

Name of work:**Construction of Circuit House at Chengalpattu in Chengalpattu District**

Sl. No.	Quantity in Figures and in Words	Description	T.N.B. P No. or NBC No.	Rate in Figures and in words	Unit in Figures and in words	Amount
1	2	3	4	5	6	7
1	48.00 Hrs (Forty eight hours only)	Clearing and Levelling the uneven surfaces by removing the heaps of earth etc., by plugging out the tree trunk with roots below the ground level and removing the bushes using JCB Machinery etc. complete complying with standard specifications and as directed by the departmental officers.			1 Hr (One hour)	
2	982.00 cu.m (Nine hundred and eighty two cubic metres only)	Earth work excavation for foundation in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the surplus earth within the compound in places shown by the departmental officers with an initial lead of 10 mts and initial lift of 2 mts. and clearing and levelling the site, etc., complete complying with standard specification and as direct by the departmental officer.			1 cu.m (One cubic metre)	
3	434.00 cu.m (Four hundred and thirty four cubic metres only)	Earth work open excavation in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the excavated earth with a lead of 10 mts. within the compound in places shown by the departmental officers and clearing and levelling the site, etc., complete complying with standard specification and as direct by the departmental officer.			1 cu.m (One cubic metre)	

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**Superintending Engineer, PWD.,
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1	2	3	4	5	6	7
4	213.00 cu.m (Two hundred and thirteen cubic metres only)	Supplying and filling in foundation, basement, etc with M- sand in layers of not more than 15 cm thick well watered, rammed and consolidated etc. complete complying with standard specification and as directed by the departmental officers.			1 cu.m (One cubic metre)	
5	210.00 cu.m (Two hundred and ten cubic metres only)	Cement Concrete 1:5:10 (One Cement, Five M-sand and Ten hard broken stone jelly) using 40 mm gauge hard broken granite stone jelly for foundation including dewatering wherever necessary and laid in layers of not more than 15 cm thick well rammed, consolidated and curing etc. complete complying with standard specification and as directed by the departmental officers.			1 cu.m (One cubic metre)	
6	272.00 cu.m (Two hundred and seventy two cubic metres only)	Refilling with excavated earth other than M-sand with an initial head load of 100 mts. and depositing the earth as shown by the departmental officers in layers of not more than 15 cm thick well rammed, watered and consolidated etc. complete complying with standard specification and as directed by the departmental officers.			1 cu.m (One cubic metre)	
7	6131.00 cu.m (Six thousand one hundred and thirty one cubic metres only)	Supplying and filling of Conveyed Earth for basement filling laying watering and consolidation etc., complete complying with standard specifications and as directed by the Departmental Officers			1 cu.m (One cubic metre)	
8	916.00 cu.m (Nine hundred and sixteen cubic metres only)	Wet Mix Macadam (Table 400-13) (Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density, Complete as per clause 406) as per MORT&H Rev. V Specifications No. 111,112,406,900			1 cu.m (One cubic metre)	

1	2	3	4	5	6	7
9		Brick work in Cement Mortar 1:6,(One Cement and Six M-Sand) using Fly Ash Bricks of 230 x 110 x 70mm size conforming to IS: 12894-1989 Class designation not less 50 kg./ sq.cm. average compressive strength in cement mortar 1:5 for load bearing structures for foundation and basement and for superstructure including curing, etc., complete complying with standard specifiction.				
a	135.00 cu.m (One hundred and thirty five cubic metres only)	Foundation & Basement			1 cu.m (One cubic metre)	
b	167.00 cu.m (One hundred and sixty seven cubic metres only)	Ground Floor			1 cu.m (One cubic metre)	
c	176.00 cu.m (One hundred and seventy six cubic metres only)	First Floor			1 cu.m (One cubic metre)	
d	31.00 cu.m (Thirty one cubic metres only)	Second Floor			1 cu.m (One cubic metre)	
10		Brick work in Cement Mortar 1:5, (One Cement and five M-Sand) using Fly Ash Bricks of 230 x 110 x 70mm size conforming to IS: 12894-1989 Class designation not less 50 kg./ sq.cm. average compressive strength in cement mortar 1:5 for load bearing structures for foundation and basement and for superstructure including curing, etc., complete complying with standard specifiction and as directed by the departmental officers.				
a	272.00 cu.m (Two hundred and seventy two cubic metres only)	Foundation & Basement			1 cu.m (One cubic metre)	

1	2	3	4	5	6	7
11		Brick work in Cement Mortar 1:3,(One Cement and Three M-Sand) using Fly Ash Bricks of 230 x 110 x 70mm size conforming to IS: 12894-1989 Class designation not less 50 kg./ sq.cm. average compressive strength in cement mortar 1:5 for load bearing structures for foundation and basement and for superstructure including curing, etc., complete complying with standard specifiction and as directed by the departmental officers.				
a	15.40 cu.m (Fifteen point four zero cubic metres only)	Foundation & Basement			1 cu.m (One cubic metre)	
12	876.00 sq.m (Eight hundred and seventy six square metres only)	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specification. (Payment for centering shall be given after the concrete is laid)			1 sq.m. (One square metre)	
13		Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces as detailed below in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at abote 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specificalton. (Payment for centering shall be given after the concrete is laid)				

1	2	3	4	5	6	7
a	2205.00 sq.m (Two thousand two hundred and five square metres only)	For plane surfaces such as RCC floor slab, roof slab, beams, lintels, bed blocks, landing slab, waist slab, portico slabs and beams, etc.			1 sq.m. (One square metre)	
b	1259.00 sq.m (One thousand two hundred and fifty nine square metres only)	For plane surfaces such as rectangular or square RCC columns, sunshades, top and bottom slab of RCC boxing, etc.			1 sq.m. (One square metre)	
c	117.00 sq.m (One hundred and seventeen square metres only)	For plane surfaces such as vertical slab, side slabs of boxing, vertical drops, facia, vertical wall, etc.			1 sq.m. (One square metre)	
d	17.00 sq.m (Seventeen square metres only)	For Circular Column			1 sq.m. (One square metre)	

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Providing and laying in position, Standardised Concrete Mix M-20 Grade in accordance with IS :456-2000, using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 350kg/cu.m and maximum water cement ratio of 0.55, including admixture (plasticiser / super plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5Cu.m) 7730kg. of 20mm machine crushed stone jelly and with about (3.30 Cu.m) 5156kg. of 10-12mm machine crushed stone jelly and with about (4.79Cu.m) 7670kg. of M-sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing etc. and providing fixtures like fan clamps in the RCC floor/roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards. (No separate payment will be made by the Department for the excess usage of materials)

