

Name of work : Construction of Veterinary Dispensary Building (Under NABARD RIDF XXVII) at MELAPALUR in Ariyalur District.

Sl. No	Approximate Quantity in figures & words	Description of works	TNDSS No.	NBC	Unit of Calculation (in figures & words)	Rate (in figures & words) [in Rupees]	Amount (in Rupees)
1	2	3	4	5	6	7	8
1	141.65 M ³ (One hundred and forty one point six five cubic metres only)	Earthwork excavation to full depth as may be directed in the following types of soils including shoring, strutting and bailing out water wherever necessary, refilling the sides of foundation with excavated soil other than sand in layers of 15 cm thick well rammed and consolidated depositing the surplus earth in places shown by the departmental officers with initial lead of 10 metres and lift of 2 metres and cleaning leveling the site etc, complete complying with standard specifications and drawings. In all soils except rock requiring blasting.	23&24 V.VI S2		1 M ³ (One cubic metre only)		
2	34.00 M ³ (Thirty four cubic metres only)	Earthwork for open excavation in all soils and sub soils and to the full depth as may be directed except rock required blasting inclusive of shoring, strutting and bailing out water wherever necessary and depositing the surplus earth in places shown by the departmental officers with initial lead of 10 metres and lift of 2 metres and cleaning, leveling the site etc., complete.	23&24 V.VI S2		1 M ³ (One cubic metre only)		
3	16.20 M ³ (Sixteen point two zero cubic metres only)	Cement concrete 1:5:10 (one cement, five crushed stone sand & Ten aggregate) using 40mm size hard broken granite stone jelly <u>for foundation and basement</u> including dewatering if necessary and laid in layers of not more than 15cm thick well rammed and consolidated etc., complete complying with standard specification.	28 V.VI S2 (S5A) VII		1 M ³ (One cubic metre only)		
4	41.55 M ³ (Forty one point five five cubic metres only)	Supplying and filling in foundation and basement, with filling of crushed stone sand (M sand) in layers of not more than 15cms thick well rammed watered and consolidated etc., complete complying with standard specification.			1 M ³ (One cubic metre only)		
5	47.00 M ³ (Forty seven cubic metres only)	Supplying and filling with conveyed gravel other than sand with an initial head load of 100mts. and depositing the earth as shown in layers of not more than 15cm thick well watered, rammed and consolidated upto optimum limit etc., complete complying with standard specification and as directed by the departmental officers.	24&25 V.VI S2		1 M ³ (One cubic metre only)		
6	54.80 M ³ (Fifty four point eight zero 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 only)		

