

PROPOSED CONSTRUCTION OF BRANCH BUILDING AT SULUGODU VILLAGE, YEDUR, SHIVAMOGGA-577 448
CANARA BANK MANIPAL CIRCLE
DESIGN POINT ARCHITECTS & ENGINEERS

FINANCIAL BID (SCHEDULE OF QUANTITIES)

Visit to the Construction site by the prospective bidders is highly recommended before quoting the rates for various items of works here below. Bidders are requested to quote their most competitive items rates in this financial bid. Please refer to the tender drawings showing the site plan & various floor plans, sections, elevations and some items drawings. Please refer to these drawings before quoting your rates. The rates quoted shall be excluding GST. In the last page, in summary sheet, GST to be added. CANARA BANK reserves its right to either execute or take out from the scope of works, any or all the items fully or partially, depending on the administrative exigencies. Hence Bidders attention is drawn to quote your most workable rate for each & every item. The rates and amounts for each item shall be written in both figures and words in the respective columns.

Sl. No.	DESCRIPTION OF ITEM OF WORK	UNIT	QTY	RATE IN FIGURES (INR)	AMOUNT IN FIGURES (INR)
A	ARCHITECTURAL, CIVIL & STRUCTURAL				
1	Jungle clearance including uprooting of rank vegetation, grass, debris, trees and saplings of girth upto 30 cm (measured at a height of 1m above natural ground level) and their disposal up to a lead of 5 KM inside refinery. The quoted rate shall include tools and tackles, plant and machinery, labour charges etc. and as directed by consultant/EIC.	SQM	195.00		
2	Cutting of trees for the girth beyond 30 cm, upto and including 60 cm (measured at a height of 1 m above natural ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. The quoted rate to include tools and tackles, plant and machinery, labour charges etc, and as per the direction of consultant/EIC. Tree log shall be handed over to Canara bank, and unserviceable material to be disposed with a lead of 5 km.	EACH	2.00		
3	Cutting of trees for the girth beyond 60 cm, upto and including 120 cm (measured at a height of 1 m above natural ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. The quoted rate to include tools and tackles, plant and machinery, labour charges etc, and as per the direction of consultant/EIC. Tree log shall be handed over to Canara bank, and unserviceable material to be disposed with a lead of 5 km.	EACH	2.00		
4	Demolishing brick work, RCC, PCC, MANGLORE TILES, all the wooden roofing Material by manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	SQM	185.00		
5	EARTH WORK EXCAVATION				
	Earth work excavation for foundation, drain, sewage line etc at all depth FGL to 1.5 Mtr. in any type of soil, laterite soil, hard soil including taking spot level at edges and center line as per drawing, dressing the sides and bottom, slush removal, sorting out excavated earth into serviceable, unserviceable material, stacking the serviceable earth separately for back filling or any other purpose, pumping and bailing out surface and sub soil water, rain water if encountered by using any suitable dewatering method, shoring, strutting, disposal of surplus excavated earth within a lead of 5 km as instructed by engineer in-charge.	CUM	240.00		

6	EARTH WORK EXCAVATION				
	Earth work excavation for foundation, drain, sewage line etc for hard rock(requiring blasting) at any depth in including taking spot level at edges and center line as per drawing, dressing the sides and bottom, slush removal, sorting out excavated earth into serviceable, unserviceable material, stacking the serviceable earth saparetely for back filling or any other purpose, pumping and bailing out surface and sub soil water, rain water if encountered by using any suitable dewatering method , shoring, strutting, disposal of surplus excavated earth within a lead of 5 km as instructed by EIC	CUM	30.00		
7	ANTI TERMITE TREATMENT				
	Providing & injecting chemical emulsion for pre constructional anti termite treatment, creating continuous chemical barrier under and around the column pits walls trenches basement excavation top surface of the plinth filling, junction of wall and flow along the external perimeter of building, expansion joints over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chlropyrihos emlsi fyable concentrates of 20% concentration, including cost of chemical diluting in water to one percent concentration, etc. all complete and as specified and directed by EIC	SQM	120.00		
8	BACK FILLING				
	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations at any depth, inside building etc. compaction with rammer/ machanical compactor, in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, at any lead and lift etc. as per specification and instruction of the engineer in charge	CUM	142.11		
9	BACK FILLING				
	Filling borrowed excavated earth (excluding rock) in trenches, plinth, sides of foundations at any depth, inside building etc. compaction with rammer/ machanical compactor, in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, at any lead and lift etc. as per specification and instruction of the engineer in charge	CUM	100.00		
10	SOLING				
	Providing hard core with hard granite stone boulders in aprons and flooring, bellow foundation, trenches etc. including laying, packing, filling interstices with good quality spalls, dry and wet consolidation with mechanical means, binding with good quality murrum/sand (coat inclusive) with all bye works complete for hard core and required thickness as per specification and instruction of the consultant / EIC (consolidated thickness will be paid).	CUM	27.00		

