

VSPM ACADEMY OF HIGHER EDUCATION

CONSTRUCTION OF NEW NURSING COLLEGE, KATOL CAMPUS

ANNEXURE NO.1

Particulars	Unit	Qty	Rate	GST	Total
1) Excavation in soils of all types, manually or by mechanical means in black cotton soil, sand, gravel, soft & hard murrum, boulders, hard rock, including trimming, leveling the bed by chiseling where necessary, for basements, retaining walls, ramps, trenches, ducts, foundations, column footings, plinth beams, road work, nalla canalization, drains, etc. including shoring, strutting, all required dewatering & keeping the bed dry & including back filling, necessary labour, artificial watering, consolidation including compaction (90% relative compaction) by means of plate compactors, all complete as directed					
1a) Upto 1.50 m depth from existing G.L.	Cu. Mt	771.09			
1b) lift 1.50 to 3.00 M	Cu. Mt	154.218			
2)PLAIN CEMENT CONCRETE :- Providing and laying in situ, cement concrete M-10/(1:3:6) of trap/granite/quartzite/gneiss metal for foundation and bedding including plywood/steel formwork bailing out water, compacting, finishing uneven and honeycombed surface, curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.)					
2a) Ground Floor	Cu. Mt	60.0168			
2b) First Floor(+3%Lift. Charges)	Cu. Mt	8.2958			
2c) Second Floor(+6%Lift. Charges)	Cu. Mt	8.2958			

3) Providing and laying in situ cement concrete of required grade of trap / granite/ quartzite / gneiss metal for R.C.C. work in foundations like raft, grillages, strip foundations and footings of R.C.C.columns and steel stanchions including bailing out water, plywood/steel formwork, compaction, curing and roughening the surface if special finish is to be provided, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give smooth and even surface etc. complete. (Excluding reinforcement and structural steel, including cover block) The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed) R.C.C.M-25 FOUNDATION	Cu. Mt	313.167			
4) Providing and casting in situ cement concrete of required grade of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed design and drawings or as directed, including steel centering, plywood/steel formwork, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc. complete. Including use of plasticizer wherever necessary as directed by Engineer (Excluding reinforcement, including cover block). The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed) R.C.C.M-25 COLUMN					
4a) Ground Floor	Cu. Mt	86.12633			
4b) First Floor(+3%Lifting charges)	Cu. Mt	57.429			
4c) Second Floor(+6%Lifting charges)	Cu. Mt	57.429			
4d) Third Floor(+9%Lifting charges)	Cu. Mt	19.4889			

5) Providing and casting in situ cement concrete of required grade of trap / granite /quartzite /gneiss metal for R.C.C. beams and lintels as per detailed design and drawings or as directed, including steel centering, plywood/steel formwork steel props, compaction, finishing uneven and honeycombed surface with C.M.1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. Including use of plasticizer wherever necessary as directed by Engineer-In-charge (Excluding reinforcement, including cover block). The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed) R.C.C.M-25 BEAMS & LINTELS					
5a) Ground Floor	Cu. Mt	129.688			
5b) First Floor(+3%Lifting charges)	Cu. Mt	72.871			
5c) Second Floor(+6%Lifting charges)	Cu. Mt	72.871			
5d) Third Floor(+9%Lifting charges)	Cu. Mt	0.1242			
6) Providing and casting in situ, cement concrete of required grade of trap/granite/ quartzite gneiss metal for R.C.C. slabs and landings as per details design and drawings including steel centering, plywood/steel formwork, steel props, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided with fan hooks box of 2 mm thick M.S. Sheet rectangular size 180 mm X 100 mm with required, bottom and top lids of 1.6 mm thick M.S. Sheet fixed with 3.5 mm dia. round headed screws together with 12 mm dia. M.S. bar bent to shape with hooked ends for fan hook and painting to exposed surface and curing etc. complete. (Excluding reinforcement). The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.) R.C.C.M-25 SLAB & LANDING					
6a) Ground Floor	Cu. Mt	221.4075			
6b) First Floor(+3%Lifting charges)	Cu. Mt	221.4075			
6c) Second Floor(+6%Lifting charges)	Cu. Mt	221.4075			

