

**SCHEDULE OF QUANTITIES
FOR**

CIVIL, STRUCTURAL AND INTERNAL ELECTRIFICATION WORK FOR 8 NOS STAFF QUARTERS AT SOMNATH & 6 NOS STAFF QUARTERS AT BHIDIYA PRABHAS PATAN & 15000LIT UNDER GROUND WATER TANKS FOR BOTH SITE AT PRABHAS PATAN SOMNATH TA.VERAVAL DIST. GIR, SOMNATH

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
1.00		EARTH WORK			
1.01		Excavation in all kinds of soil, including murum , for foundations of wall, columns, plinth beams, basement, raft ducts, trenches, underground sumps, septic tanks etc. including shoring strutting, bailing out water/pumping off water if required, refilling the trenches, foundation pits, ramming, watering consolidating in 15 cms to 30 cms layers, removing and stacking simultaneously the excavated stuff as directed within the site area up to a lead of 500 m and/or spreading soils in layers for site development and consolidating as directed etc. complete.			
	318.00	From existing ground level up to 1.5M depth.		CUM	
1.01(a)	548.00	do- same as item no.1.01 but excavation in soft/loose rock upto 1.5 mtr depth.		CUM	
1.01(b)	8.00	"-do- as item No.1.01 but for excavation in hard rocks up to 1.50 M using pneumatic drill, removing debris, etc. all complete.		CUM	
1.02	50.00	Description same as item no.1.01 for the depth exceeding 1.5M but not exceeding 3.0 M.		CUM	
1.02(a)	66.00	do- same as item no.1.01A but excavation in soft/loose rock upto 1.50 to 3.00 mtr depth.		CUM	
1.05	272.00	Filling in plinth with selected excavated earth available within site , in layers of 15 cms to 30 cms including watering, ramming and compacting using mechanical vibro-roller etc. complete as directed including cost of transportation up to a lead of 500 m.		CUM	
1.06	46.00	Filling excavated earth in ground other than plinth, for land development etc. to required level, spreading beyond 300 m in layers of 30 cms. to 60 cms., watering, ramming, consolidating etc., complete, including cost of transportation, as directed.		CUM	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
1.07	282.00	Providing and filling in plinth in ground, for road works etc. with selected earth brought from outside site/campus, including freight, transportation, loading, unloading, filling, consolidating taxes, royalty, octroi, screening etc. complete as directed.		CUM	
1.08	48.00	Providing and filling approved local sand in trenches, plinth and surrounding areas including watering and consolidating transporting, loading, unloading, spreading etc. complete as directed.		CUM	
1.10	460.00	Providing and laying pre-construction Antitermite treatment as per IS-6313 (Part-II) 1971 from standard and specified agency approved by Engineer-in-charge with ten years guarantee in foundation under floors and periphery as per the special Agency's specification etc. complete as directed.		SQM	
1.11	12.00	Providing and filling light weight Cinder material in Trenches & Sunks including watering & consolidating transporting, loading, unloading, spreading etc., complete as directed.		CUM	
1.13	550.00	Labour charges for site cleaning of plot.thorny bushes, trees, other vegetation cover, jungle plants, shrubs, climbers etc all in order to get the clear land having its original top layer including stacking all the removed debris, rubbish, vegetation, trees etc at the place directed within site up to a lead of 1500 mtrs, loading, unloading, applying all machineries and equipments, etc all complete as directed.		SQM	
1.15	50.00	Carting away the surplus earth and/or debris outside of site, including loading at site, transportation, unload-ing, spreading etc. complete as directed [80% of fill measurement of earth/debris in truck shall be paid for].		CUM	
TOTAL OF EARTH WORK				RS.	<hr/> <hr/>

Note :

1) Consolidated measurements of fill shall be paid in case of item no. 1.05 to 1.09 & 1.11.

2) Since the item specification of item 1.11,1.13 & 1.15 is self explanatory, no detailed specifications are given.in Vol.-1

