wooden battens and ballies for all heights of propping and centring below supporting floor to ceiling not exceeding 4 mtrs and removal of the same for in-situ reinforced concrete and plain concrete work in cornices and mouldings including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	20.00			
		Sqm			
16	Providing form work with steel plates of 3.15mm thick welded with angle iron in frames of 30x30x5mm so as to give a fair finish including centring, shuttering, strutting and propping etc. with wooden battens and ballies for all heights of propping and centring below supporting floor to ceiling not exceeding 4 mtrs and removal of the same for in-situ reinforced concrete and plain concrete work in chullah, hoods, weather shades, chajjas, corbels etc.including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	81.72			
		Sqm			
17	Providing form work with steel plates of 3.15mm thick welded	25.00			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	with angle iron in frames of 30x30x5mm so as to give a fair finish including centring, shuttering, strutting and propping etc. with wooden battens and ballies for all heights of propping and centring below supporting floor to ceiling not exceeding 4 mtrs and removal of the same for in-situ reinforced concrete and plain concrete work in vertical fins and vertical sun breakers including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	Sqm			
18	Providing and laying cement concrete 1:6:12 (One cement: Six sand: Twelve graded broken/crushed stone aggregate 40mm (Forty milimetres) nominal size) mechanically mixed and curing complete excluding cost of forms work in foundation and plinth including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	162.13			
		Cum			
19	Providing and laying cement concrete 1:4:8 (One cement: four sand: eight graded broken/crushed stone aggregate 40mm (Forty milimetres) nominal size) mechanically mixed and curing complete excluding cost of forms work in foundation and plinth including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	29.38			
		Cum			
20	Providing and laying mechanically mixed cement concrete 1:3:6 (1 cement :3 sand: 6 broken crushed stone aggregate 40mm(forty milimetre) nominal size and curing complete excluding cost of form work in foundation and plinth including carriage of materials including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	4.93			
		Cum			
21	Providing and laying cement concrete work 1:2:4 (1 cement :2 sand :4 graded crushed stone aggregate 20 mm(twenty milimetre nominal size) mechanically mixed and vibrated including curing complete excluding cost of form work and	5.91			
		Cum			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	reinforcement for reinforced concrete work in foundation and plinth including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
22	Providing and laying cement concrete work 1:2:4(1 cement :2 sand :4 graded crushed stone aggregate 20 mm(twenty milimetre nominal size) mechanically mixed and vibrated including curing complete excluding cost of form work and reinforcement for reinforced concrete work in mouldings as in conices window sill etc. exceeding 15 cm (fifteen centimetre)including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1.50			
		Cum			
23	Providing and laying cement concrete 1:1.5:3 (1 cement: 1.5 sand : 3 graded stone aggregate 20mm.(twenty milimetre nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in foundation, footings, bases of columns and the like and mass concrete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	264.57			
		Cum			
24	Providing and laying cement concrete 1:1.5:3 (1 cement: 1.5 sand : 3 graded stone aggregate 20mm.(twenty milimetre nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in columns, pillars, posts and struts above plinth level upto floor all levels including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	75.29			
		Cum			
25	Providing and laying cement concrete 1:1.5:3 (1 cement: 1.5 sand : 3 graded stone aggregate 20mm. nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in suspended floors, roofs, landings shelves and their supports balconies, beams, girder, bressumers	677.70			
		Cum			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	and cantilevers and the like above plinth level upto floor all levels including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
26	Providing and laying cement concrete 1:1.5:3 (1 cement: 1.5 sand : 3 graded stone aggregate 20mm.(twenty milimetre nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in stair cases (except spiral stair cases) excluding landing but including preparing of top surfaces and finishing of nosing above plinth level upto floor all levels including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	26.56			
		Cum			
27	Providing and laying cement concrete 1:1.5:3 (1 cement: 1.5 sand : 3 graded stone aggregate 20mm. (twenty milimetre nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in walls (any thicness but not less than 0.10 m thickness) attached pillasters, buttresses, plinth and string coarses etc. from top of foundation level upto floor all level including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	13.62			
		Cum			
28	Providing and laying cement concrete 1:1.5:3 (1 cement: 1.5 sand : 3 graded stone aggregate 20mm. (twenty milimetre nominal size) and curing complete excluding cost of form work and reinforcement for reinforced concrete work in vertical and horizontal fins (thickness not than 0.10 m thickness) individually or forming box louvers and projected band upto floor all levels including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	5.00			
		Cum			
29	Providing reinforced concrete eaves board 25mm (twenty five milimetre) thick and 15cm to 25cm(fifteen centimetre to twenty five milimetre) wide in cement concrete 1:2:4(1 cement :2 sand	18.91			
		Cum			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	:4 graded crushed stone aggregate 20 mm(twenty milimetre) nominal size) including curing complete excluding cost of form work and reinforcement for reinforced concrete work above plinth level upto floor all levels including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
30	Applying cement slurry on R.C.C. slab or cement concrete work using 2.75 kg. (two decimal seven five kilogram)of cement per sq. metre of floor area before laying cement concrete flooring including roughening, cleaning of the concrete surfaces complete upto floor all levels including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1418.15			
		Sqm			
31	Providing smooth finishing to exposed surface of RCC work in C:M 1:3 (1cement :3 sand) above plinth level upto floor all levels including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	102.25			
		Sqm			
32	Providing Tor steel reinforcement for Reinforced Cement Concrete work including bending, binding and placing in position complete including cost of binding wires complete upto floor all levels including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	170726.00			
		Kgs			
33	2nd class brick masonry using common brunt clay building bricks in super-structure upto all floor level with cement mortar 1:6 (1 cement :6 sand) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	299.98			
		Cum			
34	2nd class brick masonry using common brunt clay building bricks in foundation and plinth with cement mortar 1:4 (1 cement :4 sand) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	21.18			
		Cum			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
35	2nd class half brick masonry using common brunt clay building bricks in super-structure above plinth level to floor all level in cement mortar 1:4(1 cement :4 sand) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	347.98			
		Sqm			
36	Random rubble masonry/polygonal rubble masonry (uncoursed brought to courses) with hard stone of approved quality in foundation and plinth including racking out joints in cement mortar 1:6(1 Cement: 6 Sand) i/c levelling up with cement concrete 1:6:12 (One cement; Six sand; Twelve graded broken/crushed stone aggregate 40mm (Forty milimetres) nominal size) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	291.51			
		Cum			
37	Dry rubble masonry/polygonal rubble masonry in breast wall and retaining walls and parapet walls including carriage of materials including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	357.97			
		Cum			
38	Stone filling tightly hand packed under floors including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	2.30			
		Cum			
39	Supplying and filling broken/crushed stone aggregate or brick bats including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	142.42			
		Cum			
40	Providing and fixing 35 mm (thirty five milimetre) thick flush shutter , interior grade , commercial type , core or block board construction with rd wood well matched commercial ply veneering, with vertical of grains of cross and face veneers on both faces of shutters including black enamelled M.S. butt hinges including carriage of materials within all leads, lifts and	140.54			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
41	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors:- Rectangular of square	61.64			
		Sqm			
42	Extra for cutting rebate in flush shutters	127.68			
		Sqm			
43	Providing and fixing wood work in frames of false ceiling partitions etc sawn and put up in position including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	16.21			
		Cum			
44	Providing and fixing 2nd class teak wood 75X 60 mm(seventy five into sixty milimetre) rounded hand rail in straight length complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	56.39			
		Rmt			
45	Providing and fixing M.S. Plain grill of required patterns in wooden frames of window etc with M.S. flats , square or round bar with round handle and nuts including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	3050.00			
		Kgs			
46	Providing and fixing anodized aluminium sliding door bolts anodized transparent or dyed to required shade and color with screws etc. complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
	i) 250x16mm(Two hundred fifty into Sixteen milimetres) size	118			
		No.			
47	Providing and fixing aluminium tower bolts (berrel type) anodized transparent or dyed to required shade and colour with screw etc. complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
	i) 250x10mm (Two hundred fifty into ten milimetre)size	238			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
		No.			
48	Providing and fixing aluminium handles anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
	i) 125 mm (One hundred twenty five millimetre) size	238			
		No.			
49	Providing and fixing anodised aluminium work for doors, windows, ventilators and partitions with standard tubular sections appropriate z sections and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868 (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws, including necessary filling gaps at junctions at top bottom and sides with required PVC/neoprene/felt/ silicone sealant; aluminum sections shall be smooth rust free, straight mitred and jointed mechanically including cleat angle, snap beading CP brass/ stainless steel screws complete as per architectural drawings and directions of the Engineer- in- Charge for fixed and openable sections including neoprene gasket, hinges and other hardware including carriage of materials within all leads, lifts and other incidentals.				
	i) For doors , window and ventilators and glazed partition frames	2612.70			
		Kg.			
50	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc, complete including carriage of materials including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge (cost of aluminum bead shall be paid in basic item).				
	i) Glazing with glass panes of 4 mm (four millimetre) thickness	276.80			
		Kg.			
51	Providing and fixing double action hydraulic floor spring of	8			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	approved brand and manufacture for aluminium door including cost of cutting floor as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	No.			
52	Providing and fixing false ceiling with 12 mm(twelve milimetre) thick plain/semi perforated or with design ceiling tiles of BWP type phenol formaldehyde synthetic resin bonded pressed particle board conforming to IS:3087 finished with a coat of aluminium primer on both sides & edges and two coats of synthetic enamel paint of approved quality on exposed face fixed to a grid made out of anodised aluminium(with 15 (fifteen)micron anodic coating) T-sections 35 x15x1.5 mm (thirty five into fifteen into one decimal five milimetre)size main runners and cross runners 23.5x19x1.5 mm (twenty three decimal five into nineteen into one decimal five milimetre)fixed to main runners placed 600 mm (six hundred milimetre) centre tocentre both ways so as to form a grid of 600 mm square (six hundred square milimetre). The frame work shall be suspended from ceiling by level adjusting hangers of 6 mm dia (six milimetre diametre)M.S rod fixed to roof slab by means of ceiling cleats. The suspenders shall be placed 600x 1200 mm (six hudred into one thousand two hundred milimetre)centre to centre including fixing to the frame with C.P brace screws and applying a priming coat of zinc chromate yellow primer including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge(aluminium frame work shall be paid separately).	324.25			
		Sqm			
53	Providing and fixing fly proof galvanised M.S. wire gauge of IS gauge designation 140 g (one hundred forty g)with wire of dia 0.71 mm(zero decimal seven one milimetre) to windows and clerestory windows including 60x20mm beading of including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	94.23			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
54	Providing and fixing powder coated aluminium work (minimum thickness of powder coating 50 micron) consisting of tee/ angle sections, of approved make conforming to IS : 733 in frames of false ceiling including aluminium angle cleats with necessary C.P. brass/ stainless steel sunk screws, aluminium perimeter angles fixed to wall with stainless steel rawl plugs @ 450 mm (four hundred and fifty milimetre)centre to centre and fixing the frame work to G.I. level adjusting hangers 6 mm dia. (six milimetre diameter)with necessary cadmium plated machine screws all complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge (level adjusting hangers, ceiling cleats and expansion hold fasteners to be paid for separately).	486.37 Sqm			
55	Providing and laying cement concrete flooring 1:2:4 (one cement : two sand : four graded stone aggregate 20mm(twenty milimetre) nominal size) laid in one layer finished with a floating coat of neat cement including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
i)	40mm (Forty milimetre)thick.	142.92 Sqm			
ii)	50mm (Fifty milimetre)thick.	34.03 Sqm			
56	20mm(twenty milimetre) thick cement plaster skirting (up to 30cm (thirty centimetre)height) with C.M. 1:3 (1 cement 3 sand) finished with a floating coat of neat cement including rounding of junction with floor including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	10.24 Sqm			
57	40mm(Fortyty milimetre) thick kota stone slab flooring on 20 mm(twenty milimetre) (average) thickness base cement mortar 1: 4 (1cemewnt :4sand)laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab	1142.25 Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	including rubbing and polishing complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
58	25 mm(twenty five milimetre) thick kota stone slab in risers of steps, skirting and dado on 12mm (twelve milimetre)(average) thickness base cement mortar 1: 3(1cemewnt :3sand)laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	139.54			
		Sqm			
59	Providing and laying 20mm (twenty milimetre)thick acid proof tiles of size up to 300x300mm (three into three hundred milimetre)of specified shade in floors, treads of steps and landing laid on a bed of 12mm(twelve milimetre) thick cement mortar 1:3 (one cement : three sand) jointing with cement slurry mixed with pigment to match the shade of tiles including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	312.74			
		Sqm			
60	Providing and laying granite stone in flooring 20 mm (twenty milimetre)average thickness on base of cement mortar 1:3 (1cement : 3 sand) including jointing with cement mortar 1:2 (one white cement : two marble dirt) with an admixture of pigment to match the shade including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	12.38			
		Sqm			
61	Providing and laying 10 mm (ten milimetre)thick antiskid water proof strain and impact resistance and heavey duty vitrified tiles Nitco or equvallent in flooring 600x600mmx10mm (six hundred into six hundred into ten milimetre)size approved shade and colour in flooring ,treads of steps and landings laid on a bed of 12 mm (twelve milimetre) thick cement mortor 1:3 (1cement :3	96.89			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	sand)with cement slurry mixed with pigment to the shade of tiles as required ,all complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
62	Providing and laying Durostone vitrified tiles 300x300x8mm(three into three hundred milimetreinto eight milimetre) gray/colour of required shade in flooring ,treads of steps and landings laid on abed of 12 mm (twelve milimetre)thick cement mortor 1:3 (1cement :3 sand)with cement slurry mixed with pigment to the shade of flies as required ,all complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	10.19			
		Sqm			
63	Providing and laying 5.50 mm (five decimal five zero milimetre)thick non skid spartic tiles in flooring 300mmx300mm (three into three hundred milimetre) laid on a bed of 12mm (twelve milimetre) thick cement mortor 1:3 (1cement :3 sand) finished with flush pointing in white cement including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	131.94			
		Sqm			
64	6mm (six milimetre)thick white glazed tiles in skirting and risers of steps laid on a bed of 12mm (twelve milimetre) thick cement mortar 1:3 (one cement : three snad) finishd with flush pointing in white cement including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	251.37			
		Sqm			
65	Providing and laying 80 mm (eighty milimeter) thick heavy duty precast cement concrete interlocking paver blocks vibro compacted upto M 50 (M-Fifty)grade i/c border or kerb block of grey or coloured over sub-base of concrete with 25mm (twenty five milimeter)thick average thickness of cement mortar 1:4 (1 cement: 4 sand) laid over and jointed with neat cement to match the shade of the blocks i/c curing rubbing and polishing complete	182.00			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge (sub base concrete floor to be paid for separately).				
66	Providing and Fixing 0.60 mm(zero decimal six zero milimetres) thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyster (RMP) organic coating of 20 (Twenty) microns over 5 (Five)microns primer coating to back coat of polyster of 5(five) microns over 5(five) microns primer coating including fixing with preparinted iron J or L hooks, bolts and nuts 6mm (six milimetre)diametre with prepainted limpet and rubber washers complete with all accesories as required as per the Direction of Engineer-in-Charge including carriage of materials within all leads, lifts of materials and other incidentals .	621.62			
		Sqm			
67	Providing and Fixing ridges or hips 60 cm(Sixty centimetres) overall with 0.60 mm(Zero decimal six zero) thick prepainted steel sheets in roofing with hot dipped metallic zinc coated sheets with top coat of regular modified polyster organic coating of 20 (Twenty)microns over 5 (five)microns primer coating + back coat of polyster of 5(five) microns over 5(five) microns primer coating including fixing with preparinted iron J or L hooks, bolts and nuts 6mm (six milimetre)dia & prepainted G.I. limpet and bitumen washers complete with all accesories as required as per the Direction of Engineer-in-Charge including carriage of materials within all leads, lifts of materials and other incidentals .	88.88			
		Rmt			
68	Providing valley 90cm (Ninety centimetres)over all with 0.60 mm(zero decimal six zero milimetres) thick pre-painted sheet in roofing with hot dipped metallic Zink coated sheets with top coat of regular modified polister organic coating of 20 (Twenty)micron over primer coating +back coat of plaster of 5 (Five)microns priming coating I/c fixing with pre-painted iron J or L hooks ,bolts and nuts 6mm (six milimetre)dia & pre-laminated GI limpet and bitumen washers complete with all accessories as required	36.96			
		Rmt			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
69	Providing flashing 38cm (Thirty eight centimetres) over all with 0.60 mm (zero decimal six zero millimetres) thick pre-painted sheet in roofing with hot dipped metallic Zinc coated sheets with top coat of regular modified .polister organic coating of 20 (Twenty) micron over primer coating + back coat of plaster of 5 (five) microns priming coating I/c fixing with pre-painted iron J or L hooks ,bolts and nuts 6mm (six millimetre) dia & pre-laminated GI limpet and bitumen washers complete with all accessories as required including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	23.54			
		Rmt			
70	Providing and fixing on wall face PVC (D-Plast) 150mm (One hundred fifty millimetre) diameter rain water pipes of working pressure not less than 4.5 kg./sqm. (four decimal five kilogram per squaremetres) including filling the joints with approved adhesive complete. The rate is inclusive for carriage of materials within all leads, lifts and other incidentals.	196.00			
		Rmt			
71	Providing and fixing on wall face PVC (D-PLAST) accessories for rain water pipes of working pressure of not less than 4.5 kg/ sqm (four decimal five kilogram per squaremetres) i/c filling the joints with approved adhesive complete :- PVC bend 150 mm dia. (One hundred fifty millimetre) diameter	40			
		No.			
72	Providing and fixing on wall face PVC (D-PLAST) accessories for rain water pipes of working pressure of not less than 4.5 kg/ sqm (four decimal five kilogram per squaremetres) i/c filling the joints with approved adhesive complete :- PVC shoe 150 mm dia. (One hundred fifty millimetre) diameter	40			
		No.			
73	Providing and laying water proofing treatment with Dr. Fixit FASTFLEX or equivalent with two components polymer modified cementitious coating consisting of cementitious powder and a polymer liquid in two coats for first coat:- clean and saturate	138.13			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	surface and then applying a coat of Dr. Fixit - FASTFLEX by maintaining a coverage of 6-7 (six to seven)sf.t per kg. to achieve one mm thickness and the same process shalltended upto 300 mm (three hundred milimeter) vertically.The second coat shall be applied in opposit direction after four six-hours of application of first coat then sprinkle sand on top surface of applied Dr. Fixit-FASTFLEX while still tacky over the second coat. Then Apply cement mortar 1:4 (one cement: four sand) admoixed with 200 ml (two hundred milimeter) of pidiproof LW @ 200 ml (two hundred milimeter) per 50 kg (fifty kilogram) of cement over the floor with the suitable grediant towards drain pipe, while the second coat of Dr. Fixit is still tacky including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
74	Making khurras 45x45 cm (forty five into forty five centimetre)with average minimum thickness of 5 cm (five centimetre)cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm (twenty milimetre)nominal size), finished with 12mm (twelve milimetre) cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the outlet complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	6			
		No.			
75	Steel work welded in built up section, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint in trusses and trussed purlins complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	115.46			
		Qtl.			
76	Steel work welded in built up section, in gratings, framed guard, bar ladders, railing and similar works including cutting, hoisting ,fixing in position and applying a priming coat of red lead paint including carriage of materials within all leads, lifts and other	92.03			
		Qtl.			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
77	Providing and fixing angle iron doors, windows, clear storey windows frames (single rebate) manufacture from MS angle section of angle size 50x50x6mm(fifty into fifty into six milimetre) angle M.S. flat 50x4mm (fifty into four milimetre)as per drawing and design including hinges, jambs, lock, jamb bend of required angle threshold of mild steel in the mild steel angle 50x25mm (fifty into twenty five milimetre)welded or rigidly fixed by mechanical means leads with split end ties to neck jambs including steel butt hinges 2.5mm (two decimal five milimetre)thick with provision for locking arrangement and shock as specified and applying a coat of approved steel primer after pretreatment of the surface as per detailed drawing including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	197.27			
		Rmt			
78	Providing and fixing inposition collapsible steel shutter with verticle channels 20x10x2 mm (twenty into ten into two milimetre)with bolts and nuts locking arragments stoppers ,handles i/c applyig primming coat of read paint including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	19.57			
		Sqm			
79	Providing and fixing M.S Tubular frame for windows ventilators, welded or rigidly fixed by mechanical means leads with split end ties to neck jambs including steel butt hinges 2.5mm (two decimal five milimetre)thick with provision for locking arrangement and shock as specified and applying a coat of approved steel primer after pretreatment of the surface as per detailed drawing including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	428.40			
		Kg.			
80	Providing and fixing steel glazed doors, windows and ventilators	27.00			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	of standard rolled steel sections joints mitred and welded with 16x3.15mm (sixteen into three decimal one five milimetre) lugs 10cm (ten centimetre) long embedded in cement concrete blocks 15cmx10cmx10cm (fifteen into ten into ten centimetre) size of 1:3:6 (one cement : three sand : six graded stone aggregate 20mm (twenty milimetre) nominal size) or with wooden ;lug and screws or sawl plug and screws or with fixing clips or with fixing clips or with bolts and nuts as required and iron fittings including providing and fixing of glass panes with glazing clips and special metal such putty of approved make complete including applying a priming coat of red led paint including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge:-(a) Side hung window	Sqm			
81	Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections joints mitred and welded with 16x3.15mm (sixteen into three decimal one five milimetre) lugs 10cm (ten centimetre) long embedded in cement concrete blocks 15cmx10cmx10cm (fifteen into ten into ten centimetre) size of 1:3:6 (one cement : three sand : six graded stone aggregate 20mm (twenty milimetre) nominal size) or with wooden ;lug and screws or sawl plug and screws or with fixing clips or with fixing clips or with bolts and nuts as required and iron fittings including providing and fixing of glass panes with glazing clips and special metal such putty of approved make complete including applying a priming coat of red led paint including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge:-(a) Top hung ventilator.	8.10			
		Sqm			
82	Painting two coats (excluding priming coat) on new steel and other metal surfaces under coat with ready mixed paints brushing to give an even shade including cleaning the surface all dirt, dust and other foreign matter including carriage of materials within all leads, lifts and other incidentals as per	665.04			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	approved drawing, design and as directed by the Engineer-in-Charge:- with ready mixed paint other than white.				
83	Applying priming coat with ready mixd paint brushing wood primer on new wood and wood based bases surfaces with enamel paint to give an even shade i/c cleaning the surface of all dirt, dust and other foreign matter sand papering and stopping including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge	281.08			
		Sqm			
84	Painting two coats (excluding priming coat) on new wood and wood based bases surfaces with enamel paint to give an even shade i/c cleaning the surface of all dirt, dust and other foreign matter sand papering and stopping including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge:- with white enamel paint.	281.08			
		Sqm			
85	6mm (six millimeter)thick cement plaster to ceiling in cement mortar 1:3 (1 cement 3 sand) up to floor all levels including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1418.15			
		Sqm			
86	15mm (fifteen milimetre)cement plaster in single coat on rough side brick/concrete/stone walls for interior plastering up to floor all levels including arises internal rounded angles chamfers and/or rounded angle not exceeding 80mm (eighty milimetre) girth and finished even and smooth in cement mortar 1:6 (1 cement :6 sand) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1605.59			
		Sqm			
87	15mm (fifteen milimetre) cement plaster in single coat on fair side brick/concrete/stone walls for interior plastering up to floor all levels including arises internal rounded angles chamfers and/or rounded angle not exceeding 80mm (eighty milimetre)girth and finished even and smooth in cement mortar	3060.49			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	1:6 (1 cement 6 sand) including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.				
88	Extra over plastering for finishing with a floating coat of neat cement slurry .	81.72			
		Sqm			
89	Extra over plastering for providing and mixing waterproofing materials in cement mortar in proportion recommended by manufacturers.	1559.84			
		Sqm			
90	Pebble dash exterior plaster on wall upto a hight of 10 meter (ten imetre)above ground level with a mixture of washed pebble or crushed stone aggregate 6mm to 12mm (six to twelve milimetre)nominal size over and including fresh cement plaster in two coats , backing coat (10mm cement) plaster 1:3 (1 cement : 3 sand) and finishing coat of 10mm (ten milimetre)cement plaster 1:3 (1 cement :3 sand) mix with 10% finely hydrated lime by volume of cement including arrises, chamfers and rounded angles not exceeding 80mm(eighty milimetre) in girth including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	218.23			
		Sqm			
91	20mm (twenty milimetre) cement plaster in two coats backing coat 10mm and finishing coat 10mm (ten milimetre)thick in cement mortar 1:4 (1 cement : 4 sand)on fair side of brick/stone masonry walls for interior plastering upto floor two level including arrises,internal rounded angles, chamfers and/or rounded angles not exceeding 80mm (eighty milimetre)in girth including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	104.26			
		Sqm			
92	Applying Birla white wall care putty over plastered surfaces after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final finish to the surfaces complete including carriage of materials within all leads, lifts and other incidentals as per	4666.80			
		Sqm			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	approved drawing, design and as directed by the Engineer-in-Charge.				
93	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equivalent on undecorate wall surfaces (two coats) to give even shade and final finish after thoroughly cleaning the surface to remove all dirt , dust and other foreign matter etc. including sand paper smooth complete including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1454.90			
		Sqm			
94	Wall painting (two coats) with acrylic emulsion paint of approved brand and manufacture for intior grade on undecorated concrete / stone/ plastered surface to give even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth including applying putty for levelling the surface including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	3211.18			
		Sqm			
95	Distempering with dry distemper of approved brand and manufacture (two coat) and required shade on undecorated wall surface to give an even shade over and including priming coat of whitening after thoroughly brushing the surface free flour mortar dropping and other foreign matter including preparing the surface even and sand papered smooth including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1418.15			
		Sqm			
96	Providing plinth protection 50mm thick in cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20mm (twenty milimetre) nominal size)including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	46.20			
		Sqm			
97	Providing under layer for plinth protection of 75mm (seventy five	46.20			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	milimetre)thick (un consolidated) bed of dry brick/ stone aggregate 40mm (forty milimetre)nominal size remand consolidated and grouted with fine sand including preparation of ground including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	Sqm			
98	Brick edging (brick laid on edge) to plinth protection with bricks including grouting with cement motar 1:4 (1 cement : 4 sand) with bricks of size 22.9cm x11.2 cmx 7 cm. (twenty two decimal nine into eleven decimal into seven centimetre)including carriage of materials within all leads, lifts and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	77.00			
		Rmt			
	Sub-total of Schedule B1: Civil Works for RLC at Chaupal				