11	P.C.C 1:3:6				
	Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220 kgs, with 40mm and down size graded granite metal course aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.(OPC/PPC-43/53 grade,Ultratech, ACC, Birla super, Ambuja make cement only)	CUM	30.00		
	M-25 GRADE DESIGN MIX CONCRETE FOR SUB-STRUCTURE				
12	Supplying and laying of Reinforced cement concrete of M-25 grade (with minimum cement content of 330 kg /cum & design mix RMC only), using 20 mm downgraded coarse aggregate IN SUB-STRUCTURE (excluding cost of Shuttering and Reinforcement) at all depths and heights in all types of Foundations, Footings, columns, pedestal, wall, lintels, ducts, beams, brackets, slab of all shapes,including admixture/ super plastisizer (will not be paid extra) as required. sills, bends and any other works both in underground and superstructures all complete as per drawings and specifications and instruction of consultant / EIC. For design mix, Moderate exposure shall be considered.	CUM	25.00		
	M-25 GRADE DESIGN MIX CONCRETE FOR SUPER-STRUCTURE				
13	Supplying and laying of Reinforced cement concrete of M-25 grade (design mix RMC only), using 20 mm downgraded coarse aggregate IN SUPER-STRUCTURE (excluding cost of Shuttering and Reinforcement) at all depths and heights in all types of Foundations, Footings, columns, pedestal, wall, lintels, ducts, beams, brackets, slab of all shapes, including admixture/ super plastisizer (will not be paid extra) as required. sills, bends and any other works both in underground and superstructures all complete as per drawings and specifications and instruction of consultant / EIC. For design mix, Moderate exposure shall be considered.	CUM	20.00		
14	RCC M25 GRADE FOR ROOF SLAB				
	Providing, mixing & placing RCC M25 mix for roof slab with PPC/OPC 43 and 53 grade, minimum cement content 400Kg/m3 by using 20mm & down size graded crushed aggregate & water proofing admixture including, compaction by vibrators,curing, hacking the surface to receive plaster (excluding cost of shuttering, reinforcement) using cement of the following brand Ultratech, ACC , birla super and ambuja brand only.Including the cost of cement, admixture etc. all complete as per the specification/as directed by EIC. Job to be carried as per IS 456:2002.	CUM	38.00		

15	STRONG ROOM(M-30 GRADE DESIGN MIX CONCRETE FOR STRONG ROOM)				
	Supplying and laying of Reinforced cement concrete of M-30 grade (design mix RMC only), using 20 mm downgraded coarse aggregate IN SUPER-STRUCTURE (excluding cost of Shuttering and Reinforcement) at all depths and heights in strong room, including admixture/ super plastisizer (will not be paid extra) as required. all complete as per drawings and specifications and instruction of consultant / EIC. For design mix, Moderate exposure shall be considered.(wall flooring&room min thickness will be 300mm)	CUM	22.00		
16	SHUTTERING				
	Providing, fixing and stripping of shuttering below plinth of approved quality plywood or steel plate on steel frames for all types of structures, anchor pockets etc at all depths and heights not covered in respective items including centering/scaffolding, deshuttering, all complete as per drawings, specifications and directions of the consultant / EIC.	SQM	120.00		
17	SHUTTERING				
	Providing, fixing and stripping of shuttering above plinth of approved quality plywood or steel plate on steel frames for all types of structures, anchor pockets etc at all height and depths not covered in respective items including centering/scaffolding, de-shuttering all complete as per drawings, specifications and directions of the consultant / EIC.	SQM	480.00		
18	REINFORCEMENT STEEL				
	Supplying, fabricating and fixing in position reinforcements steel of grade Fe-500 conforming to IS-1786-1985 at all levels and positions and including the cost of transport, straightening, cutting, bending, cranking, binding, welding, provision of necessary chairs and spacers, cost of binding wire, labor etc., preparation of bar bending schedule as per drawings, getting the same approved from consultant etc., all complete for reinforced concrete work. Required chairs, spacers & overlaps shall not be measured and paid.	KG	6000.00		
19	LATERITE MASONRY				
	Providing and constructing Laterite masonry in neatly dressed stones of size as specified in cement mortar 1: 4 (1 cement : 4 coarse sand) in foundation and basement.	CUM	6.90		
20	BLOCK MASONRY				
	Providing and constructing in position Pre-cast cement concrete solid block masonry of compressive strength 70 kg/cu.m in cement mortar 1:4 (1 cement : 4 coarse sand) in superstructure from floor I level upto floor V level for all sizes. (note: Manufactured by hydraulic compressive machine and water absorption not exceeding 8% by weight)	CUM	70.00		

