

Buildings (C & M) Circle,

P.W.D

Madurai

SCHEDULE - A

Name of Work: Construction of own building for the Regional Transport Office, Madurai (South) at Melakuilkudi village Nagamalai Pudukottai in Madurai District

Sl. No	Quantity	Description	TNBP No.	Rate		Unit	Amount
1	2	3	4		5	6	7
1	647.00 m ³ (Six hundred and forty seven cubic metres only)	Earth work Excavation for foundation in all soils and sub soils and to full depth as may be directed except rock requiring blasting inclusive of shoring, strutting and baling- out of water wherever necessary, re-filling the sides of foundation with excavated earth in layers of 15cm thick well rammed and compacted, depositing the surplus earth within the compound in places shown by the Departmental Officers with an initial lead of 10 meters and lift of 2 meters lift etc., complete with standard specifications.	23,24				
2	434.00 m ³ (Four hundred and thirty four cubic metres only)	Earth work open excavation in all soils and sub soil and to full depth as may be directed except in hard rock requiring blasting but including shoring, strutting and balling out water wherever necessary and depositing the surplus earth within the compound with an initial lead of 10 metres and lift of 2 metres in places shown by the departmental officers clearing, leveling the site etc., complete complying with standard specification.	23,24				

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1	2	3	4	5	6	7
3	16.00 m ³ (Sixteen cubic metres only)	Supplying and filling in foundation, basement, etc with filling M.Sandin layers of not more than 15 cm thick well watered, Without consolidation etc. complete complying with standard specification and as directed by the departmental officers.				
4	354.00 m ³ (Three hundred and fifty four cubic metres only)	Supplying and filling in foundation, basement, with Conveyed earth of 10KMMR 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.	25			
5	178.00 m ³ (One hundred seventy eight cubic metres only)	Refilling with excavated earth other than M.Sandwith 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				

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1	2	3	4	5	6	7
6	123.00 m ³ (One hundred and twenty three cubic metres only)	Supplying and filling in foundation, basement, etc with filling stone dust 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.				
7	73.00 m ³ (Seventy three cubic metres only)	Plain cement concrete 1:5:10 (one cement, five M.Sand and ten broken stone) using hard broken granite stone jelly 40mm gauge for d foundation including dewatering if found necessary and laid in layers of not more than 15cm thick in the case of foundation etc. complete complying with standard specification				
8		Brick work in cement mortar 1:6 (one cement and six M.sand) using Country bricks 8-3/4" x 4-1/4" x 2-3/4 for the following items including curing etc., complete complying with standard specification.	31 & similar to 31C, V, VI (S5) Vii			

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a 123.00 m³ Foundation and Basement
(One hundred and
twenty three cubic
metres only)

b 132.00 m³ In Ground floor
(One hundred and
thirty two cubic metres
only)

c 105.00 m³ In First Floor
(One hundred and five
cubic metres only)

d 12.00 m³ Second Floor
(Twelve cubic metres
only)

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9		Brick work in following Cement Mortar using best quality of country bricks of size 8-3/4" x 4-1/4" x 2-3/4" in cement mortar 1:5 (one cement and five M.sand)for foundation and basement including curing, etc., complete complying with standard specification.	31 & similar to 31C, V, VI (S5) Vii			
a	85.00 m ³ (Eighty five cubic metres only)	In Foundation and Basement				
10	369.00 m ² (Three hundred and sixty nine square metres only)	Supplying and erecting steel centering for sides and soffits including supports for plain surfaces for reinforced cement concrete work such as column footing, plinth beam, grade beams , staircase steps, pedestals, bed block covers etc., using mild steel sheets of size 90mm x 60mm of B.G.10 stiffened with welded mild steel angles of size 25 mm x 25 mm x 3 mm boarding laid over silver oak (or) country wood joists of size 10 cm x 6.5 cm spaced at about 90 cm centre to centre and supported by casuarinas props of 10cm to 13 cm dia spaced at 75 cm centre to centre at suitable intervals etc., complete complying standard specifications	30, 44H			

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1	2	3	4	5	6	7
11		Supplying and erecting centering for sides and soffits including supports and strutting upto 3.29m high for plain surfaces such as RCC slab, beams, TEE or Ell beams, Lintels staircase beams etc., with all cross bearings using mild steel sheets of size 90mm x 60mm of B.G.10 stiffened with welded mild steel angles of size 25 mm x 25 mm x 3 mm boarding laid over silver oak (or) country wood joists of size 10 cm x 6.5 cm spaced at about 90 cm centre to centre and supported by casuarinas props of 10cm to 13 cm dia spaced at 75 cm centre to centre at suitable interval. etc., complete complying standard specifications.	30, 44H			
a	1641.00 m ² (One thousand six hundred and forty one square metres only)	Centering for RCC floor slab, roof slab, rectangular, square Tee or Ell beam, lintel, bed block staircase waist slab, landing slab, landing beam, portico beam, portico slab, etc.				
b)	377.00 m ² (Three hundred and seventy seven square metres only)	For plane surfaces such as vertical slab, side slabs of boxing, vertical drops, facia, vertical wall, etc.				

