

Volume – II

(Specifications)

S.No.	ITEM NO	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
1	6.7(a)	Earth work in excavation of foundations of bridges culverts, buildings including handling of material with a combined lead of 15 metres dressing of bed and sides stacking the excavated soil from the edge of excavation and subsequent filling (a) For ordinary gravel soil involving pick work	3082.72	CUM		
2	9.1	Shuttering for faces of concrete foundations and foundation beam & plinth beam (vertical or battering)	337.19	SQMtr.		
3	10.11 (B) ii	Cement concrete 1:4:8 With stone aggregate 40mm gauge mixing by mechanical means using concrete mixer volumetric type	261.59	CUM		
4	10.16	Reinforced cement concrete M-25 mechanically batch mixed using batch type concrete mixer as per IS:1791 and vibrated by needle vibrator but excluding steel reinforcement centring and shuttering in foundation and plinth	294.63	CUM		
5	18.19	Cold twisted detormed (Ribbed/ Tor steel) Bars (Fe 550 grade as per IS 1786-2008) , for R.C.C works, where not including in the complete rate of RCC including binding, bending and placing in position complete	1454.59	QNTL.		
6	10.21	Reinforced cement concrete M-25 mechanically batch mixed using batch type concrete mixer as per IS:1791 and vibrated by needle vibrator but excluding steel reinforcement centring and shuttering in superstructure.	887.32	CUM		
7	9.3	Centring and shuttering for faces of walls, partitions, retaining walls and the like (vertical or battering) including attached pilasters, buttresses etc when curved.	1028.95	SQMtr.		
8	9.5	Centring and shuttering for columns (Square or rectangular or poly gonal in plain)	1075.70	SQMtr.		
9	9.8	Centring and shuttering for flat surfaces such as suspended floors, roofs, landings, chajjas, shelves etc.	2488.18	SQMtr.		
10	9.6	Centring and shuttering for sides and soffits of beam, beams, launching girders, bressummers, lintels.	1609.21	SQMtr.		
11	9.9	Centring and shuttering for stair cases with sloping with soffits including risers and stringers.	208.79	SQMtr.		
12	11.4 (i)	First class burnt brick work laid in cement sand mortar 1:6 in first storey upto 4 metres aboveplinth level.	169.23	CUM		
13	10.9 (B) ii	Cement concrete 1:5:10 With stone aggregate 40mm gauge mixing by mechanical means using concrete mixer volumetric type	47.90	CUM		

14	11.72	Providing and laying autoclaved aerated cement blocks masonry with 100mm thick AAC blocks in super structure above plinth level in cement mortar 1:4 (1 cement: 4 fine sand) The rate includes providing and placing in position 2 Nos. 6 mm Dia M.S. bars at every third course of masonry work.	39.54	CUM		
15	15.9	12.5 mm thick cement plaster 1:4	6361.12	SQMtr.		
16	15.22	Extra for plastering exterior walls of height more than Third storey from ground level for every additional height of single storey or part thereof.	1120.57	SQMtr.		
17	16.73	Preparation of plastered or concrete surface for painting (including sand papering the surface) using Acrylic Wall Putty by applying two or more coats to get required finish including priming coat to make an even surface before applying acrylic wall putty on new plastered surface. Complete as per specifications	5992.54	SQMtr.		
18	16.63	Wall painting with plastic emulsion paint of approved brand and manufacturer to give an even shade (two or more coats)	4811.40	SQMtr.		
19	16.60	Finishing walls with Premium Acrylic smooth exterior paint with silicon additives of required shade with two or more coats applied @ 1.43litre/10 Sqm over and including base coat of water proofing Cement Paint applied @ 2.20 Kg/10 Sqm	1672.53	SQMtr.		
20	30.82	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of: i) Ist course of applying cement slurry @ 4.4 Kg/ sqm mixed with water proofing compound conforming to IS : 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. ii) IInd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. iii) IIIrd course of applying blown or residual bitumen applied hot at 1.7 kg per sqm of area iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/sqm).	85.98	SQMtr.		
21	11.82	Providing and laying in super structure for first storey factory made with vibro-hydraulic compaction machine precast Hollow block of cement concrete setting in position with cement mortar 1:3 (1 cement:3 coarse sand) including cost of hosting, centering and shuttering complete as per IS:2185 (Part-1): 2005.	341.53	CUM		
22	11.34	115 mm thick brick wall with every fourth course reinforced with hoop iron laid in 1:4 cement mortar in superstructure	110.97	SQMtr.		