21	EXTERNAL PLASTER 20 MM THICK				
	Providing 20 mm thick external sponge finish cement plaster 1:4 (1cement: 4 sand) as per architectural shapes marked in the drawings, at all depths and heights in two layer of 12mm & 8mm. 2nd layer 8 mm shall be finished with sand faced plastering mixing with water proofing compound on faces of walls, pillars, projection, bends, cornices, fins, sills, etc., including racking out joints if any left out , necessary dabbing, curing ,scaffolding, providing chicken mesh at junction RCC and masonry work, complete at all heights as per Specification, drawings etc. (Cost of water proofing compound and of GI mesh will not be saperately measured and paid)	SQM	515.00		
22	INTERNAL PLASTER 12 MM THICK				
	Providing 12 mm thick cement plaster 1:4 (1cement: 4 sand) smooth finish as per architectural shapes marked in the drawings, at all depths and heights in one layer on internal faces of walls, pillars, projection, bends, cornices etc. Including necessary dabbing, curing, scaffolding, providing chicken wire mesh at junction of RCC and masonry work, complete at all heights as per Specification, drawings an directed by EIC.	SQM	440.00		
23	CEILING PLASTERING				
	providing and applying average 12MM thick cement plaster CM 1:4 in two layers including preparing the surface, scaffolding, providing bands, grooves in plaster, curing etc complete as per specification, drawings & directed by EIC.	SQM	225.00		
24	EXTERNAL PAINTING				
	Supplying and applying undercoat followed by 1 coat of exterior wall primer after rectifying surface imperfections such as holes, dents and cracks by filling with a mixture of white cement & fine sand in the ratio of 1:3 followed by 2 coats of ASIAN, BERGER, DULEX AND NEROLAC APEX WEATHER PROOF EXTERIOR EMULSION paint including double scaffolding & surface preparation, thoroughly wetting surface & complete with curing for all heights & levels. With approved colour as directed by engineer in charge.	SQM	210.00		
25	INTERNAL PAINTING				
	Providing and applying white cement based putty of average thickness 1mm, of approved brand and as per manufacturer specification over the plastered wall surface to make the surface even and smooth including preparing the surface, curing, complete as per specification, directed by engineer in charge. (Approved brand Birla white, Asian paint, Berger)	SQM	665.00		

26	MS GRILL FOR WINDOWS				
	Supplying, fabrication and fixing MS guard bars/grill made out of MS flats, rods, square bars, etc., to steel ventilators including two coats of synthetic enamel paint over primer coat, all complete as per drawing/approved designs, specifications and directions of the Consultant/ EIC	KG	300.00		
27	UPVC WINDOWS				
	Fabricating, supplying, assembling and installing in position glazed UPVC (unplasticised) windows and ventilators of hollow,multi-chambered and steel reinforced with an outer wall thickness of 2.4~2.8mm, consisting of outer frames, shutter frames, Mullions, transoms, etc assembled and fitted properly, glazed panels 100% sliding with 8mm thick Toughned glass of Saint Gobain / Asahi Float including anchoring frames as approved, fixing and other accessories, providing and fixing sub frame in UPVC where called for, all sliding gear, lock and other hardware as required and as approved and all incidental work complete as per drawings and as per manufacturers specifications. The make should be of approved make and from approved vendor, the sample has to be got approved from the Architect /Engineer in charge at site before placing the order. Approved Brand-Fenesta / NCL / Deceqnick	SQM	25.00		
28	UPVC VENTILATOR				
	Providing and fixing UPV ventilators with glass louvers etc. Fabricating, supplying, assembling and installing in position glazed UPVC (unplasticised) windows and ventilators of hollow,multi-chambered and steel reinforced with an outer wall thickness of 2.4~2.8mm, consisting of outer frames, shutter frames, Mullions, transoms, etc assembled and fitted properly, glazed panels 100% sliding with 8mm thick Toughned glass of Saint Gobain / Asahi Float including anchoring frames as approved, fixing and other accessories, providing and fixing sub frame in UPVC where called for, all sliding gear, lock and other hardware as required and as approved and all incidental work complete as per drawings and as per manufacturers specifications. The make should be of approved make and from approved vendor, anyway the sample has to be got approved from the Architect /Engineer in charge at site before placing the order. Approved Brand-Fenesta / Evolution /Deceqnick/NCL.	SQM	0.75		
29	VITRIFIED FLOORING/SKIRTING				
	Providing and laying good quality vitrified tile of required size in flooring and skirting with water absorption less than 0.08% and flexural strength not less than 47.3 N/mm2 (shade & colour to be approved by engineer incharge)and to be laid with the help of adhesive balendra or ardex endura including providing spacer at required interval and removing stains, joint filling etc. Joints to be filled with the matching colour pigment.(approved brands - Johnson/Nitco/ Kajaria/Naveen/Somany make). (basic cost of tile is minimum Rs. 850/ sq- mtr.)	SQM	190.00		