7) Providing and casting in situ cement concrete of required grade of trap / quartzite / granite/ gneiss metal for R.C.C. chajja as per detailed design and drawings including steel centering, plywood/steel formwork, steel props, compaction finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc. Complete.(Excluding reinforcement, including cover block) The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed) R.C.C.M-25 CHAJJA					
7a) Ground Floor	Cu. Mt	3.42			
7b) First Floor(+3%Lifting charges)	Cu. Mt	3.42			
7c) Second Floor(+6%Lifting charges)	Cu. Mt	3.42			
7d) Third Floor(+9%Lifting charges)	Cu. Mt	0.45			
8) Providing and casting in situ, cement concrete of required grade of trap/granite/ quartzite gneiss metal for R.C.C. Waist slabs and steps of staircases as per details design and drawings or as directed including steel centering, plywood/steel formwork, steel props, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement). The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.) R.C.C.M-25 WAIST SLAB					
8a) Ground Floor	Cu. Mt	7.681			
8b) First Floor(+3%Lifting charges)	Cu. Mt	7.681			
8c) Second Floor(+6%Lifting charges)	Cu. Mt	7.681			

9) Providing and casting in situ cement concrete M:25 of trap /granite/quartzite/gneiss metal for RCC slab at plinth level over plastic sheet, including steel centering, plywood/steel formwork, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed). Rates inclusive cost of Plastic Sheet.	Cu. Mt	219.9514			
10) Providing and fixing in position reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams and columns, canopies, staircases, newels, chajjas, lintels, pardies, coping, fins, arches etc. as per detailed design and drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required completed. FOR TMT STEEL					
10a) Ground Floor	M.T	117.773			
10b) First Floor(+1%Lifting charges)	M.T	43.537			
10c) Second Floor(+2%Lifting charges)	M.T	43.537			
10d) Third Floor(+3%Lifting charges)	M.T	2.408			
11) Providing 2nd class Fly Ash Brick masonry with conventional / I.S. type bricks in cement mortar 1:6 in foundation and plinth of inner walls/ in plinth of external walls including bailing out water, striking joints on unexposed faces, racking out joints on etc.complete	Cu. Mt	3.59			
12) Providing second class Fly Ash masonry with conventional/ I.S. type bricks in cement mortar 1:6 in super structure including striking joints, racking out joints watering and scaffolding complete.					
12a) Ground Floor	Cu. Mt	246.641			
12b) First Floor(+3%Lifting charges)	Cu. Mt	246.641			
12c) Second Floor(+6%Lifting charges)	Cu. Mt	246.641			
12d) Third Floor(+9%Lifting charges)	Cu. Mt	57.96			
13) Providing second class Fly Ash masonry with conventional / I.S. type bricks in cement mortar 1:4 in half brick thick wall including mild steel longitudinal reinforcement of 2 bars of 6 mm. diameter/2 hoop iron strips 25 mm x 1.6 mm placed at every third course, properly bent and bounded at ends scaffolding, racking out joints and watering complete.					
13a) Ground Floor	Sq. Mt	218.391			

13b) First Floor(+3%Lifting charges)	Sq. Mt	218.391			
13c) Second Floor(+6%Lifting charges)	Sq. Mt	218.391			
13d) Third Floor(+9%Lifting charges)	Sq. Mt	84.752			
14) Providing Internal cement plaster 12 to 20 mm thick in a single coat in cement mortar 1:4 without neeru finish to concrete surface in all positions including scaffolding and curing complete. Providing groove at joint of B.B Masonry and concrete members complete					
14a) Ground Floor	Sq. Mt	4276.823			
14b) First Floor(+3%Lifting charges)	Sq. Mt	4276.823			
14c) Second Floor(+6%Lifting charges)	Sq. Mt	4276.823			
14d) Third Floor+9%Lifting charges)	Sq. Mt	601.7947			
15) Providing sand faced plaster for external portion in cement mortar using Kharsalia / Kasaba or similar type of sand, in all positions including base coat of 15 mm. Thick in C.M. 1:4 using water proofing compound at 1 kg per cement bag, curing the same for not less than 3 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in C.M. 1:4 finishing the surface by taking out grains, making grooves and curing for fourteen days scaffolding etc. complete.					
15a) Ground Floor	Sq. Mt	985.4688			
15b) First Floor(+3%Lifting charges)	Sq. Mt	840.3828			
15c) Second Floor(+6%Lifting charges)	Sq. Mt	840.3828			
15d) Third Floor(+9%Lifting charges)	Sq. Mt	312.3192			
16) Providing & applying two coat Interior Emulsion with two coat putty with primer(Make:Asian Paint)					
16a) Ground Floor	Sq. Mt	4276.823			
16b) First Floor	Sq. Mt	4276.823			
16c) Second Floor	Sq. Mt	4276.823			
16d) Terrace/Third Floor	Sq. Mt	118.53			
17) Providing and applying ICI Dulux/ULTIMA Weather shield Sun Reflect exterior paint to external plastered surfaces of brick walls, RCC elements, etc. In 2/3 coats to get the desired finish and applied as per the manufacturers specification including surface preparation, necessary scaffolding, cleaning, all complete and to the satisfaction of the Architect/ Engineer In charge. The color shade shall be as approved by the Architect/ Engineer In charge.					
17a) Ground Floor	Sq. Mt	985.4688			

