

Buildings (C & M) Circle,

P.W.D
SCHEDULE - A

Madurai

Name of Work: Construction of Field Monitoring Office and Farmers information centre building for Theni at Lakshmipuram in Theni District

Sl. No	Quantity	Description	TNBP No.	Rate	Unit	Amount
1	2	3	4	5	6	7
1	475.00 m ³ (Four hundred and seventy five 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.			1 M ³ (One cubic metre)	
2	57.00 m ³ (Fifty seven 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.			1 M ³ (One cubic metre)	

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1	2	3	4	5	6	7
3	37.00 m ³ (Thirty seven cubic metres only)	Cement Concrete 1:5:10 (One Cement, Five 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			1 M ³ (One cubic metre)	
4	77.00 m ³ (Seventy seven 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.			1 M ³ (One cubic metre)	
5	80.00 m ³ (Eighty cubic metres only)	Refilling with excavated earth other than 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			1 M ³ (One cubic metre)	

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1	2	3	4	5	6	7
6	270.00 m ³ (Two hundred and seventy cubic metres only)	Supplying and Filling the foundation basement with Conveyed earth with a lead of 5km in layers of not more than 15cm thick well rammed, watered and consolidated as directed by the depl. officers. Complete complying with standard specifications.			1 M ³ (One cubic metre)	
7		Brick work in Cement Mortar 1:6 (One cement and Six sand) using best quality of country bricks of size 8-3/4" x 4-1/4" x 2-1/4" for foundation and basement including curing, etc., complete complying with standard specification.				
a)	77.00 m ³ (Seventy seven cubic metres only)	In Foundation & Basement			1 M ³ (One cubic metre)	

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b)	80.00 m ³ (Eighty cubic metres only)	In Ground Floor			1 M ³ (One cubic metre)	
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c)	94.00 m ³ (Ninety four cubic metres only)	In First Floor			1 M ³ (One cubic metre)	
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d)	11.00 m ³ (Eleven cubic metres only)	In Second Floor			1 M ³ (One cubic metre)	
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8

Brick work in following Cement Mortar 1:5 (One cement and Five sand) using best quality of country bricks of size 8-3/4" x 4-1/4" x 2-3/4" for foundation and basement including curing, etc., complete complying with standard specification.

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a)	34.00 m ³ (Thirty four cubic metres only)	In Foundation & Basement			1 M ³ (One cubic metre)	
b)	2.10 m ³ (Two point one zero cubic metres only)	In Ground Floor			1 M ³ (One cubic metre)	
9	285.00 m ² (Two hundred and eighty five 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)			1m ² (One square metre)	

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1	2	3	4	5	6	7
10		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)				
a)	1325.00 m2 (One thousand three hundred and twenty 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.			1m ² (One square metre)	
b)	660.00 m2 (Six hundred and sixty square metres only)	For plane surfaces such as rectangular or square RCC columns, sunshades, top and bottom slab of RCC boxing, etc.			1m ² (One square metre)	

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1	2	3	4	5	6	7
c)	75.00 m ² (Seventy five square metres only)	For plane surfaces such as vertical slab, side slabs of boxing, vertical drops, facia, vertical wall, etc.			1m ² (One square metre)	

- 11 Providing and laying in position, **Standardised Concrete Mix M-20 Grade** in accordance with IS:450-2000, using 20mm and down graded hard broken granite stone jelly for all RCC Items of works with minimum cement content of 325 kg/m³ and maximum water cement ratio of 0.55, including admixture [plasticiser/super plasticiser] in recommended proportions as per IS: 1903 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] 5150 kg of 10-12mm machine crushed stone jelly and with about [4.79 cu.m] 7670 kg of 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 department over one coat of red oxide primer, dismantling the masonry and Complete Engineer before use on work

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a) 134.00 m³ In Foundation & Basement

(One hundred and thirty
four cubic metres only)

1 M³
(One cubic
metre)

b) 112.00 m³ In Ground Floor

(One hundred and twelve
cubic metres only)

1 M³
(One cubic
metre)

c) 97.00 m³ In First Floor

(Ninety seven cubic
metres only)

1 M³
(One cubic
metre)

d) 8.00 m³ In Second Floor

(Eight cubic metres only)