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
2.00		CONCRETE WORK			
2.01		Providing and laying machine mixed brickbat cement concrete in volumetric proportion 1:4:8 (1 cement : 4 coarse sand : 8 brickbats aggregates 37 mm and down) for specified thickness, for foundations below walls, column footings, sunk floor terraces at any height above plinth level raft at any depth below floors, pavements roads, plinth protection, etc. including centering and shuttering if required, laying spreading, ramming, consolidating as per requirement and curing etc. complete as directed.		CUM	
2.02	112.00	-do- as per item no. 2.01 but P.C.C.with 1 part cement: 4 parts coarse sand : 8 parts of black trap stone aggregate of size 37 mm and down.		CUM	
2.03	66.00	-do- as per item no. 2.01 but P.C.C. with 1:3:6 (1 part cement : 3 parts of coarse sand: 6 parts black trap stone aggregates of size 37 mm and down).		CUM	
2.04	R.O.	Providing and laying in position machine mixed and machine vibrated plain cement concrete M 20 (1:1.5:3) for all types of reinforced cement concrete structural elements, viz. Foundations, floor slab on ground, raft, plinth beams, columns, beams, slabs, flat slabs, mullion,sunk slabs, copings, lintel lofts, chajja with drip ,mould, retaining walls, parapet boxes, folded plates weather shed, gutters, fins stair cases sloping slabs etc., curved / circular surfaces as specified and as per structural design & as directed using 20mm down graded machine crushed black trap stone aggregate including design of concrete mixes, weigh batched proportioning including necessary centering and shuttering at any lift and lead as specified finishing concrete surfaces, curing etc. complete but exclusive of reinforcement. With cement concrete conforming to M 20 grade concrete at any depth below ground level but up to plinth level.		CUM	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
2.07		- Do - as per item No.2.04 but for M 25 (1:1:2) grade concrete at any depth below ground level but up to plinth level.			
[a]	96.00	- Do - as above for M 25 (1:1:2) concrete in col foundation & Footing, rafts, underground water tank slab & slab on ground etc.		CUM	
[b]	50.00	- Do - as above for M 25 (1:1:2) concrete in pedestals, columns of any shape (squares / circular / rectangular) coping, tie beams, plinth beams, RCC retaining wall, under ground water tank wall/ pardi etc. Complete.		CUM	
[c]	4.00	- Do - as above for M 25 (1:1:2) concrete in plinth level slab.		CUM	
2.08		- Do - as per item No.2.04 but for M 25 (1:1:2) concrete above plinth / in super structure as height specified follows.			
[a]	39.00	- Do - as above for M 25 (1:1:2) concrete in lintels, ties etc. Of any thickness at any height and level as directed.		CUM	
[b]	22.00	- Do - as above for M 25 (1:1:2) concrete in columns of circular / square/ rectangular shape from plinth level to G.F.Slab LVL		CUM	
[c]	19.00	- Do - as above for M 25 (1:1:2) concrete in columns of circular / square/ rectangular shape from G.F. Slab LVL to F.F.Slab LVL		CUM	
[d]	2.00	- Do - as above for M 25 (1:1:2) concrete in columns of circular / square/ rectangular shape from F.F.Slab LVL to S.F Slab LVL		CUM	
[e]	48.00	- Do - as above for M 25 (1:1:2) concrete in beams, brackets, bed blocks etc. From plinth LVL to G.F. Slab LVL.		CUM	
[f]	38.00	- Do - as above for M 25 (1:1:2) concrete in beams, brackets, bed blocks etc. From G.F.Slab LVL to F.F.Slab LVL..		CUM	
[g]	4.00	- Do - as above for M 25 (1:1:2) concrete in beams, brackets, bed blocks etc. From F.F.Slab LVL to S.F Slab LVL.		CUM	
[h]	11.00	- Do - as above for M 25 (1:1:2) concrete in chajja at lintel level with drip mould, patta, fins, pardies, Rcc wall, cantilever platform etc. of any thickness at any height and level as directed.		CUM	
[i]	56.00	- Do - as above for M 25 (1:1:2) concrete in slab, cantilever slab, porches, galleries loft slab etc. From Plinth LVL to G.F.Slab LVL.		CUM	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
[j]	45.00	- Do - as above for M 25 (1:1:2) concrete in slab, cantilever slab, porches, galleries loft slab etc. From G.F.Slab LVL to F.F.Slab LVL.		CUM	
[k]	4.00	- Do - as above for M 25 (1:1:2) concrete in slab, cantilever slab, porches, galleries loft slab etc. From F.F.Slab LVL to S.F.Slab LVL.		CUM	
[l]	10.00	- Do - as above for M 25 (1:1:2) concrete in stair case with steps, waist slab and landing at any height and level as directed.		CUM	
2.10	70.00	Supplying & mixing with cement for cement concrete or cement plaster water proofing compound such as Impermo, Acco proof, CICO (Grade-I) Fosroc or any equivalent approved quality according to proposed mix as per the requirements and manufacturers specifications.		LTR/ KG	
2.11		Providing, fabricating & fixing in place and position Corrosion Resistant steel reinforcement for RCC structures as per design including transporting steel from site stores (within site premises) to the work site, unloading cutting, bending and binding with 16 to 18 gauge annealed soft G.I. wires (to be supplied by the contractor at his own cost) welding if necessary etc complete as directed .Payment will be made on the length basis and standard co efficient to convert in to weight as per ISS. (Rolling margins and wastages will not be paid).			
	48.00	For CRS TMT steel bars The basic rate for supply of CRS TMT steel bar shall be Rs.45,000/- per M.T.inclusive of taxes and FOR site)		MT	
2.11a	49.00	Providing & Applying Epoxy Coating to Reinforcement steel		MT	
2.13	50.00	Providing and erecting False staging for form work		SQM	
2.18		Making holes in old/new concrete by drilling of required diameter & depth as per detail & directed, anchoring steel bars in drilled hole properly of required length & diameter, grouting with epoxy chemicals such as "Fischer" fixing system, Forsoc, sico or equivalent as per detail & directed.			
	50.00	(a)P/F 8 mm dia tor		NO	
	100.00	(b)P/F10 mm dia tor		NO	
	100.00	(c)P/F 12 mm dia tor		NO	
	100.00	(d)P/F 16 mm dia tor		NO	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
2.19	30.00	Providing & applying concrete bonding compound to old & new concrete surfaces after necessary chipping & cleaning surface dust free .The bonding agent/ compound shall be FOSROC, SICO ,CANBEXTRA., or equivalent make confirming to IS as per manufacturer's specifications and detailed drawing. at all levels, in vertical and horizontal planes as directed by site engineer.		LIT	
2.25	175.00	Providing & mixing plasticizer of approved make such as Fair Mate,Pidilite, Sico, Fosroc or S.T.P. use as per Manu. Detail and instruction of site engineer.		LIT	
TOTAL OF CONCRETE WORK				RS.	<u> </u>

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
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NOTES :

1) The rate shall be including providing of all materials and labor, mixing, placing, forming pockets for foundation bolts, placing insert plates as shown in drawing at correct location etc including necessary centering shuttering, false staging, curing etc. complete. (excluding Reinforcement, insert plates, holding down bolts / foundation bolts etc.)

2) In all RCC structures use machine cut black trap aggregate of size 20 mm and down grade unless & until specified have to be used and rates are deemed to the same.

Since the item specification of item 2.18, 2.19 ,2.25 & 2.26 is self explanatory, no detailed specifications are provided in volume -1.

3) BASIC RATE

Cement O.P.C. 53 Grade Rs. 250/- per bag of 50 kg each.

Above Basic Rates are inclusive of all taxes and F.O.R. at site.

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
3.00		MASONRY WORK			
3.01	352.00	Providing and constructing brick masonry in CM 1:6 (1 cement & 6 coarse sand) with approved first class bricks having minimum crushing strength of 40-50 kg/sq.cm including scaffolding, racking out the joints, curing etc. Complete as directed by Engineer - in charge. For foundation at all levels below and up to plinth level. (Bricks To be brought from Bavla, Ahmedabad.)		CUM	
3.02		-do- as per item no. 3.01 but in superstructure above plinth level. (Bricks To be brought from Bavla, Ahmedabad.)			
[a]	238.00	--do--above plinth up to G.F.Slab LVL		CUM	
[b]	188.00	--do-- G.F.Slab LVL to F.F.Slab LVL		CUM	
[c]	54.00	--do-- F.F.Slab LVL to S.F.Slab LVL		CUM	
3.03		Providing and constructing 115/100 mm thick brick masonry in partition walls with approved good quality bricks having a crushing strength of 40-50 kg/sq.cm for super structure in CM 1:4 (1 cement : 4 coarse sand) including scaffolding, racking out joints, curing etc. complete as directed at all heights as follows. (Bricks To be brought from Bavla, Ahmedabad.)			
[a]	196.00	(a) --do-- above plinth up to G.F.Slab LVL		SQM	
[b]	152.00	(b) --do-- G.F.Slab LVL to F.F.Slab LVL		SQM	
[c]	10.00	(c) --do-- F.F.Slab LVL to S.F.Slab LVL (Bricks To be brought from Bavla, Ahmedabad.)		SQM	
		TOTAL OF MASONRY WORK		RS.	<hr/> <hr/>

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
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Note:

(i) The rate shall include for supplying of all materials, labors, tools and plants, forming Openings, projecting pattas & necessary scaffolding, racking out of joints, curing etc. Complete.

