

P.W.D.

Buildings (C&M) Division,

Ramanathapuram.

SCHEDULE - A

Name of work: **Construction of Branch Library Building at Abiramam in Kamuthi Taluk of Ramanathapuram District in memory of Sennappulavar K.Karmegamar.**

Sl. No.	Quantity	Description	TNBP No.	Rate in Figures and in words	Unit	Amount in Rs.
1	2	3	4	4	5	6
1	99.67 M ³ [Ninety Nine point Six Seven cubic metre 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	21.45 M ³ [Twenty One point Four Five cubic metre 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	4	5	6
3	105.69 m ² [One Hundred and Five point Six Nine square metre only]	Providing Anti-termite treatment to soil adjacent and under building foundation, plinth periphery of the building by application of chemicals of IS 63613 Part I to IV in stages to suit the progress of work consist as per the detailed specification as below. (Measurements taken for the plinth area for the purpose of payment) including breaking of termite mounds, making holes with crow bar, closing the holes after the treatment and including cost of chemicals, labour charges, transport and storing etc., complete and as directed by the departmental officers. (The chemical should be got approved of Executive Engineer before use on work).			1 m ² (One Square metre)	
4	74.00 M ³ [Seventy Four cubic metre only]	Supplying and filling in foundation, basement, etc with Conveyed earth with Lead of 5 KMMR 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	4.75 M ³ [Four point Seven Five cubic metre 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)	
6	12.00 m ² [Twelve square metre only]	Damp proof course with Cement Mortar 1:4 (One Cement and Four sand) 12mm thick mixed with best approved quality water proofing compound conforming to Indian Standard specification as specified by the departmental officers at 2% by weight of cement used and finishing, curing etc. complete complying with standard specification.			1 m ² (One Square metre)	

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1	2	3	4	4	5	6
7		Brick work in following Cement Mortar 1:5 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	6.60 M ³ [Six point Six Zero cubic metre only]	Foundation and basement			1 M ³ (One cubic metre)	
8		Brick work in following Cement Mortar 1:6 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	8.60 M ³ [Eight point Six Zero cubic metre only]	Foundation and basement			1 M ³ (One cubic metre)	
b	28.50 M ³ [Twenty Eight point Five Zero cubic metre only]	In Ground floor			1 M ³ (One cubic metre)	

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1	2	3	4	4	5	6
c	15.00 M ³ [Fifteen cubic metre only]	In First floor			1 M ³ (One cubic metre)	
9	73.64 m ² [Seventy Three point Six Four square metre only]	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specification. (Payment for centering shall be given after the concrete is laid)				1 m ² (One Square metre)
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)				

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1	2	3	4	4	5	6
a	272.00 m ² [Two Hundred and Seventy Two square metre only]	For plane surfaces such as RCC floor slab, roof slab, beams, lintels, bed blocks, landing slab, waist slab, portico slabs and beams, etc.			1 m ² (One Square metre)	
b	181.00 m ² [One Hundred and Eighty One square metre only]	For plane surfaces such as rectangular or square RCC columns, sunshades, top and bottom slab of RCC boxing, etc.			1 m ² (One Square metre)	
11		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, retarded 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 10-12mm 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 departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS standards. (No separate payment will be made by the Department for the excess usage of materials).				

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1	2	3	4	4	5	6
a	38.30 M ³ [Thirty Eight point Three Zero cubic metre only]	In foundation and basement			1 M ³ (One cubic metre)	
b	31.00 M ³ [Thirty One cubic metre only]	In Ground floor			1 M ³ (One cubic metre)	
c	13.00 M ³ [Thirteen cubic metre only]	In First floor			1 M ³ (One cubic metre)	
12	85.75 Qtl. [Eighty Five point Seven Five Quintal Only]	Supplying, fabricating and placing in position Mild Steel / Ribbed Tor Steel grills for all RCC works as per design given including cost of steel and G.I. binding wire in all floors etc. complete complying with standard specification. (Contractor has to make his own arrangements for the supply of steel and binding wire)			1 Qtl. (One Quintal)	
13	9.00 M ³ [Nine cubic metre 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)	