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1	2	3	4	5	6	7
a	250.00 cu.m (Two hundred and fifty cubic metres only)	Foundation & Basement			1 cu.m (One cubic metre)	
b	201.00 cu.m (Two hundred and one cubic metres only)	Ground Floor			1 cu.m (One cubic metre)	
c	153.00 cu.m (One hundred and fifty three cubic metres only)	First Floor			1 cu.m (One cubic metre)	
d	21.00 cu.m (Twenty one cubic metres only)	Second Floor			1 cu.m (One cubic metre)	
15	855.00 Qtl (Eight hundred and fifty five quintals only)	Supplying, fabricating and placing in position Mild Steel / Ribbed Tor Steel grills for all RCC works as per design given including cost of steel and G.I. binding wire in all floors etc. complete complying with standard specification. (Contractor has to make his own arrangements for the supply of steel and binding wire)			1 Qtl. (One quintal)	
16	478.00 cu.m (Four hundred and seventy eight cubic metres only)	Plain Cement Concrete 1:2:4 (one cement, two sand and four hard broken stone jelly) using 20mm jelly for wearing coat including laying, compacting, finishing and curing, etc., complete as per standard specificatins and as directed by the departmental officers.			1 cu.m (One cubic metre)	
17		Brick partition walls of 11.50cm thickness using best quality Fly Ash Bricks of 230 x 110 x 70mm in Cement Mortar 1:3 (One Cement and Three M-Sand) using hoop iron reinforcement if found necessary including curing etc. complete and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately)				
Superintending Engineer, PWD.,						

1	2	3	4	5	6	7
a	11.00 sq.m (Eleven square metres only)	Foundation & Basement			1 sq.m. (One square metre)	
b	139.00 sq.m (One hundred and thirty nine square metres only)	Ground Floor			1 sq.m. (One square metre)	
c	125.00 sq.m (One hundred and twenty five square metres only)	First Floor			1 sq.m. (One square metre)	
18	63.00 cu.m (Sixty three cubic metres only)	Weathering course in brick jelly lime concrete using broken brick jelly of size 20mm uniform gauge in pure slaked lime (no sand to be used) to the proportion of brick jelly to lime being 32:12.5 by volume and laid over the RCC roof slab in a single layer of required slope and finished by beating the concrete with wooden beaters of approved pattern, keeping the surface constantly wet by sprinkling lime jaggery water, etc., complete as per standard specification and as directed by the departmental officers.			1 cu.m (One cubic metre)	
19	645.00 sq.m (Six hundred and forty five square metres only)	Finishing the top of roof with one course of Solar reflective ceramic tiles of size 305x305x7mm of approved quality set in Cement Mortar 1:3 (One Cement and Three Sand) 12mm thick mixed with Epoxy packing conforming to ISS including curing etc., complete with standard specification and as directed by the departmental officers.			1 sq.m. (One square metre)	

1	2	3	4	5	6	7
20	97.00 RM (Ninety seven running metres only)	Supplying and fixing in position best approved of BIS quality PVC rain water down fall pipes 110 mm dia having a pressure of 4 kg. / sq.cm including cost of necessary PVC shoe, PVC bend, cast iron gratings of required diameter and special clamps, brass screws, nails, etc., and fixing of cast iron gratings at junction of parapet and the RCC roof slab including finishing neatly etc., complete. The rate shall be inclusive of cast of removable cast iron grating. The PVC pipe shall be fixed in wall with special type of "U" clamp at the centre of the pipe line in addition to those for more than 3.0 metre pipe length, etc., complete complying with standard specification and as directed by the departmental officers.			1 RM. (One running metre)	
21	34.10 sq.m (Thirty four point one zero square metres only)	Supplying and fixing of WPC (Wood Plastic Composites) door with frame cost includes lock, handrail, hinges, transportation and other incidental charges etc., complete complying with standard specification and as directed by the departmental officers.			1 sq.m. (One square metre)	

1	2	3	4	5	6	7
22	2.10 sq.m (Two point one zero square metres only)	Manufacturing, supplying and fixing of Steel doors with following specification. MS angle of size 40x40x6mm at 3.5 kg/m used for outer frame and MS Angle of size 35x35x5mm at 2.6 Kg/m for the shutter frame. Stiffeners with 32x6mm at 1.5 Kg/m MS Flat is provided as the lock rail of the door and welded intact on both ends to the shutter frame. 18 G CR Sheets of best quality is laid as panel in the shutter frames. 18x5mm at 0.70 kg/m MS flat is welded over the 32x6mm at 1.50kg/m MS Flat on the rear side of the door, sandwiching the CR Sheet for rigidity. Additional stiffeners with 18x5mm at 0.7 Kg/m MS flats are provided diagonally on the rear side of the shutter. 300mm length of hinges 2 Nos, for shtter is provided. 6 Nos. of 250mm length hold fasts 200mm length specified at the ends are welded to the outer frame of the door. Tower bolt 2 Nos. at the top provided. 250x16mm size of Two aldrops are provided in single leaf door at lock rail section in the door for inner and outer provided and one rotating locking arrangements for the inner side of the door and additional provision for locking arrangements for lock is provided on the rear sideof the door at an appropriate place and 1 No. of M.S. handle of heavy duty. A tie bar is provided at the bottom of the outer frame to prevent twisting of the frame during transportation and fixing. All members are given one coat of red oxide primer as directed by the departmental officers. The rate includes cost of all materials, labour charges, transportation, taxes and all other incidental charges, etc., complete. (Single Leaf)			1 sq.m. (One square metre)	

1	2	3	4	5	6	7
23	222.00 RM (Two hundred and twenty two running metres only)	Supplying and fixing inposition Stainless Steel (Salem Stainless Steel) Door Frame (Box Section using Stainless Steel Plate of 1.6 mm thick) of size 100 mm x 60 mm with a rebate of 30 / 35 mm x 15 mm on one side of the frame including supplying and fixing dovetail splayed end stainless steel Hold fast etc.,The door frame inner shall be packed with CC 1:2:4 using 12mm guage HBG stone jelly including fixing the door frames inposition and dismantling the masonry and concrete wherever necessary and redoing the same original condition after fixing including scaffolding charges and labour charges and door frame will be given one coat of Red Oxide primer etc. Complete complying with standard specification The rate shall inclusive of all materials, labour, transportation, loading, unloading, handling, charges etc. The sample of materials should be got approved by the Exe. Engineer before use on works.			1 RM. (One running metre)	
24	64.80 sq.m (Sixty four point eight zero square metres only)	Supplying and fixing of Solid core Flush shutters with Teak ply on both side with teak wook lipping alround 35 mm thick conforming to I.S.12406\1989 with 35x12mm T.W. lipping on all edges with necessary adhesive and C.P.Screws, including fixing of aldrops, tower bolts, hinges and lock strike plates, putty, fevical, varnish, for T.W. lipping thinner colouring agent etc, and aluminium anodised 125mm size hinges 3 nos best quality of Saluminium anodised fittings of 200 mm, tower bolt 1 no 150mm tower bolts 1 nos, 250mm aldrops 16mm dia rod 1 no 125mm long handle 2 nos 40mm dia nylon bush 1no, door stoper 1 No shall be provided. The rate is inclusive cost of fevical and fixing charges, transportation, loading, unloading and all other incidental charges handling charges etc., complete complying with standard specification. The sample of materials and fittings should be got approved by the Engineer-in-charge before use on works.(Single leaf)			1 sq.m. (One square metre)	

1	2	3	4	5	6	7
25	20.00 sq.m (Twenty square metres only)	Supplying and fixing Solid core Flush shutters with Teak ply on both side with teak wook lipping alround 35 mm thick shutter conforming to I.S. 12406/1989 with external teak wood lipping of size 35x12mm on all edges with necessary adhesive and C.P. Screws, including fixing for aldrop, tower bolt, hinges and lock strike plates, putty, fevical, painting the teak wood lipping etc., and including the cost of alumnium hinges 125x30mm size - 6 Nos. aluminium aldrop of size - 250x16mm 1No , Aluminium tower bolt of size 250x12mm -2 No , tower bolt of size 200x12mm -1 No, D type aluminium handle of size 200mm -2 No , aluminuim door stopper with Nylon bush - 2 No . shall be provided. All aluminium furniture fittings are to be anodised with matt finish under electrically controlled condition in accordance with ISI specification 1868/1968 for anodic film thickness of not less than 15 microns. The rate is inclusive cost of fevical and fixing charges, transportation, loading, unloading and all other incidental charges, handling charges, etc., complete complying with standard specification. (Double leaves)			1 sq.m. (One square metre)	