(ii) Holes or Zaries in the masonry work for rain water pipes and other pipes shall be kept or the pipe shall be provided at the time of raising of masonry. Nothing extra shall be paid for. These holes or Zaries should be made good after fixing of pipes and nothing extra shall be paid for the same.

(iii) The masonry work for septic tank, soak well, trenches etc shall be measured under relevant item of this tread and the ground level shall be the reference level for measurement of masonry in super structure.

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
4.00		WOOD WORK			
4.11	20.00	Providing & fixing cupboard built in wall with Teak wood frame of 75 mm x 38 mm fixed with 2 Nos.hold fast of size 20 x 3 x 150 mm long on each vertical side to be grouted in PCC 1:2:4 block of 150 x 150 x 200 mm size and super nova Teak shutter of 19 mm thick including one shelf of similar material with supplying and fixing brass oxidised fixtures 3 coats of enamel paint over a coat of wood primer or flat paint or polish of required shade etc. complete as directed (Measurement out to out of shutter shall be paid).		SQM	
4.13	5.00	Providing & fixing meter box cupboard on wall, TW frame of 75 mm x 38 mm fixed with 2 nos. hold fasts of size 20 x 3 x 150 mm long on each vertical side to be grouted in PCC 1:2:4 block of 230 x 230 x 300 mm size and 19 mm thick super nova teak shutter including supplying and fixing anodized aluminum fixtures, fastenings and slit of glass opposite to meters position including architraves an 2 coat of first quality synthetic enamel paint of approved make over a coat of wood primer or flat paint or polish of required shade etc. complete as directed.		SQM	
4.15	70.00	Providing and fixing cupboard below platform with 75mm x 37 mm CP wood frame and 50 x 37 mm TW shutter frame with 19 mm WP kit ply with 1 mm thk laminate for shutters providing Teak wood beading all around shutter fixing SS jali for ventilator, including supplying and fixing brass oxidized fixtures including 3 coats of enamel paint or varnish polish etc. complete (Measurement out to out of shutter).		SQM	
4.16	671.00	Providing & Fixing Architrave / beadings of approved quality, first class Teak Wood of size 2" x 1/2" as per the details / drawings furnished by architect around wooden frame including fixing, polishing / painting with approved quality and make synthetic enamel paint over a coat of primer etc. complete as directed.		RMT	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
4.17	156.00	Providing & fixing single or double flush shutter 37 mm thk of approved make & quality, commercial type, thermosetting synthetic resin bond solid batten core of block board construction with 37 mm thk lapping of first quality Teak wood battens on all edges, laminated with 1 mm thk laminate on both side or its equivalent or as per architect's detail, supplying & fixing approved fixtures & fittings brass oxidized such as hinges, tower bolts, handles, aldrops, door stoppers, screws, mortise lock,/night latch etc. as per approved sample and make like EP and PW, or equivalent, as per the details including 2 coats or synthetic enamel paint wherever necessary for door with teak wood flush shutters without frame etc. all complete as directed. (Measurement will be paid out to out shutter)		SQM	
4.18	50.00	Providing and fixing FRP FRAME size 100 x 50 mm and 36 mm thick FRP shutter and edges and in Gel coat finish. The core done in situ along with embedded hinges and fixtures. The whole FRP framepieces for stiffening and also for taking wooden and shutter is to be water proof, weather proof, termite proof and resistance to mld acid/Alkali, Rates are to be inclusive of S.S. hinges with necessary screws and SS fixtures and fastening Productshould have 3 years performance guarantee and complete have ISO 9001-2000 certification.		SQM	
4.20	65.00	Providing & Fixing sal Wood frame of approved quality such as Teak Wood for door using 125x62.5mm members with necessary grooves / rebate as per the instruction. Frame shall be provided with six hold fasts of MS flat 30x3 mm and 150 mm long embedded in CC 1:3:6 of 230x200x230 mm size and with necessary screws and paintings with 2 or more coats of approved make British / Asian or equivalent approved make over a coat of wood primer of approved makes as above or polish of required shade etc. all complete.		SQM	
4.21	R.O.	Do. - as per item no. 4.20 but for frame size 100 x 62.5 mm for window / vent. etc.		SQM	
		TOTAL OF WOOD WORK			RS.
		Note: Since the item specification of item 4.18,4.20,& 4.21 are self explanatory, no detailed specifications are provided in volume -1.			

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
5.00		FINISHING WORK			
5.01	1028.00	Providing and applying 12 mm thick finish cement plaster at all heights and below plinth in 1:4 cement mortar to the walls, beams, ceiling, stair , column, pardis, bends, moulds, pattas,projecting pattas, grooves including scaffolding, curing & finishing smooth. The plaster surface shall be rubbed with "Iron plate" , till the surface shows cement paste in line and level complete as directed.		SQM	
5.02	3080.00	-do- as per Item No. 5.01 but of 20 mm thick double coat mala finish with first coat of 1:4 plaster 12 mm thick followed by 8 mm thick 1:2 (1 part cement : 2 part of coarse sand) etc. to all rcc, masonry surface including scaffolding, curing etc. in line and level complete.		SQM	
5.04	1430.00	Providing and applying 19 mm thick sand faced cement plaster in two coats at all heights with first coat of 12 mm with cement mortar 1:4 (1 part cement : 4 parts of sand) and second coat of 7 mm with cement mortar 1:3 , rough finish with using " Tipani ",/' Gutka' on all types of concrete / brick surfaces making grooves,plastre pattas,projecting pattas as per detail, including scaffolding, curing etc. complete as directed.		SQM	
5.05	60.00	Providing and applying 25 mm thick water proof cement plaster in CM 1:3 (1part of cement:3 part of sand) at al levels using water proofing compound of approved quality as per manufacturer's specification. Rate includes necessary scaffolding, curing etc. complete as directed.		SQM	
5.07	230.00	Providing and applying white washing with lime on new work, at all ht. With three or more coats to give an even shade to walls, ceiling, AC sheets etc., including adding of glue of pidilite Co., or of equivalent, Indigo (blue) make (last two coats shall be applied with brush only).		SQM	
5.08	100.00	Providing and fixing 24 gauge chicken wire mesh at the junction of masonry work and RCC work or on any other place as directed including fixing with nails, raw/plugs etc. complete, at all heights, before applying plaster.		SQM	
5.09	280.00	Providing and applying (with rollers only) Plastic emulsion paint of required shed and approved make on new/old work in two or more coats to give an even shed including the preparation of surface for painting, applying primer and putty, at all heights complete as per manufacturer's specification and as directed.		SQM	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
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5.11(b)	1430.00	P & A "Apex" or "weather coat" of Asian OR British paints to exterior surfaces of walls including cleaning old plastered surface with wire brush/new wall two or more coats of approved shade at all height as directed.		SQM	
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TOTAL OF FINISHING WORK

RS. _____

Note :

Groove with cement finish up to 12 mm x 6 mm shall be formed in plaster at the junction of slab and beam and slab and brick without any extra charge.