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c) 644.00 m² Centering for such as RCC square or rectangular column,
(Six hundred and forty top and bottom slab of sunshade, boxing sill slab etc.,
four square metres only)

d) 31.00 m² For circular column
(Thirty one square metres only)

12 **Providing and laying in position, standardised concrete Mix M-20 Grade** in accordance using 20mm with IS:456-2000, and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 325 kg/ms 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 (5 cu.m.) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 cu.m.) 5156 kg. of 10-12 mm machine crushed stone jelly.

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, 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).

a 257.00 m³ For Foundation and basement

(Two hundred and fifty
seven cubic metres
only)

b 141.00 m³ In Ground floor.

(One hundred and forty
one cubic metres only)

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c 97.00 m³ In first floor
(Ninety seven cubic
metres only)

d 8.00 m³ In Second Floor
(Eight cubic metres
only)

13 521.30 Qtl **Supplying, fabricating and placing in position M.S or** 86,86A,87
(Five hundred and **R.T.S reinforcements grill** for RCC works as per the
twenty one point three design given including cost of steel and G.I black binding
zero quintals only) wire etc., complete complying with standard
specification. (The contractor will have to make his own
arrangements for the supply of MS plain rod / RTS rod
and GI binding wire)

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1	2	3	4	5	6	7
14		Cement Concrete 1:3:6 (One Cement, Three M.Sand and Six broken stone jelly) using 40mm size hard broken stone jelly for dummy columns, excluding cost of centering shuttering reinforcement grills and fabrication charges but including curing etc. complete. (Reinforced Cement Concrete 1:2:4 for slab to be extended upto top of splashing with pressed tiles and future extension rods to be embedded in CC 1:3:6 (One Cement, Three M.Sand and Six hard broken stone jelly). Dummy columns should be at least 1 metre height)				
a	0.70 m ³ (Zero point seven zero cubic metres only)	Ground floor				
b	4.20 m ³ (Four point two zero cubic metres only)	First floor				

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15	57.00 m ³ (Fifty seven cubic metres only)	Cement Concrete 1:5:10 (One cement, Five M.Sand and Ten hard broken stone) using 40 mm gauge hard broken jelly for flooring including laying, consolidating, finishing, rendering the top surface rough to receive the floor, curing, etc. complete complying with standard specification. (The rate is inclusive of necessary planking for panelling wherever necessary and as directed by the departmental officers)	28			
16		Brick partition walls of 10.80cm thickness using best quality country bricks of size 8-3/4" x 4-1/4" x 2-3/4" 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)	31 & 31C			
a	4.50 m ² (Four point five zero square metres only)	Foundation and Basement				

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b 146.00 m² Ground Floor
(One hundred and forty
six square metres only)

c 130.00 m² First floor
(One hundred and
thirty square metres
only)

17 6.00 m³ **Brick Jelly Lime** Concrete using broken brick jelly of
(Six cubic metres only) size 40mm uniform gauge in pure slaked lime 1:2:5 in
depressed portion of toilet and as directed by the
departmental officers etc complete

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1	2	3	4	5	6	7
18	612.00 m ² (Six hundred and twelve square metres only)	Paving the floor with best quality double charged vetrified Tiles of size 600 x 600 x 8mm of approved colour, shade and quality laid in cement mortar 1:3 (one cement and three M.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)				
19	176.00 m ² (One hundred and seventy six 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 M.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 mathcing 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 speicification.				

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1	2	3	4	5	6	7
20	136.00 m ² (One hundred and thirty six square metres only)	Paving the floor with best approved quality fine polished Kota stone slabs of size 600 x 600 of 18 / 20mm with machine cut edges and matching marble slab not less than 100mm width other than Adanga Marbles as border laid over a cement mortar bed of 20mm thick using cement mortar 1:3 (One cement and three M.sand) fixing the slabs in true right angles with minimum possible width of joints and pointing the joints with white cement mixed with matching colouring pigments and polishing with floor polisher to a high degree of finish 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.				
21	52.00 m ² (Fifty two square metres only)	Paving the floor with Cement based Hydraulically pressed Anti skid tiles (pattern design) of 600 x 600 x 20mm thick of approved quality and colour laid in Cement Mortar 1:3 (One Cement and Three M.sand) 20mm thick and pointed with white cement mixed with colouring pigment at the rate of 0.40 Kg. / sq.m., curing, etc., complete complying with standard specification and as directed by the departmental officers. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)				

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1	2	3	4	5	6	7
22	10.00 m ² (Ten square metres only)	Paving the floor with pre-polished concrete anti-skid step tiles (Required shape and design) of 20mm thick of approved quality and colour laid in Cement Mortar 1:3 (One Cement and Three M.sand) 20mm thick and pointed with white cement mixed with colouring pigment at the rate of 0.40 Kg. / sq.m., curing, etc., complete complying with standard specification and as directed by the departmental officers. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)				
23	79.00 m ² (Seventy nine square metres only)	Flooring with Anti skid Self Designed Colour Ceramic Tiles of size 305 x 305 x 6mm ceramic tiles laid over 20 mm thick cement mortar 1:3 (One Cement and Three M. Sand) base mortar over the existing slab / floor including cutting the tiles to the required size with special cutter wherever necessary, laying in position and pointing with white cement mixed with colouring pigment at the rate of 0.3 Kg. / sq.m. etc., complete complying with standard specification. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)				