30	CERAMIC TILE WORK				
	Providing and laying high quality ceramic tiles of APPROVED dimension in wall/ floor etc (Anti-skid type for floor) sample for shade and colour to be approved by EIC/PMC, layed over 20mm thick CM 1: 3 and joints shall be admixed with pigment of matching shade as per drawing & specification for flooring, dado work,skirting,etc (basic cost of tile is 550/ sqr-mtr.) Johnson/Nitco/ Kajaria/Naveen/Somany make	SQM	43.00		
31	GRANITE FLOORING				
	Providing and laying minimum 18mm thick approved premium quality and shade mirror polished granite stone (sample of the granite to be approved by engineer in charged) for flooring, kitchen counters/platform, treads, risers, skirting, dado etc.over and including edge moulding, machine polishing to edge to give high gloss finish laying over a bed of cement mortar 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), preparing the base surface, applying neat cement slurry@ 2.75 kg. of cement per sq. mtr. of area to receive the mortar bed, jointing each slab with neat cement paste/grout with white cement mixed with pigment (conforming to IS:2114, Table-1) to match the colour of the granite stone slabs, finishing etc. all complete.	SQM	22.00		
32	SPETIC TANK AND SOAK PIT AS PER DESIG AND DRAWING				
33	BORE WELL	NOS	1.00		
	Boring with 150 mm diameter casing pipe for hand pump / tubewell, in all soils except ordinary hard rocks requiring blasting, including removing the casing pipe after the hand pump / tube well is lowered and tested with sutable HP 3 phase/1 phase pompe and requird cable from eletrical room to starter panel located near borwel	RMT	150.00		
34	WATER PROOFING				
	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sqm. by the same membrane manufactured of density at 25°C, 0.87 - 0.89 kg/ltr and viscocity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane	SQM	260.00		

35	ROLLING SHUTTER				
	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover	SQM	11.00		
36	FLUSH DOOR FINISHED WITH VENEER WITH DOOR FRAMES				
	Providing , fabricating and placing single leaf door made with 35MM thick flush shutter(4MM Veneer +35MM Thick flush shutter +4MM Veneer)finished in veneer on both sides including matching timber edge lipping as per the specifications. The shutter shall be fixed to the wooden door frame of size 50X100MM over hard wood sub frame. All the exposed veneer and wooden surfaces shall be stained to shade and finished in water based polyurethane coat to texture as directed /approved by the architect/engineer in charge. This also includes providing necessary wooden frames arrangements for housing the access control system, includes necessary Stainless steel brush finished hardware of approved make (dorma/Godrej/Everite) like handles, floor springs, screws, Mortise lock, cable transfer hinge, door stoppers, drop down seal at the bottom level of shutter and door closer of approved make as per the Manufacturers specifications / and detailed drawings/ as recommended by the Engineer in charge.	SQM	9.45		
37	DOOR (WPC) FOR TOILETS				
	Providing and fixing factory made solid wood Polymer Composite (WPC) single extruded Door Frame section of size with encapsulation of 8MM rigid layer on all the six surfaces. The door frame will have a rebat of 32MM. Door Frame section of 63.5x100 MM .The two Vertical members are to be joined together with the horizontal member using 8x75 MM long MS Star full thread screws to be used with reverse forward speed control hand drilling machine. The ready/assembled door frame is fixed to the wall using hold fast or bolt fasteners. A minimum of 4 No.sof screws to be provided for each vertical member & minimum 2no.s for horizontal member. 28 -30 MM thick solid Wood Polymer Composite(WPC) single extruded door shutter with 3MM top and bottom rigid layer with an overall density of 750kg/Cum. It will be fixed to the frame using 3 inch /4 inch hinges. A minimum of 4 hinges will be required for fixing the door with the frame. as per direction of Engineer-in-charge includes necessary Stainless steel brush finished hardware of approved make (dorma/Godrej/Everite) like handles, screws, tower bolt, & other necessary hardwares etc as per the Manufacturers specifications / and detailed drawings/ as recommended by the Engineer in charge.	SQM	7.56		