1	2	3	4	5	6	7	8
7	36.40 M ³ (Thirty six point four zero cubic metres only)	Fly ash brick work in Cement mortar 1:6 - (One cement and Six crushed stone sand) using best quality of size 23X11X7cm including curing etc., complete complying with standard specification. In Foundation and Basement	28 & 39H		1 M ³ (One cubic metre only)		
b.	43.10 M ³ (Forty three point one zero cubic metres only)	In Ground floor	28 & 39H		1 M ³ (One cubic metre only)		
8	11.30 M ³ (Eleven point three zero cubic metres only)	Fly ash brick work in Cement mortar 1:3 - (One cement and three crushed stone sand) using best quality of size 23X11X7cm including curing etc., complete complying with standard specification. In Foundation and Basement	28 & 39H		1 M ³ (One cubic metre only)		
9	52.70 M ² (Fifty two point seven zero square metres only)	Brick partition wall of size 11.50cm thick using best quality of fly ash brick work size 23X11X7cm in following cement mortar 1:3 one cement and three crushed stone sand hoop iron reinforcement if found necessary including curing etc., complete complying with standard specification. - In Ground floor.			1 M ² (One square metre only)		
10	133.00 M ² (One hundred and thirty three square metre only)	Supplying and erecting water tight steel shuttering including supports for plane surfaces in foundation and basements RCC works such as column pedestal grade beam, plinth beam, staircase, steps bed blocks etc., using mild steel sheets of size 90cm x 60cm (or) suitable size and 10 gauge stiffened with weld mild steel angle of size 25mm x 25mm x 3mm for boarding laid over silver oak (country wood) joists of size 10cm to 6.5cm spaces at about 90cm centre to centre and supported by casurina props of 10cm to 13cm dia spaced at 75cm centre to centre at suitable intervals etc., complete complying with standard specification and as directed.	30(S) 86, 86A V,VI (S3) VII		1 M ² (One square metre only)		
11	230.00 M ² (Two hundred and thirty square metre only)	Supplying and erecting water tight steel centering for sides and soffits including supports and strutting upto 3.20m height for plane surfaces such as detailed below in all floors with all cross bracing's using mild steel sheets of size 90cm x 60cm x and 10 B.G stiffened with welded mild steel angles of size 25mm x 25mm x 3mm for boarding laid over silver oak (country wood) joists of size 10cm x 6.5cm spaced at 90cm centre to centre and supported props of 10cm to 13cm dia spaced at 75cm centre etc., complete complying with standard specifications and as directed. For plane surfaces such as RCC floor slab, roof slab, beam, lintels, bedrocks, landing slabwaist slab, portico slab and beams etc., complete	30(S) 86, 86A V,VI (S3) VII	-	1 M ² (One square metre only)		
b.	155.00 M ² (One hundred and fifty five square metre only)	For plane surfaces such as Rectangular or square RCC columns, sunshade, top and bottom slab of RCC boxing.	30(S) 86, 86A V,VI (S3) VII	-	1 M ² (One square metre only)		

1	2	3	4	5	6	7	8
12	46.65 M ³ (Forty six point six five cubic metres only)	Providing and laying in position, standardised concrete Mix M-20 Grade in accordance using 20mm 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). In Foundation and basement.			1 M ³ (One cubic metre only)		
b.	28.35 M ³ (Twenty eight point three five cubic metres only)	In Ground floor.			1 M ³ (One cubic metre only)		
c	3.50 M ³ (Three point five zero cubic metres only)	In First floor.			1 M ³ (One cubic metre only)		
13	84.50 Qtl.(Eighty four point five zero quintals only)	Supplying, fabricating and placing in position of mild steel or ribbed for steel grills for all RCC works as per the design given including cost of steel and binding wire in all floors complete complying with standard specifications and drawings. Using M.S. Plain Rods / RTS Rods.- All size.	S.S 86 & 86A V,VI (S3) (S6)		1 Qtl. (One quintal only)		
14	1.60 M ³ (One point six zero cubic metres only)	Cement Concrete 1:3:6 (one cement, three M sand and six hard broken stone jelly) using 40mm jelly for dummy columns excluding cost of centering shuttering reinforcement grills and fabrication charges but including curing etc., (Reinforced cement concrete 1:2:4 for slab to be extension rods to be embedded in CC 1:3:6 (One cement - three M sand - six aggregate) complete dummy column should be at least 1 metre height. - In Ground floor			1 M ³ (One cubic metre only)		
15	13.25 M ³ (Thirteen point two five cubic metres only)	Cement concrete 1:5:10 (one cement, five crushed stone sand & Ten aggregate) using 40mm size hard broken granite stone jelly for flooring including dewatering if necessary and laid in layers of not more than 15cm thick well rammed and consolidated etc., complete complying with standard specification.	28 V.VI S2 (S5A) VII		1 M ³ (One cubic metre only)		

