

FINANCIAL BID: SCHEDULE OF QUANTITIES							
PROJECT: CONSTRUCTION OF BANK'S BRANCH AT GOVERNMENT QUARTER NO SB 78, MAIN ROAD VIJAYAPURI SOUTH, NAGARJUNA SAGAR, MACHERLA MANDAL, GUNTUR DISTRICT - 522439.							
S.No.	DESCRIPTION	QTY	UNIT	RATE IN FIGURES (Rs.)	RATE IN WORDS	AMOUNT IN FIGURES (Rs.)	AMOUNT IN WORDS (Rs.)
A	CIVIL WORKS						
1	Earth work in excavation in all kinds of soils including soft disintegrated rock if any and filling with available excavated earth in trenches, plinth, sides of foundation etc., in layers not exceeding 20cm, consolidating by watering, ramming etc. complete and lift of 2.5M including shoring, strutting, bailing out water if any in loose, dense or hard soils.	82.51	CUM				
a)	Upto 2.5M depth						
2	Providing Anti termite treatment to floors, bottom and sides of foundations etc., complete as per IS:6313, part II - 1981 or latest addition and creating a chemical barrier under all round column pits, wall trenches, basement, excavation, top surface of filling, junction of wall and floor, external perimeter of building. The works carry a guarantee for the satisfactory performance of the treatment for a minimum period of 10 years etc., All as directed by the Engineer-in-charge.	274.07	Sq.mt				
3	Filling with quarry rubbish/locally available soils from approved available sources in layers consolidating each deposited layer by watering and ramming including cost and conveyance of quarry rubbish and water to work site and all operational charges etc complete for finished item of work open area, plinth & basement.	373.51	Cu.mt				
4	Providing & laying cement concrete 1:4:8 (1Cement: 4Coarse sand: 8Graded granite stone aggregate 40mm nominal size) M7.5 consolidation, curing etc., including shuttering and centering required, if any, complete in foundations and plinth.						
	a) Below Main buiding tiles.	31.83	CUM				
	b) Below parking tiles	9.34	CUM				
5	Providing & laying plain cement concrete 1:2:4 (1Cement: 2Coarse sand: 4Graded hard granite stone aggregate 20mm nominal size) M15 in parapet copings, bed blocks, plain window sills and the like including consolidation, curing etc., including centering and shuttering required, if any.	2	CUM				

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6	Providing and laying Reinforced cement concrete in 1:1½:3 (1Cement: 1½Coarse sand: 3Graded granite stone aggregate 20mm nominal size)M20 mix by volume giving a minimum cube crushing strength of 20 N/mm ² (28th day strength) machine mixed and mechanically vibrated at all heights/ floors/ depths as per drawings, including all materials, labour, centering and shuttering work proping etc., and removal of form work and scaffolding, but excluding cost of reinforcement steel and its fabrication, for all types of structures and locations including curing.						
a)	Footings	22.69	CUM				
b)	Columns upto (Plb bottom)	2.91	CUM				
c)	Columns above FGL in Ground Floor	8.96	CUM				
d)	Plinth beams	7.24	CUM				
e)	Lintels	1.67	CUM				
f)	Roof beams (Ground Floor)	14.10	Cum				
g)	Strong room (wall & bottom slab)	25.77	Cum				
h)	Roof slab (Ground floor)	28.79	CUM				
7	Providing, laying and fixing of RCM Cast-in-situ slabs of 50mm finished thickness with CM (1:2) over a rabbit wire mesh of 24 gauge including scaffolding, centering, mixing and laying, curing, incidental charges, leads, lifts and labour excluding the cost of reinforcement steel and its fabrication, but including cost of finishing etc., the exposed surfaces in CM (1:3) of 6mm thick as per drawing (for Elevation fins and wherever suggested).	35.00	SQM				

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8	Supplying, cutting, bending, hoisting, tying in position steel reinforcement for all R.C.C. items including cost of 18 gauge soft drawn annealed steel binding wire, including spacers, covers, laps, chairs at any level.						
a)	Fe 500 grade high yield deformed steel bars conforming to IS 1786-1985 and MS round bars conforming to IS 432.	7900.00	Kg				
b)	For Strong room Cconstruction	3400.00	Kg				
9	Providing and laying RR masonry using hard granite stones in cement mortar 1:6 (1Cement: 6 Coarse sand) with necessary bond through stones including raking joints, curing etc., in foundation and plinth.	38.20	CUM				
10	Providing & laying brick work using locally available best bricks of approved quality with compressive strength not less than 35 Kg/ cm ² in cement mortar 1:6 (1Cement: 6 Coarse sand) including raking joints, scaffolding, curing etc., complete in super structure for walls of one brick thick and above at all heights.						
a)	Ground Floor	42.44	CUM				
b)	Parapet wall	17.33	CUM				
c)	Compound wall	29.12	CUM				
11	Providing & laying brick work of half brick thickness using locally available best bricks of approved quality with compressive strength not less than 35 Kg/ cm ² in cement mortar 1:4 (1Cement: 4Coarse sand) in partition walls at all heights as per specifications including raking joints, scaffolding, curing and providing 2 No's of 6mm dia MS round bars on every fourth course etc., complete.	66.91	SQM				
12	Providing cement plaster 12mm thick average in CM (1:3) and finishing the surface even & smooth, making the corners true by hacking the RCC surfaces, including curing, scaffolding etc., complete for ceiling , beam sides & bottoms complete for finished item of work.						