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24	267.00 m ² (Two hundred and sixty seven square metres only)	Dadoing with printed design colour glazed tiles of size 300mm x 450mm x 8mm and above in best approved quality tiles set in Cement Mortar 1:2 (One Cement and Two M.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 (Non branded) and as directed by the departmental officers.				
25	93.00 m ² (Ninety three square metres only)	Supplying and fixing fine polished cuddapah slab of 38/40mm thickness for cup-board arrangements including laying to correct alignment with necessary cement mortar and black powder etc, complete complying with standard specification and as direct by the departmental officers				
26	9.00 m ² (Nine square metres only)	Supplying and fixing in position marble slab 20 mm to 30 mm thick of 4'0" x 2'0"size and above of best quality including dismantling masonry, if necessary and re-doing the same to original condition, etc., complete complying with standard specification. (The Marble slab should be got approved by the Executive Engineer before use on works).				

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1	2	3	4	5	6	7
27	188.00 m ² (One hundred and eighty eight square metres only)	Supplying, fabricating, erecting and fixing in position of FALSE CEILING ARRANGEMENTS with Gyp-board upto a ceiling height of 4.5m from floor level including frame work using GI sections supported at suitable intervals by adjustable type 6mm dia MS rod with suitable threaded nuts suspended rods hung from ceiling at 100cm c/c in both directions and fixing following Gyp-boards in the grid and providing necessary opening for fixing electrical fittings etc., including painting with two coats of plastic emulsion paint with one coat of primer etc, complete.				
28	152.00 Rm (One hundred and fifty two running metres only)	Cornice work to false ceiling arrangements				
29	85.00 m ² (Eighty five square metres only)	Providing Wooden wall panelling by using country wood scantling of size 50x25mm at 600mm centre to centre both horizontally and vertically so as to form a 600x600mm grid and providing necessary grooves at the junction points fixed with biding materials and fixing the frame work to the wall by screws after completing the painting with one coat of wood primer. Supplying and fixing and 18mm thick water proof ply wood & venner sheet of 3 mm thick teak ply 35 mm thick. The top and bottom of wall panelling is covered with ornamental C.W beading of size 25 mm of approved design. The entire panelling is to be finished with best quality lacquer polish glazy finish by using power compressor for good appearance. (Materials and design should be got approved by the Executive Engineer before use on works). The rate is inclusive of all incidental charges including loading, unloading, transporting and scaffolding etc., Complete as directed by departmental officers.				

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30 Supplying and fixing **Teakwood frame** with scantling for doors including labour charges for Wrought and putup in possible and for fixing holdfast in frame and necessary etc., complete.

a 0.045 m³ Teak wood scantling below 2m
(Zero point zero four
five cubic metres only)

b 0.235 m³ Teak wood scantling upto above 2m
(Zero point two three
five cubic metres only)

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1	2	3	4	5	6	7
31	3.150 m ² (Three point one five zero square metres only)	Supplying and fixing teakwood panelled shutters for using teadwood fully pannelled shutters and teakwood scantling upto 4m length with 40mm thick teakwood scantling for style and 25mm thick plank for panels including cost of wind appliances and labour charges for fixing the furniture fittings in position but including cost of fittings complete complying with standard specifications.				
32		Cement Concrete 1:2:4 (One Cement, Two M.Sandand Four hard broken stone jelly) using 20 mm gauge hard broken granite stone jelly for all RCC items of works excluding cost of reinforcement grill and fabricating charges, centering and shuttering but including laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor / roof slabs wherever necessary and bearing surfaces of walls, beams etc. shall be finished smooth with Cement Mortar 1:3 (One Cement and Three M.Sand) and kraft paper laid over it without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers				
a	0.50 m ³ (Zero point five zero cubic metres only)	Foundation and Basement				

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33 Weathering course in brick jelly lime concrete using best quality broken brick jelly of size 20mm uniform gauge in pure slaked lime (no M.Sand to be used) in 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 design, slope and consolidated to the required finished thickness by beating the concrete with wooden beaters of approved pattern, keeping the surface constantly wet by sprinkling lime jaggery water, etc., complete complying with standard specification and as directed by the departmental officers.

a 19.00 m³ Ground floor
(Nineteen cubic metres only)

b 32.00 m³ First floor
(Thirty two cubic metres only)

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c 2.10 m³ Second Floor
(Two point one zero
cubic metres only)

34 650.00 m² Finishing the top of roof with one course of approved first 44 & 44H
(Six hundred and fifty quality **machine pressed tiles of size 230mm x230mm x**
square metres only) **20m thick** laid in Cement Mortar 1:3 (One Cement and
Three M.Sand) 12mm thick mixed with water proofing
compound conforming IS as approved by the departmental
officer at 2% by weight of cement used and the joints
pointed neatly to full depth of tiles with the same cement
mortar mixed with red oxide and water proofing with
standard specification and as directed by departmental
officers.