23	14.1	Laying of Dry Brick Ballast 40 mm gauge for flooring.	99.51	CUM		
24	14.11	Screed of 50mm thick cement concrete 1:8:16 to be laid below the topping using mechanical mixer for mixing of material	2610.30	SQMtr.		
25	14.115] (A)	Providing and laying vitrified floor tiles in different sizes in light colour shades made using Full Body Technology (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement: 4 fine sand), complete. (Full body vitrified tiles have pigment in entire body / thickness of tile which makes chips and scratches less noticeable and make na ideal choice for high traffic zones.) Size 600x600 mm	2296.71	SQMtr.		
26	14.135	Providing and Laying Out Door precast designer chequered tiles of any size & any shape 25mm thickness having top layer of white cement mixed with pigment, laid on 20mm thick bed of ordinary cement mortar 1:3 (1 ordinary cement: 3 fine sand), joints grouted with white cement slurry containing pigment to match the shade complete in all respect as per specifications and to the entire satisfaction of engineer-in-charge.	161.71	SQMtr.		
27	14.117	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.	2296.71	SQMtr.		
28	14.118 (A)	Grouting the joints of flooring tiles having joints of 3 mm width, using 2mm to 3 mm gap using spacers and later this gap to be filled with cement based grout) with Cement base grout and matching pigments etc., complete, including filling / grouting and finishing complete as per direction of Engineer-in-charge.	2296.71	SQMtr.		
29	14.120 (A)	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge. Size 600x600 mm.	2296.71	SQMtr.		

30	13.85 (ii)	Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part 4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on inter-locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and Lshape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall wood screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge. With fully perforated 12 mm thick micro tegular edged or 10 mm thick square edged GRG false ceiling tiles.	2296.71	SQMtr.		
31	17.45 (A)	Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate z sections and other sections conforming to Is: 733 and IS : 1285 of Jindal, Hindalco, Mahavir or equivalent make approved by Engineer in Charge , fixed with rawl plugs and screw 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 Plug/neoprene felt etc. aluminum sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, aluminum snap beading for glazing/paneling, C.P.brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-In- Charge. (Glazing and paneling to be paid for separately) : For fixed portion and chawkhats	1305.00	K.G.		

32	17.45 (B)	Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate z sections and other sections conforming to Is: 733 and IS : 1285 of Jindal, Hindalco, Mahavir or equivalent make approved by Engineer in Charge , fixed with rawl plugs and screw 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 Plug/neoprene felt etc. aluminum sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, aluminum snap beading for glazing/paneling, C.P.brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-In- Charge. (Glazing and paneling to be paid for separately) : For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and labour for fixing of fittings wherever required including the cost of PVC Plug / neoprene gasket required	1875.00	K.G.		
33	28.19 (B)	CONCEALED IN WALL: Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes as per IS 15778 (ISI marked with the prior approval of Engineer-in- Charge), having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing including jointing of pipes & fittings, with one step CPVC solvent cement and testing of pipes complete as per direction of Engineer-in-Charge.SDR 11 CPVC pipes & fittings 20mm o/d	352.13	R/MTR.		
34	28.19 (D)	CONCEALED IN WALL: Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes as per IS 15778 (ISI marked with the prior approval of Engineer-in- Charge), having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing including jointing of pipes & fittings, with one step CPVC solvent cement and testing of pipes complete as per direction of Engineer-in-Charge.CPVC SDR 11 Pipe & fitting 32mm o/d	65.85	R/MTR.		

35	28.19 (F)	CONCEALED IN WALL: Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes as per IS 15778 (ISI marked with the prior approval of Engineer-in- Charge), having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing including jointing of pipes & fittings, with one step CPVC solvent cement and testing of pipes complete as per direction of Engineer-in-Charge.CPVC SDR 11 Pipe & fitting 50mm o/d	36.59	R/MTR.		
36	30.74 (B) b	Providing and fixing in position singel socket SWR UPVC soil waste or antisiphonage pipes as per IS 13592 of E.D.C manufacture or of any other reputed firm including cutting, jointing, wastage, but excluding cost of jointing. Single Socket Type B 110mm o/d SWR UPVC pipe lines laid complete	146.34	R/MTR.		
37	30.81 (iii) (B) iii	Providing and fixing in position SWR UPVC special for soil waste vent or anti syphonage pipes as per as per IS - 14735 including cutting and wastage etc. cutting holes in walls roofs or floors etc. and making good to its original condition but excluding cost of lead joining.For 110mm o/d pipes Single Tee	36.00	EACH		
38	30.81 (iii) (B) v	Providing and fixing in position SWR UPVC special for soil waste vent or anti syphonage pipes as per as per IS - 14735 including cutting and wastage etc. cutting holes in walls roofs or floors etc. and making good to its original condition but excluding cost of lead joining.For 110mm o/d pipes Elbow 90 Degree (All side socketed	42.00	EACH		
39	30.81 (iii) (B) ix	Providing and fixing in position SWR UPVC special for soil waste vent or anti syphonage pipes as per as per IS - 14735 including cutting and wastage etc. cutting holes in walls roofs or floors etc. and making good to its original condition but excluding cost of lead joining.For 110mm o/d ipes P Trap/Floor Trap 110mm x 110mm	42.00	EACH		
40	30.81 (iii) (B) xi	Providing and fixing in position SWR UPVC special for soil waste vent or anti syphonage pipes as per as per IS - 14735 including cutting and wastage etc. cutting holes in walls roofs or floors etc. and making good to its original condition but excluding cost of lead joining.For 110mm o/d pipes Single Y-Junction	36.00	EACH		