38	M.S SHUTTER				
	Providing and fixing pressed steel sheet door shutter consisting of 18 SWG pressed steel sheet bent to form hollow box of 40mm overall thickness, mitred, welded at meeting with 6mm thick M.S. flat all along the perimeter, forming square edges at corners and braced with channel shaped, 35mm wide 16 SWG M.S. sheet horizontal stiffener @ 500mm max. Including providing heavy duty 150mm long M.S. butt hinges conforming to IS : 1341 @ 600mm max. spring loaded pressure die cast zinc alloy door stopper, for each shutter, providing approved shade electrostatic powder coating (25 micron) /2 coats of Synthetic enamel painting (approved shade ICI or approved equivalent) over approved quality red oxide zinc chromate primer coating for all the metallic surfaces etc. all complete as per direction of EIC. Single shutter with 6 levers, heavy duty mortise lock conforming to IS: 2209, including vision panel in shutter with 18 gauge M.S. beading bent to Z-shape as per dwg. And 4mm thick plain glass conforming to IS : 2835 . With pressure die cast zinc alloy handles on both sides and two nos. of 10mm dia. 250mm long M.S. tower bolts. Painted with Synthetic enamel paint.	SQM	1.00		
39	COLLASIBLE GATE				
	MS Collapsible Gate Single shutter made out of vertical double channels 20mm x 8mm x 3mm at maximum 125 mm apart when fully stretched as specified, braced with flat iron diagonals 20 mm x 6 mm as specified in the item. The top and bottom rails shall be of M.S. section 50mm x 50mm x 6 mm and 65mm x 10mm M.S flat with 50 mm dia rollers in every fourth double channels. Collapsible Gate and others accessories to be painted with 2 coat of Red oxide primer and 2 coat of Black Enamel paint.	SQM	5.50		
TOTAL FOR PART A ARCHITECHTURAL, CIVIL & STRUCTURAL					

PART B-PLUMBING WORK					
40	PVC Pipe :Providing & fixing/laying PVC pipes confirming to I.S 4085-1960 & 1734-1975 of approved make (Prince/Finolex/Suprime) including all necessary specials like coller,bend ,Elbows, Tees,offsets, junctions, cowls, Nipples, Plugs laid under floor/under ceiling/on walls with suitable clamps with all lead and lift, all complete as directed by EIC.(Approved brand Prince,Finolex,Supreme)				
	110 mm diameter (outlet for toilet)	RMT	20.00		
	75 mm diameter(out let for floor/urinals/besin)	RMT	25.00		
41	Plumbing pipes : Providing & laying conceald/open SDR 11 rated CPVC pipe s including necessary testing , confirming to I.S specification with fittings such as Coller,Bend ,Elbows, Tees, Nipples, Plugs with cuts & threads for joint,with clamping wherever necessary, including cutting, threading, bending and similarworks, supply of clamps, small iron structures, spacersand installation of seats, plugs, bushings etc., small civil works, including all labour and materials, all lead & lift etc. complete as per specification, and as directed by engineer in charge.				
	A)15.00 mm dia	RMT	20.00		
	b) 22.20 mm dia	RMT	30.00		
	c) 28.60 mm dia	RMT	20.00		
	d) 34.90 mm dia	RMT	20.00		
	e) 41.30 mm dia	RMT	40.00		
	f) 54.00 mm dia	RMT	40.00		
42	CPVC Ball valve: Providing & fixing CPVC Ball valve confirming to IS specifications including all lead & lift etc, complete as per drawings & as directed by the engineer in charge.				
	a) 65 mm diameter	No.	2.00		
	a) 40 mm diameter	No.	2.00		
	b) 50 mm diameter	No.	2.00		
43	WATER CLOSET				