1	2	3	4	5	6	7
26	4.05 sq.m (Four point zero five square metres only)	Supplying and fixing Teakwood Entrance Door with a size 5.40m x 2.90m with four leaves as per the design approved by the departmental officers. The outer frames are one horizontal and four verticals of size 150x100mm scantlings. Shutter frames are 100x50mm scantlings. The shutter shall have 2.40m high with two panels having 1/3 at bottom and 2/3 at top. The panels shall be 40mm thick Teakwood planks. The shutter shall have 4 leaves of equal size and openable. The top 2/3 shall be MS Grill of approved pattern and bottom 1/3 shall be teak wood planks of 40mm thick and finished with approved pattern with skilled carpenter as directed by the departmental officers. The top portion shall be covered with plain glass of 8mm thick. The rate includes cost of best and approved quality of Teakwood, Teakwood reeper 50x25mm, Brass hinges, Tower bolt, Aldrop, locking arrangements, Ornamental Handles, brass screws and labour charges for handlings, fixing charges, conveyance charges etc., The door frame and shutters shall be given two coats of best and approved quality of Lac polishing etc., complete complying with standard specification and as direct by the departmental officer			1 sq.m. (One square metre)	

1	2	3	4	5	6	7
27		UPVC Window Specification: Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 125GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with Espag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown colour glass 4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The window should be got approved from the Executive Engineer before use on work				
a	56.50 sq.m (Fifty six point five zero square metres only)	Three leaves			1 sq.m. (One square metre)	
b	36.00 sq.m (Thirty six square metres only)	Two Leaves			1 sq.m. (One square metre)	

1	2	3	4	5	6	7
28	10.00 sq.m (Ten square metres only)	UPVC Ventilator Specification Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Louvered Ventilators of from the profile the size of outer frame 60mm x 58mm and shutter profile size of 60 x 78mm both profiles are reinforced with GI/1mm 125GSM and 100% corrosion free, the profile are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with all over the edges of frame and shutter. The corners and joints should be welded and cleaned. Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The ventilator should be got approved from the Executive Engineer before use on work			1 sq.m. (One square metre)	
29	9424.00 Kg (Nine thousand four hundred and twenty four kilo grams only)	Supplying and fixing of M.S.grill of approved design for grill gate, grill work to doors and windows openings ramp etc., using necessary mild steel flats for inner and outer members which should be fixed on edges including priming coat of best approved quality red oxide primer etc., complete complying with standard specification and as direct by the deptmental officer			1 kg. (One kilo gram)	
30	36.00 sq.m (Thirty six square metres only)	Manufacturing, Supplying and Fixing of Stainless Steel Hand rails for staircase using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick at required locations to a height of 900mm from finished floor level welded to 38mm dia Stainless Steel pipe post of 1.00mm thick as vertical at 900mm centre with 2 Nos. of 25mm dia ntermediate horizontal stainless steel pipe of 1.60mm thick in between.The vertical pipe has to be welded to the 100 X 100 X 6mm MS base plate encased in the base concrete. The rate is inclusive of the charges for cutting, bending, welding, grinding, polishing, conveyance, electrical charges, etc.complete			1 sq.m. (One square metre)	
31	10.00 cu.m (Ten cubic metres only)	Brick Jelly Lime Concrete of 1:2:5 (One Lime,Two Sand and Five Brick jelly) with 40 mm hand broken brick jelly for Sunken portions including dewatering wherever necessary and laid in layers of not more than 15cm thick, well rammed, consolidated and curing etc. complete complying with standard specification and as direct by the departmental officer			1 cu.m (One cubic metre)	

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**Superintending Engineer, PWD.,
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1	2	3	4	5	6	7
32	14.00 sq.m (Fourteen square metres only)	Providing through Vertical Joint between RCC Twin Columns from top of pedestal including filling the inner space with suitable non-absorbent flexible and well compressible fillter material after finishing the sides of RCC columns (such finishing shall be paid for separately under relevant items) etc., complete complying with standard specification and as direct by the departmental officer			1 sq.m. (One square metre)	
33		Manufacturing, supplying and fixing Precast Reinforced Cement Concrete slabs of following thickness in RCC 1:2:4 (one cement, two sand and four aggregates), using following HBGS jelly excluding cost of reinforcement steel in position but including cost of moulding charges, casting of slab, finishing, curing and fixing in position in all floors etc., complete complying with standard specification and as directed.				
a	12.00 sq.m (Twelve square metres only)	50mm thick slab			1 sq.m. (One square metre)	
d	28.00 sq.m (Twenty eight square metres only)	75mm thick slab			1 sq.m. (One square metre)	
34	773.00 sq.m (Seven hundred and seventy three square metres only)	Paving the floor with Premium Tiles (like Kajaria) of size 1200 x 600 x 10mm of approved colour, shade and quality laid in cement mortar 1:3 (one cement and three sand) 20mm thick in all floors and the top pointed with the white cement mixed same colour pigments etc., complete complying with standard specification. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)			1 sq.m. (One square metre)	

1	2	3	4	5	6	7
35	69.00 sq.m (Sixty nine square metres only)	Paving the floor with kota stone slab of size 600 x 600 of 18 / 20mm (un-polished) in all floors laid in of cement mortar 1:3 (one cement three M-sand), 20mm thick and pointed with colour cement neatly including polishing with polishing stone and oxalic acid etc., so as to perfectly smooth and glossy and including hire charges for polishing machine and power consumption charges etc. The kota stone slabs and other materials to be used shall be got approved by the Executive Engineer concerned before use on work, etc., complete as per standard specification and as direct by the departmental officer.			1 sq.m. (One square metre)	
36	243.00 sq.m (Two hundred and forty three square metres only)	Paving the floor with best approved quality fine polished Granite Stone Slabs of size 1200 x 600 of 18 / 20mm thick of Synthetic Grey, Paradise and similar varieties with machine cut edges laid over a cement mortar bed of 20mm thick using cement mortar 1:3 (One cement and three sand) fixing the slabs with required cement slurry and laid in true right angles with minimum possible width of joints and pointing the joints with white cement mixed with matching colouring pigments etc., The granite stone slabs and other materials to be used shall be got approved by the Executive Engineer concerned before use on work, etc., complete as per standard specification and as direct by the departmental officer.			1 sq.m. (One square metre)	
37	88.00 sq.m (Eighty eight square metres only)	Flooring with approved quality Matt finish Tiles of size 600 x 600 x 8mm in all floors over a base layer of cement mortar 1:3 (One Cement and Three M-sand) 20mm thick and pointing with the same coloured cement neatly and fixed in position so as to make it perfectly smooth and shining to the alignment etc., complete complying with standard specification and as directed by the departmental officers. (The sample of colour and shade of the ceramic tiles should be got approved by Executive Engineer before use on works)			1 sq.m. (One square metre)	