Schedule B2: Water supply and sanitary installation work for RLC at Chaupal

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	Water supply and sanitary installation work				
99	Providing and fixing to wall ceiling and floor galvanised mild steel tubes , including cutting chases in brickwork, stonework , reinforced concrete(Medium grade) tube fittings and clamps including making good the wall , ceiling and floor including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a)15mm(Fifteen milimetres) nominal bore/diameters	125.00			
		Rmt			
	(b)20mm (Twenty milimetres) nominal bore/diameter	64.00			
		Rmt			
	(c) 25 mm (Twenty five milimetres) nominal bore/diameter	11.00			
		Rmt			
	(d) 65 mm (Sixty five milimetres) nominal bore/diameter	21.00			
		Rmt			
100	Providing and Laying in trenches galvanised mild steel tubes (medium grade), tube fitting (Earth work in trenches to be measured and paid for separately)including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) 25 mm (Twenty five milimetres) nominal bore/diameter	10.00			
		Rmt			
	(b) 32 mm (Thirty two milimetres) nominal bore/diameter	66.00			
		Rmt			
	(c) 40 mm (Forty milimetres) nominal bore/diameter	60.00			
		Rmt			
101	Fixing water meter and stop-cock in galvanised mild steel tube including necessary fittings such as mild steel galvanised jam nut, socket, etc. cutting and making long screws complete including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge (water metre and stopcock to be measured and paid for separately) :				
	(a) 32 mm (Thirty two milimetres) nominal bore/diameter	1			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
		No.			
102	Constructing chamber 300 mm x 300 mm x 500 mm (Three hundred into Three hundred Five hundred milimetre) inside size for stop cock with C.I. surface box 100 mm x 100 mm x 75 mm (inside) (One hundred into One hundred into seventy five milimetre) with hinged cover fixed in cement concrete slab 1:2:4 mix 75 mm (seventy five milimetre) thick 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) finished with a floating coat of neat cement including curing complete including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) With 100 mm (One hundred milimetre) thick walls of brick masonry in cement mortar 1:5 (1 cement : 5 sand)	1			
		No.			
103	Constructing chamber 600 mm x 450 mm x 600 mm (Six hundred into Six hundred into four hundred fifty milimetre) inside size for water mater complete with C.I. double flap surface box 400 mm x 200 mm x 200 mm (in side) (Four hundred into two hundred into two hundred milimetre) with locking arrangement and RCC top slab 1:2:4 mix (1 cement : 2 sand : 4 graded stone aggregate 20 mm nominal size) 100 mm (One hundred milimetre) thick foundation concrete 1:5:10 mix (1 cement : 5 sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 sand) finished with a floating coat of neat cement including curing complete including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) With 200 mm (two hundred milimetre) thick walls of brick masonry in cement mortar 1:5 (1 cement: 5 sand).	1			
		No.			
104	Providing and filling sand around the galvanised mild steel tubes and fittings including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	10.00			
		Cum			
105	Providing and fixing sand cast/cast iron spon spigot and socket soil, waste and ventilating pipes including carriage of materials within				

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	all leads, lifts and other incidentals and as directed by the Engineer-in-Charge (Lead chaulked joined to be measured and paid for separately):-				
	(a) 50 mm (fifty milimeter)nominal size	5.00 Rmt			
	(b) 75 mm (seventy five milimetre)nominal size	60.00 Rmt			
	(c) 100 mm (one hundred milimetre)nominal size	152.00 Rmt			
106	Providing and fixing cast iron holder bats including steel bolts to sand cast iron/cast (spon) iron pipes embeded in and including cement concrete blocks 100 mm x 100 x 100 mm of 1:2:4 mix (1 cement :2 sand : 4 graded stone aggrgate 20 mm nominal size) including cost of cutting holdes and making good the walls and carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) 50 mm (fifty milimeter) nominal diameter/size pipe	2 No.			
	(b) 75 mm (seventy five milimetre) nominal diameter/size pipe	5 No.			
	(c) 100 mm (one hundred milimetre) nominal diameter/size pipe	68 No.			
107	providing and fixing PVC fittings and accessories -				
	(A) Bends of required degree (any radius) :				
	I. With ovel access door insertion rubber washer 2 mm (two milimetre) thick, bolts and nuts complete :				
	(i) 50 mm (fifty milimeter)nominal size	2 No.			
	(ii) 75 mm (seventy five milimetre) nominal size	2 No.			
	(iii) 100 mm (one hundred milimetre)nominal size	24 No.			
	(B) Offsets :				
	I. 50 mm (fifty milimeter) nominal size				