1 M³
(One cubic
metre)

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1	2	3	4	5	6	7
12	437.00 Qtl (Four hundred and thirty seven 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)			Qtl	
13	39.00 m ³ (Thirty seven cubic metres only)	Cement Concrete 1:5:10 (One cement, Five 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)			1 M ³ (One cubic metre)	
14		Brick Jelly Lime Concrete 1:2:5 (one Lime, two crushed stone sand (M-Sand) and five broken brick jelly 20mm) using 20mm brick jelly in Lime Mortar 1:2 laid in layers of 15cm thick well rammed, consolidated and curing etc., complete complying with standard specifications				

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1	2	3	4	5	6	7
	11.00 m ³ (Eleven cubic metres only)	In First Floor			1 M ³ (One cubic metre)	

15	34.50 m ² (Thirty four point five zero square metres only)	Providing polymer coating with specification The surface shall be cleaned to remove all dust, foreign matters, loose materials or any other deposits of contamination by rubbing with wire brush. Cracks and depression shall be filled up by fillers (cement sand mortar as per recommendation of suppliers). Prepared surface shall be thoroughly pre-wetted for one hour. Preparation of polymer modified cementitious slurry:- Dry blend and liquid blend shall be mix into the desired ratio as per recommendation of supplier. The mix shall be stirred thoroughly, until no bubbles remain in the mix. Any lump found in mix shall be removed First coat of polymer modified cementitious slurry shall be applied by brush on wet cleaned surface.Subsequently, fiber glass cloth shall be laid over first coat of polymer modified cementitious slurry.Second coat of polymer modified cementitious slurry shall be laid over fibre glass cloth.Polymer modified cementitious brush topping shall be applied over second coat of polymer modified coating.The rate inclusive of Cost of materials and Labour etc., Complete			1m ² (One square metre)	
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16	45.00 m ³ (Forty five cubic metres only)	Weathering course concrete 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 M ³ (One cubic metre)	
17	461.00 m ² (Four hundred and sixty one square metres only)	Finishing the top of roof with one course of New Machine Pressed tiles of size 230mm x 230mm x 20mm of approved quality set in Cement Mortar 1:3 (One Cement and Three Sand) 12mm thick mixed with water proofing compound conforming to ISS 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 compound including curing etc., complete complying with standard specification and as directed by the departmental officers			1m ² (One square metre)	

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1	2	3	4	5	6	7
18	85.00 Rm (Eighty five running metres only)	Supplying and fixing in position best approved of BIS quality PVC Rain Water Down Fall Pipes 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. 110mm dia PVC Pipe			1 RM. (One running metre)	
19		Providing and fixing GYP BOARD FALSE CELING and fixing with a new Gyp Board false ceiling using Plain sheet 10mm thick which includes shaped GI channels of size 25 x 25 x 0.50 mm thick suspended from ceiling at 1.2 m both longitudinal and cross vertical support and fixing shaped GI channels of size 50 x 30 x 0.50 mm and 150 x 10 x 0.50 mm thick at 0.60m centre longitudinal and cross direction for vertical supports and fixing U shaped GI channels of size 50 x 30 x 0.50 mm thick and 50 x 10 x 0.50 mm thick at 0.60 m centre to centre in cross direction and respectively for horizontal supports of zig - zag pattern and fixing of Gyp board in the panel provided in the design pattern given and sprating the standard section and as directed by the departmental officers. The rate shall be inclusive of finishing the edges and wall junctions with suitable lipping and cornice				

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1	2	3	4	5	6	7
a)	106.00 m ² (One hundred and six square metres only)	Using plain sheets (10mm thick)			1m ² (One square metre)	
b)	144.00 m ² (One hundred and forty four square metres only)	Using perforated sheets (10mm thick)			1m ² (One square metre)	
20	68.00 Rm (Sixty eight running metres only)	Providing cornice work for Gyp board False ceiling etc.,complete complying with standard specification.			1 RM. (One running metre)	

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21 **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 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)

a) 93.00 m² In Ground Floor
(Ninety three square metres only)

1m²
(One square metre)

b) 120.00 m² In First Floor
(One hundred and twenty square metres only)

1m²
(One square metre)

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1	2	3	4	5	6	7
22	2260.00 m2 (Two thousand two hundred and sixty 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.			1m ² (One square metre)	
23	1667.00 m2 (One thousand six hundred and sixty seven square metres only)	Special ceiling plastering and finishing the exposed surface of all RCC items of work such as slabs, beams, sunshades, fascia, 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.			1m ² (One square metre)	
24	110.00 m2 (One hundred and ten square metres only)	Plastering with Cement Mortar 1:3 (One Cement and Three 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.			1m ² (One square metre)	