	Providing & fixing china clay vitrious English closet of approved colour confirming to IS specification with "P" or"S" trap, with low level flush tank (sleek populer PVC cistern) of minimum 10 lit/couple closet with appropriate waste pipe & connection pipe, double flapped seat cover ,in position .with all leads & lift etc. complete as per specification, darwings and as directed by EIC. (Rate include cost of all material i.e english closet, PVC cover sheet, flush valve, trap connection,waste pipe etc. & all lead. complete as per specification, and as directed by engineer in charge.	No.	2.00		
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44	WASH BASIN				
	Supplying & fixing in position vitreous wash basin half pedestal with 15 mm flexible water inlet pipe, 32mm dia pvc flexible waste pipe, waste coupling, 12mm cp brass pillar cock, 12mm cp brass angle stop cock with all necessary fittings & fixing the basin with bracket & bolt making all connection , labour charges with all lead & lift charges etc. complete as per specification, and as directed by EIC	No.	2.00		
45	CP BRASS BIB COCK(for toilets) :				
	Providing & fixing CP brass metal Bib cock with wall flange long body, conforming to IS specifications , including all lead & lift etc, complete as per drawings & as directed by the engineer in charge. Bib 15 mm CP bib cock	No.	2.00		
46	HEALTH FAUCET				
	Supply and fixing of Hand Shower (Health Faucet) with 8mm Dia 1.0 Meter Long Flexible Tube and Wall Hook with NRV (back flow preventer) spray nozzle with angle valve etc., all complete of approved make.	No.	2.00		
47	OVER HEAD TANK				
	Supplying & fixing 2000 Litres Sintex White Triple Layer Water Tank-), including all fixtures conforming to IS., with all leads & lifts, complete as per specification, drawings & as directed by EIC	LTR	2,000.00		
48	NIHANI TRAP				
	Providing & fixing nahani trap inclusive of CP jali with hole , conforming to IS specifications with all lead & lift as per specification, drawing & as directed by the Engineer in charge Stainless steel for toilet.	No.	2.00		
49	GULLY TRAP				
	Providing stone ware gully trap of approved quality including cover, jali etc & fixing in C.M 1:3 wherever necessary, as per specification, drawing & as directed by the engineer in charge. (Rate include cost of all material, fixtures & lead.) Size 15x 10 cms.	No.	2.00		
50	MIRROR				
	Providing and fixing round edge mirror of 6mm thick float glass with 6mm thick water proof marine ply backing and rounded/ beveled edging , fixing on wall with wooden cleats and CP brass screws including cutting walls/ tiles , making good the same , finishing etc . all complete.	SQM	2.00		

51	KITCHEN SINK				
	providing and fixing stainless steel kitchen/laboratory sink of approx, size 610mmX450mmX200mm made of min, 1mm thick stainless sheet of salem steel or equivalent supported on and including M.S brackets confirming IS: 775 one 15mm dia C.P brass long body bib cock (if fixed to wall) or swivel type pillar cock (if fixed to counter), waste coupling, waste flexible conduit, 15mm dia PVC/G.I connections to floor trap with unios etc . painting all exposed metallic surfaces with min. 2 coats of synthetic enamel paint of approved make and shade over acoat of red oxide zinc chromate primer ; cutting floor , walls, counter etc. and making good the same , making all connections , finishing etc. all complete.	NO	1.00		
	TOATL FOR PART B PLUMBING WORK				

PART C -COMPOUND WALL WORKS

MASONARY COMPOUND WALL @ 80.00 M LENGTH & ATM WORKS

52	EARTH WORK EXCAVATION				
	Earth work excavation for foundation, drain, sewage line etc at all depth FGL to 1.5 Mtr. in any type of soil, laterite soil, hard soil including taking spot level at edges and center line as per drawing, dressing the sides and bottom, slush removal, sorting out excavated earth into serviceable, unserviceable material, stacking the serviceable earth saparetely for back filling or any other purpose, pumping and bailing out surface and sub soil water, rain water if encountered by using any suitable dewatering method , shoring, strutting, disposal of surplus excavated earth within a lead of 5 km as instructed by engineer in-charge .	CUM	41.00		
53	P.C.C				
	Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220 kgs, with 40mm and down size graded granite metal course aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications	CUM	6.00		
54	M-25 GRADE DESIGN MIX CONCRETE FOR SUB-STRUCTURE				
	Supplying and laying of Reinforced cement concrete of M-25 grade using 20 mm downgraded coarse aggregate IN SUB-STRUCTURE with Shuttering (excluding cost of Reinforcement) at all depths and heights in all types of Foundations, Footings, columns, pedestal, wall, lintels, ducts, beams, brackets, slab of all shapes, including admixture/ super plastisizer (will not be paid extra) as required. sills, bends and any other works both in underground and superstructures all complete as per drawings and specifications and instruction of consultant / EIC. For design mix, Moderate exposure shall be considered.	CUM	12.00		