Similar grooves shall be made in plaster at the junction of masonry and wood or steel door or steel window frames or at bottom of beams as drip moulds without extra charges.

Sand used shall be 50% fine and 50% coarse for plaster unless otherwise specified.

Since the item specification of item 5.11(b), is self explanatory, no detailed specifications are provided in volume -1.

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
6.000		FLOORING WORK			
6.05		Providing and laying polished green kotah stone flooring using one side pre polished chisel dressed green kotah stone in uniform shade of size 17"x17" / 17"x23" / 23"x23" (thickness of the stone 25 mm to 30 mm) over 30 mm thick cement mortar 1:4 (1 part cement :4 part coarse sand) including spreading neat cement slurry @ 4.4 Kg / sq m with flush pointing of the joints with cement paste mixed with matching green color, curing, machine / hand polishing ,cleaning with oxalic acid, wax polishing moping the finished surface of flooring with water and kerosene for 10 days etc. complete as directed.			
	182.00	as above in Normal Pattern.		SQM	
6.06	170.00	Providing and laying pre-polished machine cut green Kota stone of uniform shade in required size as per drawing,18 to 20 mm thick in skirting / dado flush with plaster with a groove or projecting as per detail / approved pattern over a bedding of 12 mm thick cement mortar 1:4 (1 part cement :4 part coarse sand) including spreading neat cement slurry with flush pointing of the joints with cement paste mixed with matching green color, curing, machine / hand polishing, wax polishing moping the finished surface with water and kerosene for 10 days etc. complete as directed. The joints of skirting / dado to be matched with flooring without any extra cost.		RMT	
6.07		Providing and laying pre-polished machine cut single piece green Kota stone of uniform shade in required size as per drawing 20 to 25 mm thick for treads, risers, sides of staircase, kitchen platform, window cills over 20 mm thick cement mortar bed of CM 1:4 (1 part cement :4 part of coarse sand) with thick cement slurry including making 3 to 5 mm V shaped grooves if required, curing machine / hand, curing, grinding, polishing, wax polishing etc complete as directed. Laying procedure and post polishing cleaning is same as in item no.6.05.			
	95.00	For stone up to 1.50 M long in single piece.		SQM	
6.09	61.00	Providing and laying both sides pre polished machine cut selected single piece green kota stone of even thickness of uniform shade in required size as per drawing ,25 to 30 mm thick for shelves including cutting jharies and making good the same as required curing, propping, polishing / wax polishing etc complete as directed		SQM	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
6.11	R.O.	Providing and laying 40 mm thick IPS flooring with under layer of 28 mm thick Cement concrete 1:2:4 (1 part cement, 2 part coarse sand and 4 part stone aggregate 12.5 mm and down graded) finished smooth with top layer of 12 mm thick mortar in CM 1:2 (1 part cement : 2 part coarse sand)and cement slurry @ 2.2 Kg / Sq.M including rubbing/ grinding the top surface to match, including rounding off the junction and corners with floors and walls, necessary construction joints, finishing the top surface smooth / chequered or broom, curing etc. complete as directed. at any height & depth.		SQM	
6.12	168.00	- Do- as per item no. 6.11 but for providing and laying 50 mm thick IPS flooring with under layer of 38 mm thickness and top layer of 12 mm thickness complete as directed. at any height & depth.		SQM	
6.13	464.00	- Do- as per item no. 6.11 but for providing and laying 75 mm thick IPS flooring with under layer of 63 mm thickness and top layer of 12 mm thickness complete as directed. at any height & depth.		SQM	
6.13 a	R.O.	--do-- as 6.12 for 100 mm thick IPS flooring at any height & depth.		SQM	
6.17	R.O.	Providing & laying skirting and dado of 5 to 5.5 mm thick white glazed tiles of size 200 x 300 or 150 x 150 of approved first quality (I.e. Johnson & Johnson or Somani or equivalent make) fixed over 13mm thick plaster in CM 1:3, including providing groove up to 3mm wide if directed to do so and using white cement in pointing of joints and applying neat cement paste about 3 kg/sq.m. The rate shall be inclusive of centre point fittings i.e. extra labor, material etc. to be considered so as to get outlet of plumbing / sanitary fittings at the junction of four tiles including cleaning etc. complete as directed.		SQM	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
6.18	470.00	Providing and laying 1st quality Colored ceramic tiles dado minimum 7 to 8 mm thick of size 300 x 300 or 300 x 450 of approved first quality (I.e. kajaria ,Johnson & Johnson, Somani or equivalent make) fixed over Dry wall partition using approved make water resistant tile adhesive like bal endura or equivalent material for tile fixing and joint filing. joint between floor to wall & wall to wall joint to be filled with corner reinforcement with fiber tope & waterproof membrane. The rate shall be inclusive of centre point fittings i.e. extra labor, material etc. to be considered so as to get outlet of plumbing / sanitary fittings at the junction of four tiles including cleaning etc. complete as directed. (The basic rate for supply of Ceramic Tiles shall be Rs 550 /Sq.m. inclusive of taxes and FOR site.		SQM	
6.18(a)	87.00	Providing and laying 1st quality Mat finish ceramic tiles in floor minimum 8 to 10 mm thick of size 300 x 300 or 300 x 450 of approved first quality (I.e. kajaria ,Johnson & Johnson, Somani or equivalent make) set in cement slurry over bedding of 12 mm thick cement mortar 1 : 4 (1 part cement : 4 part coarse sand) laid to requisite , line, level and plumb, either flush with the wall surface or uniformly projecting as per details / directed including cutting / making holes , raking cleaning the joints and filling with white / colored cement, curing and cleaning with mild acid etc complete as directed (The basic rate for supply of Ceramic Tiles shall be Rs.550 /Sq.m. inclusive of taxes and FOR site.		SQM	
6.22	R.O.	Providing & Laying approved quality & shed of mirror polished machine cut 18 - 20 mm thick black jed or any color and shed granite stone in required length and width as per the details over 37mm thick cement mortar beading 1:2 (1: cement : 2 course sand) in flooring walls sills,risers, treads steps, platforms, water trough etc including filling the joints with white /colored cement rounding edges ,curing etc completed as directed. (The basic rate for supply of granite shall be Rs. 2500/Sq.m. inclusive of taxes and FOR site)		SQM	
6.22(a)	R.O.	P/F 20 mm thk Granite stone in sill in door/ window with molding edges & polishing etc.complete as directed.(The basic rate for supply of granite shall be Rs. 2500/Sq.m. inclusive of taxes and FOR site.		SQM	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
6.30a	500.00	<p>Providing proprietary Acrylic Polymer modified cementations slurry (PMC) water proofing system of TAPECRETE P 151 in proportion as 100 kg OPC cement to 52 Kg TAPECRETE – P – 151 of M/s CICO Technologies Ltd, New Delhi or equivalent approved as per manufacturers specifications to horizontal RCC roof terraces at all levels and part of parapet (up to 300 mm height returns/wattas) including cutting groove and forming drip mould with the joint of parapet wall plaster at height of minimum 300 mm from finished waterproof roof surface and at uniform level all along the parapet/vertical wall.</p> <p>All the system comprises of : a) The RCC terrace surface shall be cleaned to remove all dust, foreign matters, loose materials or any deposits of contamination by scarifying, rubbing/grinding, water blasting using pressurized water jet using high pressure pumps.</p> <p>b) Providing and applying one coat of Acrylic Polymer Modified Cementations (PMC) slurry coating (minimum coverage as 0.5 Kg per SqM) over RCC roof slab and continue up to groove at a height of 300 mm from finished roof slab.</p> <p>c) Providing and laying approved quality fiber glass cloth with minimum 55 GSM (Grams per SqM) over coated surface while the coating is still green and plastic stage.</p> <p>d) Providing and applying one coat of Acrylic Polymer Cementations slurry coating over the fiber glass cloth laid surface having minimum coverage as 0.3 Kg/SqM.</p> <p>e) Providing and applying final coat of PMC brush topping using the proportion as per the detailed specifications at minimum coverage as 0.5 Kg/SqM) Providing 10 years guarantee bond for water tightness performance of the job as above. g) Job includes to work at all heights and levels, all materials, labor, lead, lift, cleaning, curing etc complete as directed.</p>		SQM	
6.30	131.00	- Do- as per item no. 6.30 but for waterproofing in sunk slab .complete as directed. at any height & depth.		SQM	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
6.30(b)	500.00	<p>Description for china mosaic work on Terrace with chemical Water proofing work.</p> <p>Providing and laying China Mosaic work in slope with white glazed Tiles broken equal pieces not more than 25 to 37 mm wide and colored glazed tiles equal pieces, making pattas, vattas etc. as per details with necessary thick bedding in CM (1:4) laid in required slope, consolidating with wooden hammer, filling joints with white cement, cleaning the surface and acid washing etc. complete as directed at any height. This item includes the work as under.</p> <p>1). Before executing the china mosaic work first, Thoroughly cleaned surface free of dust, loose lumps of cement mortar, debris etc. than clean the surface with water and then after coating work of chemical water proofing is to be applied by brush or with other equipment as per the specification and direction suggested by manufacturer's of chemical water proofing work. The application is done on Floor area & vattas. Through approved water proofing chemical agency.</p> <p>2)Providing and laying average 100 mm thick IPS (1:2:4) for slope in terraces at all levels including, watta, junction of pipes, shelves, drains, scaffolding, curing etc. complete as per specifications detailed below:</p> <p>3).Providing & applying waterproofing work on IPS with vattas as per manufacturer's specification as mention in item no 6.27(a)</p> <p>4).On complication of the work as mentioned above as serial no 1 to 3 , the china mosaic work on terrace is to be started as per the specification mentioned as above with its details as directed.</p> <p>The work shall be carried out as per manufacturer's specifications for waterproofing including furnishing of guarantee for 10 years on suitable Stamp Paper duly registered to Notary.</p> <p>Note: The 100 mm thick IPS (1:2:4) work will be paid separately in tender item no 6.13 a</p>		SQM	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
6.31	566.00	Providing and fixing vitrified tile flooring of required size & thickness as per drawing, in desired shade of color, laid in floors, treads sills for doors and windows and landing on 25mm thk cc 1:2:4 with 6mm and down graded aggregate over a 30 mm thick bed of 1 cement :6 coarse sand including spreading neat cement slurry at the rate of 4.4 Kg/Sq.M, filling of joints with neat white cement slurry mixed with pigment to match the shade of tiles, rubbing curing, polishing, protection of finished surface, cleaning the same finally etc. complete as directed. (The basic rate for supply of vitrified tiles shall be Rs.750/Sq.m. inclusive of all taxes and FOR site) , size of vitrified tiles as per approved by Architect.		SQM	
6.32	685.00	Providing and fixing vitrified tiles as per approved samples in skirting, risers not exceeding 75 mm in height on 12 mm thick cement plaster 1:3 (1 cement :3 coarse sane) flush with plaster or projected as specified, including jointing with neat white cement slurry mixed with pigment to match the shade , rubbing finishing of joins between top of skirting and plaster, curing etc. complete as directed. (The basic rate for supply of vitrified tiles shall be Rs. 750/Sq.m. inclusive of taxes and FOR site).		RMT	
6.34	R.O.	Labour charges for providing full round moulding on edges of kotah stone, green marble stone and granite stone by using all tools such as special grinding and art cutter machine including making the edges mirror polished etc complete as directed.		RMT	
TOTAL OF FLOORING WORK					RS. <hr/> <hr/>