35 94.50 Rm Supplying and fixing in position best approved of BIS Similar to 98 &
(Ninety four point five quality **PVC rain water down fall pipes** having a pressure 99
zero running metres of 4 kg. / sq.cm including cost of necessary PVC shoe, PVC
only) 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. **110 mm Dia**

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1	2	3	4	5	6	7
36	2179.00 m ² (Two thousand one hundred and seventy nine square metres only)	Special ceiling plastering and finishing the exposed surface of RCC items of work such as slab, beam, sunshade, staircase waist slab, landing slab etc., with cement mortar 1:3 (one cement and three P.sand) 10mm thick including hacking the surfaces and providing cement mortar nosing, beading for sunshade, staircase step, landing slab neat and finishing and curing etc., complete.	56 & 57			
37	3840.00 m ² (Three thousand eight hundred and forty square metres only)	Plastering with cement mortar 1:5 (one cement and five sand) 12mm thick in all floors are including finishing neatly curing etc., complete complying with standard specification.	56 & 57			
38	114.00 m ² (One hundred and fourteen square metres only)	Plastering with Cement Mortar 1:3 (One Cement and Three P.Sand) 12mm 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.	56 & 57			

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1	2	3	4	5	6	7
39	63.00 m ² (Sixty three 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 900 mm 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 intermediate 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				
40	30.00 m ² (Thirty square metres only)	Designing the Semi Unitised Structural Glazing System with open groove joint as per design intent, preparation of shop drawings for approval, supply, fabricate, erect as per approved shop drawings at all floor levels and all floor heights including conducting field test as per the test criteria set out in the particular specification (Methodology should be got approved by the Dept. Officials.) Design the framing system (i.e. male & Female frame) to support vision panels, spandrel panels either with glass or aluminium composite panel, openable, window panels on a continuous framing supported between floors. Also design the split framing unutilized glazing system in case of strip or punched windows with vision panel proposed with either insulated / Monolithic glass, groove width in the system both in horizontal and vertical shall not be more than 20mm. Glazing of panel shall be done only at factory at the controlled atmosphere				

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1	2	3	4	5	6	7
41	6.00 Rm (Six running metres only)	Supplying and fixing GI pipe handrails for handicapped persons using 50mm dia GI pipe double handrail at a height of 800mm and 900mm from floor level with 25mm thick MS square rods as balusters embedded in the concrete and welded with pipe at 60cm centre to centre as shown in CA Job No. 9123 / 1 including cutting, welding, bending and fixing charges and applying one coat of red oxide primer for MS members as directed by the departmental officers				
42		Manufacturing, supplying and fixing Precast Reinforced Cement Concrete slabs of following thickness in RCC 1:2:4 (one cement, two M.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 by the departmental officers				
a	9.00 m ² (Nine square metres only)	50mm thick precast slab using 20mm HBGS jelly				

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b	11.00 m ² (Eleven square metres only)	75mm thick				
43	95.00 m ² (Ninety five square metres only)	Manufacturing, supplying and fixing in position plain cement concrete precast pavement slab of size 450mm x 450mm of 50mm thick in Cement Concrete 1:2:4 (One cement, Two M.Sand and Four jelly) using 20mm HBG stone jelly including cost of moulding charges, casting of slab, finishing, curing, fixing and pointing the slab with CM 1:3 (One Cement and Three Sand) to full depth of slab etc., complete complying with standard specification and as directed				
44	181.00 m ² (One hundred and eighty one square metres only)	Supplying and laying TAMIN paverblock of 80mm thick approved design by the laying interlocking In designed pattern,alignment and slope. The gap between the interlocking block should be filled with stone dust layer and well compacted using 3Ton capacity compactor with required gradient .The cost is inclusive of interlocking paverblock ,loading, transportation to the work site,unloading and all labour charges for fixing using earth rammer compactor of 3Ton capacity machine and also including cost of hire and fuel charge of compactor, lumpsum charges for handling ,laying the block in position,alignment slope and all other incidental charges etc complete (except cost of stone dust layer) complying with standard specification and as directed by the departmental officers.				

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45 Fabricating Spplying and fixing in position of aluminium anodised natural colour matt finish half panelled with 12mm thick bothside prelaminated partile board at bottom and half glazed using 5.50mm thick Plain glass at top. The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319 kg/m and Shutter frame made of section bottom rail 100x44.45x2.50mm @ 1.974 kg/m,Top&Vertical rail : 50x44.45x2.50mm @ 1.292kg/m,Lock rail: 50x44.45x2.50mm @ 1.292kg/m, Alu.clips:17.15x17.27x1.50mm @ 0.176kg / m, Aluminium Handle : 100x30mm @ 0.988kg/m and necessary accessories such as aluminium clips, rubber beading, PVC felt, handle for a length of shutter (both sides), locking arrangements, furniture fittings such as aluminium tower bolts-250x12mm - 2 Nos., aluminium tower bolt 200x12mm - 1No., aluminium Hydraulic door closser - 2Nos ., lock-1No., Door stopper with

rubber bush as per BIS standards including cost of all materials, labour charges and power consumption charges required for fabrication including chipping dismantling and making holes to the required extent in RCC in column/beam/masonry with power drill wherever neccessary and redoing the damaged portion to the original condition after fixing etc. complete. Alu. Section are to be anodised with matt finish under electricaly controlled condition in accordance with IS 1868/1962 for an average anodic film thickness of 15 microns etc., complete.Aluminium sections,and furniture fittings shall be got approved by the Executive Engineer incharge.