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	(ii) with 100 mm (one hundred milimetre) projection	2			
		No.			
	(ii) with 100 mm (one hundred milimetre) projection	6			
		No.			
	III. 100 mm (one hundred milimetre) nominal size				
	(ii) 100 mm (one hundred milimetre) nominal size	6			
		No.			
	(C) Single equal branch of required degree:				
	I. With ovel access door insertion rubber washer 3 mm (three milimetr)thick, bolts and nuts complete :				
	(iii) 100 mm (one hundred milimetre) nominal size	6			
		No.			
	II. Plain :				
	(iii) 110 mm (one hundred milimetre) nominal size	6			
		No.			
	(D) Double equal branch of required degree:				
	I. With ovel access door insertion rubber washer 3 mm(three milimetr)thick, bolts and nuts complete :				
	(iii)150 mm (one hundred milimetre) nominal size	6			
		No.			
	II. Plain :				
	(iii)100 mm (one hundred milimetre) nominal size	6			
		No.			
	(E) Single unequal branch of required degree:				
	I. With ovel access door insertion rubber washer 3 mm (three milimetr)thick, bolts and nuts complete :				
	(iii) 100 mm x 75 mm (one hundred into seventy five milimetre)nominal size	6			
		No.			
	II. Plain :				
	(ii) 100 mm x 50 mm (one hundred into fifty milimetre)nominal size.	6			
		No.			
	(iii) 100 mm x 75 mm (one hundred into seventy five milimetre) nominal size	6			
		No.			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	(F) Double unequal branch of required degree:				
	I. With ovel access door insertion rubber washer 3 mm thick, bolts and nuts complete :				
	(iii) 100 mm x 75 mm x 75 mm nominal size	6			
		No.			
	II. Plain :				
	(iii) 100 mm x 75 mm x 75 mm (one hundred into seventy five into seventy five milimetre)nominal size	6			
		No.			
	(G) Inverted branch, socket type of required degree:				
	(ii) 100 mm x 100 mm (one hundred into one hundred milimetre)nominal size	6			
		No.			
	(iii) 100 mm x 50 mm (one hundred into fifty milimetre)nominal size	6			
		No.			
	(H) Inverted branch, spigot type of required degree:				
	(ii) 100 mm x 100 mm (one hundred into one hundred milimetre)nominal size	6			
		No.			
	(iii) 100 mm x 50 mm (one hundred into fifty milimetre) nominal size	6			
		No.			
	(I) Traps without lit sizes:				
	(ii) 75 mm(seventy five milimetre) nominal size	6			
		No.			
	(iii) 100 mm (one hundred milimetre)nominal size	6			
		No.			
	(J) Ovel access door insertion rubber washer 3 mm thick, bolts and nuts complete :				
	(ii) 75 mm (seventy five milimetre) nominal size	6			
		No.			
	(iii) 100 mm (one hundred milimetre) nominal size	6			
		No.			
	(K) Diminishing piece:				
	(ii) 100 mm x 50 mm (one hundred into fifty milimetre)nominal size	6			
		No.			
	(iii) 100 mm x 75 mm (one hundred into seventy five	6			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	milimetre)nominal size	No.			
	(L) Straight inspection piece:				
	With ovel access, floor, insertion rubber washer 3 mm thick, bolts and nuts complete :				
	(ii) 75 mm(seventy five milimetre) nominal size	6			
		No.			
	(iii) 100 mm (one hundred milimetre) nominal size	6			
		No.			
	(M) Loose Socket:				
	(ii) 75 mm(seventy five milimetre) nominal size	6			
		No.			
	(iii) 100 mm (one hundred milimetre) nominal size	6			
		No.			
	(N) Collar:				
	(ii) 75 mm(seventy five milimetre) nominal size	6			
		No.			
	(iii) 100 mm (one hundred milimetre) nominal size	6			
		No.			
	(O) Pass over pipe 50 mm(fifty milimetre) nominal size	6			
		No.			
	(P) Sanitary connections.				
	(i) S. Branch 100 mm(one hundred milimetre) nominal size	6			
		No.			
	(ii) Branch 100 mm(one hundred milimetre) nominal size	6			
		No.			
	(iii) Band 100 mm (one hundred milimetre)nominal size	6			
		No.			
	(Q) Single unequal branch of required degree:				
	I. With Heel Rest				
	(ii) 75 mm(seventy five milimetre) nominal diameter	6			
		No.			
	(iii) 100 mm (one hundred milimetre)nominal diameter	6			
		No.			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	(R)Tapar:				
	(ii)100 mm x50 mm (one hundred into fifty milimetre)nominal diameter	6 No.			
	(iii) 75 mm x 75 mm (seventy five into seventy five milimetre) nominal diameter	6 No.			
	(S) Connector plug (stopper):				
	(ii) 75 mm (seventy five milimetre)nominal diameter	6 No.			
	(iii) 100 mm (one hundred milimetre)nominal diameter	6 No.			
108	Providing lead caulked joints to sand cast iron cast (spun) iron pipes and fitting including testing of joints including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(ii) 75 mm (seventy five milimetre)nominal diameter	6 No.			
	(iii) 100 mm (one hundred milimetre)nominal diameter	6 No.			
109	Providing and fixing M.S. stay and clamps for sand cast iron cast (spun) iron pipes including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(ii) 75 mm (seventy five milimetre)nominal diameter	6 No.			
	(iii) 100 mm (one hundred milimetre) nominal diameter	6 No.			
110	Providing and fixing cast iron floor trap of self cleaning design with sand cast iron screwed down or hinged grating with out vent arm complete including cost of cutting and making goods the wells and floors including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(ii) 75 mm (seventy five milimetre)nominal diameter	35 No.			
111	Cutting chase in stone/brick masonry walls for fixing sand cast				

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	iron/cast (spun iron pipes and fittings including making good the same with stone/brick work in cement mortar 1:3 (1 cement :3 sand) including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(ii) For 75 mm (seventy five milimetre)nominal diameter	50			
		No.			
	(iii) For 100 mm (one hundred milimetre)nominal diameter	80			
		No.			
112	Providing and fixing vitreous China wash, down water closet (European type. W.C.pan) with integral 'p' or 's'trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement: 1 sand) including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge (Seat and over to be measured and paid for separately):				
	(i) Ordinary closet	10			
		No.			
113	Providing and fixing vitreous China wash, down water close squatting pan (Indian type W.C.pan) size 580 mm including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge(earthwork , bed concrete, foot rest and trap to be measured & paid for separately).				
	(i) Orrisa pattern	4			
		No.			
114	Providing and fixing 100 mm (one hundred milimetre) size 'P' or 'S' trap for water closet (squatting pan) including jointing the trap with the pan and soil pipe in cement mortar 1:1 (1 cement:1 sand) including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(i) Vitreous China	14			
		No.			
115	providing and fixing 10.00(ten)litres vitreous China low level flushing cistern with a pair of C.I. or mild steel brackets, complete with fitting such as lead valve less syphon, 15 mm (fifteen milimetre)nominal size brass ball valve with polygthene float, C. P.	14			
		No.			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	Brass handle unions and couplings for connections with inlet, outlet and overflow pipes, 40 mm (forty milimetre)dia C.P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge(overflow pipe to be treasured and paid for separately):				
116	Providing and fixing plastic seat (solid/Hollow type) cover for wash down water closet with C.P. Brass hinges and rubber buffers including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(b) White/Black plastic seat cover	10			
		No.			
117	Providing and fixing vitreous China wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fittings including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) Flat back:				
	(ii) 550 mm x 400 mm size (Five Hundred Fifty milimetre into Four Hundred milimetre) nominal size	17			
		No.			
118	Providing and fixing laboratory sink with C.I. or M.S. brackets painted white including cutting holes in walls and making good the same but excluding fittings including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) Vitreous China:				
	(iii) 500 mm x 350 mm x 150 mm (Five Hundred milimetre into Three Hundred Fifty milimetre into One Hundred milimetre) nominal size	2			
		No.			
119	Providing and fixing C. P. Brass Waste for wash basin or sink including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(b) 40 mm (Forty milimetre) diasize	19			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
		No.			
120	Providing and fixing C. I. Union for for wash basin or sink including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(b) 40 mm dia (Forty milimetre) size	19			
		No.			
121	Providing and fixing C. P. Brass S trap for wash basin or sink including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(b) 40 mm (Forty milimetre) dia size	19			
		No.			
122	Providing and fixing C. P. Bottle trap for wash basin or sink including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(b) 40 mm dia (Forty milimetre) size	19			
		No.			
123	Providing and fixing 100 mm (Hundred milimetre) sand cast iron grating for gully, floor or Nahni Trap including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
		20			
		No.			
124	Providing and fixing 600 mm x 450 mm (Six Hundred milimetre into Four Hundred Fifty milimetre) bevelled edge mirror of superior glass mounted on 6 mm thick A.C. sheet or plywood sheet and fixed to wooden plugs with C.P. Brass screws and washers including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
		16			
		No.			
125	Providing and fixing C.P. brass Towell rail complete with C.P. brass brackets fixed to wooden plugs with C.P. brass including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(i) 750 mm x 20 mm (Seven Hundred Fifty milimetre into Twenty milimetre) size	3			
		No.			
126	Providing and fixing soap trays (Vitreous China):				
	(i) Recessed soap tray 150 mm x 150 mm . (One Hundred Fifty	5			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	milimetre into One Hundred Fifty milimetre) size	No.			
127	Providing and fixing C. P. Brass shower rose with 15 mm or 20 mm inlet including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(ii) 15 mm dia size (Fifteen milimetre)	5			
		No.			
128	Providing and fixing Robe hook (Vitreous China).	8			
		No.			
129	Providing and fixing Division Plate for Urinals 600 mm x 300 mm (Six Hundred milimetre into Three Hundred milimetre Vitreous China including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	6			
		No.			
130	Providing and fixing :				
	(i) C.P. brass Bib tap with Capstan head:				
	(a) 15 mm (Fifteen milimetre) dia size	30			
		No.			
	(ii) C.P. brass Pillar tap with Capstan head:				
	(a) 15 mm (Fifteen milimetre) dia size	19			
		No.			
131	Providing and fixing Brass stop cocks including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) 15 mm (Fifteen milimetre) dia size	10			
		No.			
	(d) 32 mm (Thirty Two milimetre) dia size	4			
		No.			
	(e) 40 mm (Forty milimetre) dia size	4			
		No.			
132	Providing and fixing CP Brass Angle valve 15 mm (Fifteen milimetre) without nuts and pipes including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	56			
		No.			
133	Providing and fixing 15 mm (Fifteen milimetre) mixer for kitchen sink with top/bottom winging spout including carriage of materials	2			
		No.			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
134	Providing and fixing one hole basin mixing faucet including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	14			
		No.			
135	Providing and fixing wall maxing Faucet for shower and Bath with overhead pipe and bath shower including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	5			
		No.			
136	Providing and fixing wall bath shower including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	5			
		No.			
137	Providing and fixing :				
	(a) 15 mm (Fifteen milimetre) spout with Aerator	6			
		No.			
	(d) 20 mm (Twenty milimetre) spout with Aerato	6			
		No.			
138	Painting G.I. Pipes and fittings with two coats of anticorrosive bitumastic paint of approved quality including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(d) 32 mm (Thirty Two milimetre) diameter pipe	28.00			
		Rmt			
	(e) 40 mm (Forty milimetre) diameter pipe	24.00			
		Rmt			
139	Providing and filling sand all-round the G.I. Pipe in external work :-				
	(e) 40 mm (Forty milimetre) diameter pipe	24.00			
		Rmt			
140	Providing and fixing white glazed fireclay stall urinal with automatic C.I. Flushing cistern (of approved make) with fittings R.S. or C.I. Brackets standard size C.P. brass flush pipe spreaders with unions and clamps (all in C.P. brass) C.I. Trap with outlet grating and other coupling in C.P. brass including painting of cistern and fittings, cutting and making good the walls and floors				

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	where required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) Single stall Urinal with 5 litres (Five liters) C.I. automatic flushing cistern.	2			
		No.			
	(b) Range of Two stall Urinals with 10 litres(Ten liters) C.I. automatic flushing cistern.	4			
		No.			
141	Providing and fixing P.V.C. Connection pipe with brass unions including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) 300 mm (Three Hundred milimetre) Length :-				
	(i) 15 mm (Fifteen milimetre) nominal bore	5			
		No.			
142	Providing and fixing brass ball valve (horizontal plunger type) including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) High pressure with polythene plastic floats:				
	(i) 15 mm(Fifteen milimetre) nominal bore	1			
		No.			
143	Providing and fixing ferrule including boring and taping the main including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(d) 32 mm (Thirty Two milimetre) nominal bore	1			
		No.			
144	Painting two coats on G.I. pipes and fittings with white paint over a coat of ready mixed priming coat both of approved quality for new work including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(a) 15 mm (Fifteen milimetre) size	10.00			
		Rmt			
	(b) 20 mm (Twenty milimetre)size	15.00			
		Rmt			
	(c) 25 mm (Twenty Five milimetre) size	10.00			
		Rmt			
	(d) 32 mm (Thirty Two milimetre) size	12.00			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
		Rmt			
	(e) 40 mm (Forty milimetre) size	8.00			
		Rmt			
145	Providing and fixing PVC water storage tank of ISI : 12701 marked, G.I. inlet and outlet connection, 15mm (Fifteen milimetre) nominal bore ball valve and mosquito proof PVC cover with locking arrangement including hoisting up to all heights above ground level including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(iii) 2000 litres(Two Thousand litres) net capacity tank	2			
		No.			
146	Providing and fixing stoneware gully trap grade 'A' complete with CI grating , brick masonry chamber in cement mortar 1:5 and water tight CI cover with frame of size 300mm x 300mm (inside) the weight of the cover to be not less than 4.53 kg and thr frame to be not less than 2.78 kg.including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(1) Square mouth traps				
	(vi) 180mm x 150mm (One Hundred Eighty milimetre into One Hundred Fifty milimetre) P or R type	2			
		No.			
	(2) Round mouth traps				
	(iv) 150mm x 150mm (One Hundred Fifty milimetre into One Hundred milimetre) S type	2			
		No.			
147	Providing and laying (to level or slopes) and jointing with of cement mortar inthe proportion of 1:1 (1 cement : 1 sand) salt glazed stoneware pipes grade 'A' of the following internal diameters including testing of pipes and joints complete:				
i)	100 mm (One Hundred milimetre)	10.00			
		Rmt			
ii	150 mm (One Hundred Fifty milimetre)	83.00			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
		Rmt			
iii)	250 mm (Two Hundred milimetre)	69.00			
		Rmt			
148	Constructing manhole with RCC top slab in 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) inside plastering 15 mm 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 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete including curing and testing including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
i)	Inside size 800mm x 800mm and 500 mm (Eight Hundred milimetre into Eight Hundred milimetre and Five milimetre) deep including C.I. cover with frame (light duty single seal:pattern I) 455x610 mm (Four Hundred Fifty Six milimetre into Six Hundred Ten milimeter internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg):				
	with 230 mm (Two Hundred Thirty milimetre) thick walls of brick masonry using common burnt clay building bricks in cement mortar 1:3 (1 cement: 3 sand)	16			
		No.			
ii)	Inside size 800mm x 800mm (Eight Hundred milimetre into Eight Hundred milimetre) and 1.0 metre deep including C.I. cover with frame (light duty single seal:pattern I) 455x610 mm (Four Hundred Fifty Six milimetre into Six Hundred Ten milimetre) internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg):				
	with 230 mm(Two Hundred Thirty milimetre) thick walls of brick masonry using common burnt clay building bricks in cement mortar 1:3 (1 cement: 3 sand)	16			
		No.			
149	Providing 200mm wide cast iron rungs with chequered or ribbed	12			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	non slip surface including fixing in manholes with 200mm x 200mm x 100mm cement concrete 1:3:6(1 cement: 3 sand: 6 graded stone aggregate 20mm nominal size)including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	No.			
150	Making connections of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 (1cement:2 sand: 4 graded stone aggregate 20mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement: 3 sand) finished with a floating coat of neat cement and making necessary channels with cement concrete 1:2:4 (1cement:2 sand: 4 graded stone aggregate 20mm nominal size) for the drain complete including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	(i) for pipes 100mm to 150 mm(One Hundred milimetre to One Hundred Fifty milimeter) internal dia/ nominal size.	4			
		No.			
	(ii) for pipes 250mm to 300 mm(Two Hundred Fifty milimetre to Three Hundred milimetre) internal dia/ nominal size.	15			
		No.			
151	Providing and fixing C.I. sluice valve (with hand wheel as per IS: 780-1984 class 1 to 300mm (One milimetre to Three Hundred milimetre) dia (i/c brass spindle and as per 2906-198, class-2 for dia 300mm(Three Hundred milimetre)) complete 65mm(Sixty Five milimetre) including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	1			
		No.			
152	Providing and Laying in trenches galvanised 2.50kg/ CM2 working pressure PVC pipe confirming to IS: 4985-1968 amended upto date complete mild steel tubes (A class), tube fitting including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge (Earth work in trenches to be measured and paid for separately):				
	(i) Down pipe 90mm (Ninety milimetre) dia	100.00			
		Rmt			
	(ii) Gravity pipe upto storage tank 110mm(One Hundred Ten	100.00			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	milimetre) dia.	Rmt			
153	Providing and fixing SFRC man hole cover with frame having size of 560mm internal dia (medium duty) the weight of cover and frame should not less than 100 kg. including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	1			
		No.			
154	Supplying of electric pumping machinery tullu pump 1 HP including all allied accessories with panel board including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	1			
		No.			
155	Construction of shed for pumping sets, filtration chambers including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	1			
		Job			
156	Providing 2.5 mm(Two Dismal Five milimetre) wire to make the connection to panel board and pump including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	50			
		No.			
157	Construction of inspection chambers including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	4			
		No.			
158	Providing and fixing bore type central board including switch gear starter, MCB and valtmeter complete in all respect.	1			
		No.			
159	Supplying cast iron cover without frame for man hole of 500mm(Five Hundred milimetre) internal diameter (Medium duty) the weight of cover to be not less than 58 kgs. including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	4			
		No.			
160	Supplying cast iron cover with rectangular frame 450x610mm(Four Hundred Fifty milimetre into Six Hundred Ten milimetre) internal size (light duty)out frame for man hole of 500mm(Five Hundred milimetre) internal diameter (Medium duty) the weight of cover to be not less than 23kgs. including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	4			
		No.			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
161	Providing and fixing 110 mm (One Hundred Ten milimetre) dia. PVC spigot and socket soil waste and ventilating pipe ISI marked including fixing with approved adhesives etc. complete including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	10.40			
		Rmt			
162	Providing and fixing PVC cowl 110 mm(One Hundred Ten milimetre) dia. including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	9			
		No.			
	Sub-total of Schedule B2: Water supply and sanitary installation work for RLC at Chaupal				