1	2	3	4	5	6	7
38		Dadoing walls with best approved quality Tiles of size 1200mmx600x10mm and above set in Cement Mortar 1:2 (One Cement and Two sand) 10mm thick and pointing the joints with white cement mixed with colouring pigments at the rate of 0.40 Kg. / sq.m. neatly in all floors, curing, etc., complying with standard specification and as directed by the departmental officers.(The make and brand of the tiles should be like Johnson / Kajaria / Somany / Nitco / RAK or Equivalent which has to be got approved by Executive Engineer before use on works)				
a	440.00 sq.m (Four hundred and forty square metres only)	Dadoing tiles of size 1200 x 600 x 10mm			1 sq.m. (One square metre)	
39	84.00 sq.m (Eighty four square metres only)	Providing and fixing Acoustic Wall Panelling (equivalent to Armstrong) in channelled wood works perforated panels of width 192mm, thickness of 15mm and length of 2400mm or as per required by the Departmental Engineer made of a high density fibre board with minimum 725 kg./m3 density substrate with a laminated facing as per the approved shade and finish and a melamine balancing layer on the reverse side. The boards shall have a special perforation pattern where the visible surface has a "Helmholtz" fluted perforation of 3mm width and 21mm of visible panel each. The edges of the panels shall be "tongue-and-grooved" to receive special clips for installation. The back of the perforated panel shall have sound absorbing non woven acoustical fleese having NRC of 0.52. The panels shall be mounted on special aluminium splines using clips provided by Armstrong and approved by the Engineer-in-Charge.....(272)			1 sq.m. (One square metre)	
40		Dadoing walls with following best approved quality, white / colour glazed tiles of following sizes set in Cement Mortar 1:2 (One Cement and Two sand) 10mm thick and pointing the joints with white cement mixed with colouring pigments at the rate of 0.40 Kg. / sq.m. neatly in all floors, curing, etc., complying with standard specification and as directed by the departmental officers.				

1	2	3	4	5	6	7
a	11.00 sq.m (Eleven square metres only)	Dadoing with Granite tiles - (Superfine polished with Machine cut edges) of size 2'0" x 1'0" or 1'0" x 1'0" or 1'0" x 0'6", of 10 mm thick			1 sq.m. (One square metre)	
41		Providing granolithic floor finish of the following thickness with plain cement concrete 1:2:4 (One Cement, Two sand and Four aggregate) using 10 to 12mm gauge hard broken stone jelly including laying, finishing and the top rubbed smooth with power trawl, thread lining, curing etc. complete complying with standard specification and as directed by the departmental officers. (The rate is inclusive of necessary planking for panelling wherever necessary and as directed by the departmental officers)				
a	162.00 sq.m (One hundred and sixty two square metres only)	40mm thick			1 sq.m. (One square metre)	
42	3510.00 sq.m (Three thousand five hundred and ten square metres only)	Plastering with Cement Mortar 1:5 (One cement and Five sand), 12mm thick in all floors including curing etc. complete complying with standard specification and as directed by the departmental officers.			1 sq.m. (One square metre)	
43	1146.00 sq.m (One thousand one hundred and forty six square metres only)	Special ceiling plastering and finishing the exposed surface of all RCC items of work such as slabs, beams, sunshades, facia, canopy slab, staircase waist slab, landing slab etc., with Cement Mortar 1:3 (One Cement and Three Sand) 10mm thick including hacking the surfaces, providing cement mortar nosing, beading for sunshades, staircases, steps, landing slabs and curing, etc., in all floors complying with standard specification and as directed by the departmental officers			1 sq.m. (One square metre)	

1	2	3	4	5	6	7
44	1880.00 sq.m (One thousand eight hundred and eighty square metres only)	Supplying and applying of two coats of putty of 3mm thick over the exposed RCC surface of ceiling including finishing the joints smoothly with grinding machine and the surface shall be thoroughly cleaned out of dust and scrubbing. The surface shall then be allowed to dry for atleast 48 hours. It shall then be sand papered (water proof abrasive sheet) to give a smooth and even surface. Any unevenness shall be made good by applying 1st coat of putty mixed with water on the entire surface including filling up the undulations and applying 2nd coat of putty after 6 hours of 1st coat of putty and then sand papering (water proof abrasive sheet) the same after it is dry and finishing the surface smoothly, etc., complete complying with standard specifications and as directed by the Departmental Officers.(The rates are inclusive of hire charges for grinding machine with sheel, cost of sand paper (water proof abrasive sheet), coat of putty blade, labour charges for grinding the joints and sand papering, two coats of putty, scrapping the putty area to level the surface smooth, etc., complete. The putty should be got approved by the Executive Engineer before use on work.			1 sq.m. (One square metre)	
45	200.00 sq.m (Two hundred square metres only)	Plastering the surface of walls with Cement Mortar 1:3 (One cement and Three Plastering Sand (P-Sand)), 20mm thick in all floors including curing etc., complete complying with standard specification and as directed by the departmental officers.			1 sq.m. (One square metre)	
46	61.00 sq.m (Sixty one square metres only)	Plastering with Cement Mortar 1:3 (One Cement and Three Plastering Sand (P-Sand)) 20mm thick mixed with water proofing compound conforming to BIS at 2% by weight of cement used including finishing, curing, etc., complete in all floors complying with standard specification and as directed by the departmental officers.			1 sq.m. (One square metre)	

1	2	3	4	5	6	7
47	3240.00 sq.m (Three thousand two hundred and forty square metres only)	Painting two coats of newly plastered wall surface with ready mixed Interior plastic emulsion paint of first class quality and of approved colour over a priming coat including thorough scrapping, clean removal of dirt, and including necessary plaster of paris putty, wherever required etc., complete complying with standard specification and as directed by the departmental officers.			1 sq.m. (One square metre)	
48	2160.00 sq.m (Two thousand one hundred and sixty square metres only)	Painting the wall with Texture Finish Paint including labour charges			1 sq.m. (One square metre)	
49	160.00 sq.m (One hundred and sixty square metres only)	Painting new iron works such as steel doors, windows, ventilators, window bars, balustrades etc., with two coats of best approved first quality and colour of synthetic enamel paint over the existing red oxide priming coat in all floors excluding cost of priming coat etc., complete complying with standard specification. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)			1 sq.m. (One square metre)	

1	2	3	4	5	6	7
50	564.00 sq.m (Five hundred and sixty four square metres only)	Supply and installation of Anutone (or) Euivalent Brand of Acoustical False Ceiling of subtex nubby, square edge, glass fibre core fully encapsulated ceiling tile of size 595 x 595 x 15mm having volume density 120 Kgs / m3, weight 1.8 / 2.4 / 3 kg / m2 which is suspended by using 0.3mm thick skelet trellis T15 metal grid system. Skelet trellis T15 metal grid system of 600 x 600mm module includes skelet WA15 W30 wall angle with unequal flanges of 15 / 19mm, length 3000mm, fixed along the perimeter of walls with the help of nylon sleeves and suitable fasteners at 300mm centers. Then suspend the skelet MT15 W36 MainT with flange width 15mm, height 32mm and length 3600mm, from the soffit slab with help of soffit cleat and wire rod with leveling spring clip at 1200mm centres. Skelet CT15 W12 CrossT with flange width 15mm, height 26mm and length 1200mm is interlocked into the pre-cut slots in the Main T15 at 600mm centers in the perpendicular direction to the Main T15. Finally, the skelet CT15W06 CrossT with flange width 15mm, height 26mm and length 600mm are interlocked into the precut slots in the CT15W12 CrossT in direction parallel to the Main T15 to result in 600 x 600mm module. The subtex nubby square edge of size 595 x 595 x 15mm shall be placed into the grid size of 600 x 600mm. Ensure arrow marks behind the tiles are oriented in one direction to achieve uniform shade. The systems to achieve noise reduction coefficient not less than 0.9 NRC, so as to have an neat appearance as directed by the department offices. The cost includes, cost of material, cost of labour, scaffolding, transportation, conveyance, etc. complying to standard specification.			1 sq.m. (One square metre)	