Contractor :

No.of corrections:
No.of over writtings:

Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
a	16.80 m ² (Sixteen point eight zero square metres only)	Single leaf(1.00x2.10m)				
46	55.00 Rm (Fifty five running metres only)	Supplying, fabricating and fixing in position of steel frame without bottom frame, of size 100X60mm rectangular section with necessary rebate 30mmX15mm, to host the shutter,using 1.25mm thick (18 guage) CRCA cold rolled frame steel plate confirming to ISI specified ensured of right butt joint riveted hold assembly with nylon insert,not be welded with special purpose hard ware.Proclaimed including phopating as per ISI with rust preventive primer ready to assemble condition for easy installation at site including dismantling,making necessary chipping and holes in RCC columns, walls with power drills to the extent required ,including providing concrete 1:2:4 inside the box curing etc complete.The cost includes the cost of hold fast ,plastic bush, insert receiver,rubber bottom,shock absorber etc complete as directed by the departmental officers in all floors.				

Contractor :

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Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
47		<p>Supplying and fixing door shutters for Medium Density Fibre board of exterior grade, Both side Pre laminated including external lipping with Kiln dried soft wood of 35mm thick conforming to IS 12406 / 1989 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 with thinner colouring agent etc.</p> <p>The rate includes cost of materials and cost for aluminium furniture fittings such as 3 nos Alu. hinges 125mm, 1 no Alu. aldrip 250 x 16mm, 1no Alu. tower bolt of 200x12mm and 1 no Alu. tower bolt of 150x12mm, 2 Nos Alu. Handles, 1 no door stopper with rubber bush incase of Single leaf door inclusive of labour charges for fixing in position etc., complete. 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.</p>				
a	19.00 m ² (Nineteen square metres only)	Double leaves				

Contractor :

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Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
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b8.50 m²

Single leaf

(Eight point five zero
square metres only)

- 48** 2.10 m² Supplying and fixing PVC sliding door for Differently
(Two point one zero Abled persons toilet in with Solid PVC door shutters
square metres only) using 19 Gauge 19mm MS square tubes for styles and
outer frames, 15mm MS square tubes for top, lock and
bottom rails. The steel tubes shall be covered with 5mm
thick solid PVC sheets. Shutter using 5mm thick solid
PVC sheets for panelling shall rigidly fixed in position
including necessary furniture and fittings. The over all
size of styles shall be 50mm x 30mm. The over all size
of top rail, Lock rail and bottom rail shall be 75mm x
30mm. The over all size of frames shall be 50mm x
45mm, with suitable rabate for housing the shutter
including slidng arrangements.

Contractor :

No.of corrections:
No.of over writtings:

Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
49		Fabrication supply and fixing in position of Solid Panel PVC Door with frames of different sizes as per the specifications given below. Solid PVC Door shutters using 19 guage 19mm MS sq. tubes for styles and outer frames. 15mm MS sq. tubes for top, lock and bottom rails. The steel tubes shall be covered with 5mm thick solid PVC sheets shutter using 5mm thick solid PVC sheets for panelling shall rigidy fixed in position including necessary furnitre fittings. The overall size of top rail, Lock rail and bottom rail shall be 75mm x 30mm. The overall size of frames shall be 50mmx45mm with suitable rebate for housing the shutter with necessary holdfasts, rubber beadings, locking arrangements etc.,				
a	31.10 m ² (Thirty one point one zero square metres only)	Supplying and fixing Solid PVC door with frame				

Contractor :

No.of corrections:
No.of over writtings:

Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
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50 Manufacturing supplying and fixing of steel door with the following specification MS angels of size 40x40x6mm are used for the outer frames and M.S. angles of size 35x35x6mm for the shutter frames stiffeners with 32 x 6mm M.S flat is provided at required intervals in the shutter frame. 18-gauge C.R. sheet laid as panel in the shutter and welded intact. M.S. flat 18x5mm is welded over the 32 x 6mm M.S. flat sandwiching the C.R. sheet in between additional stiffeners with 18x5mm M.S. flat is provided diagonally at the rear side of the shutter, 3nos. of hinges in case of single leaf and 6nos. of hinges in double leaves shutter to be provided 6nos. of holdfasts 120 mm in length made of angle section spliced at the ends are welded to the outer frames of the door. Tower bolts 2nos. one at the top and the other at the bottom are provided 1no.

a 3.20 m² Double leaves(1.50 x2.10m)

(Three point two zero square metres only)

b 6.30 m² Single leaf (1.00x2.10m)

(Six point three zero square metres only)

Contractor :

No.of corrections:
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Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
51	154.00 m ² (One hundred and fifty four square metres only)	<p>Pre-painted Galvanized Iron Windows (Air Tight Model) with Grill and Glass:</p> <p>Providing and fixing Ajanta Cave Model Window fabricated from roll formed sections made of galvanized steel colour coated / powder coated (Base steel as per IS 513 'D' quality, galvanized as per IS 277 with zinc of 120 grams / sqm.) with total coated thickness of 0.60mm.</p> <p>Paint specification: Coated sections should be with primer coat of epoxy primer of 5-7 microns thick finish paintd with a polyester paint of 12-16 microns thick and back coated with alkyd backer of 5-7 microns.</p> <p>Dimensions of sections: Sections for shutter should be of 46 x 46mm and external frame should be of 46 x 52mm. Section for glass beading should be of 18 x 25mm and centre mullion should be of 46 x 70mm.</p> <p>Fixing details: The frame and shutter sections should be cut to length and mitre joined with corner bracket made of CRCA electro plated. Mullion section should be joined with frame / mullion using nylon mullion cap. Ethyl Propylene Diamine Monomer (EPDM) Gasket should be used all around glass in shutter between frame and glazed shutter and both sides of fixed glass.....</p> <p>Accessories: Handle made of high grade aluminium powder coated and with nylon receiver. Gaskets made of Ethyl Propylene Diamine Monomer (EPDM). Corner brackets made of CRCA with zinc phosphating. Mullion caps made of glass filled nylon.</p>				