41	31.36	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer in charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding. Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done. Providing and fixing plastic rings 3.80cm. dia. With hooks for curtains. Providing and fixing steel rings chrome plated 3.80 cm. dia. for curtains. (Market Rate)	1877.62	SQMtr.		
42	13.78	Providing & laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer- in- charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/ brick bats 25mm to 115mm size with 50% of cement mortar 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge over 20mm thick layer of cement mortar of mix 1:5 (1 cement L5 coarse sand) admixed with water proofing compound conforming to IS :2645 and approved by Engineer.	689.34	SQMtr.		
43	14.147	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	1738.26	SQMtr.		

44	15.75	Forming groove of uniform size from 12x12mm and upto 25x15mm in plastered surface as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repairs to the edges of plaster panel and finishing the groove complete as per specifications and direction of the Engineer-in-Charge.	1738.26	R/MTR.		
45	17.106	Providing and supplying aluminum extruded tubular and other aluminum sections as per the architectural drawings and approved shop drawings, the aluminum quality as per grade 6063 T5 or T6 as per BS 1474, including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge. (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminum frame work. Nothing extra shall be paid on this account). The weight of aluminum extruded section shall be taken for purpose of payment.	1446.55	K.G.		
46	17.102	Designing, fabricating, testing, installing and fixing in position Curtain Wall with aluminum Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building, for all heights and all levels etc. including:	258.97	SQMtr.		
47	17.107	Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including: (a) Structural analysis & design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminum cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)-cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against fire hazard including (b) Fabricating and supplying serrated M.S. hot dip galvanised / aluminum alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimensional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon separator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers. (c) Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural silicone sealant of required bite size in a clean and controlled factory / work shop environment, including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacture, as per the approved sealant design, within and all around the perimeter for holding glass. (d) Providing and fixing in position flashings of solid aluminum sheet 1 mm thick and of sizes, shapes and profiles, as required as per the site conditions, to seal the gap between the building structure and all its interfaces with curtain glazing to make it watertight	78.07	SQMtr.		

48	17.47.1	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC Plug/ neoprene 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) Float glass panes of 5 mm thickness	117.10	SQMtr.		
49	17.108 (i)	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors	34.00	EACH		
50	30.21 (A) iii	Providing and fixing partition for different type of urinal Toughened Glass Partition 8mm thickness size 450 x 900 mm C/S	12.00	EACH		
51	30.65 (A) ii	Providing & fixing in position 15 mm i/d bib cock of approved make (to the approval of Engineer-in-charge) complete in all respect. C.P. brass Bib cock foam flow without flange	30.00	EACH		
52	30.74 iii (B) a	Providing and fixing in position single socket SWR UPVC soil waste or antisiphonage pipes as per IS 13592 of E.D.C manufacture or of any other reputed firm including cutting, jointing, wastage, but excluding cost of jointing. Single Socket Type B 160mm o/d SWR UPVC pipe lines laid complete	48.78	R/MTR.		
53	17.101	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge	25.56	SQMtr.		
54	17.78	Providing & fixing 12" stainless steel tower bolts ISI marked on door & window frames complete in all respect as per the directions of Engineer-in-charge.	68.00	EACH		
55	17.70	Providing & fixing 9" stainless steel handles ISI marked on door & window frames complete in all respect as per the directions of Engineer-in-charge.	136.00	EACH		
56	6.6	Earth work in excavation in foundations trenches etc. in all kinds of soil where Pick-Jumper work is not involved and not exceeding 2.0 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil clear from the edge of excavation and subsequent filling around masonry in 15 cm, layers with compaction including disposal of all surplus soil as directed within lead of 30 metres.	123.16	CUM		
57	10.6 (B) ii	Cement concrete 1:8:16 With stone aggregates 40mm gauge mixing by mechanical means using concrete mixer volumetric type	4.23	CUM		