17b) First Floor	Sq. Mt	840.3828			
17c) Second Floor	Sq. Mt	840.3828			
17d) Terrace/Third Floor	Sq. Mt	795.584			
18) Providing and Laying vitrified tiles of approved make and quality of required size for flooring in required position laid on bed of C.M.1:4 including cement float, filling joint with white / color cement slurry, cleaning, curing, complete. (basic rate of tile = 425 / sqm)					
15a) Ground Floor	Sq. Mt	1355.041			
18b) First Floor(+3%Lifting charges)	Sq. Mt	1355.041			
18c) Second Floor(+6%Lifting charges)	Sq. Mt	1355.041			
19) Providing and fixing vitrified tiles of approved make and quality of required size for skirting in required position with ready made adhesive mortar of approved quality in required position after making the wall portion in level in plaster of C.M. 1:4 including joint filling with white/color cement slurry cleaning curing complete. (basic rate of tile = 425/sqm)					
19a) Ground Floor	Sq. Mt	68.4601			
19b) First Floor(+3%Lifting charges)	Sq. Mt	68.4601			
19c) Second Floor(+6%Lifting charges)	Sq. Mt	68.4601			
20) Providing and fixing granite of approved quality 18 to 20 thick for treads and risers of steps and staircases, with rounded nosing and groove at edge for the treads, on a bed of C.M. 1:4 including cement float filling joints with neat cement slurry, curing with mirror polish etc. complete(basic rate of material = 1200/sqm)					
20a) Ground Floor	Sq. Mt	51.225			
20b) First Floor(+3%Lifting charges)	Sq. Mt	41.325			
20c) Second Floor(+6%Lifting charges)	Sq. Mt	41.325			
21) Providing and fixing granite of approved quality for flooring of approved color and feature 18 mm to 20 mm thick in required position with cement mortar of 1:6 mortar including joint filling with colored cement slurry cleaning, curing etc. complete . (basic rate of material = 1200/sqm)					
21a) Ground Floor	Sq. Mt	65.19713			
21b) First Floor(+3%Lifting charges)	Sq. Mt	43.067			
21c) Second Floor(+6%Lifting charges)	Sq. Mt	43.067			
21d) Third Floor(+9%Lifting charges)	Sq. Mt	23.738			

22) Providing and fixing granite of approved quality for dado and skirting of approved color and feature 18 to 20 mm thick in required portion in level, in cement plaster 1:4 and fixing the slabs with neat cement including filling joints with neat approved colored slurry, curing polishing, cleaning complete. (basic rate of material = 1200/sqm)					
22a) Ground Floor	Sq. Mt	5.958			
22b) First Floor(+3%Lifting charges)	Sq. Mt	7.752			
22c) Second Floor(+6%Lifting charges)	Sq. Mt	7.752			
22c) Third Floor(+9%Lifting charges)	Sq. Mt	1.794			
23) Providing and fixing ceramic tiles of approved quality, required size and 5 to 6 mm thickness for Flooring, skirting and Dado in required position with ready made adhesive mortar of approved quality in required position after making the wall portion in level in plaster of C.M. 1:4 including joint filling with white/color cement slurry cleaning curing complete. (basic rate of tile = 300/sqm)					
23a) Ground Floor	Sq. Mt	438.8534			
23b) First Floor(+3%Lifting charges)	Sq. Mt	404.2034			
23c) Second Floor(+6%Lifting charges)	Sq. Mt	404.2034			
24) Providing Half-round Moulding to 18 mm to 20 mm thick granite stone including fine polishing and cleaning etc. complete					
24a) Ground Floor	R. Mt	51			
24b) First Floor	R. Mt	51			
24c) Second Floor	R. Mt	51			
25) Providing and fixing factory made precast door frames of C.C. M-40 grade of section 100 mm x 60 mm including reinforcement as per I.S.6523 with polymeric blocks having screw holding capacity of 250 kg/screw fixed in position in R.C.C.frame as per requirement and as per specifications without fan light including holdfasts, carting and erecting in position and two coats of oil paint etc. complete.					
25a) Ground Floor	R. Mt	114.3			
25b) First Floor(+1%Lifting charges)	R. Mt	114.3			
25c) Second Floor(+2%Lifting charges)	R. Mt	114.3			
25d) Third Floor(+3%Lifting charges)	R. Mt	10.8			
26) Providing & fixing PVC Door Frame					
26a) Ground Floor	R. Mt	12.4			
26b) First Floor	R. Mt	12.4			
26c) Second Floor	R. Mt	12.4			