1	2	3	4	5	6	7
51	614.00 sq.m (Six hundred and fourteen square metres only)	<p>Providing Anti-termite treatment to soil adjacent and under building foundation, plinth periphery of the building by application of chemicals of IS 63613 Part I to IV in stages to suit the progress of work consist as per the detailed specification as below. (Measurements taken for the plinth area for the purpose of payment) including breaking of termite mounds, making holes with crow bar, closing the holes after the treatment and including cost of chemicals, labour charges, transport and storing, etc., complete and as directed by the departmental officers. (The chemical should be got approved by Executive Engineer before use on work).</p> <p>Stage-1: Spraying anti-termite chemical solution for the foundation before laying concrete, in bottom and sides of foundation.</p> <p>Stage-2: Spraying anti-termite chemical solution to the grade beam level, spraying has to done for the grade beam, brick masonry contact with the back fill earth.</p> <p>Stage-3: Spraying anti-termite chemical solution on the sand for the flooring before laying the flooring concrete. This treatment has to be carried out on the sand filling by making holes with crow bar to a depth of 60cms and at 60cms intervals on both direction and at junction of wall and flooring throughout.</p> <p>Stage-4: Spraying anti-termite chemical solution alround building outside by making holes through bar before laying plinth protection and the holes to be closed after the treatment</p>			1 sq.m. (One square metre)	
52	1.00 No. (One Number only)	Supplying and fixing in position CI manhole covers with CI frames (Heavy duty) of size 60cm x 60cm of best approved quality as per standard specification etc., complete compying with standard specifications and as direct by the departmental officer			1 No (Each)	

1	2	3	4	5	6	7
53	4.00 Nos. (Four Numbers only)	Supplying and fixing in position Indian Water Closet (Oriya type) of size 580 x 440mm white glazed earthen ware of approved quality and brand with "P" or "S" trap conforming to BIS with sand cushion and forming flooring around the closet using 40mm broken brick jelly in lime concrete 1:2:5 (One lime, Two sand and Five brick jelly) 100mm thick and finishing the top to the required slope and including giving necessary connection to PVC pipes (including the cost of 110mm dia PVC pipe for a length of 600mm) by dismantling brick masonry wall / reinforced cement concrete roof / floor slab and making good the dismantled portion to the original condition with leakages etc., complete complying with standard specifications and as directed by the departmental officers. (The water closet should be got approved by the Executive Engineer before use on works).			1 No (Each)	
54	12.00 Nos. (Twelve Numbers only)	Supplying and fixing in position white / colour glazed European Water Closet of best quality and approved make with 100 mm "P" or "S" trap connecting with CI pipe of 100mm dia / PVC pipe of 110mm dia, double flapped rigid PVC black seat and seat cover with CP brass hinges including cost of white cement, cement for packing, spun yarn, teak wood plugs, brass screws, etc., including supplying and fixing 10 litres capacity PVC / 12.5 litres capacity porcelin low level flushing tank with a pair of CI brackets, etc., complete with all fittings such as 15mm brass ball valve with polythene float with brass handle, union, coupling connected by means of 40mm white PVC flush hand using Indian adopter joint including all internal fittings such as 15mm brass connections, 15mm GM wheel valve, 15mm brass nipple (2 Nos.), 15mm nylon connection, TW plugs, screws and also giving necessary connection to the PVC pipe including cost of 600mm length of 110mm dia PVC pipe and painting the CI brackets with 2 coats of approved paint over one coat of red oxide primer, dismantling the masonry and re-doing the dismantled masonry to original condition etc. complete complying with standard specifications. (The EWC and flushing tank with all accessories should be got approved by the Executive Engineer before use on works)			1 No (Each)	

1	2	3	4	5	6	7
55	22.00 Nos. (Twenty two Numbers only)	Supplying and fixing in position best quality and approved make indian made modular type glazed earthenware hand wash basin of size 600x480mm cupboard arrangements below the wash basin, of whole size 600x650mm, A mirror with shelf arrangements shall be fixed above wash basin, and giving necessary water supply connection including testing for leakage etc., complete complying with standard specification and as directed by the departmental office. The Modular type wash hand basin should be got approved by the Executive Engineer before use on works)			1 No (Each)	
56		Supplying and fixing in position best quality cuddapah sink of following sizes including cost of 32mm dia CP waste coupling, 32mm dia PVC waste pipe with rubber plug and chain, 15mm dia brass nipple including fixing the sink in position and testing for leakages etc., complete complying with standard specifications excluding CI brackets. [The sink and specials should be got approved by the Executive Engineer before use on works]				
a	1.00 No. (One Number only)	Cuddapha sink of 600 x 600 x 200mm			1 No (Each)	
57	37.00 Nos. (Thirty seven Numbers only)	Supplying and fixing position CI Nahani Trap / Floor Trap of the following sizes with best stainless steel gratings of approved brand and quality, fixed over a bed of brick jelly lime concrete 1:2:5 (One part of lime, two part of sand and five part of 40mm gauge brick jelly) and finished with Cement Mortar 1:3 (One Cement, Three sand) including dismantling masonry works wherever found necessary and making good the dismantled portions to the original condition and giving connection to the CI / PVC pipes, etc., complete complying with standard specification. (The Nahani Trap should be got approved by the Executive Engineer before use on works)			1 No (Each)	

1	2	3	4	5	6	7
58	20.00 RM (Twenty running metres only)	Supplying, laying and jointing glazed stoneware pipes of 150mm dia of approved best quality with spigot and socket ends (in reverse direction) in dry condition and laid in loose joints (i.e.) without cement and spun yarn, so that the waste water can be drained to the trenches already available, excluding cost of earth work excavation, cost of re-filling with sand / earth, but including laying the pipe in true alignment and gradient and conducting required water supply test for draining with necessary tools and plants, etc., complete complying with standard specifications and as directed by the departmental officers			1 RM. (One running metre)	
59	2.00 Nos. (Two Numbers only)	Supplying and fixing PVC ventilating shaft of 110mm dia (having working pressure 4 kg. / sq.cm) with 3 metre height including cost of PVC cylindrical cowl of best approved quality etc., complete complying with standard specifications and as directed by the departmental officers			1 No (Each)	
60	19.90 cu.m (Nineteen point nine zero cubic metres only)	Supplying and filling of 40mm ISS metal in dispersion trench around the stoneware pipe or in the leach pit or soak pit to the required thickness as directed by the departmental officers etc. complete. (The rate including cost of metal filling etc., complete complying with standard specification and as directed by the departmental officers			1 cu.m (One cubic metre)	
61	19.90 cu.m (Nineteen point nine zero cubic metres only)	Supplying and filling of 20mm ISS metal in dispersion trench around the stoneware pipe or in the leach pit or soak pit to the required thickness as directed by the departmental officers etc. complete. (The rate including cost of metal filling etc., complete complying with standard specification and as directed by the departmental officers			1 cu.m (One cubic metre)	