1	2	3	4	5	6	7	8
16	31.70 RM (Thirty one point seven zero running metre only)	Manufacturing, supplying and fixing site of work hollow pressed steel door frames of size 105X60X1.25mm thick without bottom made from CRF section and rectangular hollow section with necessary rebate of 30X15mm to insert receiver rubber bottom shock absorber etc. complete. The entire frame work is given a coat of red oxide primer and filling the inside hollow portion with cement concrete 1:2:4 etc., . The Rate includes cost of materials , labour charges, transportation's, handling , storage and fixing the frames in position etc.		-	1 RM (one running metre only)		
17	9.23 M ² (Nine point two three square metres only)	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 300x12mm and 1 no Alu. tower bolt of 200x12mm, 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. - <u>Single leaf.</u>			1 M ² (One square metre only)		
b.	2.87 M ² (Two point eight Seven square metres only)	<u>Two leaves</u>			1 M ² (One square metre only)		
18	11.70 M ² (Eleven point seven zero square metres only)	Fabricating, Supplying and fixing in position of steel sheeted windows (Two 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 18 gauge cold rolled sheet of superior quality and welded intact with shutter frames. Horizontal stiffeners using 18x5mm MS Flat at 0.70kg/m at 3 Nos. for each shutter and additional diagonal stiffeners of the same MS flats at all the four corners of each shutters to the suitable length welded to the shutters, for holding the CR Sheets in position firmly.			1 M ² (One square metre only)		

1	2	3	4	5	6	7	8
		<p>2 numbers of sturdy hinges and one number of handle-cum-latch of special type made with 18x5mm MS flats are revetted to the shutters at an appropriate height in window. suitable opening is left for its easy operation. a stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. each window shutter having an adjustable stay made out of 18 x 5mm at 0.70 kg/ m MS flat of length 320mm with three adjustable position. A matching peg is provided in the outer frame of the window at suitable place. 4 Nos. of hold fasts of 120mm length spliced at the ends are welded to the outer frame of the window by using MS flat of 18x5mm at 0.70kg/m, welded to the shutter at two place equivalent from each from top and bottom of the shutter.</p> <p>An MS square bar of 12mm size is welded to the inner face of the window at an equal interval not exceeding 100mm edge between them. All members are painted with one coat of anti-corrosive red oxide primer as directed by the departmental officers. All sections should be in confirmed with IS 7452/1990. The cost includes cost of all materials, labour charges and other incidental charges, etc., complete</p>					
19	3.80 M ² (Three point eight zero square metres only)	<p>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 rebate for housing the shutter - <u>Door with frame</u></p>		-	1 M ² (One square metre only)		
20	1.10 M ² (One point one zero square metres only)	<p>Supplying and Fixing in position steel glazed Ventilators with central hung swing shutter using F7D section of size 30x25x3mm for inner outer frames with 4 Nos. Of 12mm dia MS sq. bars for protection and 2 Numbers of clamps welded with outer frame and using 3mm thick pin headed glass for panel including painting with one coat of Red Oxide Primer dismantling the masonry wherever necessary for fixing the ventilator and redoing the same to the original condition fixing the ventilator and redoing the same to the original condition fixing the ventilator in position etc.,</p>			1 M ² (One square metre only)		
21	1018.00 KG (One thousand and eighteen kilogram only)	<p>Supplying and fixing of MS grill of approved design for gate, open courtyard, grill, grill work to doors and windows 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.</p>			1 KG (One kilogram only)		