58	29.46 (B) b	Providing, lowering in trenches to correct gradient and alignment, jointing with tyton rubber joint and cutting of reinforced cement concrete spigot and socketed pipes and specials with rubber ring ISI marked as per IS code IS 458-2003 into trenches for all depths and laying out the same to correct alignment, gradients, levels etc. cutting of concrete beds and joints holes, supporting the pipes and specials in correct position in a suitable rigid manner while the same are being jointed and until the surrounding benching's, haunches and envelopes are completed. The pipes shall rest on the beds at all joints through their lengths and fixing of rubber ring, facing, testing the pipes for leakage and making good the same leakage and all defects to the entire satisfaction of the Engineer-in-charge including all cartage etc R.C.C. Pipe NP -2 150mm i/d pipe	110.39	R/MTR.		
59	29.60 (A)	Construction of brick masonry inspection chambers size as given below up to 0.60 metre average depth in 1:5 cement sand mortar, C.C.1:4:8 (150mm thick) in foundation, cement concrete 1:2:4 benching 12.50mm thick cement plaster 1:2 with a floating coat of 1mm thick of neat cement, R.C.C. 1:2:4 slabs 100mm thick cement concrete topping 50mm thick with 455mm x 455mm, 455mm x 610mm inside R.C.C. inspection chamber cover and frame (Weight as per I.S.I specifications) painted with 3 coats of black bitumastic paint conforming to I.S.I complete as per standard design. Size 450mm x 450mm inside with RCC 455mm x 455mm cover and frame light duty double seal	4.00	EACH		
60	29.60 (B)	Construction of brick masonry inspection chambers size as given below up to 0.60 metre average depth in 1:5 cement sand mortar, C.C.1:4:8 (150mm thick) in foundation, cement concrete 1:2:4 benching 12.50mm thick cement plaster 1:2 with a floating coat of 1mm thick of neat cement, R.C.C. 1:2:4 slabs 100mm thick cement concrete topping 50mm thick with 455mm x 455mm, 455mm x 610mm inside R.C.C. inspection chamber cover and frame (Weight as per I.S.I specifications) painted with 3 coats of black bitumastic paint conforming to I.S.I complete as per standard design. 450mm x 600mm inside with 455mm x 610mm cover and frame light duty double seal	14.00	EACH		

61	29.63 (A) a	Constructing brick masonry road gully chambers as per standard drawings (as per sizes given below) including dressing of beds and sides of chambers to exact profiles, 15cm thick C.C 1:6:12 in foundation, first class brick work laid in cement sand mortar 1:5, 40mm thick cement concrete 1:2:4 topping inside the chamber with a floating coat of 1.5mm thick neat cement laid in one operation to the topping, the entire inner surface of the chamber rendered with neat cement not less than 12.50mm in thickness of 1:2 cement sand plaster and finished with a floating coat of neat cement 1mm thick left absolutely smooth polished and correct to template including cost of precasted RCC road gully grating and frame including paint with coal tar (as specified in item No. 29.49) complete and to the requirement of the Engineer-in-charge Single Road Gully chamber Size 610mm x 457mm x 800mm	4.00	EACH		
62	29.65 (A)	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement: 2 coarse sands: 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:2 (1 cement: 2 coarse sand) finished with a floating coat of neat cement and making necessary channels for the drain etc. complete. For pipes 100 to 250 mm Diameter	1.00	EACH		
63	29.56 (A)	Constructing brick masonry manhole in cement mortar 1:5 (1 cement : 5 coarse sand) with RCC core wall between masonry, R.C.C. top slab 20mm thick using M-20 mix, foundation concrete 1:4:8 mix (1 cement: 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement and making benching in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement, Orange coloured PVC steps including RCC cover with frame internal dimensions. complete as per standard design. (In water logged area).	7.00	EACH		
64	6.8 (A) ii	Earth filling Earth filling under floors with surplus soil containing more than 40% gravel or kankar excavated from foundation & taken only from outside the building plinth in 15 cm layers including ramming watering and consolidation lead upto 30 metres	1280.90	CUM		