27) Providing and installing in position as per drawing and at location shown on drawing 30mm thick Termite and Borer resistant, boiling water resistant flush door of Green ply Industries Ltd, Century Ply make Flush doors, finished with 12 x 30mm thick T.W. Edge beading and overlap beading in case of double leaf doors, and both the sides finished in 1mm thick laminate of approved shade (laminate of greenlam or century laminates make) and make. Each door panel shall be provided with 4 No. 100mm S.S. ball bearing hinges, S.S. finish Tower bolt 300mm long from inside, S.S. finish lockable aldrop from both sides, door stopper of Dorset, Hafele, Dorma approved make and as shown on drawing. The exposed beading edges shall be finished in Asian Paints make clear melamine polish. The sample of flush door, hardware and laminate shall be approved by the Architect / Engineer In charge.					
27a) Ground Floor	Sq. Mt	47			
27b) First Floor	Sq. Mt	47			
27c) Second Floor	Sq. Mt	47			
28d) Third Floor	Sq. Mt	4.4			
28) Providing & fixing FRP Door Panel including all fixtures & fastaning					
28a) Ground Floor	Sq. Mt	18.2			
28b) First Floor	Sq. Mt	18.2			
28c) Second Floor	Sq. Mt	18.2			
29)Providing and fixing mild steel grill work 15 kg/sqm for windows, ventilators, etc. 15 kg/sqm as per drawing including fixtures necessary welding and painting with one coat of anticorrosive paint and two coats of oil painting complete.					
29a) Ground Floor	Sq. Mt	55.8			
29b) First Floor(+1%Lifting charges)	Sq. Mt	55.8			
29c) Second Floor(+2%Lifting charges)	Sq. Mt	55.8			

30) Supplying and fixing in position aluminium extruded section Three track sliding windows , outer frame made from section of over all size 80 mm x 45 mm, bottom section with or without drain section track weighing 0.90 kg per metre and top and side section weighing 0.838 kg per running metre with shutter or sections made of 19 mm x 40 mm size having average weight of 0.6 kg per running metre(or as required size) with change in proportionate weight,with 5.5. mm selected quality plain sheet glass fixed with new neoprene gasket shutters to be provided with nylon encased stainless rollers, necessary locks and handles complete. (As per Architect's drawing no.Job No. T- MISC/5000 Drg.No.22 dated 3.2.1992) A) For powder coated window	Sq. Mt	129.6			
31) Supplying and fixing in position aluminium extruded section Two track sliding windows , outer frame made from section of over all size 62 mm x 45 mm, bottom section with or without drain section, track weighing 0.90 kg per metre and top and side section weighing 0.838 kg per running metre with shutter or sections made of 19 mm x 40 mm size having average weight of 0.6 kg per running metre(or as required size) with change in proportionate weight,with 5.5 mm selected quality plain sheet glass fixed with new neoprene gasket shutters to be provided with nylon encased stainless rollers, necessary locks and handles complete. A) For powder coated window	Sq. Mt	27			
32) Providing & fixing Aluminium Lowered Ventilator with powder coated(3010+15%Hike)	Sq. Mt	24.3			
33) Providing & fixing Two leaf Aluminium Door Panel with Frame with powder coated(3450+15%	Sq. Mt	5.76			
34) Providing and laying cement concrete flooring (IPS FLOORING) 50 to 75 mm thick with 1:2:4 cement concrete laid to proper level and slope in alternate bays, including compacting, PVC/ Glass/Aluminum strips at joints, marking lines to give appearance of tiles of 30 cm x 30 cm or other size laid diagonally/square etc. finishing smooth (with extra cement) in any color as directed and curing complete.					
34a) Ground Floor	Sq. Mt	79.4888			
34b) First Floor(+3%Lifting charges)	Sq. Mt	73.8188			
34c) Second Floor(+6%Lifting charges)	Sq. Mt	73.8188			