Contractor :

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Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
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Glass: Glass shutter and fixing glass portion should be provided with a glass of 5mm plain float glass.

Grill: Windows should be provided with grill made of 10mm square MS bars welded to 12mm x 5mm flat at 4" intervals. Total grill unit should be power coated and fixed to window frame with screws.

The above frame should be fixed to brick / concrete masonry by using nylon self-expanding caps and driving MS electro plated 80mm long screws into the caps through frames.

52	14.00 m ² (Fourteen square metres only)	<p>UPVC Ventilator</p> <p>Specification:</p> <p>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</p>
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Contractor :

No.of corrections:
No.of over writings:

Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
53	6.50 m ² (Six point five zero square metres only)	Supplying, fabricating and fixing in position of Aluminium Natural Colour Mat finish Fixed Glazing the glass used shall be of 5 mm thickness. The Aluminium Section are to be anodised under electrically controlled condition as per IS 1868/1962 for an anodic film thickness of 15 microns. All the materials should be got approved by got approved by the Executive Engineer before execution of works.				
54	118.00 m ² (One hundred and eighteen square metres only)	Fabricating Supplying and fixing in position of Aluminium anodised natural colour matt finish 1/3rd fixed glazing 2/3rd prelamated board of Aluminium partition of size 2.70 mx 2.10 m. The outer frames Outer frame: 63.50x38x3mm@ 1.72 kg/m, Centre mullions: 63.50x38x3mm@ 1.55 kg/m, Alu. Clips: 17.27x17.15x1.50mm @ 0.175kg/mg/m for intermediate vertical mullion 90cm c/c. Horizontal mullion at 1.00m 2.10m covered with 4 mm thick plain glass with necessary aluminium clips of size 17.27x17.15 x1.50mm @ 0.176kg/m and with required rubber beading etc., including necessary dismantling holes in RCC column, masonry wherever in necessary with power drills to the extent required and made good the damaged portion in good condition after fixing as directed by the departmental officers. All the aluminium sections should be anodised not less than 15 microns as ISI specification 1868/1962 / and should be got approved by Executive Engineer before use.				

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Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
55	1830.00 kg (One thousand eight hundred and thirty kilo grams only)	supplying and fixing MS grills for doors, windows and ventilators of approved design and as directed by the departmental officers including cost of ms grills labour charges and cost of one of red oxide primer coat etc., complete complying with std. specification.				
56	18.00 m ² (Eighteen square metres only)	Supplying and fixing asbestos cement sheets of fully corrugated (grey colour) of 6 mm thick 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.				

Contractor :

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Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
57	6.00 Nos. (Six numbers only)	Supplying and fixing in position Indian Water Closet (Oriya type) of size 580 x 440mm colour glazed earthen ware of approved quality and brand with "P" or "S" trap conforming to BIS with M.Sandcushion and forming flooring around the closet using 40mm broken brick jelly in lime concrete 1:2:5 (One lime, Two M.Sand and Five brick jelly) 100mm thick and finishing the top to the required slope and including giving necessary connection to CI soil pipes (including the cost of 100mm dia CI 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).				
58	7.00 Nos. (Seven 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 PVC 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				

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Buildings (C & M) Circle, Madurai-2.

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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 wiht all accessories should be got approved by the Executive Engineer before use on works)

- 59** 7.00 Nos. Supply and fixing in position of best Indian make white / colour glazed earthenware **lipped mouth flat back urinal** of best quality and approved make of size 430mm x 260mm x 350mm with GI pipe, 32mm dia bell mouth PVC connection and waste pipe, 15mm dia GI pipe of required length, 15mm dia GM wheel valve, 15mm dia brass nipple 2 Nos., and fixing the urinals in position with necessary TW plugs, clamps, screws, etc., including dismantling masnory and re-doing the same to the original condition, etc., including painting the pipe with two coats of best quality approved synthetic enamel paint over one coat of red oxide primer and checked without any leakage etc. complete complying with standard specifications and as directed by the departmental officers. (The urinal should be got approved by the Executive Engineer before use on works.)
- (Seven numbers only)

Contractor :