55	M-25 GRADE DESIGN MIX CONCRETE FOR SUPER-STRUCTURE				
	Supplying and laying of Reinforced cement concrete of M-25 grade (design mix RMC only), using 20 mm downgraded coarse aggregate IN SUPER-STRUCTURE with Shuttering (excluding cost of Reinforcement) at all depths and heights in all types of Foundations, Footings, columns, pedestal, wall, lintels, ducts, beams, brackets, slab of all shapes, including admixture/ super plastisizer (will not be paid extra) as required. sills, bends and any other works both in underground and superstructures all complete as per drawings and specifications and instruction of consultant / EIC. For design mix, Moderate exposure shall be considered.	CUM	5.00		
56	COPING				
	Providing and laying cement concrete in compound walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc., up to floor five level, excluding the cost of centering, shuttering and finishing : (a) 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	CUM	5.40		
57	REINFORCEMENT STEEL				
	Supplying, fabricating and fixing in position reinforcements steel of grade Fe-500 conforming to IS-1786-1985 at all levels and positions and including the cost of transport, straightening, cutting, bending, cranking, binding, welding, provision of necessary chairs and spacers, cost of binding wire, labor etc., preparation of bar bending schedule as per drawings, getting the same approved from consultant etc., all complete for reinforced concrete work. Required chairs, spacers & overlaps shall not be measured and paid.	KG	600.00		
58	BLOCK MASONRY				
	Providing and constructing Solid Cement Concrete Block masonry in cement mortar 1:6 (cement : coarse river sand) using factory made, load bearing, approved quality cement concrete blocks of specified size, Grade C (4.0), as per IS 2185 (Part 1), density of blocks not less than 1800kg/cum, minimum average compressive strength of units is 4.0N/mm ² and minimum strength of individual unit is 3.2N/mm ² , setting in position, curing, raking out joints wherever required etc., complete all leads and all as per specifications and directions of EIC	CUM	50.00		

59	EXTERNAL PLASTER 20 MM THICK				
	Providing 20 mm thick external sponge finish cement plaster 1:4 (1cement: 4 sand) as per architectural shapes marked in the drawings, at all depths and heights in two layer of 12mm & 8mm. 2nd layer 8 mm shall be finished with sand faced plastering mixing with water proofing compound on faces of walls, pillars, projection, bends, cornices, fins, sills, etc., including racking out joints if any left out , necessary dabbing, curing ,scaffolding, providing chicken mesh at junction RCC and masonry work, complete at all heights as per Specification, drawings etc. (Cost of water proofing compound and of GI mesh will not be saperately measured and paid)	SQM	450.00		
60	INTERNAL WALL PLASTERING				
	providing and applying average 15MM thick cement plaster CM 1:4 in two layers including preparing the surface, scaffolding, providing bands, grooves in plaster, curing etc complete as per specification, drawings & directed by EIC.Joint of RCC and brick wall to be plastered with fixing Galvanised chicken mesh 12X12x24 gauge.	SQM	112.20		
61	White -Washing				
	White washing with lime to give an even shade. (two or more coats).	SQM	950.00		
62	EXTERNAL PAINTING				
	Supplying and applying undercoat followed by 1 coat of exterior wall primer after rectifying surface imperfections such as holes, dents and cracks by filling with a mixture of white cement & fine sand in the ratio of 1:3 followed by 2 coats of ASIAN, BERGER, DULEX AND NEROLAC APEX WEATHER PROOF EXTERIOR EMULSION paint including double scaffolding & surface preparation, thoroughly wetting surface & complete with curing for all heights & levels. With approved colour as directed by engineer in charge.	SQM	450.00		
63	INTERNAL PAINTING				
	Providing and applying white cement based putty of average thickness 1mm, of approved brand and as per manufacturer specification over the plastered wall surface to make the surface even and smooth including preparing the surface, curing, complete as per specification, directed by engineer in charge. (Approved brand Birla white, Asian paint, Berger)	SQM	119.00		