35) WATERPROOFING WORK :- Providing and applying Sika Concrete or equivalent make Acrylic Polymer coating in two coats to slab tops and wall surfaces and grouting weak concrete areas with cement slurry admixed with non shrink grouting admixture Sika EH. The item includes cleaning the surface, application of coating / grouting, curing, cleaning and leaving the surface ready to receive further treatment. (Item to be used for toilets sunk slabs and side walls upto 0.60 MT height, bottom slabs of OH Tank and underground sumps and side walls of full height, lift pit base slab and side walls upto pit height, terrace slab and parapet/ side walls upto 0.3 MT height).					
35a) Ground Floor	Sq. Mt	132.1316			
35b) First Floor	Sq. Mt	122.3216			
35c) Second Floor	Sq. Mt	122.3216			
36) Opening up all leaky visible cracks V shape fixing nozzles and grouting cement slurry modified with Non-Shrink grouting admixble under desired pressure, under desired pressure, Removing nozzles after successful grouting and applying flexible acrylic polymer coating reinforced with fabric on the grouted cracks, including polymer mixing 1:1 in cement	Nos	900			
37) Providing and fixing European type coloured glazed earthenware W.C PAN with Bekelite seat and lid with chromium plated brass hinges and rubber buffers including UPVC soil and vent pipe upto the outside face of wall, 10 litre UPVC high level TANK flushing cistern, 32 mm. Dia. UPVC flush pipe with fittings, and clamps 20 mm dia. UPVC over flow pipe with mosquito proof couplings, painting to exposed pipe and cutting and making good to the wall and floor, testing etc. complete. (Prior approval of sample and brand by Ex.Engineer is necessary before use.)	Nos	36			
38) Providing and fixing 1st class white / colour glazed earthenware Orissa type W.C.Pan 600 x 400 mm size including P or S trap UPVC soil and vent pipe upto the outside face of the wall, 1:5:10 cement concrete bedding, 10 litre fibre low level flushing cistern with fittings, inlet pipe with stop cock, bracket for fixing the cistern, 32 mm dia. UPVC flush pipe with fitting and clamps, 20 mm dia. UPVC over flow pipe with mosquito proof coupling, and cutting and making good walls and floor, testing etc. complete.(Prior approval of sample and brand by Ex.Engineer is necessary before use.) Make : Cera (a) ----- do ----- with flushing cistern without flush cock and necessary fittings.	Nos	2			

39) Providing and fixing white / colour glazed earthenware Wash Hand Basin of 550 mm x 400 mm size including cold water pillar tap, brackets, rubber plugs and brass chain, stop tap, chromium plated PVC connection outlet and necessary pipe connections including UPVC waste pipe and trap upto the out side face of the wall, making good the damaged surface, testing etc. complete. (Prior approval of sample and brand by Ex. Engineer is necessary before use.) Make : Cera.	Nos	26			
40) Providing & fixing Wall Hung Coomode with flush Tank	Nos	5			
41)Providing and Fixing in position APR-ESS 101273 wall Mixer with provision of overhead shower with 115 mm long bend pipe on upper side with connecting legsand wall flanges including labour etc complete	Nos	16			
42) Providing and fixing 100 mm dia. Chromium plated brass showers rose with shower arm to 15 mm dia. Supply pipe including necessary bend and socket, testing etc. complete. (Prior approval of sample and brand by Ex.Engineer is necessary before use.)	Nos	16			
43) Providing & fixing Metro Flush (Make: Jaquar)	Nos	5			
44) Providing & fixing Single lever Diverter(Make: Jaquar)	Nos	5			
45)Providing and fixing 15 mm dia. Screw down bib cock of symet type including necessary sockets, union nut, testing etc. complete. (Prior approval of sample by Ex.Engineer is necessary before use.) CERA MAKE Two way bib cock	Nos	36			
46)Providing and fixing 15 mm dia. Screw down bib cock of symet type including necessary sockets, union nut, testing etc. complete. (Prior approval of sample by Ex.Engineer is necessary before use.) CERA MAKE Angle Cock	Nos	40			
47)Providing and fixing white / colour glazed earthenware full stall type Urinal without cistern, stop tap with inlet pipes and 32 mm dia. UPVC flush pipe, with fitting and flushing arrangement including UPVC soil pipe, UPVC trap and soil pipe connection upto the outside face of the wall, making good to damaged surface testing etc. complete. (Prior approval of sample and brand by Ex.Engineer is necessary before use.)) Make : Cera of Equivallant	Nos	15			
48)Providing and fixing white / colour glazed earthenware Urinal without cistern, stop tap with inlet pipes and , with fitting and flushing arrangement including UPVC soil pipe, UPVC trap and soil pipe connection upto the outside face of the wall, making good to damaged surface testing etc. complete. (Prior approval of sample and brand by Ex.Engineer is necessary before use.)) Make : Cera of Equivallant	Nos	15			