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Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
60	10.00 Nos. (Ten numbers only)	<p>Supplying and fixing in position best quality and approved make Indian made white glazed earthenware wash hand basin With out Pedestal of size 550 x 400mm with a pair of cast iron brackets, including cost 15mm dia brass CP pillar tap, 32mm dia "B" class GI waste pipe with rubber plug and chain, 15mm dia GM wheel valve, 15mm brass nipple, 15mm dia nylon connection, 32mm dia CP brass waste coupling including fixing of wash basin using CI brackets on to the wall in position with TW plugs and screws, rubber washers, white lead and giving necessary water supply connection and painting the brackets with two coat of painting over a priming coat of anti-corrosive paint including testing for leakages etc., complete complying with standard specification and as directed by the departmental officers. (The wash hand basin and specials should be got approved by the Executive Engineer before use on works).</p>				
61	8.00 Nos. (Eight numbers only)	<p>Supplying and fixing in position indian make bevelled edge mirror of approved quality and brand of size 600x450x5.5mm PVC shelf type frame in necessary ply wood baking, urbber buttons, brass CP screws T.W. plugs etc complete complying in standard specification and as directed by the departmental officers (The minor should be got approved by the Executive Engineer before use on)</p>				

Contractor :

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Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
62	8.00 Nos. (Eight 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).				
63	8.00 Nos. (Eight numbers only)	Supplying and fixing in position best approved quality Aluminum C.P. brass soap tray of size 150x150mm including cost of teak wood plugs, brass screws, etc., complete complying with standard specification and as directed by the departmental officers.				
64	13.00 Nos. (Thirteen numbers only)	Supplying and fixing position PVC 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 M.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)				

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1	2	3	4	5	6	7
65	1110.00 m ² (One thousand one hundred and ten square metres only)	White washing three coats with freshly burnt white shell lime in all floors including cost of lime, blue powder fevicol type gum, brushes, scaffolding charges, etc., complete complying with standard specification and as directed by the departmental officers.				
66	1965.00 m ² (One thousand nine hundred and sixty five square metres only)	Painting two coats of newly plastered wall surface with ready mixed plastic Interior 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.				
67	1430.00 m ² (One thousand four hundred and thirty square metres only)	Painting two coats of newly plastered wall surface with ready mixed plastic Exterior 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.				

Contractor :

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1	2	3	4	5	6	7
68	310.00 m ² (Three hundred and ten square metres only)	Supplying and painting the walls with two coats of cement paint over one coat of cement primer as instructed by the departmental officers including preparation of surface curing, etc., complete in all floors complying with standard specifications (The colour and shade of the cement paint shall be got approved by the Executive Engineer before use of work).				
69	93.00 m ² (Ninety three square metres only)	Painting new iron works such as steel doors,windows,ventilators>window bars,balustrates 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. The rate is inclusive of all materials,brushes and scaffolding charges etc., complete complying with standard specification. (The make, quality and colour of Paint should be got approved by the Executive Engineer before use on work)				
70	13.00 m ² (Thirteen square metres only)	Supplying and erecting pull and push type rolling shutter with ISI make of approved size and section using 18 GI sheet. The shutter shall be painted with one coat of red oxide primer and the rate is inclusive of hood covers, transportation charges etc., ROLLING SHUTTERS (WITH ISI MONOGRAM)Manually operated (up to 8 m2 area)				

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Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
71	587.00 m ² (Five hundred and eighty seven square metres only)	Providing pre construction anti termite treatment for the building work at different stages as furnished below conforming to IS 6313 (part II) ,2001etc complete and as directed by the departmental officer. Chloropyriphos 1%(by weight) in aqueous emulsion will be used to carryout the work.				
72		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				

Contractor :

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Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
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a 122.00 Rm 110mm dia PVC soil pipe

(One hundred and
twenty two running
metres only)

b 35.00 Rm 75 mm dia PVC soil pipe

(Thirty five running
metres only)

73 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).

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Buildings (C & M) Circle, Madurai-2.

1	2	3	4		5	6	7
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a 4.00 Nos. 110mm dia PVC TEE
(Four numbers only)

b 4.00 Nos. 75mm dia PVC TEE
(Four numbers only)

c 8.00 Nos. 110mm dia PVC Bend with door
(Eight numbers only)

Contractor :

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Buildings (C & M) Circle, Madurai-2.

1	2	3	4		5	6	7
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d 5.00 Nos. 75mm dia PVC Bend with door
(Five numbers only)

e 5.00 Nos. 110mm dia PVC plain bend
(Five numbers only)

f 5.00 Nos. 75mm dia PVC plain bend
(Five numbers only)

74 39.00 m³ Supplying and filling following sizes of **ISS 40 mm**
(Thirty nine cubic **metal** for filtration pits and percolation pits
metres only)

Contractor :

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Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
75	28.00 m ³ (Twenty eight cubic metres only)	Supplying and filling following sizes of ISS 20 mm metal for filtration pits and percolation pits				
76	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				
77	2.00 Nos. (Two numbers only)	Supplying and fixing in position 100mm dia stoneware tee of approved best quality and provding leak proof joints with cement, spun yarn, etc., including dismantling the brick work and re-doing the dismantled portion to the original condition, etc., complete complying with standard specifications (The stoneware tee shall be got approved by the Executive Engineer before use on work)				

Contractor :

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Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
78	10.00 RM (Ten running metres only)	Supplying, laying and jointing glazed stoneware pipes of 100mm 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 M.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.				
79	243.00 RM (Two hundred and forty three running metres only)	Drilling of bore well 150mm dia including transportation of rig from one place to another place within the strata in hard rock etc , using contractors rig , fule, labour,drilling, at the site shown by the department officer including constructor of mud pit. the rate is inclusive of erection charges of pipes into bore well a)Vertical Bore in hard rock				
80	30.00 Nos. (Thirty numbers only)	Supplying and inserting PVC casing pipe (160mm) of approved quality and variety without slot to standard length of 6 metre suitable for 7” borewell including jointing the casting pipe in the PVC couplers with solvent materials in the drilled bores to the required depth confirming to pressure as per IS 4985 the rate is inclusive of all taxes labour charges for insert icing the PVC Pipes as directed by the departmental officers completer complying with standard specification. The PVC Pipe should be got approved by the departmental officers before use on work.				