Schedule B3: Electrical work for RLC at Chaupal

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	Electrical work				
163	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with modular switch, modular plates, suitable GI box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	Group - C	267			
		No.			
164	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with 2-way, 5/6 amps. modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
	Group - C	9			
		No.			
165	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No. HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required. 2x2.5 Sq. mm. including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	220.00			
		Rmt			
166	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required including carriage of materials within all leads, lifts	2850.00			
		Rmt			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	and other incidentals and as directed by the Engineer-in-Charge:				
167	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:				
a)	2x1.5 Sq. mm.	850.00			
		Rmt			
168	Wiring for circuit / sub-main with 4x10 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.10 Sq.mm. (4x10+2x10)HRFRLS/PVC insulated single core copper conductor cable for earthing as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	200			
		Rmt			
169	Supplying and drawing following pair of Fire Retardant, PVC insulated 0.5 sq.mm. (FR-Flexible) copper conductor, flat,unarmoured, telephone cable in existing surface / recessed,steel / PVC conduit as required. 2 Pair including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	400.00			
		Rmt			
170	Supplying and drawing LAN cable CAT 5E, solid copper conductor protected with PVC sheath in the existing surface /recessed, steel / PVC conduit as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge:	120.00			
		Rmt			
171	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge: i) 20 mm dia	200.00			
		Rmt			
	ii) 25 mm dia	75.00			
		Rmt			
172	Supplying & fixing of G.I. modular boxes of following sizes along with				

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	modular base and cover plate for modular switches in recess as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	2 modules (78mmx78mmx50mm	197			
		No.			
b)	4 modules(140mmx78mmx50mm	1			
		No.			
c)	6 modules(205mmx78mmx50mm	20			
		No.			
173	Supplying and fixing following rating Modular switch /socket on the existing switch box / cover including connections etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	S.P. 5/ 6 Amps one way switch, Modular Switch	223			
		No.			
b)	S.P. 5/ 6 Amps Two way switch, Modular Switch	9			
		No.			
c)	S.P. 15/ 16 Amps one way switch, Modular Switch	68			
		No.			
d)	5 pin 5/ 6 Amps Modular Socket Outlet.	117			
		No.			
e)	5 pin 15/ 16 Amps Modular Socket Outlet.	68			
		No.			
174	Telephone Socket Outlet,Modular	8			
		No.			
a)	3 pin 20 Amp Modular Switch for Geyser and AC	8			
		No.			
b)	3 pin 20 Amp Modular Socket for Geyser and AC	8			
		No.			
c)	Data Outlet	17			
		No.			
175	Supplying & fixing following size modular base and cover plate on the existing modular metal boxes as required including carriage of materials within all leads, lifts and other incidentals and as directed by the				

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	Engineer-in-Charge.				
a)	Modular base and cover plate, 2 module	197			
		No.			
b)	Modular base and cover plate, 4 module	1			
		No.			
c)	Modular base and cover plate, 6 module	20			
		No.			
176	Supplying and fixing stepped type Modular fan regulator on the existing modular box including making connections etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	46			
		No.			
177	Supplying and fixing ceiling rose on the existing junction box/wooden block including connections etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	14			
		No.			
178	Carriage of ceiling fan and regulator/exhaust fan from store to site.	46			
		No.			
179	Numbering of ceiling fan and regulator/ exhaust fan /fluorescent fitting as required:-	60			
		No.			
180	Extra for fixing the louvers/shutters complete with frame for exhaust fans of all sizes as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	14			
		No.			
181	Supplying and erection of following depth sheet metal cubical pedestal of suitable dimensions with plus-minus 5 cm variation, made from 1.6 mm thick M.S. sheet duly fabricated in a segregated manner for housing of switch fuse units, by welding each compartment on five sides & front side hinged, complete with locking arrangement, with sufficient No. vertical and horizontal intermediate switchgear housing compartments. The cubical pedestal shall have cable entry box at one or two sides, with epoxy powder coated approved paint and bonding to the existing earth etc. The same shall be erected in the 1:2:4 cement concrete plat-form of suitable dimensions 15 cm high from ground level and 45 cm thick. The cubical pedestal shall be 15 cm from the top of cement concrete plat-				

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	form including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	300 mm deep (nominal)	4.50			
		Sqm			
182	Supplying and fixing aluminium alloy or wrought aluminium strip bus-bars suitable for 200 Amp. 415 volts capacity 4 No. each of cross-sectional area (38mmx6mm), in the existing enclosure or cubical panel with all accessories including connections etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	3.00			
		Rmt			
183	Supplying and fixing copper strip bus-bars suitable for 100 Amp. 240 volts capacity 2 No. each of cross-sectional area (25.4mmx3.17mm), in the existing enclosure with all lead and lifts of materials accessories including connections etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	1.00			
		Rmt			
184	Providing and fixing following rating and breaking capacity MCCB in the existing cubical panel board including drilling holes in the cubicle panel, making connections, etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	160 Amp. -16 KA TPN	1			
		No.			
185	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	Single pole. Cat-B.	12			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
		No.			
b)	Double pole Cat-B	7			
		No.			
c)	Triple pole Cat-B TPN	2			
		No.			
d)	32 Amp TPN Cat-B	7			
		No.			
e)	63 Amp TPN Cat-B	9			
		No.			
186	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	25 Amps. Cat-A.	5			
		No.			
b)	63 Amps. Cat-A 4 pole	3			
		No.			
c)	40 Amps. Cat-A 4 pole	1			
		No.			
187	Supplying and fixing 30 Amps, 415 volts, TPN industrial socket outlet, 4-pole & earth, metal enclosed plug top, sheet steel outlet 4-pole & earth metal enclosed plug top sheet steel enclosure, suitable to accommodate a 30 AmpTPN-MCB, on surface or in recess, with chained metal cover for the socket outlet, complete with connections, testing and commissioning etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	3			
		No.			
188	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus- bar, wireset, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required including carriage of materials within all leads, lifts and				

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	other incidentals and as directed by the Engineer-in-Charge.				
a)	Double door-12 way	4			
		No.			
b)	Double door-8 way	1			
		No.			
189	Supplying and fixing of following way triple pole and neutral, sheet steel MCB distribution board, 415 volts, on surface / recess, with provision to mount 8 module incomer, 2 module sub-incomer and SP MCBs as outgoing, complete with tinned copper bus- bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	Double door-2+6 way (8+6+18),horizontal type	2			
		No.			
b)	Double door-2+8 way (8+6+24),horizontal type	1			
		No.			
c)	Double door-2+4 way (8+6+12),horizontal type	1			
		No.			
190	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia,including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	6			
		Set			
191	Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	6			
		Set			
192	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess for loop earthing as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	35			
		Rmt			
193	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess	300.00			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	for loop earthing along with existing surface/recessed conduit/sub-main wiring/cable as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	Rmt			
194	Providing and fixing of lightning conductor finial, made of 25 mm dia. 300 mm long copper tube, having single prong at top, with 85 mm dia 3 mm thick copper base plate including holes etc. complete as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	2			
		No.			
195	Riveting, sweating and soldering of copper/ G.I. tape (with another copper/G.I. tape, base of the finial or any other metallic object) as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	40			
		No.			
196	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required (for vertical run) including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	30			
		No.			
197	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required (for horizontal run)including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	250.00			
		Rmt			
198	Providing and fixing M.V.danger notice plate of 200 mm x 150 mm made of mild steel at least 2 mm thick, and vitreous enameled white on both sides and with inscription in signal red color on front side as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	3			
		No.			
199	Providing and laying of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground; to be laid 1 meter below the ground level including excavation sand cushioning, protective covering and refilling the trench etc. of the required size including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	Armoured cable 4 sq. mm (twin core)	25.00			
		Rmt			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
b)	Armoured cable 6 sq. mm (twin core)	150.00			
		Rmt			
c)	Armoured cable 16 sq. mm (four core)	50.00			
		Rmt			
d)	Armoured cable 70 sq. mm (3.5 core)	250.00			
		Rmt			
200	Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	Armoured cable 16 sq. mm (four core)	10.00			
		Rmt			
b)	Armoured cable 50 sq. mm (3.5 core)	10.00			
		Rmt			
201	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Nonreturn valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	10 Liter capacity water heater (Cat-A)	5			
		No.			
202	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	Ceiling Fan 1200 mm sweep, Category-A including carriage of materials	46			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	No.			
203	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	Exhaust Fan, Heavy duty, 300 mm sweep	15			
		No.			
204	Supplying and fixing of bulk head fitting of all sizes and shapes, containing one No. thread type CFL lamp holder (s), complete with all accessories but excluding CFL lamp including making connections, testing etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	Bulk head fitting, CFL type (Category-A)	8			
		No.			
205	Supplying and fixing of fancy wall bracket containing thread type CFL lamp holder (s) of all sizes and shapes, complete with all accessories but excluding CFL lamp including making connections, testing etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	Fixed Type wall bracket 150 dia, single lamp.(Category-A)	16			
		No.			
206	Providing and fixing of following type of surface mounting with white finished housing powder coated square and round type LED Luminaire complete with all accessories connections, testing and commissioning etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	LCDSPL-R-12 W-CDL (Crompton)	42			
		No.			
b)	LCDSPL-S-18 W-CDL (Crompton)	87			
		No.			

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
207	Providing and fixing of following type of recess mounting with high power factor square and round type LED Luminaire complete with all accessories connections, testing and commissioning etc. as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	LSCRM-12 W-CDL/NW/WW (Crompton)	9			
		No.			
b)	LSCSM-18 W-CDL/NW/WW (Crompton)	52			
		No.			
208	Supplying and erection of Twinkle Make 2 stepped Classic 114-E, steel tubular pole of suitable length. The pole made out of Galvanised Mild Steel Tubes with cast aluminium embellishments-401, having dia. 114 mm at bottom and 60 mm on top with base plate 250x250x12mm. The 60 mm & 114 mm profiles to be joined together with a die cast steel coupling duly riveted/bolted together. The poles to be primer coated and painted with polyurethane paint. The pole provided with a service window at bottom profile comprising 4-way 25 Amp connector terminal and a MCB etc. The pole to be mounted on a 1:2:4 cement concrete base (pedestal) of 450x450 mm and 450 mm L-Type foundation bolts 4x16 mm dia. with nuts, templates and all complete as per approved drawing. Foundation RCC 1:2:4 shall be of size 450x450mm and depth 900 mm c/c as per approved drawing. The foundation shall extend above surrounding ground/driveway level for 200 mm and have slant 63mm dia. PVC sleeve cast insitu foundation for cable entry as per the drawing, complete in all respects as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	Classic steel tubular pole, Overall length 4 meter.	10			
		No.			
209	Supplying and erection of Twinkle Make 2 stepped Classic 114-E, steel tubular pole of suitable length. The pole made out of Galvanised Mild Steel Tubes with cast aluminium embellishments-401, having dia. 114 mm at bottom and 60 mm on top with base plate 250x250x12mm. The 60 mm & 114 mm profiles to be joined together with a die cast steel				

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	coupling duly riveted/bolted together. The poles to be primer coated and painted with polyurethane paint. The pole provided with a service window at bottom profile comprising 4-way 25 Amp connector terminal and a MCB etc. The pole to be mounted on a 1:2:4 cement concrete base (pedestal) of 450X450 mm and 450 mm L-Type foundation bolts 4x16 mm dia. with nuts, templates and all complete as per approved drawing. Foundation RCC 1:2:4 shall be of size 450x450mm and depth 900 mm c/c as per approved drawing. The foundation shall extend above surrounding ground/driveway level for 200 mm and have slant 63mm dia. PVC sleeve cast insitu foundation for cable entry as per the drawing, complete in all respects as required including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	PRECINT Post top lantern - 1X45/55 watt.	10			
		No.			
210	Supply and installation of UPS with Isolation Transformer suitable for three Phase AC input voltage 300V to 450V, 50Hz and Three Phase AC Output voltage 415+/- 1%V 50+/- .5 Hz .It shall Be housed in Rugged Enclosure made of M.S Sheet 1.2mm (minimum) Thick AEsthetically, Finished, Duly Pre-Treated and Coated. Complete with maintainance free Batteries, Electrical interconnection, and battery including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.				
a)	5 KVA (60 Mts. Backup)	1			
		No.			
	Sub-total of Schedule B3: Electrical work for RLC at Chaupal				

Schedule B4: Road / Path work for RLC at Chaupal

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	Road / Path work				
211	Preparation of sub grade by dressing to camber (earth work for the cutting involed for sub grad to be paid for separately depending upon the classification of soil comleted as per HPPWD specifications .	182.00			
		Sqm			
212	Consolidation of sub grad with road roller including making good the undulation etc with earth or quarry soil etc. and rerolling the sub grade complete as per HPPWD specifications including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	182.00			
		Sqm			
213	Providing dry stone Kharanja drain 60 cm (Sixty Centimeter) wide including 25 cm (twenty five centimeter) side stone laid in cement mortar 1:6 (one cement: 6 sand) complete as per HP PWD Specifications including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	50.00			
		Rmt			
213	Stone soling properly hand-packed filling interstices with Kharanja stone and consolidating with power road roller to the requested gradient and comber including spreading watering and rolling of binding materials moorum or earth etc. complete as per HP.PWD specification. 100 mm spread thickness (finished work including materials and labour)including carriage of materials within all leads, lifts and other incidentals and as directed by the Engineer-in-Charge.	42.00			
		Cum			
	Sub-total of Schedule B4: Road / Path work for RLC at Chaupal				

Schedule B5: Environmental Management and Monitoring work for RLC at Chaupal

S. No	Description of items	Quantity & Unit	Rate		Amount
			In figure	In words	
	Environmental Management and Monitoring				
	Construction phase				
215	Air Quality - one location at construction site, thrice a year (one sample pre construction and 6 samples during construction phase; total 7 samples)	7			
		Sample			
216	Water Quality- One ground water sample from construction site (one sample pre construction and 6 samples during construction phase; total 7 samples)	7			
		Sample			
217	Noise Quality-One location at project site (one sample pre construction and 6 samples during construction phase; total 7 samples)	7			
		Sample			
	During defect liability period				
218	Air Quality -one location at CLC site, during the Defect Liability Period	3			
		Sample			
219	Water Quality -one ground water sample at CLC site, during Defect Liability Period.	3			
		Sample			
220	Noise Quality- one location at CLC site, during Defect Liability Period.	3			
		Sample			
	Schedule B5: Environmental Management and Monitoring work for RLC at Chaupal				