49) Providing and fixing 15 mm dia. Screw down bib cock of symet type including necessary sockets, union nut, testing etc. complete. (Prior approval of sample by Ex.Engineer is necessary before use.) CERA MAKE Health faucet	Nos	38			
50) Providing and fixing 10cm PVC Nahani Trap (long arm) including symet grating, bend, connecting piece of PVC pipe upto the outside face of the wall, making good the damaged surface, testing etc. complete. (Prior approval of sample and brand by Ex.Engineer is necessary before use.)	Nos	65			
51) Providing & fixing CP Jally over Nahani Trap	Nos	65			
52) Providing water proofing in W.C. and bath including B.B. Coba in all position consisting of specialized approved waterproofing compound and materials as per manufacturers specifications and covering 10 years guarantee on court fee stamp paper of Rs.100/- including all lead, lift and ponding test etc. complete.					
52a) Ground Floor	Cu. Mt	30.41			
52b) First Floor(+3%Lifting charges)	Cu. Mt	26.63			
52c) Second Floor(+6%Lifting charges)	Cu. Mt	26.63			
53) Providing and fixing in position CPVC plumbing pipe (SDR-11) of specified outer diameter of required standard thickness such as CPVC bends, tees, reducers, nicco clamps, plugs etc. including necessary excavation trench filling, necessary drilling holes in walls, slabs etc. and making good the surface complete.(For 10 kg/Sq.cm Pressure) (Prior approval of sample and brand by Engineer is necessary before use.) (vii) 63 mm dia.	R. Mt	380			
54)Providing and fixing in position CPVC plumbing pipe (SDR-11) of specified outer diameter of required standard thickness such as CPVC bends, tees, reducers, nicco clamps, plugs etc. including necessary excavation trench filling, necessary drilling holes in walls, slabs etc. and making good the surface complete.(For 10 kg/Sq.cm Pressure) (Prior approval of sample and brand by Engineer is necessary before use.) (v) 40 mm dia.	R. Mt	192			
55) Providing and fixing in position CPVC plumbing pipe (SDR-11) of specified outer diameter of required standard thickness such as CPVC bends, tees, reducers, nicco clamps, plugs etc. including necessary excavation trench filling, necessary drilling holes in walls, slabs etc. and making good the surface complete.(For 10 kg/Sq.cm Pressure) (Prior approval of sample and brand by Engineer is necessary before use.) (ii) 20 mm dia.	R. Mt	780			