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1	2	3	4	4	5	6
14		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	81.54 m ² [Eighty One point Five Four square metre only]	In Ground Floor			1 m ² (One Square metre)	
b	11.00 m ² [Eleven square metre only]	In First Floor			1 m ² (One Square metre)	
15	21.60 RM [Twenty One point Six Zero running metre 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.			1 RM (One Running metre)	

1	2	3	4	4	5	6
16		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., The rate includes cost of materials and cost for aluminium furniture fittings such as 3 nos Alu. hinges 125mm, 1 no Alu. aldrops 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.				
a	3.49 m ² [Three point Four Nine square metre only]	Double leaf			1 m ² (One Square metre)	
b	5.54 m ² [Five point Five Four square metre only]	Single leaf			1 m ² (One Square metre)	

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1	2	3	4	4	5	6
17	5.67 m ² [Five point Six Seven square metre only]	Solid PVC door shutters 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.			1 m ² (One Square metre)	
18	2.10 m ² [Two point One Zero square metre only]	Supplying and fixing PVC sliding door for Differently Abled persons toilet in with Solid PVC door shutters 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.			1 m ² (One Square metre)	

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1	2	3	4	4	5	6
19	2.16 m ² [Two point One Six square metre only]	supplying and fixing in position Glazed steel ventilator with Side/Central hung shutters(Two Leaves) frames and made shutter frame made out of steel section conforming to IS 7452 /1990.The outer frame made out of z section (F7D) of size 33 x22 x3 mm conforming to IS 7452/1990.The mullions are made out of (F4B) section of size 46x25x3 mm and conforming to IS7452/1990.The shutters are individual and each of them can be operated separately.Sash bars are made of T section (T2) of size 25 x 22 x 3mm 2 nos of sturdy hinges and one number of handle cum latch of special type are fixed are each openable shutter with suitable opening in left for its easy operation, one member of adjustable strings with fixing brackets of sufficient length are provided for each shutter 4 nos of 40 x 40 x 3 mm angle hold fast 230mm length are welded with the frame at appropriate point M.S Square bars of 12 mm dia is welded to the inner face of the ventilator at equal intervals not exceeding 10 cm spacing 3mm pin headed glass is used for Glazing with good quality anf fixed with 15 x 12 mm teak wood beadings with screws for fixing .The shutters are to open outside.			1 m ² (One Square metre)	

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1	2	3	4	4	5	6
20		Fabricating, Supplying and fixng in position of steel glazed window (Four Leaves)with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg/ m and mullion 'J' section (F4B) of size 46x25x3mm at 2.28kg/m and shutter section of made of F7D of 33x25x3mm at 1.419 kg/m as specified in IS 7452/1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with 3mm thick pin headed glass and fixed with 15x12mm teakwood beading of superior quality and fixed with shutter frames.2 numbers of sturdy hinges and one number of handle to be fixed each shutter at an appropriate height in window. suitable opening is left for its easy operation. a stopper square rod for handle				
a	20.80 m ² [Twenty point Eight Zero square metre only]	Four Leaves			1 m ² (One Square metre)	
b	9.75 m ² [Nine point Seven Five square metre only]	Three Leaves			1 m ² (One Square metre)	

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1	2	3	4	4	5	6
c	2.34 m ² [Two point Three Four square metre only]	TwoLeaves			1 m ² (One Square metre)	
21	120.00 m ² [One Hundred and Twenty square metre only]	Paving the floor with best quality Stain Free Nano Polish Vitrified Tiles 600x600x8mm of approved colour, shade and quality laid in cement mortar 1:3 (one cement and three sand) 20mm thick in all floors and the top pointed with the white cement mixed same colour pigments etc., complete complying with standard specification. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)			1 m ² (One Square metre)	
22	10.00 m ² [Ten square metre only]	Flooring with Anti skid Self Designed Colour Ceramic Tiles of size 305 x 305 x 6mmceramic tiles laid over 20 mm thick cement mortar 1:3 (One Cement and Three 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)			1 m ² (One Square metre)	
23	28.00 m ² [Twenty Eight square metre only]	Paving the floor with Cement based Hydraulically pressed Anti skid tiles (pattern 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 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)			1 m ² (One Square metre)	