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1	2	3	4	5	6	7
25		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.				
a)	93.00 m ² (Ninety three square metres only)	40mm thick			1m ² (One square metre)	
26	326.00 m ² (Three hundred and twenty six square metres only)	Paving the floor with best quality Double Charged Vitrified Tiles of size 600 x 600 x 8mm of approved colour, shade and quality laid in Cement Mortar 1:3 [One cement and Three] 20mm thick in all floors and the top painted with the white cement mixed same colour pigments etc., complete complying with standard specification. [The make and brand of the tiles should be johnson / Kajaria / Somany / Nitco / RAK or Equvalent which has to be got approved by the Executive Engineer before use on work]			1m ² (One square metre)	

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1	2	3	4	5	6	7
27	150.00 m ² (One hundred and fifty 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.			1m ² (One square metre)	
28	49.00 m ² (Forty nine square metres only)	Providing Leather finished granite slab of approved colour for Staircase Treads and midlanding including nosing free from all defects in all floors over a base layer of cement mortar 1:3 (one cement and three sand) 10 to 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)			1m ² (One square metre)	

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29	121.00 Rm (One hundred and twenty etc., complete complying with standard specification and one running metres only)	Labour charges for nosing of granite slab 18-20mm thick etc., complete complying with standard specification and as directed by the departmental officers.			1 RM. (One running metre)	
30	203.00 Rm (Two hundred and three running metres only)	Labour charges for grooving the granite slab 18-20mm thick etc., complete complying with standard specification and as directed by the departmental officers.			1 RM. (One running metre)	
31	113.00 m ² (One hundred and thirteen square metres only)	Paving the floor with kotta stone slab of size 600 x 600 of 18 / 20mm (un-polished) in all floors laid in of cement mortor 1:3 (one cement three 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 speicification.			1m ² (One square metre)	

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1	2	3	4	5	6	7
32	78.00 m ² (Seventy eight square metres only)	Flooring with following Ceramic tiles of size 305 x 305 x 6mm of best approved first quality and colour set in Cement Mortar 1:3 (One cement and three sand) 20mm thick and pointed with white cement mixed with colouring pigments at the rate of 0.3 Kg/sq.m neatly finished in all floors including pointing flush with colour cement even surface as directed by the department officers etc., complete complying with standard specification (The make and brand of the tiles should be got approved by the Executive Engineer before use on work). Plain Colour Ceramic Tiles			1m ² (One square metre)	
33	61.00 m ² (Sixty one square metres only)	Paving the floor with pre-polished concrete anti-skid tiles (Required shape and design) of 20mm thick of approved quality and colour laid in Cement Mortar 1:3 (One Cement and Three 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.			1m ² (One square metre)	

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1	2	3	4	5	6	7
34	260.00 m ² (Two hundred and sixty square metres only)	Dadoing walls with Colour Designed Digital Print Ceramic Tiles with borders, with size of 300 x 450 x 8mm and above set in C.M. 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 / sqm neatly in all floors, curing etc, complete 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 the Executive Engineer before use on work)			1m ² (One square metre)	
35	130.00 m ² (One hundred and thirty square metres only)	Supplying & Fixing PVC beading in wall tiles area etc., complete complying with standard specifications and as directed by the departmental officers. (The colour shade of the PVC beading should be got approved by the Executive Engineer before use on works)			1m ² (One square metre)	
36		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.				

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1	2	3	4	5	6	7
a)	33.00 m ² (Thirty three square metres only)	50mm thick slab			1m ² (One square metre)	
b)	4.00 m ² (Four square metres only)	75mm thick slab			1m ² (One square metre)	
37	64.00 m ² (Sixty four square metres only)	Supplying and fixing fine polished Cuddapah slab of following 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 directed by the departmental officers. 20 / 30mm thick			1m ² (One square metre)	