56) Providing and laying in trenches medium grade (type) galvanised iron pipe having embossed ISI Mark on it, of required diameter with screwed, sockets, joints, necessary galvanised iron fittings such as sockets, back nuts, elbows, bends, tees, reducers, enlargers, plugs, clamps etc. including necessary excavation, back filling, fixing with clamps, testing etc. complete. (Prior approval of sample and brand by Ex. Engineer is necessary before use.) (vi) 50 mm dia. 2"(50 mm)	R. Mt	150			
57) Providing and fixing UPVC SOIL / VENT / WASTE SWR pipe of required diameter conforming to I.S.-13592, and I.S.-4985 to withstand continuous internal hydraulic pressure of 4 kg/cm ² including necessary fixtures and fittings, such as bends, tees, single junctions, double junctions and joining with rubber rings and lubricants, on wall by means of clips or in ground including necessary excavation, laying refilling, trench testing etc. complete. (Prior approval of sample and brand by Ex.Engineer is necessary before use.) (a) 75 mm dia. Pipe	R. Mt	120			
58) Providing and fixing UPVC SOIL / VENT / WASTE SWR pipe of required diameter conforming to I.S.-13592, and I.S.-4985 to withstand continuous internal hydraulic pressure of 4 kg/cm ² including necessary fixtures and fittings, such as bends, tees, single junctions, double junctions and joining with rubber rings and lubricants, on wall by means of clips or in ground including necessary excavation, laying refilling, trench testing etc. complete. (Prior approval of sample and brand by Ex.Engineer is necessary before use.) (b) 110 mm dia. Pipe	R. Mt	120			
59) Providing , laying and fixing ,jointing Supreme Eco- drain 160 mm SN 4 Nu- Drain Upvc pipes or of equivalent make, manufacture as per EN 13476 or equivalent as per I.S.15328 with fittings such a bends, tees , coupler, etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated materialetc. complete.	R. Mt	380			
60)Providing, hoisting and fixing in position sintex/PLASTO high density polyethylene UV stabilized conforming to I.S.12701, water storage tank with necessary connections, testing etc. complete. (Prior approval of sample by Ex. Engineer is necessary before use.)(9+2for Platform)	Lit	20000			
61)Providing and fixing gate valve of required dia , as directed by engineer in charge 50 mm G.I G	Nos	2			
62) Providing and fixing CPVC Ball Valve of Dia. as directed by engineer in charge 50 mm	Nos	4			
63)Providing and fixing CPVC Ball Valve of Dia. as directed by engineer in charge 40 mm	Nos	8			
64) Providing and fixing 40 mm dia PVC pipe with necessary fitting etc complete.	R. Mt	75			

65) Providing and fixing 15 cm x 10 cm salt glazed stoneware gully trap in cement concrete 1:4:8 outside the building including symet grating in the sink, connecting glazed stoneware pipe, brick masonry chamber with R.C.C. lid and Symet grating for the gully trap, testing etc. complete. (Prior approval of sample and brand by Ex.Engineer is necessary before use.)	Nos	8			
66) Providing and constructing Brick Masonry Inspection Chamber including 1:4:8 cement concrete foundation, 1:2:4 cement concrete channels, Brick Masonry, plastering from inside and air- tight R.C.C. lid with frame fixed in cement concrete, curing, testing etc. complete.					
66a) 0.60*0.60 m	Nos	10			
66b) 0.90*0.60 m	Nos	10			
66c) 0.60*0.45 m	Nos	10			
66d) 0.90*0.45 m	Nos	3			
67) Providing & fixing Censer for Urinal Unit	Nos	2			
68) Providing & fixing Censer for Wash Hand Basin Unit	Nos	2			
69) Providing and fixing G.I. precoated metacolour sheet of 0.50 mm thick and 930 profile for roof including roof bolt and necessary fixing arrangements (Prior approval of Sample and brand by Ex. Engineer is necessary before use)	Sq. Mt	80.225			
70) Providing and fabricating structural steel work in rolled sections, fixed with connecting plates or angle cleats in main and cross beams, hip and jack rafters, purlins connecting to truss members and the like, as per detailed designs and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/ bolted/ welded connections and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.(Third Floor)(100+3%Lifting charges)	Sq. Mt	493.816			
71) FILLING WITH APPROVED EXCAVATED MATERIAL : Filling in plinth using approved excavated material including, spreading, levelling, compacting the approved excavated material, in column pits, trenches, plinth, bringing up for roads, and by side of retaining walls, parking areas within and about 20 m beyond the whole of plot area etc., for all heights and depths in specified layers, including loading, unloading, transport, artificial watering, compaction by plate compactors, power rollers, vibratory rollers & consolidation (90% relative compaction), as directed all complete.	Cu. Mt	388.486			

72) FILLING WITH STONE DUST : Providing & filling in plinth and site development work, with approved stone dust brought by contractor in layers of 50 / 100 / 150 /300 mm, watering & compaction, so as to obtain 90% relative compaction, by means of plate compactor if necessary & including necessary labour, artificial watering, etc. complete as directed.	Cu. Mt	92.726			
73) FILLING WITH APPROVED MURRUM : Providing & filling in plinth and site development work, with approved murrum brought by contractor in layers of 150 / 300 mm, watering & compaction, so as to obtain 90% relative compaction, by means of plate compactor, & including necessary labour, artificial watering, etc. complete as directed.	Cu. Mt	423.245			