64	M.S. GATE				
	Supplying, fabricating and erecting structural steel, consisting of plates, rolled steel joist, channels, angles, chequered plates etc and also rectangular/square/circular hollow steel sections, insert plates in RCC/ laterite stone masonry/brick masonry, sleeve pipes, anchor nuts, washer etc, as per drawings supply of bolts, nuts, washers, shims, packs, putty. Gas welding electrodes and all other consumables, as required and carrying out surface preparation to SA 2½ by shot or grit or copper slag blasting, all complete. The scope includes loading, transportation, unloading and delivery at erection site of all fabricated structures, erection, alignment and welding of all structures true to line, level, plumb and dimension, including rectification if any, splicing, site assembly all as per technical specifications and drawings, surface preparation, all complete..	KG	400.00		
65	JUNGLE CLEARANCE				
	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared as per direction of Engineer-in -charge.	SQM	30.00		
66	DRILLING IN SOIL				
	Boring/drilling in soil/soft rock/hard rock for piles of specified diameter and length below the ground level using suitable machinery, with bentonite solution and temporary casing of appropriate length for setting out and removal of same etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto ground level). 300mm dia pile	RMT	126.00		

67	PRECAST COMPOUND WALL				
	Supply and installation of smooth finish and uniform shape & size precast compound wall column of concrete grade M30 with use of OPC 53 Grade of approved brand cement, including shuttering, reinforced with 3mm wiron (phosphorous carbon steel) of TATA OR equivalent approved brand make using prestressed technology, 1.8m high from finished ground level, vertical post size 150mmX150mmX2400mm, reinforced of 7 nos-3mm dia PC steel of TATA OR equivalent approved brand make with a provision of 12mm dia MS bolt (7" length) grouted at the time of casting with 2" outside for fixing of angle on top of each column for barbed wire fence as per drg. Precast compound wall columns shall be provided with groove for wall panel slab fixing and grouted. The precast compound wall panel slab of smooth finish and uniform shape & size, concrete grade M30 with use of OPC 53 Grade of approved brand cement, including shuttering, reinforced with 3mm wiron (phosphorous carbon steel) of TATA OR equivalent approved brand make using prestressed technology, wall panel slab size 1800mmX300mmX50mm thick, reinforced of 3 nos-3mm dia PC steel of TATA OR equivalent approved brand make, fixed in groove of vertical posts as per drg. Wall panel slab shall be fixed in groove of vertical column/posts. below ground level by Augur piling or excavation of 300mm dia, 900mm depth and grouted with PCC of M20 (1:1.5:3 proportion of cement concrete) M20 concrete and Augur piling/excavation will be paid separately.	SQM	475.00		
68	M-20 GRADE DESIGN MIX CONCRETE FOR SUB-STRUCTURE				
	Supplying and laying of cement concrete of M-20 grade using 20 mm downgraded coarse aggregate IN SUB-STRUCTURE with Shuttering (excluding cost of Reinforcement) at all depths and heights in all types of Foundations, Footings, columns, pedestal, wall, lintels, ducts, beams, brackets, slab of all shapes, including admixture/ super plastisizer (will not be paid extra) as required. sills, bends and any other works both in underground and superstructures all complete as per drawings and specifications and instruction of consultant / EIC. For design mix, Moderate exposure shall be considered.	CUM	14.00		

69	STRUCTURAL STEEL WORK				
	Structural steel work riveted, bolted (includes 1washer+1hexagonal nut+1 hexagonal lock nut for fence angle fixing) or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and also Galvanization coating of minimum 80 micron all complete as per direction of Engineer-in-charge. For angle 40x40x5 & For 8mm Plate to be provided for angle fixing	KG	350.00		
70	BARBEAD WIRE WORK				
	Providing and fixing barbed GI wires four nos 12x14 swg GI barbed wire (IS 278- 2009) heavy coated 230/240 gsm zinc on wire of TATA approved brand make shall be provided on top of precast compound wall and fixed over 450mm high MS 'L' angle (40mmx40mmx5mm).The barbed wire has to be fitted in direction longitudinally between two posts fitted & fixed with GI staples, turn buckles, with all hardware etc, complete as per direction of Engineerin -charge	RMT	1,000.00		
PART C -COMPOUND WALL WORKS					
TOTAL AMOUNT PARTA+PARTB+PARTC (in RS)					
GST 18%					
GRAND TOTAL AMOUNT (in RS)					
Amount in words					
PLACE :					CONTRACTOR
DATE :					SEAL AND SIGNATURE