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1	2	3	4	5	6	7
38		Manufacturing supplying and fixing in position pull and push type Rolling Grill Shutter for the openings made of 20 gauge thick plate sections with 6mm polished rods, guides with out of 10/11 gauge thick plates with pressed bottom made of 3mm thick plate with inter locking arrangements of alternative clips brackets with top spring suspension shaft with high tension coils type springs made out of best quality with ball bearings of best quality including hood cover with entire locking arrangements pulling hookes handles with all fitting accessories etc., complete with 2 coats of enamel painting including one coat of red oxide primer as directed by the departmental officers etc., complete complying with standard specifications.				
	6.30 m2 (Six point three zero square metres only)	Manually operated (up to 8 m2 area)			1m ² (One square metre)	

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1	2	3	4	5	6	7
39	56.00 m2 (Fifty six square metres only)	Providing Cup-board Shutter using termite / water proof plywood of 19mm thick over which laminated sheet of 0.8mm thick fixed inside the shutter and 1mm thick fixed in the outside of the shutter using fevicol along with necessary furniture fittings, such as, hydraulic hinges, tower bolt, handles, multi purpose locks etc., as directed by the Departmental Officers. The design pattern, water proof plywood, laminate sheet and other materials should be got approved from the Executive Engineer before use on work.			1m ² (One square metre)	
40	2.00 No (Two numbers only)	Supplying and fixing of notice board of size 1.20m x 0.75m using aluminum frame of 65mm x 40mm using 1mm thick powder coated aluminum sheet. The background of board made up of 10mm thick plywood board and 8mm thick foam. The foam should be covered by the aesthetic cloth and the board front side covered by the 5mm thick plain glass sliding shutter with locking arrangements. The colour and design should be got approved by the Executive Engineer before use on works. The rate include cost of material, labour and transportation charges etc., Complete			1 No (One Number)	

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1	2	3	4	5	6	7
41	2.00 No (Two numbers only)	Supplying and fixing of Key box of size 0.60m x 0.45m x 0.10m using 18mm both side pre laminated particle board. Front side covered by the 5mm thick glass sliding door with locking arrangements. There should be 25nos of SS hooks for holding the keys inside the box. The colour and design should be got approved by the Executive engineer before the use on works. The rate include the cost of all materials labour and transportation charges etc., complete.			1 No (One Number)	
42	4.35 m ² (Four point three five square metres only)	Supplying and fixing of well seasoned Teak wood door of Ornamental frame and shutter for right side entrance door. The teak wood scantlings of size 150mm x 125mm for Door frames and for the Door shutter is using styles and rails of size 125mm x 50mm. The door frame is designed with carving and encraving works as the pattern approved by the Departmental officers incharge. The shutter frame is designed with carving and encraving works and on the both sides of the outer frame. Teak wood Ornamental paravaichakkai of 45cm width and 40mm thick with carvings has been fixed at the top of the Door and Teak wood Ornamental paravaichakkai of 45cm width and 40mm thick with carvings has been fixed on both sides of the Door frame. Teak wood shutter and door frames has been designed by using coloured brass strips as approved.			1m ² (One square metre)	

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1	2	3	4	5	6	7
43	124.00 m ² (One hundred and twenty four square metres only)	Manufacturing, supplying and fixing stainless steel(salem stainless steel) door frame (Box section using stainless steel plate of 1.60mm thick) of size 100mmx60mm with a rebate of 30/35mmx15mm on one side of the frame including supplying and fixing dovetail splayed & stainless steel hold fasts etc. complete. riveting arrangements are provided with 16X5mm Ms flats in 3 bays of length 0.6m to maintain easy collapsible of gate functioning. Hold fast in all three sides except at top provided with 25X5mm Ms flat of length 25cm at both ends and of 15cm length at bottom fixed at equal intervals at the rate of three numbers per side. The rate inclusive of cost of all materials, one coat of red oxide primer labour charges for fabrication Dismantling and redoing the masonry portion and original position and labour charges for fixing etc, complete,			1m ² (One square metre)	
44		Supplying and fixing Solid core Particle board flush shutter of nominal thick of 30/32mm with necessary T.W. internal lipping conforming to IS 2302 with both sides commercial ply 3mm thick including supplying and fixing cost of wind appliances and furniture fittings such as 1 No 20x12mm aluminium tower bolt 2 Nos 150x12mm aluminium tower bolts 1 No 250x16mm aluminium aldrops, 2 Nos 150mm 'D' type aluminium door handle and door stopper bush etc., complete as directed by the departmental officers.				