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1	2	3	4	4	5	6
24	21.20 m ² [Twenty One point Two Zero square metre only]	Dadoing walls with colour designed digital printed ceramic 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 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.			1 m ² (One Square metre)	
25	22.40 RM [Twenty Two point Four Zero running metre 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 complying with standard specification.			1 RM (One Running metre)	

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1	2	3	4	4	5	6
26	8.48 m ² [Eight point Four Eight square metre only]	Supplying and fixing in position steel balustrades using 20mm square rods spaced at 150mm centre to centre so that the two balustrades in each step shall be placed centrally and the top of balustrades connected with the hand rails (cost of hand rail shall be measured and paid separately) by means of MS flats of size 40mm x 6mm in the groove 40mm x 6mm provided at the bottom of hand rail; the bottom of balustrades shall be fixed on to the top of step concrete. An additional MS flat of size 50mm x 6mm shall be provided at the centre of balustrades connecting all square rods to the entire length including cost of square rods, flat and applying one coat of red oxide primer to the iron surfaces, etc., complete complying with standard specification and as directed by the departmental officers.			1 m ² (One Square metre)	
27	10.60 RM [Ten point Six Zero running metre only]	Supplying and fixing 40mm dia GI pipe for staircase hand rail including labour charges for cutting, welding and fixing with MS flats (excluding cost of flat), etc., as directed by the departmental officers			1 RM (One Running metre)	
28	15.20 RM [Fifteen point Two Zero running metre only]	Supplying and fixing GI pipe handrails for Differently Abled 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			1 RM (One Running metre)	
29	617.08 m ² [Six Hundred and Seventeen point Zero Eight square metre only]	Plastering with Cement Mortar 1:5 (One cement and Five sand), 12mm thick in all floors including curing etc. complete complying with standard specification and as directed by the departmental officers.			1 m ² (One Square metre)	

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1	2	3	4	4	5	6
30	370.00 m ² [Three Hundred and Seventy square metre only]	Special ceiling plastering and finishing the exposed surface of all RCC items of work such as slabs, beams, sunshades, facia, canopy slab, staircase waist slab, landing slab etc., with Cement Mortar 1:3 (One Cement and Three Sand) 10mm thick including hacking the surfaces, providing cement mortar nosing, beading for sunshades, staircases, steps, landing slabs and curing, etc., in all floors complying with standard specification and as directed by the departmental officers			1 m ² (One Square metre)	
31	56.00 m ² [Fifty Six square metre only]	Plastering the surface of walls with Cement Mortar 1:3 (One cement and Three sand), 20mm thick in all floors including curing etc., complete complying with standard specification and as directed by the departmental officers.			1 m ² (One Square metre)	
32	459.05 m ² [Four Hundred and Fifty Nine point Zero Five square metre only]	White washing three coat 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.			1 m ² (One Square metre)	
33	237.70 m ² [Two Hundred and Thirty Seven point Seven Zero square metre 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			1 m ² (One Square metre)	

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1	2	3	4	4	5	6
34	111.76 m ² [One Hundred and Eleven point Seven Six square metre only]	Painting new iron works such as steel doors, windows, ventilators, window bars, balustrades etc., with two coats of best approved first quality and colour of synthetic enamel paint over the existing red oxide priming coat in all floors excluding cost of priming coat etc., complete complying with standard specification. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)			1 m ² (One Square metre)	
35	22.50 m ² [Twenty Two point Five Zero square metre 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.)			1 m ² (One Square metre)	
36		Supplying and fixing in position first quality and approved variety of Ball Valve with BIS make of the following dia including cost of shellac, thread balls, etc., complete complying with standard specifications (for both internal and external water supply arrangements). The valves to be used on work shall be got approved by the Executive Engineer before use on work.				
a	2.00 Nos [Two Numbers only]	25 mm dia			1 No (One Number)	

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1	2	3	4	4	5	6
37	4.00 Nos [Four Numbers only]	Supplying and fixing in position 15mm dia brass CP screw down tap / Pillar tap (heavy duty) of approved make conforming to BIS specifications and quality including cost of shellac, thread, etc., complete complying with standard specification and including cutting and threading wherever necessary. (Taps should be got approved by the Executive Engineer before use on the works)			1 No (One Number)	
38	4.00 Nos [Four 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)	
39	4.00 Nos [Four 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)	