Note : Providing protecting layer of plaster of Paris during the entire execution period of vitrified, granite & ceramic flooring and removal the same etc.complete as Archi. drg.& design .

Since the Item specification of item no. ,6.22a,6.30,6.30a,6.30b & 6.31 to 6.34 are self explanatory. No details specification are provide in Volume- I.

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
7.00		STEEL WORK			
7.11(a)	1175.00	Providing, fabricating and fixing in position, grill railing, steel ladder of MS sections as per architect's details including to smooth surface fixing hold fast of MS sections embedded in concrete 1:2:4 (1 part cement, 2 part coarse sand, 4 part of stone aggregate 12 mm and down), anchor bolts including 2 coats of synthetic enamel paint of make J&N / Shalimar / British / Asian, over a coat of primer etc. complete as directed.		KG	
7.11(b)	1350.00	do as item no. 7.11 (a) but for Hollow MS box section, rectangular / square for railing / ladder of Tubular section.		KG	
7.12	50.00	Providing, fabricating and fixing in position MS inserts such as nosing, corner angles of columns, plates, flats, tees, protection channels of reception dock, provision for pipe hangers, supports, brackets and monorails, hooks, frame around cut-out MS pipe sleeves as per drawings and specifications, in true line and level including embedding the same into the permanent works at the time of casting of RCC works with necessary welding, grinding and painting with two coat of first quality synthetic enamel paint of make J&N / Shalimar/ British/ Asian, over a coat of primer etc. complete as directed.		KG	
7.13	500.00	Providing, fabricating and fixing in position M.S. gate made out of M.S. rolled/hollow (rounds/rectangular/ square etc.) sections as per architect's details including shearing /cutting, riveting, welding, grinding to smooth surface of all works, pivots, hinges, MS solid shafts, MS fixing holdfasts to be grouted in concrete column / block, providing and fixing nuts bots fasteners as required, rail track if required, as per architect's details, providing closing / locking arrangements, including painting with two or more coats of first quality synthetic enamel paint of approved quality and make over a coat of primer etc. complete as directed. (Individual member will be measured in RM / SqM and converted to weight by multiplying with coefficient and shall be paid in Kgs. Nuts, bolts, washers required for fastening the hinges shall be deemed to have been included in the unit rates and nothing extra shall be paid for).		KG	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
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7.14	R.O.	Providing and installing S.S pipe Railing with necessary vertical post supplied by specialized agencies. Such as HI-Tech Enterprise, Royal Fabrication , Mudra Deco grill or any other agencies' approved by architect/owner, The railing shall be fabricated from S.S Grade .316.Pipes having 1.6 mm thickness, rate also includes fixing the same in R.C.C floor as directed etc.completed.		RMT	
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Since the Item specification of item no. 7.14, is self explanatory. No details specification are provide in Volume- I.

TOTAL OF STEEL WORK

RS. _____

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
9.00		MISCELLANEOUS WORK			
9.01	14.00	Extra for providing & fixing approved make 6 lever Mortise lock with pair of brass oxidized / chromium plated handles.		NO	
9.03	130.00	Filling the electrical zaris 250 mm to 150 mm wide and 50mm to 100mm deep with cement mortar 1:3 and finishing the same to match with the surrounding white wash of any other finish, etc. complete as directed.		RMT	
9.04	4.00	Dismantling brick masonry walls/Rubble masonry and partitions , plastered or unplastered as per instructions including finishing the broken surface to match with the surrounding, removing the debris as directed within site, cutting if any etc. complete as directed. The dismantling of stone masonry, BBCC, PCC & stone pitching would be measured under this item.		CUM	
9.05	2.00	Dismantling the RCC beams, slabs, lintels, columns, pardi walls, platform etc. including finishing the broken surface to match with the surrounding, removing the debris within site, including cutting the reinforcement if any etc. complete as directed.		CUM	
9.06	350.00	Providing and filling the zaris 25 mm to 150 mm wide and 50 to 100 mm deep with PCC (1:2:4) and Finishing with plaster to match with surroundings including chiseling, scaffolding, curing etc. complete as directed.		RMT	
9.07	13.00	Making holes up to 30 cms. In dia. Or 30x30 cms. In size in RCC works and filling the same with PCC (1:2:4) and finishing the same as per surrounding including scaffolding, cutting the reinforcement bars, curing etc. complete as directed.		NO	
9.08	5.00	-do- as per 9.07 but making hole in brick masonry wall .		NO	
9.12	80.00	Providing and fixing 150mm wide 8mm thick PVC water stop of approved make in proper alignment at construction joints, joining as per the supplier's recommendation etc. complete as directed.		RMT	
9.14	4.00	P & F GI B class pipe insert for Water tank 50 mm dia.450 long.		NO	
9.15	4.00	P & F GI B class pipe insert for Water tank 40 mm dia.450 long.		NO	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
9.18	10.00	Providing, Supplying and fixing of C.I Rungs (C.I Staps)330 mm long and 164mm wide fixing in 350 X 150 mm rcc bed block as per EIC. The rate shall including of rcc bed block.		NO	
9.19	240.00	Providing and laying cement concrete vatas in proportion 1:2:4 (1: cement :2 course sand :4 10mm or down graded stone aggregate) finish with good surface etc. as directed.		RMT	
9.20	5.00	Dismantling / scrapping and removing existing plain/sand faced/grit cement plaster of any thickness from the brick/RCC works including necessary scaffolding at all heights and levels and disposing the debris within the site etc. complete as directed.		SQM	
9.23	9.00	Providing and fixing Pre-cast Cement Concrete grills for ventilation in cement concrete grade M20 having all fins and members minimum 75mm to 100mm thick in required size, shape and design, fixing in all types of walls with cement mortar (1:2) and finishing with neat cement slurry at all height etc complete as directed.		SQM	
TOTAL OF MISCELLANEOUS WORKS				RS.	<hr/> <hr/>

Since the item specification of items 9.12, to 9.23 is self explanatory, no detailed specifications are provided in volume - 1.