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a)	Ground Floor (Ceiling/ Beams)	185.00	SQM				
13	Providing 16mm thick average cement plaster in two coats, 1st coat 12mm thick in CM (1:6) and top coat 4mm thick in CM (1:4), finishing the surface smooth and even, making the corners true including curing, scaffolding, hacking etc., complete over brick walls and RCC surfaces to the interior face of the building complete including roughening of first coat plaster surface to receive 2nd and final coat of plaster and providing chicken mesh at junctions of concrete, masonry etc., and including making grooves as directed. (In side walls)	268.00	SQM				
14	Providing 20mm thick average cement plaster in two coats, 1st coat 14mm thick in CM (1:6) and top coat 6mm thick in CM (1:4), mixed with water proofing compound Conplast Prolapin 421-IC at 130ml per bag of cement, finishing the surface smooth and even, making the corners true including curing, scaffolding, hacking etc., complete over brick walls and RCC surfaces at all heights of the building complete including roughening of first coat plaster surface to receive 2nd and final coat of plaster and providing chicken mesh at junctions of concrete, masonry etc., and including making grooves as directed. (Out side walls & compound wall)	310.00	SQM				
15	Providing & applying two coats of white cement washing using approved best quality of Birla/JK white cement to undersides of ceiling, chajjas/Walls including preparation of surface etc., complete at all heights.	185.00	SQM				
16	Providing and applying 2 coats of oil bound distemper of approved brand, colour and quality over and including a coat of primer including preparation of surface with putty finish with Birla Wall care/Alteck putty etc., complete for all internal faces of walls at all heights	268.00	SQM				
17	Providing and applying two coats of APEX ultima paint of approved brand, colour and quality over a coat of approved primer including preparation of surface etc., complete for all external faces of walls at all heights.	340.00	SQM				
18	Providing and applying two coats of decorative and protective textured wall finish (Spectrum Quartz King) or equivalent to give an even shade of approved colour and shade over one coat of approved primer by the manufacturer, to external walls as per manufacturer's instructions including preparing the surfaces, scaffolding, cost of brushes, curing etc., complete for finished item of work.	70.00	SQM				

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S.No.	DESCRIPTION	QTY	UNIT	RATE IN FIGURES (Rs.)	RATE IN WORDS	AMOUNT IN FIGURES (Rs.)	AMOUNT IN WORDS (Rs.)
19	Providing & applying two coats of Synthetic enamel paint of approved brand, and shade over a coat of wood primer/ Zinc chromate primer including preparing the surface with putty to give an even finish including the cost of scaffolding, brushes etc., complete over new wood/ steel work for finished item of work, to give an even shade.	68.00	SQM				
20a	Providing and laying of flooring with 16 to 18 mm thick granite slab (Ruby/Mirchi/Fire red Raw silk/or any colour) of approved quality and shade by Engineer incharge had over base coat of 20 mm thick CM (1:6) proportionate, over cc bed /R.C.C already laid, including neat cement slurry of honey like consistency spread @ 3.3 Kg/Sq.mts and filling the prints with white cement paste midex with pigment of matching shade including cost and conveyance of all materials like cement, sand, water , granite slab including white cement, spacers etc., to site including cost of seigniorage charges on all materials, lift charges cost of base coat and all labour charges for mixing of cement mortar, laying to required slope as directed by the Engineer-in-charge curing etc., complete for finished item work including skirting. The size of stone is not less 0.75 m width and 1.50 m length.	20.00	SQM				
b)	- do - as above for staircase/ Steps tread and rises including nosing as directed by the Enginner-in-charge curing etc., complete for finished item of work. The size of stone will be in single piece for the treads and raisers.	15.00	SQM				
c)	- do - as above for wall cladding with 30cmsx60cms granite tiles of 10mm thick including grove jointiong as directed by the Enginner-in-charge curing etc., complete for finished item of work.	15.00	SQM				
21	Providing and fixing self design ceramic tiles of size 300x 450mm (5.5mm thick) of 1st quality and of approved make for vertical faces over and inclusive of 12mm thick base plaster in cement mortar 1:3 (1Cement: 3Coarse sand) including a floating cement slurry including grouting/ filling the joints with white cement slurry mixed with matching pigment, curing, cleaning and leaving/ making necessary holes for sanitary connection complete for dadoing in toilets(with border tile of 100mm and concept model)	60.00	SQM				
22	Providing & fixing Non-Skid Ceramic tiles 300x300mm of approved colour/pattern over 20mm thick bed in Cement mortar (1:3) including Jointing & filling with cement mortar to match the shade of tiles with coloured pigments.	12.00	SQM				