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1	2	3	4	4	5	6
40	2.00 Nos [Two 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)	
41	2.00 Nos [Two 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 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)	

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1	2	3	4	4	5	6
42	2.00 Nos [Two 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.			1 No (One Number)	
43	4.00 Nos [Four Numbers only]	Supplying and fixing position PVC Nahani Trap of the following sizes with best stainless steel gratings of approved brand and quality, fixed over a bed of brick jelly lime concrete 1:2:5 (One part of lime, two part of sand and five part of 40mm gauge brick jelly) and finished with Cement Mortar 1:3 (One Cement, Three sand) including dismantling masonry works wherever found necessary and making good the dismantled portions to the original condition and giving connection to the CI / PVC pipes, etc., complete complying with standard specification. (The Nahani Trap should be got approved by the Executive Engineer before use on works)			1 No (One Number)	
44	1.00 Nos [One Number 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)	

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1	2	3	4	4	5	6
45		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). Above Ground Level				
a	17.00 RM [Seventeen running metre only]	Below Ground Level - 110 mm dia			1 RM (One Running metre)	
b	10.00 RM [Ten running metre only]	Below Ground Level - 75 mm dia			1 RM (One Running metre)	
46		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).				

1	2	3	4	4	5	6
a	5.00 Nos [Five Numbers only]	PVC 110 mm Dia Elbow			1 No (One Number)	
b	2.00 Nos [Two Numbers only]	PVC 110 mm Dia Bend			1 No (One Number)	
c	5.00 Nos [Five Numbers only]	PVC 75 mm Dia Elbow			1 No (One Number)	
47	<p>Supplying, laying and jointing PVC pipes (having working pressure 10 kg. / sq.cm) of approved quality and best variety conforming to BIS of the following dia including cutting, threading and fixing PVC specials using PVC adhesives (but excluding cost of such specials) and fixing into wall with teak wood plugs, PVC clamps and screws making holes on the wall (or) drilling holes in the roof and making good the dismantled portion to original condition with necessary brick work / cement concrete and plastering neatly wherever necessary with necessary scaffolding charges, etc., complete complying with standard specifications. The PVC pipes shall be got approved by Executive Engineer before use on works.</p>					

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1	2	3	4	4	5	6
I		Internal water supply				
a	20.00 RM [Twenty running metre only]	25mm dia PVC pipe			1 RM (One Running metre)	
b	5.00 RM [Five running metre only]	20mm dia PVC pipe			1 RM (One Running metre)	
II		External water supply - Above Ground Level				
a	13.00 RM [Thirteen running metre only]	25mm dia PVC pipe			1 RM (One Running metre)	
48		Supplying PVC Specials (with working pressure 10 kg. / sq.cm.) in water supply arrangements (both in internal and external water supply arrangements				
a	10.00 Nos [Ten Numbers only]	25mm Dia Elbow			1 No (One Number)	
b	4.00 Nos [Four Numbers only]	25mm Dia Tee			1 No (One Number)	
c	4.00 Nos [Four Numbers only]	25mm Dia Coupler			1 No (One Number)	

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1	2	3	4	4	5	6
d	5.00 Nos [Five Numbers only]	25 x 20 mm Dia Reducer Elbow			1 No (One Number)	
e	6.00 Nos [Six Numbers only]	20mm Dia Elbow			1 No (One Number)	
f	2.00 Nos [Two Numbers only]	20mm Dia Tee			1 No (One Number)	
g	4.00 Nos [Four Numbers only]	20 x 15 mm Dia Reducer Elbow			1 No (One Number)	
h	2.00 Nos [Two Numbers only]	25 mm Dia CPVC Union			1 No (One Number)	
49	1.00 Nos [One Number 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.			1 No (One Number)	