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
11.00		WATER SUPPLY All Toilets fittings are of Jaquar brand-continental series CP			
		Providing & Fixing Jaquar Make continental series Met, Chrome color fixtures or equivalents make for concealed pipelines including all necessary fitting etc complete as directed by Architect / Site Engineer.			
11.25	42.00	P/F CP brass bib cock- 15 mm dia (Foam flow) Code - CON-037KN CP(basic rate-Rs.725/- no)		NO	
11.26	6.00	P/F CP brass long body bib cock- 12mm dia (Code - CON-107KN)(basic rate-Rs.1000/-no)		NO	
11.27	8.00	P/F heavy duty stop cock 15 mm dia (Code - CON-053, 055, 059 CP)(basic rate-Rs.700/- no)		NO	
11.29	8.00	Providing and fixing C.I. Manhole cover of 40 kg. wt. Including fixing of C.I. Frame.		NO	
11.30	R.O.	Providing and fixing C.I. Manhole cover of 80 kg. wt. Including fixing of C.I. Frame.		NO	
11.31 (a)	4.00	Providing and fixing " B " class PVC/ GI rain water spout of 50 mm dia and length 600 mm including cutting the brick work or RCC and fixing the same, making good the surface after the work is complete, including painting of pipe etc. complete as directed.		NO	
11.31 (b)	42.00	-Do as per It. No. 11.31(a) but for 38 mm dia.		NO	
11.35	R.O.	(a) P & Fix. Brass Zoloto Handle valve 15 mm dia		NO	
	R.O.	(b)P & Fix Brass Zoloto Handle valve 20 mm dia		NO	
	16.00	(c) -Do as per It. No. 11.35 but for 25 mm dia		NO	
	R.O.	(d) -Do as per It. No. 11.35 but for 40 mm dia		NO	
	R.O.	(e) -Do as per It. No. 11.35 but for 50 mm dia		NO	
	R.O.	(f) -Do as per It. No. 11.35 but for 65 mm dia		NO	
11.36	14.00	Providing and fixing CP Brass heavy duty overhead single flow shower of approved make confirming to approved sample with CP brass 190 mm matching arm with wall flange etc complete as directed.		No	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
11.40	14.00	P/F CP brass towel rail 60 cm long (ACN 1111 NM)(basic rate-Rs.1100/- no)		No	
11.41		Providing & Fixing the PVC water tanks like Sintex / Fusion etc. including supply and fixing the inlet, outlet, air vent, over flow, drain pipe sleeves of specified size with necessary neoprene gaskets / packing/ washers, GI washers and check nuts etc., all complete as directed.			
[a]	R.O.	5000 liter capacity		LIT	
[b]	14000.00	2000 liter capacity x 4 nos		LIT	
[c]	R.O.	1000 liter capacity		LIT	
11.42		P & L Under ground PVC water line 10 Kg/cm2 pipes of following dia			
(a)	175.00	-do as 65 mm dia 10 Kg/cm2			
(b)	90.00	-do as 50 mm dia 10 Kg/cm2		RMT	
(c)	50.00	-do as 40mm dia10 Kg/cm2		RMT	
(d)	20.00	-do as 32mm dia 10 Kg/cm2		RMT	
(e)	R.O.	-do as 25mm dia 10 Kg/cm2		RMT	
(g)	R.O.	-do as 15mm dia 10 Kg/cm3		RMT	
11.43		P & L Open /Conceled APVC water line 10Kg/cm2			
(a)	R.O.	-do as 65 mm dia 10 Kg/cm2		RMT	
(b)	120.00	-do as 50 mm dia 10 Kg/cm2		RMT	
(c)	60.00	-do as 40mm dia10 Kg/cm2		RMT	
(d)	40.00	-do as 32mm dia 10 Kg/cm2		RMT	
(e)	240.00	-do as 25mm dia 10 Kg/cm2		RMT	
(f)	50.00	-do as 20mm dia 10 Kg/cm2		RMT	
(g)	100.00	-do as 15mm dia 10 Kg/cm3		RMT	
11.45		Providing and fixing CPVC of BOLL VALVE approved ISI quality or equivalent make like ASTRAL BRAND with chromium plated disc etc. as directed by engineer.			
(a)	2.00	50mm dia		NO	
(b)	12.00	40mm		NO	
(c)	4.00	32mm		NO	
(d)	16.00	25mm		NO	
(e)	R.O.	20mm		NO	
(f)	R.O.	15mm		NO	
		TOTAL OF WATER SUPPLY		RS.	

Note :- All plumbing fittings are to be fixed with centre point fittings and nothing extra shall be paid. All PVC pipe & pipe fittings approved brand shall be of Finolex ,suprime ,Astral , Dutron brand only

Since the item specification of items 11.41 to 11.45 is self explanatory, no detailed specifications are provided in volume -1.

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
12.00		SANITARY WORK			
		Note: All sanitary fixtures & items are of Cera make.			
12.07	14.00	Providing and fixing stainless steel sink of ISI mark, of size 600x450x200 or 250 mm with out drain board including all necessary fittings and special such as CI brackets, over flow, rubber plugs, CP brass chain, 31 mm dia. CP waste pipe, applying two coats of aluminum paint to the brackets etc. complete as directed.		NO	
12.08	24.00	Providing and constructing 150mm dia. Stone ware gulley trap and chamber with CI cover , including excavation, foundation concrete BBCC 1:5:10 230 mm wide masonry, in CM 1:6, plaster and back filling etc. complete as directed.		NO	
12.09	28.00	Providing and fixing HCL Nahani trap of approved make with perforated brass cast CP jali including cutting the floor and fixing trap in CC 1:2:4 making good the floor etc. complete as directed.		NO	
12.11	13.00	Construction of 0.6 M x 0.6 M (inside dimension) and 1.0 M depth Inspection chambers . The rate includes excavation, 150 mm thick BBCC 1:4:8 in foundation 230 mm wide bela masonry walls in CM 1:6, 12 mm thick plastering in inside and outside of chamber in CM 1:4, channels, IPS flooring, making drain channel, CI/MS rungs with paint, steps, CI cover 450 mm dia, weighing 40 kgs. with cover and 150 mm thick RCC 1:2:4 slab with standard reinforcement or M.S. heavy duty removable grill with frame etc. complete.		NO	