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S.No.	DESCRIPTION	QTY	UNIT	RATE IN FIGURES (Rs.)	RATE IN WORDS	AMOUNT IN FIGURES (Rs.)	AMOUNT IN WORDS (Rs.)
23	Provision of 30mm thick solid core flush door shutters with PVC membrane film of 0.6mm thick of self design on front face of shutters and back side with plain film BWP quality with internal T.W lipping 30 x 25mm all around including cost of fittings such as 4 no's butt hinges 125 x 63 x 3.2mm, 1no Tower bolts 300 x 10mm and 1 No 200 x 10mm , 1No aldorp 230 x 12mm, 2 No's handles 100mm long, (Aluminium fitting to be of ISI marked and of approved make as per Drawing).	9.00	SQM				
24	Aluminium windows & ventilators						
	a) Supply and fixing in position powder coated aluminium fully glazed windows of approved colour using Aluminium 2 track box section frame of size 61.85 x 31.75 mm x 1.50 mm for top and vertical sides and 61.85 x 31.45 x 1.50 mm for frame bottom using sliding shutters made out of aluminium section 40 x 18 x 1.45 mm for inside the h-section for top and bottom and plain section for ends including making window weathering seal proof and mounted in fibre wheels 2 nos for each shutter and fixed 5 mm TH. plain float glass 1st quality with necessary PVC rubber bedding all around including providing 2 nos maruti lock cleat for window including cost and conveyance of all materials, labour charges for making, erecting in position etc., complete as directed by the department.	20.00	SQM				
	b) Ventilators with 100mm size glass lover fixed in aluminium adjustable frame with safety grill made with 12mm square rods at 100mm c/c both ways fixed on 25mm flat all around and firmly fixed in the wall.	2.00	SQM				
25	Providing and fixing MS fixed Grill of 12mm Sq rod @ 4" center to center in both the directions a an height with necessary bolts, nuts, rivets, holdfasts embedded in side the wall with concrete all accessories all fixtures and painted with one coat of approved steel primer and two coats of emulsion paint etc., complete for finished item of work. complete as per Bank / Architect direction.	20.00	SQM				
26	Supplying and fixing 110mm dia unplasticized PVC rain water down take pipes with all unplasticized PVC moulded fittings/ accessories like bends, offsets, shoes etc., whatever required, including making khurras with CI grating, jointing the pipes with cement including cost of surface, complete (pipes of working pressure 4 Kg/cm ²), pipes and fittings conforming to IS 4985 including jointing with seal ring conforming to IS 5382, leaving 10mm gap for thermal expansion).	15.00	RM				
27	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following operations: Applying and Grouting a slurry coat of neat cement using 2.75kgs/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab including cleaning the surfaced before treatment.	120.00	SQM				

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S.No.	DESCRIPTION	QTY	UNIT	RATE IN FIGURES (Rs.)	RATE IN WORDS	AMOUNT IN FIGURES (Rs.)	AMOUNT IN WORDS (Rs.)
	Laying Cement concrete using bronken bricks/ brick bats 25mm to 100mm size with 50% of cement mortar 1:5(1 cement : 5 Caorse sand) admixed with proprietary wazter proofing compound confirming to IS:2645 over 20 mmthick layer of Cement mortar of 1:5 admixed with with Propretary water proofing compound confirming to IS:2645 to required slope and treating sililarly the adjoining walls upto 300mm height including rounding junctions of walls and slabs.						
	After Two days of proper curing applying a second coat of cement slurry admixed with proprietary water proofing compound confirming to IS:2645 Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with Proprietary water proofing compound conformig to IS:2645 and finally finishing the surface with Trovel with neat cemet slurry and making of (300X300mm) Square.						
	Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with Proprietary water proofing compound conformig to IS:2645 and finally finishing the surface with Trovel with neat cemet slurry and making of (300X300mm) Square.						
	The whole terrace so finished shall be flodded with water for a minimum period of two weeks for curing and final test.All above operations to be done in order and as directed and specified by the Engineer-In- Charge.						
28	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their enitre length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guids and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 26.5 CM long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters all as per ISI specification.	14.00	SQM				
29	Supplying and Fixing Collapsible steel shutters with vertical,double channel of 20x10x2 mm of 100 mm long centre, Braces with flat iron 40x40x6 mm with 38 mm dia steel pulleys, the top, bottom and side vertical frames of the collapsible gate with 65x65mmx8mm MS Angle and middle guide at site height with necessary holdfasts, bolts,nuts,rivets,locking arrangements, stoppers, handles, all accessories all fixtures and painted with one coat of approved steel primer etc., complete for finished item of work.	16.00	SQM				
30	Dismanteling of Brick / CRS / RCC wall and removing of debries from the site, all including. Complete.						
a	Brick wall of 230 to 350mm (9" to14" thk)	52.00	SQM				