1	2	3	4	5	6	7
62		Supplying and fixing in position best quality PVC soil / waste pipes of various dia having 6 kg / sq.cm. pressure BIS mark and providing leak proof joints using PVC adhesives including fixing to the wall with special PVC / MS clamp, teak wood plugs, brass screws, etc., and making connection to all sanitary fittings, dismantling masonry / RCC works wherever found necessary and making the good dismantled portion to the original condition, including testing for any leakages, etc., complete complying with standard specifications. (The PVC pipes should be got approved by the Executive Engineer before use on works). The rate for earth work excavation will be measured and paid separately in the cases where the pipe lines are proposed to laid below ground level				
a	317.20 RM (Three hundred and seventeen point two zero running metres only)	110mm dia			1 RM. (One running metre)	
b	277.80 RM (Two hundred and seventy seven point eight zero running metres only)	75mm dia			1 RM. (One running metre)	
63		Supplying and fixing in position PVC specials of the following dia and types of approved quality confirming to BIS and providing leak proof joints including fixing to the walls and giving connection to the PVC soil stacks, dismantling the masonry or RCC works and re-doing the dismantled portion to original condition etc., complete complying with standard specifications. (The PVC specials should be got approved by the Executive Engineer before use on works).				
a	12.00 Nos. (Twelve Numbers only)	110mm dia PVC Door Elbow			1 No (Each)	

1	2	3	4	5	6	7
b	15.00 Nos. (Fifteen Numbers only)	75mm dia PVC Door Elbow			1 No (Each)	
c	12.00 Nos. (Twelve Numbers only)	110mm dia PVC Door Tee			1 No (Each)	
d	13.00 Nos. (Thirteen Numbers only)	75mm dia PVC Door Tee			1 No (Each)	
64		Supplying and fixing in position PVC cowls of following dia of best approved quality conforming to BIS, etc., complete complying with standard specifications. (The PVC cowl should be got approved by the Executive Engineer before use on works).				
a	12.00 Nos. (Twelve Numbers only)	110mm dia			1 No (Each)	
b	32.00 Nos. (Thirty two Numbers only)	75mm dia			1 No (Each)	

1	2	3	4	5	6	7
65		Drilling of Borewells anywhere in Tamilnadu including transportation from one place to another with in Tamilnadu in alluvial soil sedimentary starta of clay and sand stone shale pebbles boulders etc., By first taking a pilot bore of 140mm/150mmdia and then enlarging torequired dia direct or reverse rotary mud circulation method using rotary rigs,fuel,labour and drilling bentonite and water required for drilling at site				
a	60.00 RM (Sixty running metres only)	0 to 60m depth			1 RM. (One running metre)	
b	30.00 RM (Thirty running metres only)	60 to 90m depth			1 RM. (One running metre)	
c	30.00 RM (Thirty running metres only)	90 to 120m depth			1 RM. (One running metre)	

1	2	3	4	5	6	7
d	30.00 RM (Thirty running metres only)	120 to 150m			1 RM. (One running metre)	
66		Supplying unplasticised plain PVC casing pipes without slot of pressure 6Kg/1m ² in the drilled hole of the following diameter in 3 metre length with screwed and socket ends and centering guide for every 15 metre length of pipes as per I.S 12818 / 1982 including welding the joints supplying and poeting the annular space with pebbles of size and quality etc., complete as directed by the Executive Engineer.				
a	30.00 RM (Thirty running metres only)	160mm PVC .Plain Casing Pipe (With out slot)			1 RM. (One running metre)	
67		Supplying unplasticised plain PVC casing pipes without slot of pressure 6Kg/1m ² in the drilled hole of the following diameter in 3 metre length with screwed and socket ends and centering guide for every 15 metre length of pipes as per I.S 12818 / 1982 including welding the joints supplying and poeting the annular space with pebbles of size and quality etc., complete as directed by the Executive Engineer.				
a	80.00 RM (Eighty running metres only)	160mm PVC .Plain Casing Pipe (With slot)			1 RM. (One running metre)	
68	135.00 RM (One hundred and thirty five running metres only)	Labour charges for inserting 160 /168 mm dia PVC casing pipes assemble (with slots or without slots) in the drilled hole including jointing the pipes with PVC couplers with cement paste etc. complete, supply and packing the annular space with pebbles of size and quality as approved by the Engineer incharges.			1 RM. (One running metre)	

1	2	3	4	5	6	7
69	8.00 Hrs (Eight hours only)	Charges for developing the borewell for entire depth with suitable air compressor of 300RPM capacity (minimum 8hrs) including transportation labour and fuel charges for compressor and as directed by the departmental officers and conducting yield test by "V" notch methods			1 Hr (One hour)	
70		supplying and fixing in position of following dia of PVC casing of Hose pipe etc complete complying standart specification and as directed by the departmental officers				
a	145.00 RM (One hundred and forty five running metres only)	40mm dia pipe			1 RM. (One running metre)	
71	1.00 No. (One Number only)	Supplying and erecting best approved quality of 5.00 HP Borewell Submersible pumpset (IS 8034) with ISI mark the rate including fixing and jointing submersible cable with proper clamps upto the starter to the required depth and also fixing the riser pipes to the required depth values erection clamps, pressure gauges upto the exterior walls of pumproom and erection of panel board consisting of TPIC switches starter, Voltmeter Ammeter Pilot lamps, capacitor single phasing preventor water level guard and laying and jointing the cable and twin earthing as per IE rules etc complete and testing the pumpset and trail run for 10 days etc, complete complying with standrad specification and as directed by the departmental officers			1 No (Each)	

1	2	3	4	5	6	7
72	1.00 No. (One Number only)	Supplying and erecting best approved quality of 2.00 HP well Submersible pumpset (IS 8034) with ISI mark the rate including fixing and jointing submersible cable with proper clamps upto the starter to the required depth and also fixing the riser pipes to the required depth values erection clamps, pressure gauges upto the exterior walls of pumproom and erection of panel board consisting of TPICH switches starter, Voltmeter Ammeter Pilot lamps, capacitor single phasing preventor water level guard and laying and jointing the cable and twin earthing as per IE rules etc complete and testing the pumpset and trail run for 10 days etc, complete complying with standrad specification and as directed by the departmental officers			1 No (Each)	
73	195.00 RM (One hundred and ninety five running metres only)	Supplying and fixing 4.0 sqmm 3 core flat type copper cable for submercible motor and giving necessary connection to the panel board etc.complete complying with standrad specification and as directed by the departmental officers			1 RM. (One running metre)	
74		Supplying, laying and jointing UPVC pipes of approved quality and best variety conforming to BIS of the following dia including cutting, threading and fixing UPVC specials using UPVC adhesives (but excluding cost of such specials) and fixing into wall with teak wood plugs, PVC clamps and screws making holes on the wall (or) drilling holes in the roof and making good the dismantled portion to original condition with necessary brick work / cement concrete and plastering neatly wherever necessary with necessary scaffolding charges, etc., complete complying with standard specifications. The PVC pipes shall be got approved by Executive Engineer before use on works.				
I		Internal water supply above GL				
a	97.00 RM (Ninety seven running metres only)	20mm dia UPVC Pipe			1 RM. (One running metre)	