C. Construction of City Livelihood Centre (CLC) at Nahan**Schedule C1: Civil Works for RLC at Nahan**

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	EARTH WORK					
1	Excavation in foundation trenches in earth work in all heights and depths in all kinds of soils, including saturated soils comprising of pick work, jumper work and blasting work both in soft and hard rock, with chiseling and wedging out of rock;(where blasting is prohibited) and their intermediate classification of soils including ,dewatering wherever required, setting out to required lines, levels as shown on the drawing and as directed by the Engineer-in- Charge at site, according to the H.P.PWD. specification of 1990 (one thousand nine hundred ninety)volum-i (one) and sorting out useful and unuseful materials and transporation of the unuseful material for disposing at dumping site (to be arranged by the contractor including prescribed dumping charges of MC / Local body charges if levied any) to the satisfcation of Engineer-in-Chargethrough all modes of transporation including head load, animal load or mechanical means alongwith its leveling fine dressing and with all kind of labour, machineries , tools equipmentsand safety measures and incidentals necessary to complete the work by mechanical means and labour (if required). All usefull materials, such as stones, shingles, aggregate and slates shall be properly stacked at site to the maximum possible extent in all leads lifts through all modes of transportation and used/ removed as per the direction of the Engineer-in - Charge. Any loss to the public and private property during the course of execution and disposal of serviceable and unserviceable materials shall be the absolute responsibility of the contractor and shall have to be duly compensated by him in all respects, including	373.81	Per cubic metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	all incidental charges. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.					
2	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material. including all leads, lifts and carriage of materials complete as per entire satisfaction of the Engineer in charge.	37.40	Per cubic metre			
3	Excavation in soil in hilly area by mechanical means including cutting and trimming of sides slopes and disposing of excavated earth with a lift upto 1.5m and a lead upto 20m as per technical specifications clause 1603.1 including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	901.89	Per cubic metre			
4	Excavation in Hilly area in ordinary rock by mechanical means not requiring blasting including cutting and trimming of sides slopes and disposing of excavated earth with a lift upto 1.5m and a lead upto 20m as per technical specifications clause 1603.2 including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	901.89	Per cubic metre			
5	Excavation in drains and channels etc. in all kinds of earth work including spade work, pick work, jumper work, blasting work and chiselling/wedging out of rock etc. including dressing of sides and bed and disposing of excavated earth upto all leads and lifts and disposed earth to be levelled and neatly dressed as directed by	57.50	Per Cubic metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	Engineer-in-charge including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.					
6	Filling in plinth with sand under floors including watering ramming consolidating and dressing complete including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	32.00	Per cubic metre			
	<u>FORM WORK</u>					
7	Providing form work with steel plates 3.15mm (Fifteen millimetre)(three point one five millimetre) thick welded with angle iron in frame 30x30x5mm (Thirty into thirty into five millimetre) ,so as to give a fair finish including centring ,shuttering ,strutting and propping etc. with wooden battens and ballies , height of propping and centring below supporting floor to ceiling up to all heights and removal of the same for insitu-reinforced concrete & plain concrete work in: including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.					
7.1	Foundation footing and basis of columns, etc. and mass concrete.	425.67	Per square metre			
7.2	Flat surfaces such as soffits of suspended floors, roofs, landings and the like :- Floor etc. upto 200mm in thickness	595.32	Per square metre			
7.3	Vertical surfaces such as walls of (any thickness) partitions and the like i/c attached pillars buttresses, plinth and stringcourses and the like.	501.74	Per square metre			
7.4	Columns, pillars, posts and struts :- Square rectangular or polygonal in plan	371.84	Per square metre			
7.5	Stair cases with sloping or stepped soffits excluding landing.	54.40	Per square metre			
7.6	Beams, cantilever, girders and lintels :- Sides and soffits	669.79	Per square			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	of beams, beam haunching cantilevers, brssumers and lintels not exceeding 1 metre in depth in all heights from floor		metre			
7.7	Edges of slabs and break in floors and walls :- Under 20cm wide :-	189.76	Per metre			
7.8	Vertical fins and vertical sun breaks	9.78	Per square metre			
	<u>CEMENT CONCRETE WORK</u>					
8	Providing and laying cement concrete 1:6:12 (One cement : six sand : Twelve graded stone aggregate 40 mm (Forty millimetre) nominal size) and curing complete excluding cost of centring and shuttering in Foundations and plinth including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	65.18	Per cubic metre			
9	Providing and laying cement concrete 1:4:8(One cement; four sand: eight graded crushed stone aggregate 40mm (forty milimetre) nominal size) mechanically mixed including curing excluding cost of centring and shuttering in foundation and plinth including hauling of material in all leads, lifts as per the entire satisfaction and direction of Engineer-in-charge Foundations and plinth	27.99	Per cubic metre			
10	Providing and laying damp proof course 50 mm (Fifty millimetre) thick with cement concrete 1:2:4 (One cement:Two sand:four stone aggregate 12.5mm (Telve point five millimetre) nominal size) and curing complete. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	4.62	Per square metre			
11	Applying a coat of hot bitumen (mexphalt 80/100 or equivalent) using 1.70 kg. per square metre on damp proof course after cleaning the surface with a piece of	4.62	Per square metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	cloth lightly soaked with kerosene oil.					
12	Providing and Laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 1:3:6(One cement : three sand: six crushed stone aggregates curing complete including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	162.62	Per cubic metre			
13	Providing and laying cement concrete 1:2:4 (one cement : two sand : four graded stone aggregate 20mm (Twenty millimetre) (Twenty millimetre) (Twenty millimetre) nominal size) and curing complete excluding cost of centring and shuttering in :-Foundations and plinth including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	6.44	Per cubic metre			
	R.C.C. WORK					
1 4	Providing and laying cement concrete work 1:1½:3 (one cement :one & half sand : three graded stone aggregate 20mm (Twenty millimetre) (Twenty millimetre) nominal size (Twenty millimetre) mechanically mixed and vibrated for compacting concrete and curing complete excluding cost of form work and reinforcement for reinforce cement concrete including carriage of materials in all leads and lifts.					
14.1	Foundation, footing, bases of columns and the like and mass concrete.	73.86	Per cubic metre			
14.2	Walls (Any thickness but not less 0.1m(zero point one metre) thickness.)	49.22	Per cubic metre			
14.3	Suspended floors, roofs, landing and shelves and their support, balconies, beams, girders, bressumers and cantilever.	195.50	Per cubic metre			
14.4	Columns, pillars, posts and struts :-	39.23	Per cubic			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
			metre			
14.5	Stair cases (except spiral stair case.) excluding landing	6.99	Per cubic metre			
14.6	Vertical and horizontal fins (thickness not more than 0.10 m(Zero point one metre)	0.60	Per cubic metre			
15	Providing mild steel/Tor steel reinforcement including cost of binding wire for R.C.C. work including bending, binding and placing in position complete upto all floor level heights Tor steel / TMT:- including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	59714.00	Per kilo gramme			
16	Applying cement slurry on R.C.C. slab or cement concrete work using 2.75 kg.(Two point seventy five kilogramme) of cement per sq.metre of floor area before laying cement concrete flooring including roughening, cleaning of the concrete surfaces complete. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	347.92	Per square metre			
17	Providing in RCC work smooth finishing of the exposed surface with cement mortar 1:3 (One cement : three sand) including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	772.10	Per square metre			
18	Providing throating or plaster drip ans moulding to RCC chajja. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	18.34	Per Rmt			
19	Providing and laying cement concrete 1:8:16 (One cement: Eight sand:sixteen) graded stone aggregate 20mm (Twenty millimetre).(Twenty) nominal size) and curing complete on slab and floor excluding the cost of form work screed laid under flooring.. including all	6.96	Per cubic metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.					
	<u>BRICK WORK</u>					
20	Brick work using common burnt clay Second Class building bricks in foundation and plinth in cement mortar 1:6 (One cement : Six sand) including carriage of material in all leads and lifts :-	40.58	Per cubic metre			
21	Brick work using common burnt clay Second class building bricks in superstructure above plinth level upto all floor levels in cement mortar 1:6 (One cement : six sand) including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	138.11	Per cubic metre			
22	Half brick work using common burnt clay Second class building bricks in foundation & plinth in cement mortar 1:4 (One cement : four sand) including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	54.71	Per square metre			
23	Half brick work using common burnt clay Second class building bricks in superstructure upto all floor levels in cement mortar 1:4 (One cement : four sand) including carriage of material in all leads and lifts complete as per entire satisfaction of the Engineer-in-charge.	262.94	Per square metre			
24	Supplying and filing brick bats in soak pit of following sizes including carriage of materials within all leads and lifts complete as per entire satisfaction of the Engineer-in-charge.	3.98	Per cubic metre			
25	Supplying and filing crushed stone aggregate in soak pit of following sizes including carriage of materials within all leads and lifts complete as per entire satisfaction of the Engineer-in-charge.					
25.1	25 mm (Twenty five millimetre)(Twenty five	1.22	Per cubic			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	millimetre)nominal size		metre			
25.2	12 mm (Twelve millimetre) nominal size	1.76	Per cubic metre			
	<u>STONE WORK</u>					
26	Random rubble masonry /polygonal rubble masonry (uncoursed brought to courses) with hard stone of approved quality in foundation and plinth with cement mortar 1:6.(onecement :6 sand) including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	10.58	Per cubic metre			
27	Square rubble masonry coursed with hard stone of approved quality in foundation and plinth in cement mortar 1 : 4 (1 cement : 4 sand) and including rakingout joints Including carriage of material within all leads and lifts complete as per entire satisfaction of the Engineer-in-charge.	17.08	Per cubic metre			
28	Boulder filling tightly hand packed under floor including watering, ramming, consolidating etc. complete including carriage of material in all leads and lifts charges complete as per entire satisfaction of the Engineer-in-charge.	60.80	Per cubic metre			
	<u>WOOD WORK</u>					
29	Providing and fixing factory made flush door 35 mm (Thirty five millimetre) thick(commercial both sides) i.e non decorative phenol bonded termite resistant and water proof core of block board construction with full frame of 1st class deodar wood and well matched commercial three ply veneer with vertical grain of cross bans and face veneer on both faces of flush door shutter IS no : 2202 of century plyboard (I) ltd or its equivalent including black enameled M.S. iron butt hinges.with necessary screws 35 mm thick including all leads, lifts and carriage of materials and other	128.61	Per square metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
30	incidental charges complete as per entire satisfaction of the Engineer-in-charge. Providing and fixing aluminium sliding door bolts (Barrel type) anodized transparent or dyed to required shade and colour with bolts and nuts etc. complete including carriage of materials in all leads and lifts charges complete as per entire satisfaction of the Engineer-in-charge.					
30.1	300 X 16 mm(Three hundred into sixteen millimetre)	6	Each			
30.2	250 X 16 mm)Two Hundred fifty into sixteen millimetre)	44	Each			
31	Providing and fixing aluminium tower bolts (Berrel type) anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of materials in all leads and lifts charges complete as per entire satisfaction of the Engineer-in-charge.					
31.1	250 X 10 mm (Two Hundred fifty into ten millimetre)	116	Each			
32	Providing and fixing aluminium handles anodized transparent or dyed to required colour or shade with necessary screws etc. complete including carriage of materials in all leads and lifts charges complete as per entire satisfaction of the Engineer-in-charge.					
32.1	125 mm (Twenty five millimetre):-	116	Each			
33	Providing and fixing aluminium 100 mm (One hundred millimetre) (Hundred millimetre) loor door stoper with rubber cushion screws etc. to suit shutter thickness complete, including carriage of materials within all leads and lifts complete as per entire satisfaction of the Engineer-in-charge.	41	Each			
34	Providing and fixing 75 mm .(Seventy five millimetre) rubber door silencer with screws etc. to suit shutter	41	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	thickness including carriage of materials in all leads and lifts. charges complete as per entire satisfaction of the Engineer-in-charge.					
35	Providing and fixing over head hydraulic door closer of approved brand and manufacture (conforming to IS specification ISI marked) for door with screws complete as per the direction of Engineer-In-Charge . including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	35	Each			
36	Providing and fixing bright finished ball catcher 10 mm (Ten millimetre) dia with screws / bolts and nuts etc. complete including carriage of materials in all leads and lifts charges complete as per entire satisfaction of the Engineer-in-charge.	41	Each			
37	Providing and fixing double action hydraulic floor spring of approved brand and manufacture (conforming to I.S.6315) for aluminium door I/C cost of cutting floor as required embedding in floors and cover plates including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge..	2	Each			
38	Providing & fixing M.S single acting spring hinges bright finished with necessary screws etc. complete. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.150 mm (One hundred fifty millimetre)(One hundred Fifty millimetre)	20	Each			
39	Providing & fixing M.S double acting spring hinges bright finished with necessary screws etc. complete. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.					
39.1	150 mm (One hundred fifty millimetre) (One hundred	5	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	Fifty millimetre)					
40	Providing and fixing PGI sheet (0.63 mm thick) lining with necessary screws and nail etc .complete as per Architectural drawing. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	14.45	Per square metre			
41	Providing and fixing M.S. Plain grills of required pattern in wooden / PVC frames of windows etc. with M.S. flats square or round bars with rounded headed bolts and nuts or by screws including carriage of material in all leads and lifts charges complete as per entire satisfaction of the Engineer-in-charge	2066.63	Per kilogramme.			
42	Providing and fixing anodised powder coated 60-70 micron of approved shade aluminium work for door, window, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawlplugs and 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, rustfree, straight, mitred and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/ panelling C.P. brass/ stainless steel screws. All complete as per architectural drawings and the directions of Engineer-in-Charge. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
42.1	For frames of door window and ventilator and glazed partition	326.57	Per kilo gramme			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
42.2	For shutters of doors windows & ventilators including providing and fixing hinges/pivots and making provisions for fixing of fittings where ever required including the cost of PVC/ neoprene EPDM gaskets as required (fittings and lazing/ panelling shall be paid for separately) including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	103.32	Per kilo gramme			
43	Providing and fixing 12mm(Twelve millimetre) thick both side laminated particle board bwp phenol bonded exterior grade of approved shade panels in aluminium door shutter/ partitions withPVC/neoprens gasket and nails (frame work and cover fillets to be measured and paid for separately) including carrage of material within all leads and lifts as per direction of Engineer-in-charge.	11.00	Per square metre			
44	Providing and fixing glazing in aluminium door, window, ventilator shutters and partition etc with PVC/neoprens gasket etc. complete as per the architectural drawings and the directions of Engineer-In_charge (cost of aluminium snap beading shall be paid in basic item.):-(a) Glazing with glass panes of 5.50mm(Five point ffive zero millimetre) thickness (weight not less than 13.75 kg/ sqm(Thirteen point seven five millimetre) including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	16.50	Per square metre			
45	P/F 6 mm(Six millimetre) thick Everest board in ceiling of approved shade and pattern size 600X600 mm mounted on powder coated G.I. frame work fixed / hanging with wall or ceiling etc. with specified clamps and G.I wire and rawl plugs etc. including carriage of material with in all leads and lift complete as per direction of engineer-in- charge.	265.30	Per square metre			
46	Providing and fixing 75mmx60 mm (Seventy five into	49.90	Per metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	sixty millimetre) hand rails in straight lengths complete with first class deodar wood.including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
	PAVING AND FLOORING					
47	Mirror polished Kota stone slab flooring 20mm (Twenty millimetre) (Twenty millimetre) (average) thick base of cement mortar 1:4 (One cement :Four sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab. Including rubbing and polishing complete :-40 mm (Forty millimetre) thick slab size not less than 550mm x 550mm (Five hundred fifty into five hundred fifty millimetre) including carriage of materials within all leads and lifts charges complete as per entire satisfaction of the Engineer-in-charge	804.56	Per square metre			
48	Providing and laying 10 mm (Ten millimetre) thick anti - skid water proof strain and impact resistant heavy duty double charged vetrified tiles (600x600mmx10mm) (Six hundred into six hundred into ten millimetre) of ORIENT-BELL/RAK/AGL/NITCO in grey/coloured or of approved shade in flooring, treads of steps and landing laid on a bed of 12mm (Twelve millimetre) thick cement mortar 1:3 (One cement : three sand) laid over and jointed with neat cement slurry finished with flush pointing in white cement mixed with pigment of required shade to match the shade of tiles complete including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	71.67	Per square metre			