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S.No.	DESCRIPTION	QTY	UNIT	RATE IN FIGURES (Rs.)	RATE IN WORDS	AMOUNT IN FIGURES (Rs.)	AMOUNT IN WORDS (Rs.)
b	Brick wall of 115mm (4.5" thk) or MS grill / Cement grill area	22.00	SQM				
c	CRS wall	12.00	CUM				
d	RCC	2.00	CUM				
31	Supply and fabrication of M.S.Ladder (750mm wide 5 mts length) and fixing in position at ground floor to terrace of 750mm wide using 75x75x6mm angular's for side supports (vertical) and steps made up of 25x25x4mm angular outer frame with 20x4mm strips welded to outer frame to form the step. The rate should also include to provide hand railing on both sides. The rate should also include with two coats of synthetic enamel paint over a coat of anticorrosive metal primer.	5.00	R.Mt				
32	Welding joint at old and new slab rods. complete as directed by Bank / Architect.	30.00	R.Mt				
33	Providing and laying of scaffolding at all heights, at old slab and beams including all materials, labour, work proping etc., and removal of form work and scaffolding, etc. complete as directed by Bank / Architect.	50.00	SQM				
34	Chequered precast cement concrete tiles 30 mm thick in plinth protection / footpath & courtyard / Parking area jointed with neat cement slurry mixed with pigment to match shade of tiles including rubbing and cleaning etc., over well compacted sub base with 20mm thick cement mortar bed below the tiles including sides finished properly.						
a)	Tiles with 30mm thick	55.76	SQM				
35	Vitrified Flooring : Providing & laying of vitrified flooring with first quality of approved shade/ colour/ make vitrified tiles of size 605mmx605mm (cost of tile should not be less than Rs.70 per Sft.) laid on 20mm thk cement grouting mortar / use adhesive past to fix tiles for any existing hard flooring. This will be including a floating coat of white cement grouting to fill the joints with laticrete of matching colour.	185.00	SQM				

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S.No.	DESCRIPTION	QTY	UNIT	RATE IN FIGURES (Rs.)	RATE IN WORDS	AMOUNT IN FIGURES (Rs.)	AMOUNT IN WORDS (Rs.)
	For tile fixing adhesives and epoxy grouts of make laticrete 1 balendura are to be used. Rate includes removing of the loose / damaged existing tiles, preparing the surface to level and laying tiles of approved sizes to the pattern given, including curing & acid wash, cost of all material & labour. The finished product has to be certified by the manufacturers with out which payment will be with held. complete as diected by Bank / Architect.						
36	Chipping of old /existing tilles/ plasering/ mossic on the walls/ floor and removing debries from the site, with all materials and labour, complete, etc..	70.00	SQM				
A	SUB TOTAL OF CIVIL WORKS (A)						

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B	<u>SANITARY AND WATER SUPPLY WORKS</u>						
37	Providing and fixing white vitreous European type water closet with "S" or "P" trap, white plastic seat cover with brass hinges and rubber buffers, 10.0 liters low level flushing cistern with internal siphon fittings, painted C.I. brackets, 32 mm Dia CP. Flush bend, 20mm over flow pipe with special and mosquito proof coupling, 15 mm dia P.V.C Connector with brass nuts. 15 mm dia, CP. Angle stop cock etc., complete with all necessary fixing materials, such as screws, white lead T.W. plugs etc., including cutting and making good the walls and floors wherever required. (HSW20024)	2.00	Set				
38	Providing and fixing white vitreous wash basin of size 550mm x 400mm with painted C.I. Brackets 15 mm CP.. brass pillar tap, 32mm dia CP. Waste coupling with brass chain and rubber plugs, 32 mm CP.. bottle trap, 40 mm dia PVC waste pipe upto Nahani trap concealed in wall, 15 mm dia CP.. brass angle stop cock, 15 mm dia P.V.C connector with brass nuts, etc., including wash basin tabe and tap, complete with all necessary fixing materials such as screws , white lead etc., including cutting and making good the walls / floors wherever required	2.00	Each				
39	Providing and fixing 600 x 450 mm round edged 4mm thick mody/saint gobein/ASSIS make mirror fixed with steel studs of 50mm length with 6mm BWP grade plywood sheet backing with necessary fixing materials, such as brass C.P. head screws, T.W. plugs etc., complete for finished item of work.	3.00	Nos				
40	Providing and fixing 150mm dia CP. Towel ring of approved make with bracket, screws etc. complete	2.00	Each				
41	Providing and fixing 600mm long and 20mm dia C.P towel rod with brackets and fixed to wall.	2.00	Each				
	<u>WATER SUPPLY SERVICES</u>						
42	Supply and laying CPVC pipes for Cold water supply With malleable specials such as Tees, elbows, checknuts, unions, bushes, etc., as per ASTM - F493 solvent cement including fixing in walls ceiling, floors include for necessary excavation in all sorts of soils, chasing in the walls, cutting the holes in RCC members etc., refilling consolidation with the excavated earth & making bores in walls ceiling etc., and making good the chased surface in cement mortar and complete. When making a transition connection use metal threads fittings.						