Contractor :

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No.of over writtings:

Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4		5	6	7
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81 Supplying and fixing HDPE pipe of approved quality following dia water line for bore well suction, delivery pipe etc., complete.

a 232.00 RM 32mm HDPE Hose
(Two hundred and thirty two running metres only)

b 232.00 RM 20mm HDPE Hose
(Two hundred and thirty two running metres only)

Contractor :

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Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
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82 Supplying, laying and jointing CPVC (chlorinated Poly vinyl chloride) pipe(Higher pressure rating with higher pipe thickness) Standard Dimension Ratio- 11)of approved quality and best variety conforming to BIS of the following dia including cutting, threading and fixing CPVC specials using SOLVENT OF 118ML (but excluding cost of such specials) and fixing into wall with teak wood plugs, CPVC 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 CPVC pipes shall be got approved by Executive Engineer before use on works.

External water supply - Below GL

a 89.00 RM 32mm dia CPVC
(Eighty nine running metres only)

b 30.00 RM 25mm dia CPVC
(Thirty running metres only)

Contractor :

No.of corrections:
No.of over writings:

Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
83		Supplying, laying and jointing CPVC (chlorinated Poly vinyl chloride) pipe(Higher pressure rating with higher pipe thickness) Standard Dimension Ratio- 11)of approved quality and best variety conforming to BIS of the following dia including cutting, threading and fixing CPVC specials using SOLVENT OF 118ML (but excluding cost of such specials) and fixing into wall with teak wood plugs, CPVC 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 CPVC pipes shall be got approved by Executive Engineer before use on works.				
		External water supply - Above GL				
a	58.00 RM (Fifty eight running metres only)	32mm dia CPVC				

Contractor :

No.of corrections:
No.of over writings:

Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
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84 Supplying, laying and jointing CPVC (chlorinated Poly vinyl chloride) pipe(Higher pressure rating with higher pipe thickness) Standard Dimension Ratio- 11)of approved quality and best variety conforming to BIS of the following dia including cutting, threading and fixing CPVC specials using SOLVENT OF 118ML (but excluding cost of such specials) and fixing into wall with teak wood plugs, CPVC 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 CPVC pipes shall be got approved by Executive Engineer before use on works.

Internal-Above Ground Level

a 112.00 Nos. 25 mm dia
(One hundred and twelve numbers only)

Contractor :

No.of corrections:
No.of over writings:

Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
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85

CPVC Specials**ELBOW**

a 8.00 Nos. 32mm dia elbow
(Eight numbers only)

b 20.00 Nos. 25mm dia elbow
(Twenty numbers only)

Reducer

a 16.00 Nos. 32x25 cpvc reducer
(Sixteen numbers only)

Contractor :

No.of corrections:
No.of over writings:

Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4		5	6	7
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b 28.00 Nos. 25x20 cpvc reducer
(Twenty eight numbers
only)

c 28.00 Nos. 20x15 cpvc reducer
(Twenty eight numbers
only)

CPVC ball valve

a 2.00 Nos. 25 mm dia
(Two numbers only)

b 2.00 Nos. 20 mm dia
(Two numbers only)

Contractor :

No.of corrections:
No.of over writings:

Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
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CPVC union

a 12.00 Nos. 32mm dia
(Twelve numbers only)

b 12.00 Nos. 25mm dia
(Twelve numbers only)

86 1.00 No.
(One number only) Supplying and erecting of approved make 2.00HP of submersible motor confirming to ISI make with necessary flanges and all other accessories including supplying and fixing MS fabricated wall mounting single phase panel board with two level guard and auto start with internal wiring as per IE rules and with necessary locking arrangements with suitable DOL automatic push button starter, main switch, base plate, fuse units, indicator lamp etc., complete complying with standard specifications. The rate is inclusive of dismantling brick masonry wherever necessary for fixing the bed clamp with angle purlins etc., into the wall and redoing the dismantled portion neatly and including labour for fixing the motor in proper alignment to the section delivery line.

Contractor :

No. of corrections:
No. of over writings:

Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.

1	2	3	4	5	6	7
87	2.00 Nos. (Two numbers only)	Supplying and fixing in position of best Indian make PVC Water Tank of 1000 litres capacity conforming to ISI standards as directed by the departmental officers including cost of material and conveyance charges of material to work site etc., complete complying with standard specifications.				
88	20.00 Nos. (Twenty 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)				
89	1.00 No. (One number only)	Supplying and fixing of 40mm dia clamp for borewell etc complete				

Total Item No: (89 items only)

Sub Total

GST 12%

Total Rs.

Contractor :

No.of corrections:
No.of over writings:

Superintending Engineer, P.W.D.
Buildings (C & M) Circle, Madurai-2.