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
a)	27.00 m ² (Twenty seven square metres only)	Single Leaf Shutter			1m ² (One square metre)	
b)	23.00 m ² (Twenty three square metres only)	Double Leaf Shutter			1m ² (One square metre)	
45	19.00 m ² (Nineteen square metres only)	Supplying and fixing 30mm thick solid core PVC Door shutter with PVC frame of size 50x45mm with suitable rebate for housing the shutter (Confirming to IS 4020 with updated amendments) consisting of frame made out of MS tubes 19 gauge thickness and size of 19 x 19mm for styles and 15x15mm for top and bottom rails. M.S. frame shall be covered with 5mm thick heat moulded PVC 'C' channel of size 30 x 50mm forming styles, and 75x50mm for top rail, lock rail and bottom rail on either side and 10mm (5mm x 2) thick 20mm wide cross PVC sheet as gap insert for top rail, bottom rail. Paneling of 5mm thick PVC sheet bearing on either side and join together other side etc. An additional 5mm thick PVC strip of 20mm width is to be stack and the interior side of the 'C' channel using PVC sealant adhesive including cost of all furniture fittings etc., complete.			1m ² (One square metre)	

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
46	2.00 m ² (Two square metres only)	Supplying and fixing PVC Sliding Door for Disabled persons Toilet in with soild PVC Door Shutter using 19 gauge 19mm MS square tubes for styles and outer frames, 15mm MS square tubes for top, lock and bottom rails. The steel tube sheet be covered with 5mm thick solid PVC sheets. Shutter using 5mm thick solid PVC sheets. Shutter using 5mm thick solid PVC Sheets for panelling shall rightly 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 thick with suitable rebate for housing the shutter including sliding arrangements.			1m ² (One square metre)	
47		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 35x35x5mm 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 sandwitching 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.				

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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Tower bolts 2nos. one at the top and the other at the bottom are provided 1no. Aldrop is provided incase of double leaf door at lock rail section in the door in single leaf door, one more aldrop is provided in the inner lock rail section of the door One rotaing locking arrangements for the inner side of the door and additional provision for locking arrangements for lock is provided on the rear side of the door at an appropriate place. Incase of double leaf door M.S.Flat 32 x 3mm at 1.1Kg/m is provided on the one shutter t conceal the gap between the two shutters.at an appropriate place in the door. A tie bar is provided at the bottom of the frame to prevent twisting of frame during transportation and fixing. All members are given a coat of red oxide primer as directed by the departmental officers. The rate includes cost of all materials, labour charges, transportation to site of work, loading, unloading and all other incidental charges etc., complete.

2.10 m²
(Two point one zero
square metres only)

Single Leaf

1m²
(One square
metre)

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
48	48.00 m ² (Forty eight square metres only)	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			1m ² (One square metre)	

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
49	9.00 m ² (Nine square metres only)	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			1m ² (One square metre)	
50	2060.00 Kg (Two thousand and sixty kilo grams only)	Supplying and fixing of M.S.Grill of approved design for open courtyard, grill, grill work to doors and window openings 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.			K ^g	

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
51	2357.00 m2 (Two thousand three hundred and fifty seven 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.			1m ² (One square metre)	
52	1572.00 m2 (One thousand five hundred and seventy two 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.			1m ² (One square metre)	
53	120.00 m2 (One hundred and twenty square metres only)	Painting new wood work with two finishing coats of synthetic enamel ready mixed paint of approved quality and colour over one coat priming coat in all floors including the cost of primer 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.)			1m ² (One square metre)	

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
54	72.00 m ² (Seventy two 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.)			1m ² (One square metre)	
55	6.00 No (Six 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 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).			1 No (One Number)	

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
56	1.00 No (One number only)	Supplying and fixing in position White / Colour Special Delux Model Glazed Cascade Type Parryware / Hindware / Equvalent Wall Mounted European Water Closet of best quality and approved make with 100mm '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 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 specification. (The EWC and flushing tank with all accessories should be got approved by the Executive Engineer before use on works).			1 No (One Number)	

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
57	6.00 No (Six 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 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 Enginer before use on works) White glazed European Water Closet with 10 litre capacity PVC flushing tank fixed on to wall.			1 No (One Number)	

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
58	7.00 No (Seven numbers only)	Supplying and fixing in position best quality and approved make Indian made white / colour glazed earthenware Wash Hand Basin of size 550 x 400mm (with pedestal / without pedestal) 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).			1 No (One Number)	