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a)	15 mm dia	20.00	RM				
b)	20 mm dia	10.00	RM				
c)	25 mm dia	10.00	RM				
43	Providing and fixing heavy quality full way gun metal class-I gate valves with wheel, G.I. Nipple and union of approved make tested to Hydraulic pressure complete in all respects as directed by the Engineer-in-charge.						
a)	15 mm dia	1.00	Each				
b)	20 mm dia	1.00	Each				
c)	25 mm dia	2.00	Each				
44	Providing and Fixing Ball Valve(brass) of approved quality, High or low pressure, with plastic floats complete						
	25mm Nominal dia	2.00	Each				
45	Providing and fixing 15mm dia CP. stop cock of approved make 400 grams first quality.	3.00	Each				
46	Providing and fixing 15mm dia CP. long body bib cock of approved make 300 grams first quality.	3.00	Each				
47	Providing and fixing 15mm dia CP. Short body bib cock of approved make 300 grams first quality.	2.00	Each				

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48	Supply ,installation,& commissioning of Mono Block pumpset of 1.5HP, 3phase,50hz with necessary gate valves, NRV, etc. with suitable starter. Including all taxes etc complete. MAKE:Sugana/txmo.	1	EACH				
49	Supply & fixing of PVC Sintex make water tank on terrace or at required location making all required holes and fixing pipes of desired dia for inlet outlet, vent and cleaning spout,including preparing supports with RCC M15 concret base of 100mm thk for the tank bottom as required by Engineer-in-charge etc.complete in all respects as per specification and as directed. with following capacities . 1000 liters capacity (1 Nos)	1	Nos				
	DRAINAGE ITEMS						
50	SUPPLYING, LAYING, JOINTING AND TESTING OF PVC SWG PIPES OF 1ST CLASS INCLUDING JOINTING WITH SOLVENT CEMENT INCLUDING EXCAVATION OF TRENCHES AND SOCKET PITS IN ANY SOIL (EXCEPT ROCK REQUIRING BLASTING) UP TO 0.91M DEPTH AND REFILLING WITH EXCAVATED SOILS, WATERING, TAMPING, COST AND CONVEYANCE OF ALL MATERIALS TO SITE, LABOUR CHARGES ETC., COMPLETE FINISHED ITEM OF WORK FOR FOLLOWING DIA OF PIPES .						
a)	150 mm dia	30.00	RM				
b)	100 mm dia	15.00	RM				
51	SUPPLYING AND FIXING PVC 76.2MM (3") DIA NAHANI TRAP OF 1ST QUALITY WITH 76.2 MM NP GRATING OF APPROVED MAKE INCLUDING COST AND CONVEYANCE OF ALL MATERIALS TO SITE, LABOUR ETC., COMPLETE FOR FINISHED ITEM OF WORK.	8.00	Nos				
52	SUPPLYING AND FIXING OF 150MMX100MM SWG GULLY TRAP OF ISI MAKECONFIRMING TO ISI 651 &4127 WITH CI GRATING AND CONSTRUCTION OF BRICK MASONRY CHAMBER OF SIZE 20"X14"X12" IN CM (1:6) OVER CC (1:5:10) PROP. BED OF SIZE 20"X14"X4" AND PLASTERING WITH 12MM THICK IN CM (1:4) PROP. BOTH INSIDE AND OUTSIDE SURFACES AND FITTED WITH 9"X12" (230X305MM) RCC (1:2:4) 1 1/2" THICK COVER INCLUDING COST AND CONVEYANCE OF ALL MATERIALS TO SITE, LABOUR CHARGES ETC., FOR FINISHED ITEM OF WORK COMPLETE.	4.00	Nos				