1	2	3	4	5	6	7
b	75.00 RM (Seventy five running metres only)	25mm dia UPVC Pipe			1 RM. (One running metre)	
75		Supplying, laying and jointing CPVC pipes of approved quality and best variety conforming to BIS of the following dia including cutting, threading and fixing CPVC specials using CPVC adhesives (but excluding cost of such specials) and fixing into wall with teak wood plugs, PVC clamps and screws making holes on the wall (or) drilling holes in the roof and making good the dismantled portion to original condition with necessary brick work / cement concrete and plastering neatly wherever necessary with necessary scaffolding charges, etc., complete complying with standard specifications. The CPVC pipes shall be got approved by Executive Engineer before use on works.				
I		Internal Water Supply - Above Ground Level				
a	48.00 RM (Forty eight running metres only)	20mm dia CPVC Pipe			1 RM. (One running metre)	
76		Supplying, laying and jointing UPVC pipes of approved quality and best variety conforming to BIS of the following dia including cutting, threading and fixing UPVC specials using UPVC adhesives (but excluding cost of such specials) and fixing into wall with teak wood plugs, PVC clamps and screws making holes on the wall (or) drilling holes in the roof and making good the dismantled portion to original condition with necessary brick work / cement concrete and plastering neatly wherever necessary with necessary scaffolding charges upto 4 metre height above ground level, etc., complete complying with standard specifications. The PVC pipes shall be got approved by Executive Engineer before use on works.				

1	2	3	4	5	6	7
I		External water supply above GL				
a	162.00 RM (One hundred and sixty two running metres only)	40mm dia UPVC Pipe			1 RM. (One running metre)	
II		External water supply below GL				
a	130.00 RM (One hundred and thirty running metres only)	40mm dia UPVC Pipe			1 RM. (One running metre)	
77		Supplying and fixing in position first quality and approved variety of Gun metal Gate Valve / Wheel Valve with BIS make of the following dia including cost of shellac, thread balls, etc., complete complying with standard specifications (for both internal and external water supply arrangements). The valves to be used on work shall be got approved by the Executive Engineer before use on work.				
a	4.00 Nos. (Four Numbers only)	40mm dia GM Gate Valve			1 No (Each)	
78	35.00 Nos. (Thirty five Numbers only)	Supplying and fixing in position 15mm dia brass CP screw down tap / Pillar tap (heavy duty) of approved make conforming to BIS specifications and quality including cost of shellac, thread, etc., complete complying with standard specification and including cutting and threading wherever necessary. (Taps should be got approved by the Executive Engineer before use on the works)			1 No (Each)	

1	2	3	4	5	6	7
79	21.00 Nos. (Twenty one Numbers only)	Supplying and fixing in position Indian make bevelled edge mirror of approved quality and brand PVC / Fibre Glass framed 600 x 450 x 5.5mm thick mirror, shelf type with hard board backing of approved colour fixed with brass screws, rawl plug, etc., complete complying with standard specification. (The mirror should be got approved by the Executive Engineer before use on woks)			1 No (Each)	
80	21.00 Nos. (Twenty one Numbers only)	Supplying and fixing approved best quality brass CP towel rail 600mm long and 20mm dia with brackets of same materials including cost of teak wood plugs and CP screws, etc., complete complying with standard specifications. (The tower rail should be got approved by Executive Engineer before use on works).			1 No (Each)	
81	21.00 Nos. (Twenty one Numbers only)	Supplying and fixing best approved best quality brass CP soap tray of size 150 x 150mm including cost of teak wood plugs, brass screws, etc., complete complying with standard specifications. (The soap tray should be got approved by Executive Engineer before use on works).			1 No (Each)	
82		Supplying and fixing in position GI unions of heavy duty of approved quality and good variety of various sizes including necessary cutting and threading of GI pipes for jointing the union and providing two coats of painting with good variety and approved quality of synthetic enamel paint over one coat of primer in case of pipe line above ground level / one coat of tar in case of below ground level for both internal and external water supply arrangements, etc., complete complying with standard specifications. (The GI unions should be got approved by Executive Engineer before use on works).				
a	12.00 Nos. (Twelve Numbers only)	40mm dia UPVC Union			1 No (Each)	

1	2	3	4	5	6	7
b	12.00 Nos. (Twelve Numbers only)	25mm dia UPVC Union			1 No (Each)	
c	16.00 Nos. (Sixteen Numbers only)	20mm dia UPVC Union			1 No (Each)	
83		Supplying and fixing in position the following UPVC Specials of heavy type and approved quality and good variety excluding fixing charges but including necessary cutting and threading of UPVC pipes, jointing the UPVC specials and jointing the specials with pipe line using UPVC Adhesive etc., complete complying with standard specification. (The UPVC specials should be got approved by the Executive Engineer concerned before use on works.)				
a	26.00 Nos. (Twenty six Numbers only)	40mm dia Elbow			1 No (Each)	
b	24.00 Nos. (Twenty four Numbers only)	25mm dia Elbow			1 No (Each)	
c	56.00 Nos. (Fifty six Numbers only)	20mm dia Elbow			1 No (Each)	
d	18.00 Nos. (Eighteen Numbers only)	40mm dia Tee			1 No (Each)	

1	2	3	4	5	6	7
e	15.00 Nos. (Fifteen Numbers only)	25mm dia Tee			1 No (Each)	
f	22.00 Nos. (Twenty two Numbers only)	20mm dia Tee			1 No (Each)	
g	8.00 Nos. (Eight Numbers only)	40mm dia Hex Nipple			1 No (Each)	
h	12.00 Nos. (Twelve Numbers only)	20mm dia Hex Nipple			1 No (Each)	
i	12.00 Nos. (Twelve Numbers only)	25x20mm Reducer			1 No (Each)	
j	10.00 Nos. (Ten Numbers only)	20x15mm dia Reducer			1 No (Each)	
k	10.00 Nos. (Ten Numbers only)	40x32mm Reducer Elbow			1 No (Each)	
l	8.00 Nos. (Eight Numbers only)	25x20mm Reducer Elbow			1 No (Each)	

1	2	3	4	5	6	7
m	9.00 Nos. (Nine Numbers only)	20x15mm Reducer Elbow			1 No (Each)	
n	8.00 Nos. (Eight Numbers only)	40x32mm Reducer Tee			1 No (Each)	
o	8.00 Nos. (Eight Numbers only)	25x20mm dia Reducer Tee			1 No (Each)	
p	6.00 Nos. (Six Numbers only)	20x15mm dia Reducer Tee			1 No (Each)	
84		Supplying and Fixing of Brass Letters of approved size and colour. The colour treatment process is achieved with MRF colour coat and then the processed coloured layer is set into the kiln for the heat treatment process for the following sizes				
a	18.00 Nos. (Eighteen Numbers only)	English Letter Size 10" (25cm)			1 No (Each)	