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
59	4.00 No (Four numbers only)	Supplying and fixing in position best quality and approved make Supplying and fixing of Oval Shape Wash Hand Basin of size 560 x 450mm 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).			1 No (One Number)	
60	2.00 No (Two numbers only)	Supplying and fixing of SS sink of size 600x450x200mm. The rate inclusive of all materials , labour charges , transporation, loading, un loading and all other incidental charges etc., complete., should be got approved by the Executive Engineer before use on works			1 No (One Number)	

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
61	4.00 No (Four numbers only)	Supply and fixing in position of best Indian make Supplying & fixing of White Glazed Porcelain Oval Shap Special Type Urinal of size 382 x 398 x 601mm 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., complete			1 No (One Number)	
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 above ground level.				

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
a)	47.00 Rm (Forty seven running metres only)	110mm dia PVC Soil Pipe			1 RM. (One running metre)	
b)	52.00 Rm (Fifty two running metres only)	75mm dia PVC Soil Pipe			1 RM. (One running metre)	

63 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 :

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
a)	60.00 Rm (Sixty running metres only)	110mm dia PVC Soil Pipe			1 RM. (One running metre)	

b)	20.00 Rm (Twenty running metres only)	75mm dia PVC Soil Pipe			1 RM. (One running metre)	
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64 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).

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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a) 12.00 No 110mm dia PVC Plain Elbow
(Twelve numbers only)

1 No
(One Number)

b) 12.00 No 110mm dia PVC Door Elbow
(Twelve numbers only)

1 No
(One Number)

c) 6.00 No 110mm dia PVC Tee
(Six numbers only)

1 No
(One Number)

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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d) 12.00 No 75mm dia PVC Plain Elbow 1 No
(Twelve numbers only) (One Number)

e) 12.00 No 75mm dia PVC Door Elbow 1 No
(Twelve numbers only) (One Number)

65 19.00 No Supplying and fixing position **PVC Nahini trap** of 110 x
(Nineteen numbers only) 75 mm size 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 40 mm 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 damaged portions to the original
condition and giving connection to the PVC pipes as
directed etc. complete complying with standard
specification. 1 No
(One Number)

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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66 Supplying, laying and jointing the **CPVC Pipes** of the following diameters of approved quality and best variety of pipes and laid properly above ground level to alignment including fixing of required GI specials but excluding cost of such specials, cutting and threading, including fixing to walls with necessary teakwood plugs clamps and screws making holes in the wall or drilling hole in the roof and making good of the disbursed portion to the original condition with necessary with necessary scaffolding charges. The pipes are to be painted two coats with good variety and best quality of synthetic enamel paint over a coat of red oxide primer etc., complete in all floors complying with standard specification. (The PVC Pipes shall be got approved by the Executive Engineer before use on works). **A.G.L.**

a)	65.00 Rm (Sixty five running metres only)	32mm dia CPVC Pipe	1 RM. (One running metre)
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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
b)	40.00 Rm (Forty running metres only)	25mm dia CPVC Pipe			1 RM. (One running metre)	
c)	30.00 Rm (Thirty running metres only)	20mm dia CPVC Pipe			1 RM. (One running metre)	

67

Supplying, laying and jointing **CPVC Pipes** (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 PVC specials using SOLVENT OF 118 ML (but excluding cost of such specials) and fixing 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. **Below Ground Level**

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
a)	30.00 Rm (Thirty running metres only)	32mm dia CPVC Pipe			1 RM. (One running metre)	

68

Supplying of the following **CPVC Specials** of heavy type and approved quality and good variety excluding fixing charges jointing the CPVC Specials and jointing the specials with pipe line using adhesive etc., complete complying with standard specification. (The CPVC Specials should be got approved by the Executive Engineer concerned before use on works).

a)	8.00 No (Eight numbers only)	32mm dia CPVC Union	1 No (One Number)
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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
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b) 10.00 No 25mm dia CPVC Union
(Ten numbers only)

1 No
(One Number)

c) 15.00 No 32mm dia CPVC Elbow
(Fifteen numbers only)

1 No
(One Number)

d) 15.00 No 25mm dia CPVC Elbow
(Fifteen numbers only)

1 No
(One Number)

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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e) 15.00 No 20mm dia CPVC Elbow
(Fifteen numbers only)

1 No
(One Number)

f) 5.00 No 32mm dia CPVC Tee
(Five numbers only)