49	Cement concrete flooring 1:2:4 (One cement :two sand : four graded stone aggregate 20mm (Twenty millimetre) (Twenty millimetre) (Twenty millimetre)	11.44	Per square metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	nominal size) laid in one layer finished with a floating coat of neat cement including carriage of materials within all leads and lifts :- 40 mm (Forty millimetre) thick.including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
50	Cement concrete flooring 1:2:4 (one cement : two sand : four graded stone aggregate 20mm (Twenty millimetre) (Twenty millimetre) (Twenty millimetre) nominal size) laid in one layer finished with a floating coat of neat cement 50 mm thick. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.	6.08	Per square metre			
51	Providing and laying non slippery spartic ceramic tiles 400 mm X 400 mm X 5.5 mm thick of ORIENT-BELL/KAJARIA/NITCO in flooring/treads of step laid on bed of 12mm (Twelve millimetre) thick cement mortar 1:3 (One cement : three sand) finished with flush pointing in white cement and jointing with neat cement slurry including carriage of material in all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	106.64	Per square metre			
52	Kota stone slab 25mm thick of slab size not less than 550mmx550mm (Five hundred fifty into five hundred fifty millimetre) in risers of steps,skirting dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (one cement :three sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs including rubbing and polishing complete including carriage of material within all leads and lifts other incidental charges complete as per entire satisfaction of the Engineer-in-charge	63.44	Per square metre			
53	Providing and fixing upto 8mm thick double charged	5.90	Per square			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	vetrified tiles of size 600 mm X 600 mm (Six hundred into six hundred) of NITCO / Orient make or equivalent of approved size shade and colour in dado of steps, skirting etc. in cement mortar 1:3 (one cement : three sand) jointed with cement slurry mixed with pigment to match the shade of tiles as required including carriage of material within all leads and lifts as per direction of Engineer-in-charge and other incidental charges complete as per entire satisfaction of the Engineer-in-charge		metre			
54	Cement plaster skirting (upto 30 cm(Thirty centimetre) height) with cement mortar 1:3 (One cement : three sand) finished with a floating coat of neat cement including rounding of junction with floor including carriage of materials in all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge 20mm (Twenty millimetre) (Twenty millimetre) thick:-	1.43	Per square metre			
55	Providing and fixing White glazed tiles 300 mm X 600mm (Three hundred into six hundred six hundred millimetre) and 8mm (Eighty millimetre) thick of ORIENT/NITCO in skirting risers of steps and dado on 12mm (Twelve millimetre) thick cement mortar 1:3 (one cement : three sand) and jointing with neat cement slurry including carriage of material in all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	393.20	Per square metre			
56	Providing and laying granite slab stone of approved shade with 5cm (Five centimetre) wide flaming band (near semi round nosing of tread) in flooring / tread of steps 25mm (average) thickness base of cement mortar 1:3 (one cement: three sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of granite stone i/c rubbing and polishing	11.73	Per square metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	complete 20mm (Twenty millimetre) average thick.including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
57	Providing and fixing glass strips in joints of terrazzo floors :- 40mm (Forty millimetre) wide and 4mm thick including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge:-	68.64	Per running metre			
58	Extra for making moulded nosing in Terrazo/ Kota stone/Marble stone/Granite stone i/c returned moulded ends and angles to moulding.including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	137.85	Per Rmt			
59	P/L heavy duty precast cement concrete inter locking paver blocks vibro compacted upto M-50 (Fifty) grade i/c border or kurb block grey or coloured over subbase of concrete with 25 mm (Twenty five millimetre)thick average thickness of cement mortar 1:4(One cement : four sand) laid over and jointed with neat cement slurry mixed with pigment to match the shade of blocks i/c curring rubbing and polishing complet (Subbase concrete floor to be paid for 60mm thick inter locking blocks) including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	68.08	Per square metre			
60	Providing and laying 40X40 cm(Forty into forty centimetre) Mandana red sand stone slab flooring 40mm (forty millimetre) average thick on 20mm (Twenty millimetre) (Twenty millimetre) average thick base of cement mortar 1:4 (one cement : four sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab i/c rubbing	6.00	Per square metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	and granite polish finish complete. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
	ROOF COVERING					
61	Providing and fixing 0.60mm thick prepainted steel sheet roofing over steel members/trusses, prepainted galvanised steel of TATA Durashine hot dip metallic zinc coated sheet with the topcoat of regular modified polyster (R.M.P.) organic coating of 20 (twenty micron) over 5 (five) micron runner plus back coat of polyster of micron over 5 (five) microns primer coating 0.60 mm(Zero point sixty millimetre) thickness (having 1060 mm covered with over all width 1126 mm) including all leads lifts and carriage of materials, as per the direction of Engineer-Incharge	347.49	Per square metre			
62	Providing ridges or hips 60 cms.(Sixty centimeters) Overall in 0.60 mm (Zero point six zero millimetre) thick prepainted galvanised steel hot dip metallic zinc coated sheet TATA Durashine with the topcoat of regular modified polyster (R.M.P.) organic coating of 20 (twenty micron) over 5 (five) micron runner plus back coat of polyster of micron over 5 (five) microns primer coating 0.60 mm (Zero point six zero millimetre) thickness (having 1060 mm covered with over all width 1126 mm) fixed with J or L hooks 8 mm(Eight milimeter) dia with limpet and butumen washers complete including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	34.20	Per running metre			
63	Providing Valley 90cms.(Ninety centimeters) TATA Durashine Overall in prepainted galvanised steel hot dip metallic zinc coated sheet with the topcoat of regular modified polyster (R.M.P.) organic coating of 20 (7.00	Per running metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	twenty micron) over 5 (five) micron runner plus back coat of polyster of micron over 5 (five) microns primer coating 0.60 mm thickness (having 1060 mm covered with over all width 1126 mm) fixed with J or L hooks 8 mm(Eight milimeter) dia with limpet and butumen washers complete fixed with J or I hooks 8 mm(Eight milimeter) dia with limpet and butumen washers complete including carriage of materials with in all leads,lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.					
64	Providing and fixing flashing 38cm overall with 0.60 mm (Zero point six zero millimetre) thick of TATA Durashine prepainted sheet of approved brand shade and design in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyster organic coating of 20(Twenty) microns over 5 microns primer coating + back coat of polyster of 5 (Five)microns over 5(Five) microns primer coating i/c fixing with G.I. self drilling screws of required sizes / prepainted iron J or L hooks, bolts and nuts 6mm dia meter & prepainted G.I. limpet & bitumen washers complete with all accessories as required as per the direction of Engineer-in-Charge:-0.60 mm (zero point sixty millimetre) thick sheet including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	10.40	Per running metre.			
65	Providing and fixing on wall face PVC (D-Plast) 150 mm (One hundred fifty millimetre) dia rain water pipes of working pressure not less than 4.5 kg / sqm(Four point five kilogramme per square metre) including filling the joints with approved adhesive complete including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of	148.30	Per running metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	the Engineer-in-charge					
66	Providing and fixing on wall face PVC (D-Plast) accessories for rain water pipes including filling the joints with approved adhesive complete including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
66.1	150 mm (One hundred fifty millimetre) dia PVC plain bend.	14	Each			
66.2	150 mm (One hundred fifty millimetre) dia PVC plain shoe.	7	Each			
66.3	150 mm (One hundred fifty millimetre) dia PVC door bend	7	Each			
67	Providing and fixing M.S. holder bat clamps of approved design to PVC. Pipes embedded in and including cement concrete blocks 10x10x10cms of 1:2:4 mix (1 cement : 2 sand :4 graded stone aggregate 20mm (Twenty millimetre) nominal size) and cost of cutting holes and making good the wall etc:-150mm dia. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	42.00	Each			
68	Providing and fixing M.S. BP Sheet 2mm thick in eaves board/facia/soffits/ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in-charge (Base members of steel work shall be measured & paid separately) including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	10.78	Per square metre			
69	Providing and laying cement water proofing treatment with Dr. FIXIT-FAST FLEX or equivalent with two component polymer modified cementitious coating	70.99	Per square metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	consisting of comentitious powder and a polimer liquid in two coats for Ist coat :- clean and satutae surface and then applying a coat of Dr. FIXIT and the same process shall bne extended upto 300 mm vertically the second coat shall be applied in opposit direction after four to six hours of applicaton of firstly coat than sprinkle san on top surface of applied Dr. FIXIT then apply cement mortar 1 : 4 (1 cement : 4 sand) and admixed with 200 ml of pidiproof LW @ 200 ml per 50 kg bag complete as per architect drawing. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
	STEEL WORK					
70	Steel work welded in built up sections, trusses and framed work, including cutting hoisting fixing in position and applying a priming coat of red lead paint including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
70.1	In truss and trused purlins in buildings.	121.63	Per quintal			
70.2	In gratings, framed, guards, bars ladders and railing, brackets and similar works :-	21.30	Per quintal			
70.3	In beams channel,girdle including hollow sections [window frames] and the like.	19.72	Per quintal			
71	Providing and fixing angle iron door,window frame manufactured from steel iron section 40x40x6mm thickness including hinges ,jamb lock,jamb beeds,beed and if required angle thrashold of mild steel angle 50x25mm welded or rigidly fixed by mechanical means,lux with split end ,tails to each jamb including steel but hinges 2.5mm thick with provision of locking arrangment including applying a priming coat as	288.25	Per Metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	directed by engineer in-charge.including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
72	P/F steel glazed door , windows and ventilators of standard rolled steel section joints,mitled and welded with 16x3.15mm (Fifteen millimetre) lux 10cm long embedded in CC block 1:3:6 or with wooden plugs or rawl plugs and screws or with fixing clips with bolts and nuts as required including providing and fixing glass pans with glazing clips and special metal sesh putty of approved make complete including applying a priming coat of red led paint.including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
72.1	Fixed Steel window	52.32	Per Square Metre			
72.2	Side hung window.	52.32	Per Square Metre			
72.3	Top hung ventilators.	26.16	Per Square Metre			
73	P/F steel wire gauge shutter using galvanised MS wire gauge shutter of IS Gauge designation 85(eighty five) G with wire of dia 0.56mm (zero point five sixmillimetre) for door and windows of standard rolled steel sec. joints mittred and welded MS flat beed or with clips and MS fitting etc complete.including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	52.32	Per Square Metre			
74	Providing and fixing M.S round holding down or anchor bolt with nuts and washer plates complete.including all leads, lifts and carriage of materials and other	3.50	Per quintal			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	incidental charges complete as per entire satisfaction of the Engineer-in-charge					
75	Providing and fixing in position collapsible steel shutter with vertical channels 20mm (Twenty millimetre) (Twenty millimetre) X 10 mm x 2mm (Twenty into ten into two millimetre) and braced with flat iron diagonals 20mm (Twenty millimetre) (Twenty millimetre) X 5 ,, size with top and bottom rail of T iron 40 mm X 40 mm X 6 mm (Forty into forty into six millimetre) with 38 mm(Thirty eight millimetre) dia steel pully complete with bolts and nuts locking arrangements, stopper, handles, including applying a priming apriming coat of read lead paint. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	18.75	Per square metre			
	<u>PAINTING AND POLISHING</u>					
76	Painting two coats (excluding priming coat) on new steel and other metal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
76.1	Enamel paint other then white :-	452.35	Per square metre			
77	Applying priming coat over new wood and wood based surfaces after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter sand papering and knotting including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
77.1	Ready mixed paint brushing wood primer pink :-	342.10	Per square metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
78	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of dirt, dust and other foreign matter, sand papering and stopping including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
78.1	With enamel paint other than white paint :-	342.10	Per square metre			
79	Polishing two coats with french polish on new wood and wood based surfaces to give an even surfaces including cleaning the surfaces of all dirt ,dust and sand papered smooth and including a coat of wood filler.including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	29.20	Per square metre			
	PLASTERING,POINTING,WHITE WASHING,COLOUR WASHING, DISTEMPRING AND OTHER FINISHINGS.	-	-			
80	6mm cement plaster to ceiling in cement mortar 1:3 (One cement : three sand) including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	803.12	Per square metre			
81	15mm (Fifteen millimetre) (Fifteen millimetre) cement plaster in single coat on the rough side of brick/concrete/stone walls for interior plastering upto all floor level including arrises, internal rounded angles, chamfers and/or rounded angles not exceeding 30cm (Thirty centimetre) in girth and finished even and sand opapered smooth including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
81.1	Cement mortar 1:6 (One cement : six sand)	1299.30	Per square metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
82	15mm (Fifteen millimetre) cement plaster in single coat on fair side of brick/concrete/stone walls for interior and exterior plastering upto all floor level including arrises, internal rounded angles, chamfers and/or rounded angles not exceeding 30cm in girth and finished even and smooth including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
82.1	Cement mortar 1:6 (One cement : six sand)	1299.30	Per square metre			
83	15mm (Fifteen millimetre) cement plaster in single coat on the rough/fair side of brick/concrete/stone walls for interior plastering upto all floor level including arrises, internal rounded angles, chamfers and/or rounded angles not exceeding 30cm in girth and finished even and smooth including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
83.1	Cement mortar 1:4(One cement :four sand)	140.79	Per square metre			
84	Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	2945.07	Per square metre			
85	Wall painting two coats or more coats of Acrylic washable emulsion paint of approved brand and manufacture for interior grade on undecorated wall surfaces to give an even shade over and including priming coat of whiting after thoroughly brushing the surce even and sand papered smooth and carriage of	1562.22	Per square metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
86	Finishing wall with APEX exterior grade paint of approved quality or its equal on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly cleaning the surface to remove all dirt, dust and other foreign matter etc and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	580.36	Per square metre			
87	Distempering two coats with oil bound washable distemper of approved brand and manufacture and of required shade on undecorated ceiling and /or sloped roofs to give an even shade over an including a priming coat with distemper primer etc.including carriage of material in all leads, lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	803.12	Per square metre			
	MISCELLANEOUS WORK					
88	Providing plinth protection 50mm thick in cement concrete 1:3:6 (one cement:three sand:six graded stone aggregate 20mm (Twenty millimetre) (Twenty millimetre) nominal size including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	89.98	Per square metre			
89	Providing under layer for plinth protection of 75mm (Seventy five millimetre) thick (unconsolidated) bed of dry brick/ stone aggregate 40mm (Forty millimetre) nominal size with rammed and consolidated and grouted with fine sand including preparation of ground including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	89.98	Per square metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
90	Constructing course rubble hammer dressed U shape covered drain with side wall. 15x22 cm in cement mortar 1:6 (one cement : three sand) and inside plastering with cement plaster 1:3 (one cement : three sand) i/c earth work and laying 10 cm cement concrete in 1:5:10 (one cement : five sand : ten graded stone aggregate) of 40 mm (Forty millimetre) nominal size) and 7.5 cm(Seven point five centimetre) cement concrete 1:2:4 (one cement : two sand : four graded stone aggregate of 20mm (Twenty millimetre) (Twenty millimetre) (Twenty millimetre) nominal size) and finished with a floatong coat of neat cement complete as per standard design. including carriage of materials in all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	104.50	Per metre			
91	Providing chases 75mm wide 50mm deep (average size) in walls for conduit pipes and filling the same with cement concrete 1:3:6 (one Cement : three Sand : six Graded stone aggregate 20mm (Twenty millimetre) (Twenty millimetre) and down gauge) after the conduit pipe is laid and to finally finished matching to wall surface complet (excluding the cost of pipes) complete upto all floor levels including carriage of materials in all leads and lifts. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	466.80	Per running metre			
92	Providing weep holes in bricks/stone masonry plain/reinforced concrete abutment wing wall return wall with 100mm (One millimetre) dia PVC pipe extended through the full width of the structure with slope of 1 vertical and 20 in horizontal towards drawing face complete as per specification clause 614,709,1204,3.7 including all leads, lifts and carriage	105.00	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
93	Back filling behind abutment wing wall and return wall complete as per drawing & technical specification clause 1204.3.8 including carriage of materials with in all leads, lifts and other incidentals complete as per entire satisfaction of the Engineer-in-charge.	7.80	Per cubic metre			
94	Demolition of stone masonry below ground level up to all depth including stacking of serviceable material and disposal of unserviceable material with in 20 metres lead. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
94.1	Rubble masonry in cement mortar	19.50	Per cubic metre			
	Sub-total of Schedule C1: Civil Works for RLC at <u>Nahan</u>					