1	2	3	4	5	6	7
b	13.00 Nos. (Thirteen Numbers only)	English Letter Size 15" (37cm)			1 No (Each)	
c	11.00 Nos. (Eleven Numbers only)	Tamil Letter Size 10" (25cm)			1 No (Each)	
d	10.00 Nos. (Ten Numbers only)	Tamil Letter Size 20 cm			1 No (Each)	
e	1.00 No. (One Number only)	Emblem (15 ")			1 No (Each)	
85	12.00 Nos. (Twelve Numbers only)	Supply and fixing of stored pressure ABC (Mono Ammonium Phospate) Powder Type Fire Extinguisher of 6 kg. capacity as per IS:15683 with pressure gauge, discharge hose & control nozzle, wall mounting bracket, safety clip etc., including conveyance, all incidental charges, neccessary scaffolding and re-doing the dismantled portions to its oriUPVCnal condition wherever found neccessary etc, complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT (358)			1 No (Each)	
86	12.00 Nos. (Twelve Numbers only)	Supply and fixing of Carbon-di-Oxide Gas Type 2 kg. capacity Fire Extinguisher as per New IS15683, complete with control valve, discharge hose with horn, wall mounting bracket, safety clip etc., including conveyance, all incidental charges, neccessary scaffolding and re-doing the dismantled portions to its oriUPVCnal condition wherever found neccessary etc., complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT (359)			1 No (Each)	

1	2	3	4	5	6	7
87	65.00 sq.m (Sixty five square metres only)	Supplying and fixing of New glass pieces on the top of the compound wall copying with a surface area of 0.30m ² with CM1:3-20mm thick including fixing broken glass pieces with necessary scaffolding finishing and curing etc., complete with standard specification and as direct by the departmental officer			1 sq.m. (One square metre)	
88	5000.00 ltrs. (Five thousand litres only)	Supplying and fixing of PVC cylindrical tank of following Capacity as directed etc., complete with standard specification and as direct by the departmental officer			1 ltr (One Litre)	
89	1.00 Set. (One Set only)	Supplying and erecting in position of following liters capacity Industrial Model Reverse Osmosis Water-cum-Purifier to deliver Potable Water with World Health Organisation (WHO) Standards with following accessories. (a) MS Skid - 1 No. (b) Media 11054 No. Vessel with 20 nb Multiport Valve (with Media Pubble and Fine Sand and Activated Carbon Filling) set (c) Feed Pump 0.50 HP – 1 No. (d) Vertical Pump 2-9, 2.00 HP / Single Phase – 1 No. (e) Membrane 40 x 40 filmtech (or) equilaents / Osmonic (USA) - 1 No. and Membrane Pressure Vessel 40 x 40 -1 No. & Pressure Gauge - 2 Nos.(f) Flow Meter - 1 No. 20" Filter with Housing - 1 No., Low Pressure Switch - 1 No., Level Switch - 1 No. & Necessary CPVC Pipes and Fittings.The system shall be provide with Two Panel Control System with necessary Stainless Valves and Fittings and Float Control etc. The rate should be inclusive of all civil works, wherever necessary to install the System in position and intact.			1 Set (Set)	
90		Renewing the damaged Zinc Sheet Roof using vertical post 65mm dia Circular Hallow Section upto ground level & above ground level fixing top is covered with 10 gauge ms sheet of size 15x15cm and provide a hole 12 mm dia bold is tied with two side pipe and Rafter using 50x50mm Square Tube and top purlin used with 40x40mm Square Tube and tied with bold and nuts etc., complete complying with standard specification and as direct by the departmental officer				

1	2	3	4	5	6	7
a	70.00 RM (Seventy running metres only)	65x5mm CHS			1 RM. (One running metre)	
b	85.00 RM (Eighty five running metres only)	50x50x3.20mm Square Tube			1 RM. (One running metre)	
c	221.00 RM (Two hundred and twenty one running metres only)	40x40x3.20mm Square Tube			1 RM. (One running metre)	
91	125.00 sq.m (One hundred and twenty five square metres only)	Supplying and fixing ZInc sheet roofing with 1.60mm thick Zinc sheets of fully corrugated of approved quality by drilling holes (and not by punching) with necessary 'J' / 'U' bolts and nuts of 8mm dia of suitable length and providing one set of bitumen washers of 25mm dia and 1.60mm thick for each bolt including protruding portion of bolts in roof shall be covered with bitumen compound etc., complete complying with standard specification and as directed.			1 sq.m. (One square metre)	
92	2.00 Nos. (Two Numbers only)	Supplying and fixing of Incinator for Ladies Bathrooms			1 No (Each)	

1	2	3	4	5	6	7
93	12.00 Sets. (Twelve Sets only)	Supplying and fixing in position of teak wood cot of size 2.00 m X 1.80 m of approved design and colour of good quality. A ply wood water proof anti termite 19mm thick panel shall be fixed in head position of the cot of size 3.00m X 1.20m and teak wood table of approved design shall be provided etc complete and as directed by the departmental officers			1 Set (Set)	
94	12.00 Nos. (Twelve Numbers only)	Supplying and fixing in position of bed of size 2.00 m X 1.80 m of approved design and colour of good quality etc complete and as directed by the departmental officers			1 No (Each)	
95	12.00 Nos. (Twelve Numbers only)	Supplying and fixing in position of dressing table arrangements of width 1.80m X 1.30 m using 19 mm thick ply wood and good quality mirror of size 0.90 m X 1.30 m with drawer arrangements of approved design and colour of good quality etc complete and as directed by the departmental officers			1 No (Each)	
96	8.00 Sets. (Eight Sets only)	Supplying and fixing in position of sofa set (3 seater + 2 sinlge seater) of good quality and approved deisgn / colour with teapoy of approved design and colour etc complete and as directed by the departmental officers			1 Set (Set)	
97	4.00 Sets. (Four Sets only)	Supplying and fixing in position of cane furnitue set (2numbers) with tea of good quality and approved deisgn / colour etc complete and as directed by the departmental officers			1 Set (Set)	
98	7.00 Sets. (Seven Sets only)	Supplying and fixing in position of teak wood dining table of size 2.40m X 0.90 m with 6 seater (cushion seating) of good quality and approved deisgn / colour etc complete and as directed by the departmental officers			1 Set (Set)	

1	2	3	4	5	6	7
99	8.00 Sets. (Eight Sets only)	supplying and fixing in position of pantry round table of size 5 ' dia with three seater (cushion seating).the top of the table is made of bothside prelaminate particle board of 25mm thick and other vertical support members andhorizontal cum centre run board is made of both side prelaminate particle board of 18mm thick. The members are connetced using clamps and screws tc complete and as directed by the departmental officers.			1 Set (Set)	
100	1.00 No. (One Number only)	supplying and fixing in position of reception table of size 7' X 2.50 'X 2.50 ' with counter top glass . The top is made of bothside prelaminate particle board of 25mm thick and other vertical support members and horizontal cum centre run board is made of both side prelaminate particle board of 18mm thick. The members are connetced using clamps and screws. Necessary provisions such hole etc for electrical cable manager accesseries shall be provided etc complete and as directed by the departmental officers.			1 No (Each)	
101	1.00 No. (One Number only)	supplying and fixing in position of wooden meeting hall table of size 10' X 3' X 2.50' with teak finish and polished Necessary provisions such hole etc for electrical cable manager accesseries shall be provided etc complete and as directed by the departmental officers.			1 No (Each)	
102	93.00 Nos. (Ninety three Numbers only)	supplying and fixing in position of executve medium back chair with SS frame etc complete and as directed by the departmental officers.			1 No (Each)	

ADD GST 12%

// Total Number of Items One hundred and two Only//