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53	CONSTRUCTING 904.0 MM(3'-0") DIA BRICK MASONRY INSPECTION CHAMBERS AS PER IS-4111:PART-1:1986 WITH CM (1:6) PROP. USING 2ND CLASS CLAY BRICKS OF 225MM THICK FROM APPROVED SOURCE HAVING A MINIMUM CRUSHING STRENGTH OF 5N/SQ.MM INCLUDING EARTH WORK EXCAVATION IN ALL TYPES OF SOILS (EXCLUDING IN ROCK) UP TO A DEPTH OF 904MM (3'-0") /a1.52mt(5'0)AND LAYING CEMENT CONCRETE 150MM THICK BED OF(1:4:8) PROP.USING 40MM HBG METAL AND PCC (1:2:4) BENCHING AND CHANNEL 100MM THICK OVER CC (1:4:8)AS PER STANDARD SPECIFICATION AND 12MM THICK PLASTERING IN CM(1:3) PROP. TO BOTH INSIDE AND OUTSIDE FACES WITH NEAT FINISH AND FITTED WITH 20" DIA RCC MANHOLE COVERS AND FRAME INCLUDING COST AND CONVEYANCE OF ALL MATERIALS LIKE CEMENT, SAND, BRICKS, WATER ETC.,TO SITE ,COST OF SEIGNORAGE, LABOUR CHARGES LIKE MIXING CEMENT MORTAR, CONSTRUCTING MASONARY, LIFT CHARGES, CURING ETC., COMPLETE.FOR FINISHED ITEM OF WORK AS PER STANDARD SPECIFICATION						
	A) Up to depth of 0.91mts	5.00	Nos				
	B) Up to depth of 1.52mts	2.00	Nos				
54	Construction of inspection chambers with 230mm best quality approved TM bricks, in CM 1:4, over a bed of 100mm thick PCC 1:4:8, wall plastered smooth inside, in CM 1:3, with necessary excavation in all type of soil, benching and channelling in PCC 1:2:4, supply and fixing of CI frame and cover (Weight of frame and cover not less than 40 kg) and depth of chamber not exceeding 1.5m , 600mm X 600mm.	4	EACH				
55	Supply, fixing and testing of CI 100mm Anti Cockroch Nahani trap with 'P' or 'S' type trap, with CP grating heavy quality hopper type and 100mm dia outlet with necessary cement concrete chamber.	4	EACH				
56	SUPPLYING AND FIXING following DIA UV RESISTANT CPVC SWR COWL AS PER ISI STANDARDS INCLUDING COST AND CONVEYANCE OF ALL MATERIALS TO SITE, LABOUR ETC., COMPLETE FOR FINISHED ITEM OF WORK.						
a	110 mm(4") dia	2.00	Each				
b	75mm(3') dia	2.00	Each				

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57	SUPPLYING AND LAYING PVC / SWR PIPES OF APPROVED MAKE OF 4 Kg/cm ² CONFIRMING TO IS:13592-1992, WITH NECESSARY UPVC PIPE CLIPS @ 5' INTERVALS, SHOES, BENDS AND JOINTED WITH SOLVENT CEMENT INCLUDING CUTTING OF WALLS AND FLOORS AND MAKING THE SAME GOOD, COST AND CONVEYANCE OF ALL MATERIALS TO SITE, LABOUR CHARGES ETC., COMPLETE FOR FINISHED ITEM OF WORK.						
a	110 MM DIA	15.00	R.Mt.				
b	75 MM DIA	12.00	R.Mt.				
58	Supply and fixing of centrifugally pvcPVC soil wate and vent pipes approved make with all fittings such as plain or door(plug) single or double junctions,bends,hand hold inspection pipes,off sets and A>C cowls and other specials M.S.holder bat clamps(if required)insertion rubber washers 3mm thick(if required) suspenders and keeping the pipe barrel 50mm apart from wall face (if required)including jointing the pipes and specials with lead caulked joints with spun yarn soaked in bitumen including painting the exposed surface with 3 coats of anticorrosive black bitumistic paint cutting holes,chases in any massonary or R.C.C. wherever reaired and making good the surface in in cement motar so as to match with the surroundings,and testing the pipe line by smoke test and rectifying the leakage if any and curing complete in all respects as directed.						
	a. 100mm dia	20	RMT				
	b. 75mm dia	15	RMT				
59	Supplying and fixing 110mm dia unplasticized PVC rain water down take pipes with all unplasticized PVC moulded fittings/ accessories like bends, offsets, shoes etc., whatever required, including making khurras with CI grating, jointing the pipes with cement including cost of surface, complete (pipes of working pressure 4 Kg/ cm ²), pipes and fittings conforming to IS 4985 including jointing with seal ring conforming to IS 5382, leaving 10mm gap for thermal expansion).	15.00	RMt				

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S.No.	DESCRIPTION	QTY	UNIT	RATE IN FIGURES (Rs.)	RATE IN WORDS	AMOUNT IN FIGURES (Rs.)	AMOUNT IN WORDS (Rs.)
	RAIN WATER SYSTEM						
60	Supply, fixing 150mm dia of PVC 2/3mm SWR 4 Kg F/Sq.cm on wall surface pipe with necessary special like shoe and bends including providing holder clamps etc. complete as required by the engineer-in-charge.	22	RMT				
61	Sump tank: (Internal area 4'-6"x8'x5'-6"deep= 5500 Cufts.) Providing & laying 9" outer brick work using locally available best bricks of approved quality with compressive strength not less than 35 Kg/ cm ² in cement mortar 1:6 (1Cement: 6 Coarse sand) inside with 4" thk brick wall partition, above PCC of 6" thk., and 4" RCC slab with led with 8mm dia 6" both direction eith cranking (plastering complitely inside & out side)including raking joints, scaffolding, curing etc., provition for over flow. complete below ground level. location etc as per directed by RO / Architect, etc.	5500	Lts				
B	SUB TOTAL OF SANITARY AND WATER SUPPLY WORKS						