1 No
(One Number)

g) 12.00 No 25mm dia CPVC Tee
(Twelve numbers only)

1 No
(One Number)

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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h)	10.00 No (Ten numbers only)	20mm dia CPVC Tee			1 No (One Number)
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i)	10.00 No (Ten numbers only)	32x25mm dia CPVC Reducer Elbow			1 No (One Number)
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j)	10.00 No (Ten numbers only)	25x20mm dia CPVC Reducer Elbow			1 No (One Number)
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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
k)	10.00 No (Ten numbers only)	20x15mm dia CPVC Reducer Elbow			1 No (One Number)	

l)	4.00 No (Four numbers only)	32 mm dia CPVC ball valve			1 No (One Number)	
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m)	2.00 No (Two numbers only)	25 mm dia CPVC ball valve			1 No (One Number)	
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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
69	14.00 Rm (Fourteen running metres 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.			1 RM. (One running metre)	
70	10.00 Rm (Ten running metres only)	Supplying, laying and jointing glazed stoneware pipes of following 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. 150mm dia Pipe			1 RM. (One running metre)	
71	2.00 No (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)			1 No (One Number)	

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
72	2.00 No (Two numbers only)	Supplying and fixing in position of PVC Water Tank of approved by quality conforming to ISI specification 1000 litres capacity having suitable cover, bolt including cost of tab, taxes, transportation to work spot, fixing in position a place as shown and directed by the departmental officers including conducting required water test complete complying with standard specification.			1 No (One Number)	
73	2.00 No (Two numbers only)	Supplying and fixing in position Special Type Mirror of size 1000 x 780mm thick mirror 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 (One Number)	
74	11.00 No (Eleven 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 (One Number)	

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
75	13.00 No (Thirteen 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 (One Number)	
76	13.00 No (Thirteen 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 (One Number)	
77	1.00 No (One 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 (One Number)	

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
78		Supplying and filling ISS Metal of following size 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.				
a)	1.50 m ³ (One point five zero cubic metres only)	40mm size ISS Metal			1 M ³ (One cubic metre)	
b)	1.50 m ³ (One point five zero cubic metres only)	20mm size ISS Metal			1 M ³ (One cubic metre)	

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
79	39.00 m ² (Thirty nine square metres only)	Manufacturing, Supplying and fixing of Stainless Steel Hand Rail 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 intermediate horizontal stainless steel pipe of 1.60mm thick in between. The vertical pipe has to be welded to the 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 and as directed by the departmental officers etc., complete complying with standard specification.			1m ² (One square metre)	
80	27.00 Rm (Twenty seven running metres only)	Manufacturing, Supplying and fixing of Stainless Steel Hand Rail for staircase near wet riser using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick will be provided with tubular supports made of 304L Grade Stainless Steel pipe of 25mm dia of 1.60mm thick welded to the railing. The supports will be grouted into the wall and provided with 93.00mm thick Stainless Steel circular base plate of 304L Grade. The rate shall included for grouting into concrete with necessary supporting arrangements the hand rail in floor polishing buffing, bonding, cutting, grinding, conveyance, welding charges, electrical charges etc., complete.			1 RM. (One running metre)	

Contractor :

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1	2	3	4	5	6	7
81	240.00 Rm (Two hundred and forty running metres only)	Drilling the 6" (160mm dia) vertical bore well in all soils & hard rock to any required depth as directed by the departmental officer including labour charges, for assembling of casing pipe inseting in the drilled hole including welding the joints if necessary groting the casing pipes etc., rig and supporting vehicle from one place to another.			1 RM. (One running metre)	
82	30.00 Rm (Thirty running metres only)	Supplying and inserting PVC Casing Pipes (without slots) in the drilled hole including jointing the pipes with PVC couplers with cement paste supplied departmentally free of cost by TWAD Board at Divisional Stores, etc., complete supplying and packing the annular space with pebbles of size and quality as approved by the Executive Engineers of PWD. 165mm dia PVC Plain Casing Pipe			1 RM. (One running metre)	
83	30.00 Rm (Thirty running metres only)	Labour charges for inserting 160mm dia PVC casing Pipes (with slot or without slots) in the drilled hole including jointing the pipes etc., complete			1 RM. (One running metre)	