1	2	3	4	5	6	7	8
22	111.40 M ² (One hundred and eleven point four zero square metres only)	Paving granolithic pattern floor finish of the following thickness with plain cement concrete 1:2:4 (one cement, two M sand & four aggregate) using hard broken granite stone jelly of size 10mm to 12mm and top rubbed smooth in all floors etc., complete complying with standard specification and as directed. machine cursed stone jelly are should be used) <u>25mm thick.</u>			1 M ² (One square metre only)		
23	16.80 RM (Sixteen point eight zero running metres only)	Supplying and fixing in position of best approved quality PVC rain water downfall pipes of following diameters including cost of PVC Pipes with necessary shoes, bends, clamps including cost of all materials, brass screws, nails teak wood plugs and fixing of cast iron gratings at places wherever necessary including finishing neatly etc., complete including cost of all materials. The rate shall be inclusive of cost of removable iron gratings of appropriate size. The size of teak wood plugs to be used shall be 150mm x 25mm in front and 200mmx75mm in rear side and all other sides with a depth of 100mm. The PVC Pipe shall be fixed with teak wood plugs by means of 'U' clamps at the centre of the line shall be fixed in addition to these for more than three metres pipe length complying with standard specifications. 110 mm dia PVC pipe(4ksc)			1 RM (One running metre only)		
24	42.50 M ² (Forty two point five zero Square metres only)	Supplying and fixing in position of Cuddapha slab with top side polished of following thick including cost of slab, transportation charges to work site labour charges for forming grooves in masonry if necessary fixing the slabs in position using Cement mortar 1:3 at the following thickness including curing, pointing etc., complete complying with standard specification. <u>-40mm thick slab.</u>			1 M ² (One square metre only)		
25	76.50 M ² (Seventy six point five zero square metres only)	Paving the floor with best quality (Vertifited) like Morbonite Tiles of size 600 x 600 x 8mm of approved colour, shade and quality laid in cement mortar 1:3 (one cement and three M sand) 20mm thick in all floors and the top pointed with the white cement mixed same colour pigments etc., complete complying with standard specification. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)		-	1 M ² (One square metre only)		
26	32.25 M ² (Thirty two point two five square metres only)	Paving the floor with best approved quality fine polished Kotta stone Above size of 600X600X20 mm thick machine cut edges laid over a cement mortar bed of 20mm thick using cement mortar 1:3 (One cement and three sand), 20mm thick fixing the slabs in true right angles with minimum possible width of joints and pointing the joints with cement mortar 1:3 (one cement and three sand) and polishing with floor polisher to a high degree of finish and curing etc., complete as directed by the departmental officers.	Spl.	-	1 M ² (One square metre only)		

1	2	3	4	5	6	7	8
27	20.10 M ² (Twenty point one zero square metres only)	Flooring of Non skid designed Ceramic Tiles of size 305x305x6 mm of best and approved quality and colour set in cement mortar 1:3 (One cement and three M sand) 20mm thick and pointing with same color cement at 0.3kg / m2 to suit the color of the tiles neatly finished in all floors including finishing the joints even surface. The rate includes cost of tiles, taxes, all incidental charges, transportation charges and labour charges for fixing tiles, finishing the joints flush, curing as directed by the departmental officers and complying with standard specifications.		-	1 M ² (One square metre only)		
28	35.50 M ² (Thirty five point five zero square metres only)	Dadoing the sides of walls with colour glazed ceramic tiles set in CM 1:2 (one cement two M sand) - 10mm thick using tiles of size 300X450X8mm and pointing the joint with white cement including curing , finishing etc., complete complying with standard specification.		-	1 M ² (One square metre only)		
29	1.00 No. (One number only)	Supplying and fixing in position by means of 75 mm long and 65 mm dia counter sunk bolt and nuts embedded in the floor with rubber or fibre washer white glazed European Water Closet with 100 mm "P" trap with double flapped rigid PVC black seat and seat cover with C.P. brass hinges including supply and fixing 10 litres capacity PVC low level flushing tank fixed wall etc. , complete with all fittings such as 15 mm brass ball valve with polythene float with brass handle, union coupling connected by means of 40 mm white PVC flush hand using Indian adopter joint including all internal fittings such as 15 mm brass connections, 15 mm G.M. wheel valve, 15 mm brass nipple (2 Nos.), 15 mm nylon connection and fixing the low level ISI marked flushing tank with T.W. plugs and screws and giving necessary connection to the PVC pipe including cost of 600 mm length of 100 mm dia CI pipe and painting the C.I. Brackets with 2 coats of approved paint over one coat of red oxide primer and redoing the dismantled masonry to original condition etc. complete. (The EWC and flushing tank should be got approved by the Executive Engineer before use on works)			1 No. (Each)		
30	1.00 No. (One number only)	Supplying and fixing in position Indian water closet Oriya types whiter glazed (580mm) earthenware of approved brand and quality of the following sizes with P and S trap with sand cushion and forming flooring all round the water closet using 40mm broken brick jelly in lime concrete 1:2:5 (one lime, two sand & five brick jelly) 10mm thick and top left rough to receive floor finish and giving necessary connection to pvc stacks etc., complete complying with standard specifications. (The water closet and P or S trap to be got approved by the Executive Engineer before use on works. Water closet of size 580mm.		-	1 No. (Each)		