12.12	5.00	-do- as item no. 12.11 but for 1.0 M x 1.0 M x 1.50 to 2.00 M deep manhole with 80 kgs CI cover fixed in 150 mm thick RCC 1:2:4 slab etc. complete.		NO	
12.15		Providing & fixing PVC pipe for rain water disposal 6kg/c2 including welding of joints, fixing with MS clamps as per details and as directed. This also includes fixing of shoe bend. The item shall be measured in RM and nothing extra shall be paid for the fittings.			
(a)	R.O.	As above for 150 mm dia line.		RMT	
(b)	68.00	As above for 100 mm dia line.		RMT	
(c)	10.00	As above for 75 mm dia line.		RMT	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
12.16	2.00	Providing and constructiing soak well of 3M diameter and 5m inside deep. The rate includes for necessary excavation,refilling the trenches,spreading,watering & consolidating of excavated stuff upto 30M lead,150 mm thk 1:5:10 below wall footing,350 mm wide brick masonry at bottom,230 mm wide honey-comb brick masonry and solid brick masonry from 450mm below NGL and upto FGL in CM 1:6,filling with brickbats up to 4.0m depth, 150mm thick RCC(1:2:4) slab with shuttering and cutting, binding with 18 G iron wire & fixing in position of reinforcement,(steel bars shall be supplied by client),providing Medium duty CI cover of 58 kgs. Weighing in RCC slab,SW pipes outlet. CI vent pipes 75 mm dia.And 2 M high fixed on masonry pedstal with cowl. Aluminium painting, refilling. Leathering, Consolidating the earth to complete as directed.		NO	
12.17	2.00	Providing and constructiing septic tank of clear inside diamention 4Mx1. 5mx1.6 deep. The rate includes for necessary excavation,refilling the trenches, spreading, watering & consolidating of excavated stuff upto 30M lead,main brick masonry walls in CM 1:6 and partion brick wal CM 1:4,12 mm thick cement plaster in CM 1:4 on inside of walls,75 mm thick 1:2:4 IPS flooring,150 mm SW tees,150mm sewer trap, 150 mm thick RCC(1:2:4) top and bottom slab with shuttering and cutting, binding with 18 G iron wire & fixing in position of reinforcement, (steel bars shall be supplied by client),as per drawing with 2 nos of medium duty Ci only covers confirming to IS 1726 - (Part -IV),weight of 58 kgs. Including 0.90M x0.90 M size inlet and outlet chambers up to require depth with Medium duty CI only cover wieghing of 58 kgs.Top slab 150 mm thick,CI steps 75 mm dia., CI vent pipe 2 meter high with brick masonry pedstal with plaster with mica - flap valve etc.complete as per design and drawing and as directed.		NO	
12.18	8.00	Providing & Fixing 100 mm dia PVC cowl vent complete as directed.		NO	
12.19	12.00	-do- as item no. 12.18 but for 75 mm dia.		NO	
12.20		Providing & laying & fixing PVC waste water line concealed / open in the structure as per details and requirement with necessary specials such as Y-s, T-s offsets, plugs, bends and filling the joints with approved adhesive including cutting of wall floor and making good after the work is over etc., all complete as directed.			
(a)	110.00	as above for 50 mm dia 10 kg/cm2.		RMT	
(b)	60.00	as above for 75 mm dia 10 kg/cm2.		RMT	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
(c)	115.00	as above for 90 mm dia 10 kg/cm2.		RMT	
(d)	90.00	P/L PVC waste water line open/conc. 110mm dia 10 kg/cm2		RMT	
(e)	R.O.	as above for 160 mm dia 10 kg/cm2.		RMT	
12.21 (a)	160.00	-do- as item no. 12.20 but for 100 mm dia open / concealed Soil west line 10 kg/cm2.		RMT	
12.21 (b)	90.00	-do- as item no. 12.20 but for 150 mm dia open / concealed Soil west line 10 kg/cm2.		RMT	
12.23	2.00	P/C 600x600x600 deep chamber in perforated brick masonry chamber with wooden cover.			
12.28	14.00	Providing and fixing first quality cera make or equivalent white glazed vitreous china W.C. Orrisa pan size 580x400 mm (Code 2071) (basic rate-Rs.1935/- no) with 100 sand cast CI 'P' or 'S' trap of approved ISI mark in cement concrete 1:2:4. (1 part cement, 2 part coarse sand, 4 part or stone aggregate) and providing and fixing the 25 mm dia. half turn heavy duty ISI mark flush cock including cutting and making good the walls and floors etc., all complete as directed.		NO	
12.30(a)	14.00	P/F Cera snow white wash basin 500x420 mm cera make cabinet (code 1067) (basic rate-Rs.2770/-no) with CP pillar cock Jaguar make 15 mm dia code no CON-CHR-011KN(basic rate-Rs. 750/- no) with waste coupling 32 mm size code ALD-705)and rubber plug with CP chain, one 15 mm CP angle valve chromium plated, connecting CP pipes with nuts and all fittings,, heavy brackets with two coats of aluminum paint over brackets, and 32 mm dia GI/PVC concealed waste pipe in wall with bend etc. complete as directed.		NO	
12.35	R.O.	P/F CP brass flush valve - 25 mm dia Jaguar make code no Queen QQT-8081(basic rate-Rs.2150/- no)		No	
12.39		P/F approved quality shop dispenser with metallic bottle Jaguar make code ACN- 1135 N (basic rate- Rs.1100/- no)		NO	
12.43	14.00	P/F approved quality shop dish Jaguar make code ACN- 1131 N(basic rate-Rs. 525/- no) with necessary cutting the wall and finishing the surroundings etc. complete as directed.		NO	