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

1	2	3	4	5	6	7
84	240.00 Rm (Two hundred and forty running metres only)	Supplying, erecting and connection of 4.00 sqm Sub Cable having good quality with nylon coir etc., complete.			1 RM. (One running metre)	
85	225.00 Rm (Two hundred and twenty five running metres only)	Supply and fixing of Nylon Rope for Bore-well etc., complete complying with standard specification. The Nylon Rope has been got approved by the departmental officers before use on works.			1 RM. (One running metre)	
86	1.00 Job (One job only)	Labour charges for erection of Submersible pump set in bore well including fixing and jointing submergible cable with proper clamps up to the starter to required depth and also fixing of riser pipes to the and erection of panel board consisting of TPICN switches, starter, volt meter, ammeter, three pilot (indicating) etc., complete complying with standard specification.			1 Job. (One job)	

Contractor :

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

1	2	3	4	5	6	7
87		Supplying laying and jointing CPVC pipes best quality conforming to I.S.S. and with I.S.I. mark of following sizes including cutting and fixing with G.I. specials but including cost of such specials and fixing into bore well for suction line, air pipe etc., complete complying with standard specification.				
	220.00 Rm (Two hundred and twenty running metres only)	32mm dia CPVC Pipe			1 RM. (One running metre)	
88	1.00 No (One number only)	Supplying and erecting of III phase 3.00 HP wet submersible pumpset suitable for 150mm dia borewell as per IS 8034/2002 without panel board of best approved quality with ISI mark including all accessories. The pump capable of discharging 50 lpmx75m. The rate including fixing and jointing submersible cable with wire into the starter to the required depth and also fixing of riser pipes to the required depth values erection charges pressure gauge upto the exterior walls pump room and laying and jointing the cable and twin earthing as per IE rules etc., and testing the pumpset and trial run for 10 days etc., complete complying with standard specification and as directed by the departmental officers.			1 No (One Number)	

Contractor :

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1	2	3	4	5	6	7
89	1.00 No (One number only)	Supply of Panel Board items consisting 3.00 HP to 5.00 HP DOL starter with 32 Amp main switches 1 No 32 Amp fuse carrier 2 Nos indicator lamp with switches 2 Nos, 18"x12" TW board 2 Nos. PVC pipe, Bolt, Nuts and screws etc., complet complying with standard specification.			1 No (One Number)	
90	420.50 m2 (Four hundred and twenty point five zero square metres only)	Providing Anti-Termit Treatment to soil adjecent and under building foundation, plinth periphery of the building by application of chemicals of IS 6313 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 braking of termit mounds, making holes with crow ar, closing the holes after the treatement and including cost of chemicals, labour charges transport and storing etc., complete (The chemical should be got approved by the Executive Engineer before use on works)			1m ² (One square metre)	

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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Stage-1: Spraying anti-termite chemical solution for the foundation before laying concrete in bottom and sides of foundation.

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.

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 60 cms and at 60cms intervals on both.

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.

91 6.00 No
(Six 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 original condition wherever found neccessary etc., complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT

1 No
(One Number)

Contractor :

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

1	2	3	4	5	6	7
92	4.00 No (Four numbers only)	Supplying and fixing of Steel Bucket 5 Litter capacity for best quality etc., complete complying with standard specification. The steel bucket has been got approved by the departmental officers before use on works.			1 No (One Number)	
93	2.00 No (Two numbers only)	Supply and fixing of Sanitary Napkin Destroyer (Incinerator) Wall mountable model with removable ash tray for easy to clean the ashes with electrically operated and auto power off for reducing power consumption with complete burning of Napkins with less than 1Gram ash per Napkin with Electronic LCD Display with three Step Safety Cut Off For Sensor Models with high density Heat Proof Ceramic Boards (not less than 1850°C) and puff Insulation for excellent thermal protection.			1 No (One Number)	
94	2.00 No (Two numbers only)	Supplying and fixing of Stainless steel (304 grade) body water dispenser with fully automatic ON / OFF provisions according to the storage level of tank and which store the purified drinking water (Normal water) having 60 litre storage capacity and dispensering the water with 2 nos. of SS taps etc., complete.			1 No (One Number)	

Contractor :

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 Superintending Engineer, P.W.D.
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1	2	3	4	5	6	7
95	1.00 No (One number only)	Supplying and erecting in position of 50 Litres capacity 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 No (One Number)	

Total Item No: (95 items only)

Sub Total

GST 12%

Total Rs.

Contractor :

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