1	2	3	4	5	6	7	8
31	2.00 Nos. (Two numbers only)	Supplying and fixing in position Indian make White glazed earthen ware wash hand basins of size 550mm x 400 mm of approved quality with a pair of cast iron brackets, 15mm dia brass chromium tap, 32mm dia PVC waste with rubber plug and chain, 15mm dia G.M. wheel valve, 15mm dia brass nipple, 15mm dia Nylon connection etc., including fixing the wash hand basin in the wall in position with a pair of C.I. brackets with teak work plugs and screws and giving necessary water supply connection and painting the brackets with two coats of anti corrosive paint over red oxide priming coat, including testing for leakage etc. complete complying with standard specifications (The wash hand basin and specials should be got approved by the Executive Engineer before use on works). <u>with pedestal</u>	102	-	1 No. (Each)		
32	269.75 M ² (Two hundred and sixty nine point seven five square metres only)	Special ceiling plastering and finishing the exposed surfaces of RCC works such as RCC slabs, sunshades facit, canopy slab, staircase waist, slab landing slab etc., with cement mortar 1:3 (one cement & three P sand) 10mm thick including hacking and providing necessary cement mortar nosing beading as per size and specifications wherever necessary using the same mix as directed by the departmental officers etc., complete complying with standard specifications.	56 & 57	-	1 M ² (One square metre only)		
33	645.20 M ² (Six hundred and forty five point two zero square metres only)	Plastering the surface of walls with cement mortar 1:5 (one cement & five crushed stone (P sand) 12mm thick in all floors etc., complete complying with standard specifications.	61 & V,VI (S4) 3		1 M ² (One square metre only)		
34	73.80 M ² (Seventy three point eight zero square metres only)	Plastering the surface of walls with cement mortar 1:3 (one cement & three P sand) 12mm thick mixed with WPC including finishing, curing etc., complete complying with standard specifications.	61 & V,VI (S4) 3		1 M ² (One square metre only)		
35	9.00 M ³ (Nine cubic metres only)	Plain Cement Concrete 1:2:4 (one cement, two sand and four hard broken stone jelly) using 20 mm gauge hard broken granite stone jelly for wearing coat including laying, compacting, finishing and curing, etc., complete complying with standard specifications and as directed by the departmental officers.	28 V,VI (S2)(S5A) VII		1 M ³ (One cubic metre only)		
36	553.20 M ² (Five hundred and fifty three point two zero square metres only)	Painting two coats of New plastered wall surface with ready mixed Exterior / Interior Plastic emulsion paint and approved colour over a painting coat etc complete including scraping, cleaning, removal of dust, including necessary plaster of paints putty where ever required. etc., complete complying with standard specifications. The rate is inclusive of cost of all materials and labour charges etc.,	61 & V, VI (S.4) 3		1 M ² (One square metre only)		