65	14.139	Providing and laying 80 mm thick factory made cement concrete interlocking Paving blocks of M- 40 grade manufactured by block making machine equipped with steel mould clamped to a strong vibratory table with hydraulic pressure for compaction of concrete as per IRC SP 63 - 2014 and of approved size and design / shape laid in Ordinary Grey Colour and pattern over and including 40 mm thick compacted bed of coarse sand, filling the joints with fine sand etc, all complete as per directions of Engineer-in-Charge.	1399.94	SQMtr.		
66		Extra for carriage of material to be paid as per CSR 2020				
67	5.2 (i)	Coarse sand, 20mm aggregate & 40mm aggregate from Pathankot with avg. lead of 225 km.	1852.64	CUM		
68		Fine sand with avg lead of 25 km	95.56	CUM		
69		Hollow Blocks from jagraon with avg. lead of 80 km.	381.07	CUM		
70						
71	N.S.	Providing and fixing of Insignia, Logo & Alphabets for Front elevation	1.00	L.S.		
72	N.S. 42 (A)	SS Railing with 304 grade keeping handrail of 2" (50mm) Dia 18-gauge hollow pipe and blusters also 38mm 1-1/2" Dia hollow pipe 16 gauge 4 rows of 18mm 16 gauge with 1Meter height.	179.50	R/MTR.		
73	N.S.	Providing and fixing of 4 layered water tanks of Sheetal make with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	10000.00	LTR.		
74	N.S. 29	Providing and fixing of flush door of 35mm thick with granite stone flooring with 18 mm thick with including 1mm laminates on both sides as per Marino specifications with external wood lipping on shutter.	163.80	SQMtr.		
75	N.S. 38 (B)	Providing and fixing of CP fittings and accessories of Goonj make as per samples provided at site. (B) CP cap	123.00	EACH		
76	N.S. 38 (D)	Providing and fixing of CP fittings and accessories of Goonj make as per samples provided at site. (D) PVC connection pipe	39.00	EACH		
77	N.S. 38 (E)	Providing and fixing of CP fittings and accessories of Goonj make as per samples provided at site. (E) JALI	66.00	EACH		
78	N.S. 38 (F)	Providing and fixing of CP fittings and accessories of Goonj make as per samples provided at site. (F) Waste coupling	39.00	EACH		
79	N.S. 39 (A)	Providing and fixing of following Roca make as per sample provided at site. (A) Giralda wall hung seat with Giralda soft close seat cover	30.00	EACH		
80	N.S. 39 (B)	Providing and fixing of following Roca make as per sample provided at site. (B) Giralda wash basin with semi pedestal	18.00	EACH		

81	N.S. 39 (C)	Providing and fixing of following Roca make as per sample provided at site. (C) Victoria Basin mixture.	18.00	EACH		
82	N.S. 39 (D)	Providing and fixing of following Roca make as per sample provided at site. (D) Chic urinal	18.00	EACH		
83	N.S. 39 (E)	Providing and fixing of following Roca make as per sample provided at site. (E) Angle valve	66.00	EACH		
84	N.S. 22 (A)	Providing and fixing of concealed cistern of geberit make. (A) Kombi fix with 4P172 front actuation of delta 50 with bright chrome plated.	30.00	EACH		
85	N.S.	Providing and fixing WPC door frames manufactured from wood plastic composites, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, including hinges 2.5 mm thick with, lock strike-plate and shock absorbers as directed by Engineer-in-charge: chow khats 150 mm wide.	413.11	R/MTR.		
86	N.S.	3 Feet Heavy Duty Universal Projector Ceiling Mount Bracket Stand For LED. Max load capacity: 15 kg tilt: +/-10°. Adjustable drop-pole: 36"-72". Universal Projector Ceiling Mount with adjustable drop pole up to 6ft. Material: Aluminium with required hardware (Fasteners)	17.00	EACH		
87	N.S.	Providing and laying of HDMI Cable for projector, from Black/White board to Ceiling mounted projector stand for hi speed data transmission.	255.00	R/MTR.		
88	N.S. 18 (E)	Providing and fixing granite stone flooring with 18 mm thick granite stone over 20mm thick base of cement mortar 1:4 laid and joined with cement complete. (E) Telephonic Black	4250.21	SQFT		
89	N.S. 26	Providing and laying doubler charged digital wall tiles confirming to IS 15622 (thickness to be specified by the manufacturer of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps dados over 12 mm thick bed of cement mortar 1:3 and joined with grey cement slurry @3.3 kg. per sqm. including pointing in white cement mixed with pigment of matching shade complete.	1937.73	SQMtr.		
90	N.S.	Rain water Harvesting Injection Well	1.00	L.S.		
91	N.S.	Horticulture	1.00	L.S.		
91	N.S.	ELECTRICAL WORK (COMPLETE IN ALL RESPECTS)		%		

TOTAL [A]

ADD G.S.T. [B]

GRAND TOTAL [A]+[B]