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1	2	3	4	4	5	6
50		Drilling of Borewells anywhere in Tamilnadu including transportation from one place to another with in Tamilnadu in alluvial soil sedimentary strata of clay and sand stone shale pebbles boulders etc. By first taking a pilot bore of 140 mm/150mm dia and then enlarging to required dia direct or reverse rotary mud circulation method using rotary rigs, fuel, labour and drilling bentonite and water required for drilling at site (Site will be shown by the departmental Officers) including construction of mud pit.				
a	60.00 RM [Sixty running metre only]	Upto 60 m Depth ending below ground level			1 RM (One Running metre)	
51		Reaming the bore well from 150mm dia pilot bore to 300mm dia bore as directed by the departmental officers upto 60m depth ending from ground level.				
a	60.00 RM [Sixty running metre only]	Upto 60 m Depth ending below ground level			1 RM (One Running metre)	
52	60.00 RM [Sixty running metre only]	Labour charges for inserting PVC casing pipe assembly (with slots and without slots) in the drilled holes including jointing the pipes with PVC couplers with PVC adhesive etc., complete and supplying and packing annular space with pebbles of size and quality as approved by the Departmental Officers.			1 RM (One Running metre)	

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1	2	3	4	4	5	6
53	3.00 Hour [Three Hours only]	Charges for developing the bore well with air compressor of 600 CFM capacity (minimum 8 Hrs.) including transportation labour and fuel charges for compressor as directed by the departmental officers and conducting yield test by ' V ' notch methods.			1 Hours (One Hours)	
54		Supplying and fixing PVC Plain casing pipes of 160mm dia vertical 10Kg/Cm2 in sedimentary depth as directed by the departmental officers etc. Complete.				
a	30.00 RM [Thirty running metre only]	160mm dia pvc plain casing			1 RM (One Running metre)	
b	30.00 RM [Thirty running metre only]	160mm dia pvc Slotted casing			1 RM (One Running metre)	
55		Supplying, erecting and inserting the following size of CPVC column pipes of approved quality and variety in to bore conforming to pressure IS 4985 . The rate is inclusive of cost of pipe, all taxes, conveyance charges of materials and all other labour charges for inserting the UPVC pipe as directed by the departmental officers etc., complete complying with standard specifications. The PVC / HDPE pipe should be got approved by the departmental officers before use on work.				
a	52.00 RM [FiftyTwo running metre only]	25 mm dia CPVC pipes			1 RM (One Running metre)	

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1	2	3	4	4	5	6
56	1.00 Nos [One Number only]	Supplying and fixing of suitable 160mm PVC End cap			1 No (One Number)	
57	1.00 Nos [One Number only]	S & F bore well clamp and cover			1 No (One Number)	
58	25.00 RM [Twenty Five running metre only]	Supplying and fixing of Nylon rope for borewell			1 RM (One Running metre)	
59	60.00 RM [Sixty running metre nly]	supply of 2.5 sq.mm. three core flat copper cable for submercible motor pump with wire bounded punched copper conductor insulated and sheathed with PVC with voitage grate upto 1100v confirming to and marked with is (694-1990) complying with standrad etc., complete			1 RM (One Running metre)	
60		Supply and fixing of panel board item for the following motor pump with fully automatic starter phase preventor,on & off switch indicator lamp, volta meter and ammeter with selector switch with suitablepower capacity arranded in a steel sheet box as directed by the deparmental office ect.,complete				
a	1.00 Nos [One Number only]	Single Phase 1HP Panel board			1 No (One Number)	

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1	2	3	4	4	5	6
61	1.00 Nos [One Number only]	Supplying and fixing of 2.0 HP Submersible motor with ISI Mark THREE PHASE SUBMERSIBLE PUMPSET SUITABLE FOR 150MM DIA BOREWELL AS PER IS 8034/2002 WITHOUT PANEL BOARD and all other accessories including supplying and fixing M.S fabricated wall mounting panel board with internal wiring as per I.E rules and with necessary locking arrangements with suitable D.O.L automatic Bush Button Starter, Main switch, base plate, Fuse units, indicator lamp etc., complete complying with standard specifications. The rate inclusive of dismantling brick masonry wherever necessary for fixing the bed clamp with angle purline etc., in to the wall and redoing the dismantled portion neatly and including labour for fixing the motor in proper alignment tot the section delivery line.			1 No (One Number)	
Sub Total						
Provision for CGST (6%) + SGST (6%)						
No. of Items: 61 [Sixty One items Only]						
Total	#NAME?					

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