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S.No.	DESCRIPTION	QTY	UNIT	RATE IN FIGURES (Rs.)	RATE IN WORDS	AMOUNT IN FIGURES (Rs.)	AMOUNT IN WORDS (Rs.)
C	<u>ELECTRICAL WORKS</u>						
62	<u>Lights Points(Including Circuit Wiring 2x2.5+1.5 Sqmm)</u>						
	Point Wiring for Light/ Fan/ Exhaust fan with 2runs of 650V grade 1.5 Sq.mm FRLS PVC & 1 run of 1.5 Sq.mm PVC insulated Copper wires , run in 25 mm dia heavy gauge ISI FRLS 2mm PVC conduits concealed in wall / ceiling conforming to IS including all accessories such as junction boxes, conduit bends elbows and ceiling rose, anodised GI Switch box with modular switch and the box covered with front plate.(Point Wiring Include Circuit Wiring From Main Db to SWitch Board with 2x2.5 +1.5 Sqmm Copper fluxible wire etc), with including all wall chipping, floor cutting, and finishing complete, etc.						
a	One Light point controlled by one 6A switch.	30	Nos				
b	Two Lights point controlled by one 6A switch.	10	Nos				
c	Exhaust fan point controlled by one switch.	4	Nos				
d	Ceiling fan point controlled by one switch & Electronic Step type Regulator and Concealed MS fan hook box.	12	Nos				
e	Supply and fixing of 6A, 3Pin Socket outlet switches of 6A rating boards for Wall Mounting Fans and (Dependant points in switch boards)						
i	Independent points	12	Nos				
ii	Dependent points	16	Nos				
f	Inverter points	15	Nos				
63	Supply and Wiring with the following size 650V grade FR PVC insulated Copper conductor wires in suitable ISI FRLS 2mm PVC including end terminations with suitable lugs.						

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S.No.	DESCRIPTION	QTY	UNIT	RATE IN FIGURES (Rs.)	RATE IN WORDS	AMOUNT IN FIGURES (Rs.)	AMOUNT IN WORDS (Rs.)
	a)Supply and wiring from UPS Room DB, with required all Connections and Suitable MS Conduites. 2runs of 2.5Sq.mm PVC wires with 1run of 1.5 Sq.mm ISI FRLS 2mm PVC e for UPS out going Wirings	15	Rmt				
	b)Supply and wiring from UPS input and output , with required all Connections and Suitable MS Conduites. 2runs of 4Sq.mm PVC wires with 1run of 2.5 Sq.mm ISI FRLS 2mm PVC e for UPS out going Wirings	15	Rmt				
	c) 2runs of 4.0 Sq.mm PVC wires with 1run of 1.5 Sq.mm PVC wire for Name board.	3	LS				
64	Light / Fan Fixtures						
	Supply and Installation of following type LED light fixtures on wall/ Ceiling including all fixing accessories such as leads,Teak wood round block etc complete as required. The LED fixtures shall be complete with electronic ballast , Bipin Rotor type lamp holder, starter, all prewired upto the terminal block. The Catalogue Numbers refers approved make .						
	a)LED 20/18W LED TUBE Light fixture Wall/ Ceiling mounted (wipro /Philips /Havells)						
	Supply and Erection	20	Nos				
65	Ceiling Fans						
	Supply &Fixing of 1200 mm sweep Crompton Make High Speed Revara Ceiling fan with standard down rod,Fan Hook , all accessories Electrical connections. Including fixing materials required.						
	Supply and Erection	6	Nos				
66	Wall Mounted Fans						
	Supply & Fixing of 400 mm sweep Wall mounted fan with 3 pin Plug on the lead wire of each fan all accessories Electrical connections. Including fixing materials required.						
	Supply and Erection	1	Nos				
67	Exhaust Fans						
	Supply and Installation of heavy duty Exhaust fans with Metallic blades following size sweep with gravity louvres shutters Exhaust fans with Metallic blades of following						
	a) 300mm Sweep(Crompton make Tracent Model)						