Schedule C2: Water Supply and Sanitary Installation Works for RLC at Nahan

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	<u>WATER SUPPLY AND SANITARY INSTALLATION</u>					
95	Providing and laying in trenches galvanised mild steel tubes (Medium grade), tube fittings (Earth work in trenches to be measured and paid for separately) including carriage of materials within all leads and lifts :-					
95.1	20mm (Twenty millimetre) nominal bore :-	150.00	Per running metre			
96	Providing and fixing to wall ceiling floor galvanised mild steel tubes (Medium grade), tube fittings and clamps including cutting chase and making good the wall ceiling and floor including carriage of materials in all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
96.1	15mm (Fifteen millimetre) nominal bore :-	249.00	Per running metre			
96.2	20mm (Twenty millimetre) nominal bore :-	50.00	Per running metre			
96.3	25mm (Twenty five millimetre) nominal bore :-	20.00	Per running metre			
96.4	32mm (Thirty Two millimetre) nominal bore :-	50.00	Per running metre			
96.5	40mm (Forty millimetre) nominal bore :-	25.00	Per running metre			
97	Making connection of galvanised steel distribution branch with galvanised mild steel main 20mm to 40mm (Twenty millimetre to forty millimetre) nominal bore by providing and fixing tee including cutting and threading the pipes complete including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	1	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
98	Fixing water metre and stop cock in galvanised mild steel tube including necessary fittings such as mild steel galvanised jam nut, socket etc. cutting and making long screws complete (water meter and stop cock to be paid for separately).including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
98.1	20mm (Twenty millimetre) nominal bore :-	1.00	Each			
99	Providing and fixing PVC water storage tank of ISI :12701 marked G.I inlet and outlet connection 15mm (Fifteen millimetre) nominal bore ball valve and mosquito proof P V C cover with locking arrangements including hosting up to all heights above ground level.including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
99.1	1000 (One Thousand) litres net capacity tank	4.00	Each			
99.2	2000 (Two Thousand) litres net capacity	1.00	Each			
100	Constructing chamber 300 mm X 300 mm X 500 mm (Three hundrd into three hundred into five hundred millimetre) deep inside size for stop cock or inspection chamber with precast RCC 1 :2 : 4 (one cement : two sand : four graded stone aggregate 20 mm (Twenty millimetre) nominal size), foundation concrete 1 : 5 : 10 (one cement : five sand : ten graded aggregate 40 mm nominal size) and inside plastering in cement mortar 1 : 3 (one cement : three sand) finished with floating coat of neat cement including curing complete with 115mm (One hundred Fifteen millimetre) thick walls of brick masonry in cement mortar 1 : 5 (one cement : five sand).including all leads, lifts and carriage of	6.00	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
101	Providing and fixing PVC floor trap of self cleaning design complete including cost of cutting and making good the wall and floors including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
101.1	110 mm (One hundred ten millimetre) x 90 mm :-	34	Each			
102	Providing and laying in trenches 150mm PVC FINOLEX type-B including collar and filling the joints with approved adhesive including carriage of materials within all leads and lifts. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	60.00	Per metre			
103	Providing and fixing pipes on wall face PVC Finolex type-B spigot,socket, waste and ventilating pipes of working pressure not less than 4.5 kg/sqm including collar and filling the joints with approved adhesive with require No. of PVC Finolex clamps complete including carriage of materials within all leads and lifts.					
103.1	150 mm (One hundred fifty millimetre) dia	114.00	Per metre			
103.2	110 mm (One hundred ten millimetre) dia	188.50	Per metre			
104	Providing and fixing PVC single equal branch (a) with oval access door, ISI marked insertion rubber washer 3 mm (Three millimetre) thick bolts and nuts complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
104.1	150 mm (One hundred fifty millimetre) dia	15	Each			
104.2	110 mm (One hundred ten millimetre) dia	20	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
105	Providing and fixing PVC door bend of any degree with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
105.1	150 mm (One hundred fifty millimetre) dia	15	Each			
105.2	110 mm (One hundred ten millimetre) dia	18	Each			
106	Providing and fixing PVC single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads, lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
106.1	150 mm (One hundred fifty millimetre) dia	10	Each			
106.2	110 mm (One hundred ten millimetre) dia	12	Each			
107	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.					
107.1	150 mm (One hundred fifty millimetre) dia	30	Each			
107.2	110 mm (One hundred ten millimetre) dia	40	Each			
108	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials in all leads, lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
108.1	150 mm (One hundred fifty millimetre) dia	10	Each			
108.2	110 mm (One hundred ten millimetre) dia	15	Each			
109	Providing and fixing PVC double equal branch with oval access door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including					

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	carriage of materials in all leads, lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
109.1	150 mm (One hundred fifty millimetre) dia	8	Each			
109.2	110 mm (One hundred ten millimetre) dia	10	Each			
110	Providing and fixing PVC plain double equal branch ISI marked including fixing with approved adhesive etc. complete.including carriage of materials in all leads, lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
110.1	150 mm (One hundred fifty millimetre) dia	10	Each			
110.2	110 mm (One hundred ten millimetre) dia	12	Each			
111	Providing and fixing PVC cowl including carriage of materials within all leads and lifts :-including carriage of materials in all leads, lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
111.1	150 mm (One hundred fifty millimetre) dia.	4	Each			
111.2	110 mm (One hundred ten millimetre) dia.	6	Each			
112	Providing and fixing PVC clamps ISI marked of approved design with steel screws and rawal plugs etc. completeincluding carriage of materials in all leads, lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
112.1	150 mm (One hundred fifty millimetre) dia	30	Each			
112.2	110 mm (One hundred ten millimetre) dia	36	Each			
113	Providing and fixing PVC 'P' or 'S' trap for water closet (squatting pan) ISI marked including jointing the trap with the pan and PVC pipe with approved adhesive etc. complete including carriage of materials in all leads, lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge.					
113.1	150 mm (One hundred fifty millimetre) dia	4	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
113.2	110mm(One hundred ten millimetre)	10	Each			
114	Providing and fixing PVC reducer ISI marked including jointing with approved adhesive etc. complete including carriage of materials in all leads, lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
114.1	150 mm (One hundred fifty millimetre) x 110 mm (One hundred ten millimetre) dia	9	Each			
114.2	110 mm (One hundred ten millimetre) x 90 mm dia (ninety millimetre)	5	Each			
115	Providing and fixing stainless steel sink of approved standar ISI make with drain board and CP waste with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials in all leads, lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
115.1	610x510mm (Six hundred into five hundred ten millimetre) with bowl depth 200mm (Two hundred millimetre) .	3	Each			
116	Chases in stone / brick masonry walls for fixing sand cast iron / cast / spun iron pipes and fitting including making good the same with stone / brick work in cement mortar 1:3 (one cement : three sand) including carriage of materials in all leads, lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
116.1	150 mm (One hundred fifty millimetre) dia.	30	Per running metre			
116.2	100 mm (One hundred millimetre) dia.	40	Per running metre			
117	Providing and fixing vitreous China water closet squatting pan (Indian Type W.C. pan) size 580mm (Earth work, bed concrete, foot rest and traps to be					

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	measured and paid for separately including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
117.1	Orrissa pattern No. 2071	4	Each			
118	Providing and fixing vitreous China wash, down water closet (European Type W.C. pan) with integral 'P' or 'S' trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement : 1 sand) seat and cover to be paid for separately. including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
118.1	European WC Seat Prima No. 2090 of CERA	5	Each			
118.2	Ordinary closet.	4	Each			
119	Providing and fixing 10.00(Ten) ltr.capacity PVC low level dual flushing cistern with a pair of brackets with fittings such as lead valve, less syphon, 15mm (Fifteen millimetre) nominal size PVC ball valve with polythene float, PVC handle, union and coupling for connection with inlet, outlet and overflow pipes 40 mm (Forty millimetre) dia PVC flush bend with cistern and closet & over flow pipe to be paid for separately) including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	13	Each			
120	Providing and fixing G.I inlet connection for flush pipe with pan including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	13.00	Each			
121	Providing and fixing plastic seat (Solid/Hollow type) and cover for wash down water closet with C.P. brass hinges and rubber buffers including carriage of materials within all leads and lifts and other					

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	incidental charges complete as per entire satisfaction of the Engineer-in-charge					
121.1	Solid Type White plastic seat and cover :-	9	Each			
122	Providing and fixing white vitreous China flat back or wall corner type lipped front urinal basin of 430x260x350 (Four hundred thirty into two hundred sixty into three hundred fifty millimetre) and 340x430x205mm(Three hundred forty into four hundred thirty into two hundred five millimetre) sizes respectively with automatic flushing system with fitting RS or CI bracket standard size galvanised steel flush pipe and separator galvanised steel flush pipe and separators with brass union and GI clamps complete including painting of cistern and fitting, cutting and making good the wall, carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
122.1	Range of two urinal bases with 10(Ten) Ltr CI automatic flushing cistern.	4	Each			
122.2	Range of three urinal bases with 10(Ten) Ltr CI automatic flushing cistern.	6	Each			
123	Providing and fixing vitreous China bowl pattern urinal of Cera /Hindware in white shade including connecting the urinal with waste pipe by means of white lead mixed with chopped hemp (waste pipe to be measured and paid for separately) including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
123.1	Flat back type of size 430x260x350mm. (Four hundred thirty into two hundred sixty into three hundred fifty millimetre)	3	Each			
124	Providing and fixing automatic flushing cistern with a					

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	pair of C.I. or M.S. bracket complete with a pair of C.I. or M.S. bracket complete with fittings including C.I. syphonic apparatus, mosquito proof lid, C.P. brass union and coupling for connections with inlet, outlet and over flow pipes including cutting holes and making good the same (over floe pipe to be measured and paid for separately) including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
124.1	Vitreous china. 5 (Five) litres capacity.	3	Each			
125	Providing and fixing C.P. brass flush pipe / spreaders for urinal with fittings such as unions, clamps etc.(all C.P.) including cutting holes and making good the same. including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
125.1	15mm (Fifteen millimetre) nominal bore.	3.00	Per metre.			
126	Providing and fixing vitreous China wash basin of Cera /Hindware in white shade with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials within all leads and lifts :-including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
126.1	Flat back :- 550 X 400 (Five hundred fifty into four hundred) Cera No. 1025 (CLAIR)	13	Each			
126.2	Circular 460 mm (Four hundred sixty millimetre) dia (counter top)	2	Each			
127	Providing and fixing Vitreous China pedestal for wash basin of Cera complete recessed at the back for reception pipe and fittings. including carriage of	15	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
128	Providing and fixing C.P. brass waste (heavy duty ISI marked IS:8931 & 8934) for wash basin or sink including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
128.1	32 mm (Thirty two millimetre) dia	18	Each			
129	Providing & fixing 32 mm (THirty two millimetre) dia M.I. union for wash basin or sink including carrage of material within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	18	Each			
130	Providing and fixing CP bottle trap for wash basin and sink (32 mm (Thirty two millimetre) dia) including carriage of materials in all leads, lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	15	Each			
131	Providing & fixing 100 mm (ONe hundred millimetre) dia C.P. grating for floor or nahani / gully / floor trap including carriage of material within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	34	Each			
132	Providing and fixing 600mmx450mm(Six hundred into four hundred fifty millimetre) bevelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or ply wood sheet and fixed to wooden plugs with C.P. brass screws and washer including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge :-	15	Each			
133	Providing and fixing C.P. brass towel rail (heavy duty ISI marked IS:8931 & 8934) complete with C.P. brass					

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	brackets fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
133.1	600 X 20mm (Six hundred into Twenty millimetre)	19	Each			
134	Providing and fixing 600mmx120mm ((Six hundred into one hundred Twenty millimetre) glass shelf with C .P brass and guard rail complete, fixed to wooden plugs with C. P brass screw including carriage of materials in all leads, lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	5	Each			
135	Providing and fixing CP brass toilet paper holder including carriage of materials within all leads and lifts including carriage of materials in all leads, lifts and and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	5	Each			
136	Providing and fixing chromium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	6	Each			
137	Providing and fixing 100 mm (One hundred millimetre) dia C.P. brass shower rose (heavy duty ISI marked IS:8931 & 8934) with 15mm (Fifteen millimetre) or 20mm (Twenty millimetre) inlet including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	6	Each			
138	Providing and fixing two holes basin mixing faucet including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	10	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
139	Providing and fixing wall mixing faucet for shower and bath hand shower with angular and rest holder including carriage of materials in all leads, lifts and and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	6	Each			
140	Providing and fixing PVC connection pipe (heavy duty ISI marked IS:8931 & 8934) with brass union including carriage of materials within all leads and lifts :- including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
140.1	45cms length :- 15mm (Fifteen millimetre) nominal bore :-	42	Each			
141	Providing and fixing C.P connection pipe (heavy duty ISI marked IS:8931 & 8934) with brass union including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
141.1	45cms length :- 15mm (Fifteen millimetre) nominal bore :-	26	Each			
142	Providing and fixing brass full way valve with wheel including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
142.1	20mm (Twenty millimetre) nominal bore :-	8	Each			
143	Providing and fixing G.I. Or M.I. Union of following sizes (where not included in the item) including carriage of materials within all leads and lifts and other incidental charges complete as per entire satisfaction of the Engineer-in-charge :-					
143.1	15mm (Fifteen millimetre) nominal bore :-	10	Each			
143.2	20mm (Twenty millimetre) (Twenty millimetre) nominal bore :-	10	Each			
144	Providing and fixing vitreous china divisional plate	10	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	white shade for urinal. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
145	Providing and fixing tooth brush and tumbler holder (viterous china) including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	2	Each			
146	Providing and fixing CP brass bib tap (heavy duty ISI marked IS:8931 & 8934) of jaquar with capstan head including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
146.1	15mm (Fifteen millimetre) dia :-	27	Each			
147	Providing and fixing CP brass pillar tap of jaquar/JAL/ESS-ESS with capstan head (heavy duty ISI marked IS:8931 & 8934) including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
147.1	15mm (Fifteen millimetre) dia :-	18	Each			
148	Providing and fixing C.P.brass angle valve of jaquar/JAL/ESS-ESS(heavy duty ISI marked IS:8931 & 8934) including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
148.1	15mm (Fifteen millimetre) dia :-	28	Each			
149	Providing and fixing 15mm C.P mixer ISI marked IS:8931 & 8934 of jaquar for kitchen sink with top / bottom swinging spout including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	3	Each			
150	Providing and fixing PTMT fancy bib cock with flange					