1	2	3	4	5	6	7	8
37	258.10 M ² (Two hundred and fifty eight point one zero square metres only)	Painting the wall two coats with approved weather proof Exterior Emulsion paint over one primer coat of over cement plastered wall surface ect., complete complying with standard specification.	61 & V, VI (S.4) 3		1 M ² (One square metre only)		
38	68.00 M ² (Sixty eight square metres only)	Painting two coats on new iron works such as steel doors, windows, ventilators, balustrades etc., with best approved first quality synthetic enamel paint of approved colour over the existing red oxide priming coat in all floors etc., complete complying with standard specifications. The rate is inclusive of cost of all materials and labour charges etc.,	56 & 66 A & V2,VII 13.5		1 M ² (One square metre only)		
39	30.10 M ² (Thirty point one zero 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.)			1 M ² (One square metre only)		
40	1.00 No. (One number only)	Supplying and fixing of Trevis of size 2.50X0.90m using 65mm dia GI B clsss pipe for cutting and fixing in position etc., complete			1 No. (Each)		
41	60.00 RM (Sixty Running metre)	Drilling of bore well anywhere in Tamilnadu including transportation from one place to another within Tamilnadu in alluvial soil, sedimentary strata of clay and sand stone shale pebbles bounders etc., by taking a pilot bore of 140mm/150mm dia and then enlarging to required dia by direct or reverse rotary mud circulation method using rotary rigs. fuel, labour and drilling betonies and water required for drilling @ site including construction of Mud pit site will be shown b the departmental officers. <u>upto 60metre.</u>			1RM (One Running metre only)		
b	30.00 RM (Thiry Running metre)	<u>60 - 90Metre.</u>			1RM (One Running metre only)		
c.	30.00 RM (Thiry Running metre)	<u>90 - 120Metre.</u>			1RM (One Running metre only)		
42	60.00 RM (Sixty Running metre)	Reaming for 140/150mm dia pilot Bore to 300mm dia Bore as directed by the departmental officers. <u>Upto 60 metre</u>			1RM (One Running metre only)		
b	30.00 RM (Thirty Running metre)	<u>60 - 90Metre.</u>			1RM (One Running metre only)		

1	2	3	4	5	6	7	8
c.	30.00 RM (Thirty Running metre)	<u>90 - 120Metre.</u>			1RM (One Running metre only)		
43		Supplying and inserting casing pipe assembly with drilled hole including jointing etc., compete.					
a	60.00 RM (Sixty Running metre)	150mm dia With out slot. (Special Blue pipe)			1RM (One Running metre only)		
b.	60.00 RM (Sixty Running metre)	150mm dia With slot. (Special Blue pipe)			1RM (One Running metre only)		
44	120.00 RM (One hundred and TWenty Running metre)	Labour charges for erection of Casing pipe in to drilled borewell hole etc etc complete and run test etc., complete			1RM (One Running metre only)		
45	1.00 No. (One number only)	Supplying and fixing of PVC thread end cap for 165mm dia PVC pipe end cap etc. complete. With ISI Mark.			1No (Each)		
46	130.00 RM (One hundred and thirty Running metre only)	Supplying and fixing of 40 mm dia HDPE Hose Assembly for approved quality and nest Varity confirming to ISI mark of suction pipe for sub-mersible motor as directed by the departmental officer etc. complete.			1RM (One Running metre only)		
47	140.00 RM (One hundred and forty Running metre only)	Supplying and run of 36 / 0.3 2.50sqmm pvc inslated single core multi stand fire retardant flexible copper cable as per standard specification etc. complete.			1RM (One Running metre only)		
48	1.00 No. (One number only)	Supplying fixing and erecting 2HP Single phase Multi stage Deep well 20 stage Sub-mersible pump of best approved quality & make suitable for 415/440V - 50HZ AC electrical supply with all accessories including panel board of required size having 1 no. 30 Amps DIP switch, 1 No Ammeter -0-30Amps, 1 No of Volt metre 0-500 volts with control switch 1 No. of indicator lamps, 2 set of 1 -1/2" clamps nipples and giving electrical connection with necessary flexible pipe etc., complete as per standard specification and as directed by the departmental officers. The pump should be tested for a minimum of 3 days at contractor's cost.		-	1 No. (Each)		
49	8.00 Hrs. (Eight hrs.only)	Charges for Developing the Bore well with Air compressors of 600 CFM capacity including transportation Labour of fuel charges for compressors as directed by the dept. officers & concluded yield test by "V" notch method.			1HR. (one hour only)		