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S.No.	DESCRIPTION	QTY	UNIT	RATE IN FIGURES (Rs.)	RATE IN WORDS	AMOUNT IN FIGURES (Rs.)	AMOUNT IN WORDS (Rs.)
	Supply and Erection	3	Nos				
68	MAIN DBS / SUB DBS						
	Supply Installation Testing and commissioning of TPN MCB Double door Distribution boards dust and vermin protected and rated for 415V, Three Phase AC supply operation including incoming MCB/ELCB as per specifications and required capacity Neutral bar and Earth terminal complete as required and installed in flush with wall including all fixing materials required. MCBs shall conform : 8828 and ELCB /RCCB shall confirm to IS : 12640 (Panel manufacturer should be CPRI approved)						
a	Supply, installation, testing and commissioning of (Double door) with 8Way VTPN MCCB DPX DB with 125A 4Pole MCCB as incomer(25KA) and 63/40A TPMCBs - 2 Nos, 32A TPMCB-2no and 12 nos10/32A SPMCBs s outgoing. (for Main DB)	1	Nos				
b	Supply, installation, testing and commissioning of 8way TPN MCB DB (Double door) with 63A 4P MCB as incomer and, 12nos. 6A/32A SPMCBs as outgoing (LDB/PDB)	1	Nos.				
c	Supply, installation, testing and commissioning of 12way SPN MCB DB (Double door) with 32A DP MCB as incomer and 10nos. 6A/10A/16A SPMCBs as outgoing.(UPS outgoing DB)	1	Nos.				
d	Supply and fixing of 63 A, DP MCB-1No. with encloser UPS input -1 no.	2	Nos				
e	Supply and fixing of 3PHASE 8 way TPN (with Double door)- i)Incomer: 63A TPN MCB, ii)Outgoing: 10/16A SP MCB 10 Nos for AC DB.	1	Nos				
69	16A Wiring and Sockets points: Supply and fixing of 2 Nos 16A sockets with 2 Nos 16A switch of modular type with 'front plate and anodised GI box complete 'as required'.for UPS Sockets	4	Nos				
70	Supply installation testing and commissioning of AC Units With 2x4Sqmm+2.5Sqmm Copper Flexible Wire With Conduit From Main DB to AC Units including Legrand Make 20A Metal Clad Socket with 25/32A SP MCB set(Like Metal Clad Socket+Wiring From Db to AC Box to Stabilizer to AC Units)	8	No				
71	Supply and erecting of approved make telephone RJ 11Jack for telephone with 2 pair .5mm Thick Telephone cable including pvc ISI FRLS 2mm PVC conduits with required all materials (RJ-11 Jack+ 2 pair Cable)	8	Nos				

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S.No.	DESCRIPTION	QTY	UNIT	RATE IN FIGURES (Rs.)	RATE IN WORDS	AMOUNT IN FIGURES (Rs.)	AMOUNT IN WORDS (Rs.)
	Untel Mothered Cable Having						
72	5 pair Telephone cable	62	Rmt				
73	Supply and fixing of 20 Pair Crone Box with 10 Pair connectors and required all connections.	1	Nos.				
74	MV Cables						
	Supply, laying and commissioning of following size 1.1KVgrade PVC insulated armoured aluminium/Copper conductor underground cable, in built up cable trench/ 2" MS pipe or on cable tray with all installation materials. When the cable is to be laid in ground, the same shall be laid at a depth of 750mm below ground level including excavation and refilling of earth after cables are laid, providing protection with sand and bricks at sides and top and cable route markers at every 15mtr. interval and also at the turnings. The cable shall conform to IS 1554/ Part I. Cable protected in 2" Dia G.I Pipe 10' long at the pole (correct measurement should be taken by the contractor before procuring the cable.						
a	3.5 CX 50 Sq.mm Al Cable	80	Rmt				
75	Providing Indoor ordinary end terminations for the cable specified above with compression type steel Double Compressed gland, Copper lugs using crimping tool, Insulation tape, Identification tags etc., including end termination and Earthing of Gland with 8SWG GI Wire						
	a) 3.5C X 35 Sq.mm	4	No				
76	Earthing						
	a) Providing G.I. Earth station, with 40mm dia 2500mm long GI pipe including construction of brick pedestal, providing meshed funnel, CI cover and other civil Engineering works, spreading a homogenous mixture of salt, charcoal around the pipe etc, completely as per IS 3043, 1987 or latest revision.	1	No				
	b) Providing Copper Earth station, with 600X600X3.15mm Copper plate at 2500mm depth including construction of brick pedestal, providing meshed funnel, CI cover and other civil Engineering works, spreading a homogenous mixture of salt, charcoal around the pipe etc, completely as per IS 3043, 1987 or latest revision.	1	No				
	c) Supply and laying of following size strips including including all necessary inter connections with earth station and equipments.						

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S.No.	DESCRIPTION	QTY	UNIT	RATE IN FIGURES (Rs.)	RATE IN WORDS	AMOUNT IN FIGURES (Rs.)	AMOUNT IN WORDS (Rs.)
	i) 8 SWG Copper wire in ISI FRLS 2mm PVC conduits	60	Rmt				
C	SUB TOTAL OF ELECTRICAL WORKS						
	<u>SUMMARY</u>						
A	CIVIL WORKS						
B	SANITARY AND WATER SUPPLY WORKS						
C	ELECTRICAL WORKS						
	TOTAL OF ALL SUB HEADS BEFORE GST						
	ADD GST 18 %						
	GRAND TOTAL INCLUDING GST						

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