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
12.44	14.00	Providing and fixing looking mirror 5 mm thick of approved make over a backing of 12 mm thick Novaboard firmly fixed with brass oxidized screws , CP cup type screw etc. including the painting the exposed surfaces complete as directed.		NO	
12.46	14.00	P/F approved quality CP Towel ring round .aquar make code ACN- 1121 BN (basic rate-Rs. 825/-no)		NO	
		TOTAL OF SANITARY		RS.	=====
		Note :- All sanitary fittings are Jaguar Make Met. Chrome to be fixed with centre point fittings and nothing extra shall be paid. All PVC pipe & pipe fittings approved brand shall be of Finolex ,suprime ,Astral , Dutron brand only			
		Note: cable trenches of various sizes, chambers having size other than specified above will be measured under relevant items of work.			

ITEM. NO	Qty	DESCRIPTION	Rate	UNIT	AMOUNT IN Rs.
13.00		ALLUMINIUM WORK			
13.01	R.O.	Providing & fixing approved color anodized Aluminum door having frame of 101.6 x 44.5 x 2.82 mm thk weight 2.236 kg/Rmt shutter shall be made from style 85.0 x 44.45x 3mm thk weight 2.05 kg/Rmt Top and bottom rail 95.25 x44.45 x 2mm thk weight 1.519 kg/Rmt. Lock rail 150 x 44.45 x 2.65 mm thk weight 2.786 kg/Rmt , Bottom rail 114.30 x 44.45 x3.18 mm thk weight 2.646kg/Rmt 6mm thk float glass as directed. Rate shall include copper door lock of approved make S S handles of approved design, concealed tower bolts, Neoprene Rubber gasket, fixing with all color as directed aluminum section shall be Jindal make of equivalent section of Hindalco. Aluminum frame shall have in built projection for door stopper with groove for rubber gasket. Detail as per architects drawings.		SQM	
13.02	60.00	Providing and fixing approved color anodized aluminum sliding glass windows three tracks with fly proof shutter including providing and fixing SS wire mesh of 23 gauge tightly with matching beading as per architect's details, using aluminum sections of following sizes outer frame of 75.0 x 38.0 x 2 mm thick wt. 1.036 kg. Rmt. Top and sides frame 75 x 25.40 x 1.70 mm thick Wt. 0.80 Kg/Rmt bottom frame 75 mm x 25.40 x 1.60 mm thick Wt. 0.846 Kg/Rmt Shutter Top & Bottom 60.00 x 25.00 mm x 1.70 mm thick Wt. 0.781 Kg/Rmt Shutter Interlock 50.00x25.00+10.00 x 1.30 mm thick Wt. 0.683 Kg/Rmt Shutter Side (Handle) 50.00x25.00x1.20mm thick Wt.0.593 Kg/Rmt 5mm thick glass shall be framed in Aluminum section of 43.0 x 25.0 mm with necessary sliding channel and locking arrangement size of the shutter shall be as directed. Aluminum sections shall be of mat finish anodizing of 18 micron. Rate includes all necessary fixing arrangements, Neoprene lining, filling the gaps the between AL. section and wall with sealant as directed.		SQM	
13.03 (a)	65.00	;- Do - as per item no 13.02 but for P/F Al.approved color coated fixed type louvered ventilators with 5mm thk float Glass.		SQM	
		TOTAL OF ALLUMINIUM WORK		RS	=====
		GRAND TOTAL		RS	=====