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	of approved quality and colour including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
150.1	15mm (Fifteen millimetre) 15mm	10	Each			
151	Providing and fixing PTMT fancy pillar cock of approved quality and colour including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
151.1	15mm (Fifteen millimetre)	10	Each			
152	Providing and fixing PTMT push cock of Prayag with reducer of approved quality and colour including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
152.1	20mm (Twenty millimetre)*15 (Fifteen millimetre)	10	Each			
153	Providing and fixing PTMT angle cock of Prayag of approved quality and colour including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
153.1	15mm (Fifteen millimetre) with flange	10	Each			
154	Providing and fixing CP or PTMT jet spray with 1 metre tube of Prayag of approved quality and colour including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	9	Each			
155	Providing and laying cement concrete 1 : 4 : 8 (One cement : four sand :eight graded stone aggregate 40 mm (Forty millimetre) nominal size) for surround or in casing PVC pipes of the following diametres, necessary form work and curing complete - 150 mm (One hundred fifty millimetre).including all leads, lifts	60.00	Per metre			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
156	Providing and fixing finolex gully trap complete with C.I. grating, brick masonry chamber in cement mortar 1:5 (One cement:five sand) and water tight precast cemocrete cover with frame (medium duty) of 300 mm (Three hundred millimetre) dia (inside) materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
156.1	180mmx100mm (One hundred eighty into one hundred millimetre) size P type	5	Each			
156.2	180mmx150mm (One hundred eighty into one hundred fifty millimetre) size P or R type	5	Each			
157	Constructing manhole with R.C.C. top slab in 1:2:4 mix (one cement : two sand : four graded stone aggregate 20mm (Twenty millimetre) nominal size), foundation concrete 1:4;8 (one cement ; four sand : eight graded stone aggregate 40 mm (Forty millimetre) nomonal size), inside plastering 15mm (fifteen millimetre) (Fifteen millimetre) thick with cement mortar 1:3 (One cement : Three sand) and finished with floating coat of neat cement and making channels in cement concrete 1:2:4 mix (One cement : Two sand : four graded stone aggregate 20mm (Twenty millimetre) nominal size) finished smooth complete including curing and testing including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
157.1	Inside size 800mmx800mm (Eight hundred into eight hundred millimetre) and 500mm(five hundred millimetre) deep including C.I. cover with frame (light duty single seal pattern-I) 455 mm X 610 mm (four					

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	hundred fifty five into six hundred ten millimetre) internal diamensions total weight of cer and frame to be not less than 38 kg(Thirty eight kilogramme) (weight of cober 23 kg.(Twenty three kilogramme) and weight of frame 15 kg). :-					
	with 230mm(Two hundred thirty) thick walls of brick masonary using common burnt clay building bricks in cement mortar 1:3 (One cement : Three sand) :-	4	Each			
157.2	Inside size 800mmx800mm (Eight hundred into eight hundred millimetre) and 1000mm (Ten thousand millimetre) deep including C.I. cover with frame (light duty single seal pattern-I) 455 mm X 610 mm(Four hundred fifty five millimetre) internal diamensions total weight of cer and frame to be not less than 38 kg (weight of cober 23 kg.(Twenty three kilogramme) and weight of frame 15 kg (Fifteen millimete)). :-					
	with 230mm thick walls of brick masonary using common burnt clay building bricks in cement mortar 1:3 (ONE cement :three sand) :- including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	4	Each			
158	Providing 200 mm (Two hundred millimetre) wide cast iron Rungs with chequered or ribbed non slip surface including fixing in main holes with CC 1:3:6. (One cement: three sand: six crushed stone aggregate)including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	8	Each			
159	Supplying and fixing 600x450 mm (Six hundred into four hundred fifty millimetre) precast RCC Cemocrate cover for manholes complete including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction	2	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	of the Engineer-in-charge					
160	Supplying and fixing 600 mm (Six hundred millimetre) internal dia precast RCC Cemocrate cover for manholes complete including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	2	Each			
161	Supplying and fixing precast 300 mm (Three hundred millimetre) dia RCC cover for manholes complete including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	10	Each			
162	Providing and installing Mono Block Electric pump 2 (Two) HP single phase of Kirloskar make or equivalent including fixing complete. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	1.00	Each			
163	Cutting holes through existing brick work including making good the same in cement mortar 1:6 (one cement: six sand) per CMs. Depth of cutting :-Holes upto and including 400 Sq.cm(Four hundred square metre) in area.including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	600.00	Per cm. depth of cutting			
164	Cutting holes upto 15 cm x 15 cm (fifteen into fifteen centimetre) in R.C.C beams / floors and roofs for passing drain pipe etc. and repairing the holes after insertion of drain pipe etc. with cement concrete 1:2:4 (One cement : two sand : four graded stone aggregate 20mm (Twenty millimetre) nominal size) including finishing complete so as to make it leak proof. including all leads, lifts and carriage of materials and other incidental charges complete as	30	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	per entire satisfaction of the Engineer-in-charge					
165	Supplying and fixing 450mm X 600 mm cast iron cover without frame for manholes complete including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge :-	3.00	Each			
166	Supplying and fixing 300 mm X 300 mm cement concrete cover for gully trap complete including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	20	Each			
	Sub-total of Schedule C2: Water Supply and Sanitary Installation Works for RLC at <u>Nahan</u>					

Schedule C3: Environmental Component for RLC at Nahan

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	<u>ENVIRONMENT COMPONENT</u>					
167	Air Quality one Location of construction of site, thrice a year (One sample pre construction and 6 samples during construction phase total 7 sample including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	7.00	Sample			
168	Water quality-One ground water sample from construction site (One sample pre construction and 6 sample during construction Phase-,Total 7 Sample including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	7.00	Sample			
169	Noise Quality-One location at project site (One sample pre construction and 6 sample during construction Phase,total 7 sample including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	7.00	Sample			
169.1	Air Quality one location at CLC site, during the Defect liability Period including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	3.00	Sample			
169.2	Water Quality-One ground water sample at CLC site, during Defect liability period including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	3.00	Sample			
169.3	Noise quality -one location at CLC site, during defect liability period. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	3.00	Sample			
Sub-total of Schedule C3: Environmental Component for RLC at Nahan						

Schedule C4: Electrical Installation Works for RLC at Nahan

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	<u>ELECTRICAL INSTALLATION</u>					
170	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required Group-C including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	214	Each			
171	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with 2-way, 5/6 amps. modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required. Group-C including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	3	Each			
172	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No. HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required. 2x2.5 Sq. mm. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	140	p/mtr			
173	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke	1505	per mtr			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
174	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	100	per mtr			
175	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
175.1	2x1.5 Sq. mm.	460	per mtr			
175.2	2*6 Sq mm.	160	per mtr			
175.3	Wiring for circuit / sub-main with 4x10 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.10 Sq.mm. (4x10+2x10)HRFRLS/PVC insulated single core copper conductor cable for earthing as required including all leads, lifts and carriage of	120	per mtr			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
176	Supplying and drawing following pair of Fire Retardant, PVC insulated 0.5 sq.mm. (FR-Flexible) copper conductor, flat, unarmoured, telephone cable in existing surface / recessed, steel / PVC conduit as required. 2 Pair including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	280	per mtr			
177	Supplying and drawing LAN cable CAT 5E, solid copper conductor protected with PVC sheath in the existing surface / recessed, steel / PVC conduit as required including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge	140	per mtr			
178	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required:- 20 mm dia	400	per mtr			
178.1	25 mm dia	50	per mtr			
179	Supplying & fixing of G.I. modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
179.1	2 modules (78mmx78mmx50mm	28	Each			
179.2	4 modules(140mmx78mmx50mm	99	Each			
179.3	6 modules(205mmx78mmx50mm	23	Each			
179.4	8 modules (120mmx135mmx60mm	2	Each			
180	Supplying and fixing following rating Modular switch /socket on the existing switch box / cover including connections etc. as required including all leads, lifts					

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
180.1	S.P. 5/ 6 Amps one way switch, Modular Switch	190	Each			
180.2	S.P. 5/ 6 Amps Two way switch, Modular Switch	8	Each			
180.3	S.P. 15/ 16 Amps one way switch, Modular Switch	48	Each			
180.4	5 pin 5/ 6 Amps Modular Socket Outlet.	86	Each			
180.5	5 pin 15/ 16 Amps Modular Socket Outlet.	48	Each			
180.6	Telephone Socket Outlet, Modular	7	Each			
181	Supplying & fixing following size modular base and cover plate on the existing modular metal boxes as required:-					
181.1	Modular base and cover plate, 2 module	28	Each			
181.2	Modular base and cover plate, 4 module	99	Each			
181.3	Modular base and cover plate, 6 module	23	Each			
181.4	Modular base and cover plate, 8 module	2	Each			
182	Supplying & fixing Modular blanking plate on the existing modular metal box as required:-	10	Each			
183	Supplying and fixing stepped type Modular fan regulator on the existing modular box including making connections etc. as required.	34	Each			
184	Extra for fixing the louvers/shutters complete with frame for exhaust fans of all sizes as required:-	12	Each			
185	Supplying and erection of following depth sheet metal cubical pedestal of suitable dimensions with plus-minus 5 cm variation, made from 1.6 mm thick M.S. sheet duly fabricated in a segregated manner for housing of switch fuse units, by welding each compartment on five sides & front side hinged, complete with locking arrangement, with sufficient No. vertical and horizontal intermediate switchgear	3.5	psq/m			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	housing compartments. The cubical pedestal shall have cable entry box at one or two sides, with epoxy powder coated approved paint and bonding to the existing earth etc. The same shall be erected in the 1:2:4 cement concrete plat-form of suitable dimensions 15 cm high from ground level and 45 cm thick. The cubical pedestal shall be 15 cm from the top of cement concrete plat-form:- 300 mm deep (nominal)					
186	Supplying and fixing copper strip bus-bars suitable for 200 Amp. 415 volts capacity 4 No. each of cross-sectional area (25.4mmx4.75mm), in the existing enclosure with all accessories including connections etc. as required	1	Each			
187	Supplying and fixing sheet metal bus-bar chamber suitable for 100 Amp. 415 volts capacity with 4 No. copper strip bus-bars each of length 450mm & cross-sectional area (25.4mmx3.17mm), enclosure made from 1.6 mm thick M.S. sheet having overall dimensions (530mmx400mmx150mm) nominal with all accessories including connections, earthing the body etc. as required:-	1	Each			
188	Supplying and fixing sheet metal bus-bar chamber suitable for 63 Amp. 415 volts capacity with 4 No. copper strip bus-bars each of length 300mm & cross-sectional area (16mmx3.17mm), enclosure made from 1.6 mm thick M.S. sheet having overall dimensions (380mmx350mmx150mm) nominal with all accessories including connections, earthing the body etc. as required:-	1	Each			
189	Providing and fixing following rating and breaking capacity MCCB in the existing cubical panel board including					

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	drilling holes in the cubicle panel, making connections, etc. as required.					
189.1	200 Amp. -25 KA	1	Each			
189.2	100 Amp. -16 KA	1	Each			
190	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- Single pole. Cat-B.	96	Each			
191	Supplying and erection of 40/50/63 amps rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- Double pole. Cat-A.	19	Each			
192	Supplying and fixing 20 Amps, 240 volts, SPN industrial socket outlet, 2-pole & earth, metal enclosed plug top, sheet steel enclosure, suitable to accommodate a 20 Amp SPN-MCB/DP, on surface or in recess, with chained metal cover for the socket outlet, complete with connections, testing and commissioning etc. as required	18	Each			
193	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wireset, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-					
193.1	Double door-12 way	4	Each			
193.2	Double door-8 way	10	Each			
193.3	Double door-6 way	3	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
194	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required	2	per set			
195	Extra for using salt and charcoal for G.I. or copper plate earth electrode complete as required.	2	per set			
196	Supplying and laying 8 SWG Copper wire at 0.50 mtr. Below ground level for earth electrode conductor, including soldering etc. as required.	35	per mtr			
197	Providing and fixing of lightning conductor finial, made of 25 mm dia. 300 mm long copper tube, having single prong at top, with 85 mm dia 3 mm thick copper base plate including holes etc. complete as required	1	Each			
198	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required (for vertical run)	50	Each			
199	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required (for horizontal run)	75	per mtr			
200	Providing and laying of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground; to be laid 1 meter below the ground level including excavation sand cushioning, protective covering and refilling the trench etc. of the required size:-					
200.1	Armoured cable 4 sq. mm (twin core)	25	p/mtr			
200.2	Armoured cable 6 sq. mm (twin core)	150	p/mtr			
200.3	Armoured cable 16 sq. mm (four core)	75	p/mtr			
200.4	Armoured cable 95 sq. mm (3.5 core)	200	p/mtr			
201	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by	6	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Nonreturn valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required:- 25 Liter capacity water heater (Cat-A) including all leads, lifts and carriage of materials and other incidental charges complete as per entire satisfaction of the Engineer-in-charge					
202	Providing, Installation, testing and commissioning of ceiling fan with regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:- Ceiling Fan 1200 mm sweep, Category-A	34	Each			
203	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:- Exhaust Fan, Heavy duty, 300 mm sweep	12	Each			
204	Supplying and fixing of bulk head fitting of all sizes and shapes, containing one No. thread type CFL lamp holder (s), complete with all accessories but excluding CFL lamp including making connections, testing etc. as required. Bulk head fitting, CFL type (Category-A)	7	Each			
205	Supplying and fixing of fancy wall bracket containing thread type CFL lamp holder (s) of all sizes and shapes, complete with all accessories but excluding CFL lamp including making connections, testing etc. as required Fixed Type wall bracket 150 dia, single	15	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	lamp.(Category-A)					
206	Providing and installation of following type of surface mounting slim square type LED panel in white finish with anti glare polycarbonate diffuser and seprated energy efficient constant current, non-integral, electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Panasonic or any other approved by Engineer-in-Charge. Led 15 Watt	29	Each			
207	Providing and installation of following type of surface mounting slim square type LED panel in white finish with anti glare polycarbonate diffuser and seprated energy efficient constant current, non-integral, electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Panasonic or any other approved by Engineer-in-Charge. Led 20 Watt	79	Each			
208	Providing and installation of following type of surface mounting slim circular type LED downlight in white finish with anti glare polycarbonate diffuser and energy efficient constant current, non-integral, electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Panasonic or any other approved by Engineer-in-Charge.Led DownLight 12W	3	Each			
209	Providing and installation of following type of surface mounting slim circular type LED downlight in white finish with anti glare polycarbonate diffuser and	35	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	energy efficient constant current, non-integral, electronic driver; suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Panasonic or any other approved by Engineer-in-Charge.Led DownLight 18W					
210	Supplying and erection of Twinkle Make 2 stepped Classic 114-E, steel tubular pole of suitable length. The pole made out of Galvanised Mild Steel Tubes with cast aluminium embellishments-401, having dia. 114 mm at bottom and 60 mm on top with base plate 250x250x12mm. The 60 mm & 114 mm profiles to be joined together with a die cast steel coupling duly riveted/bolted together. The poles to be primer coated and painted with polyurethane paint.The pole provided with a service window at bottom profile comprising 4-way 25 Amp connector terminal and a MCB etc. The pole to be mounted on a 1:2:4 cement concrete base (pedestal) of 450X450 mm and 450 mm L-Type foundation bolts 4x16 mm dia. with nuts, templates and all complete as per approved drawing. Foundation RCC 1:2:4 shall be of size 450x450mm and depth 900 mm c/c as per approved drawing.The foundation shall extend above surrounding ground/driveway level for 200 mm and have slant 63mm dia. PVC sleeve cast insitu foundation for cable entry as per the drawing, complete in all respects as required Classic steel tubular pole, Overall length 4 meter.	10	Each			
211	Supplying and fixing of Twinkle make PRECINT ornamental Post Top Lantern Cat No. TDUL- 106 suitable for 1X45/55w E-27 lamp, spun aluminium powder coated top and die cast aluminium base, with	10	Each			

S. No	Description of items	Quantity	Unit	Rate		Amount
				In figure	In words	
	prismatic/Opal diffuser, complete with all accessories and 1No. 45w E-27 lamp including making connections, testing etc. as required. PRECINT Post top lantern - 1X45/55 watt.					
212	Supply and installation of UPS with Isolation Transformer suitable for three Phase AC input voltage 300V to 450V, 50Hz and Three Phase AC Output voltage 415+/- 1%V 50+/-5 Hz .It shall Be housed in Rugged Enclosure made of M.S Sheet 1.2mm (minimum)Thick AEsthetically, Finished, Duly Pre-Treated and Coated. Complete with maintainance free Batteries, Electrical interconnection, and battery . 5 KVA (60 Mts. Backup)	1	Each			
	Subtotal of Schedule C4: Electrical Installation Works for RLC at <u>Nahan</u>					