1	2	3	4	5	6	7	8
50	1.00 No. (One number only)	Labour charges for Erection of bore well pipe,motor, power pump set etc., complete. - upto 3 HP		-	1 No. (Each)		
51	26.00 RM (Twenty six running metres only)	Supplying, laying and jointing UPVC 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 UPVC specials using UPVC adhesives (but excluding cost of such specials) and fixing into wall with teak wood plugs, PVC clamps and screws making holes on the wall (or) drilling holes in the roof and making good the dismantled portion to original condition with necessary brick work / cement concrete and plastering neatly wherever necessary with necessary scaffolding charges, etc., complete complying with standard specifications. The PVC pipes shall be got approved by Executive Engineer before use on works.- Above Ground level 32mm UPVC Pipe. - External - commercial				1 RM (One running metre only)	
b.	20.00 RM (Twenty running metres only)	25mm UPVC pipe External				1 RM (One running metre only)	
c.	19.00 RM (Nineteen running metres only)	20mm UPVC pipe Internal				1 RM (One running metre only)	
52	2.00 Nos. (Two numbers only)	Supplying and fixing in position of gun metal gate valves / Wheel valves of following diameter of approved make and quality including cost of white lead spun yarn etc., complete complying with standard specifications (Material to be used on works should be got approved by the Executive Engineer before use).- 32mm dia G.M. Gate valve.	Similar to 97 & 102		1 No. (Each)		
53	5.00 Nos. (Five numbers only)	Supplying the following UPVC specials with working pressure of 10KG / Sqcm in water supply arrangements both internal and external water supply arrangements 32mm UPVC Elbow	Similar to 97 & 102		1 No. (Each)		
b.	3.00 Nos. (Three numbers only)	25mm UPVC Elbow	Similar to 97 & 102		1 No. (Each)		
c.	2.00 Nos. (Two numbers only)	25X20mm UPVC Reducer Elbow	Similar to 97 & 102		1 No. (Each)		
d	4.00 Nos. (Four numbers only)	20mm UPVC Elbow	Similar to 97 & 102		1 No. (Each)		
e	2.00 Nos. (Two numbers only)	20mm UPVC Tee	Similar to 97 & 102		1 No. (Each)		

1	2	3	4	5	6	7	8
f	4.00 Nos. (Four numbers only)	20X15mm UPVC Reducer	Similar to 97 & 102		1 No. (Each)		
54	4.00 Nos. (Four numbers only)	Supplying and fixing in position 15mm dia CP Screw down Taps of (heavy duty) of approved make and quality and fixing to the galvanised iron pipes in position etc. complete. (The taps should be got approved by the Departmental officers before use on works).	Spl.	-	1 No. (Each)		
55	22.00 RM (Twenty two running metres only)	Supplying and fixing in position of best approved quality PVC Soil pipe of following diameters including cost of PVC Pipes with necessary shoes, bends, clamps including cost of all materials, brass screws, nails teak wood plugs and fixing of cast iron gratings at places wherever necessary including finishing neatly etc., complete including cost of all materials. The rate shall be inclusive of cost of removable iron gratings of appropriate size. The size of teak wood plugs to be used shall be 150mm x 25mm in front and 200mmx75mm in rear side and all other sides with a depth of 100mm. The PVC Pipe shall be fixed with teak wood plugs by means of 'U' clamps at the centre of the line shall be fixed in addition to these for more than three metres pipe length complying with standard specifications. <u>110mm dia PVC Pipe. Below External</u>	107		1 RM (One running metre only)		
b.	10.00 RM (Ten running metres only)	<u>75mm dia PVC Pipe. Below External</u>	107		1 RM (One running metre only)		
56	2.00 Nos. (Two numbers only)	Supplying and fixing in position of following dia P.V.C specials of approved brand and quality with necessary cement joint with hump yarn including dismantling the masonry or RCC floor wherever necessary and the specials fixed in position etc. (The P.V.C specials are to be got approved by the Executive Engineer before use on work.) 110mm dia P.V.C Door elbow			1 No. (Each)		
b.	2.00 Nos. (Two numbers only)	75mm dia P.V.C Door elbow			1 No. (Each)		
57	2.70 M ³ (Two point seven zero cubic metres only)	Supplying filling granite stone jelly for the dispersion trench around the stone ware pipes to the required thickness as directed by the departmental officers., - 40mm ISS Metal.		-	1 M ³ (One cubic metre only)		
58	2.70 M ³ (Two point seven zero cubic metres only)	Supplying filling granite stone jelly for the dispersion trench around the stone ware pipes to the required thickness as directed by the departmental officers., - 25mm ISS Metal.		-	1 M ³ (One cubic metre only)		

1	2	3	4	5	6	7	8
59	1.00 No. (One number only)	Supplying and fixing P.V.C ventilating shaft of 110mm dia and 3m height including cost of PVC Cowl and fixing in position as directed etc., complete. (The pipe and cowl should be got approved by the Executive Engineer before use on works)	Special	-	1 No. (Each)		
60	2.00 Nos. (Two numbers only)	Supplying laying and jointing in position the following stoneware special of approved make with cement joints including giving necessary water supply test etc., complete. (The stoneware specials are to be got approved by the Executive Engineer before use) 150mm dia stoneware Tee.	96 & 99	-	1 No. (Each)		
61	9.30 M ² (Nine point three zero square metres only)	Casting and fixing of reinforcement cement concrete slabs of the following thickness in cement concrete 1:2:4 (one cement, two M sand & four aggregate) using 20mm HBG machine crushed stone jelly excluding cost of reinforcement grill in position but including molding charges casting of slab curing finishing and fixing them in position with cm 1:3 in cupboards, record racks, cover slabs etc., complete complying with standard specifications.- 50mm thick slab.	28 & 39H V, VI (S2) (S8) (S.5A)	--	1 M ² (One square metre only)		
62	5.00 RM (Five running metres only)	Supplying and laying and jointing glazed stoneware pipes of approved brand quality with spigot and socket ends in dry conditions of the following diameters with loose joints for dispersion trench as directed by the departmental officers etc., complete (The stoneware pipes are to be got approved from the Executive Engineer before use on works).- 150mm dia Stoneware pipe with loose joint.	96 & 99	-	1 RM (One running metre only)		
Basic Amount of Civil work							
63	30.00 Pts. (Thirty points only)	Wiring with 2x1.5 sq mm (22/0.3) PVC insulated SC unsheathed Cu. Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories in flush with wall with 3mm thick hylum sheet cover with TW switch box and 5A F.T. switch and making good of the concealed portion with suitable colour for PVC concealed light / Fan Point (For electronic regulator) (5 Points Per Coil) (SD-25)			1 Pts (Points)		
64	2.00 Pts. (Two points only)	Wiring with 2x1.5 sqmm (22/0.3) PVC insulated SC unsheathed Cu. Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires in flush with wall with 3mm thick hylum sheet cover with TW switch box and 5A F.T. switch and making good of the concealed portion with suitable colour for PVC concealed light (6 Points Per Coil) (For Rooms like Bath , Toilet,& Pump room etc.) (SD-26)			1 Pts (Points)		
65	14.00 Nos. (Fourteen numbers only)	Supply and fixing of 4'20W LED fitting with LED with TW round blocks on wall or ceiling with PVC unsheathed Copper leads from terminals to the fitting. (DATA-A) (Make: Philips/Equivalent)			1 No. (Each)		
66	3.00 Nos. (Three numbers only)	Supply and fixing of 4'20W LED fitting with with conduit pipe suspension from the ceiling with PVC unsheathed Copper leads from terminals to the fitting. (Make: Eveready/Suriya/Equivalent) (DATA-B)			1 No. (Each)		

1	2	3	4	5	6	7	8
67	2.00 Nos. (Two numbers only)	Supply and fixing of 9W LED for BH point. (DATA-C)			1 No. (Each)		
68	5.00 Nos. (Five numbers only)	Supply and fixing of 30W LED street light fitting complete with 19mm dia GI pipe (Class 'B') with 1 No. 19mm GI bend complete on the existing post/wall with 16A aerial fuse unit on MS plate with PVC unsheathed copper leads MS clamps and aluminum painting. (DATA-D) (Make: Philips/Havells /Equivalent)			1 No. (Each)		
69	8.00 Nos. (Eight numbers only)	Supply and fixing of 1200 mm (48") AC ceiling fan complete with stepped electronic 300W regulator with 300mm down rod on the existing clamp. (SD-110)			1 No. (Each)		
70	9.00 Nos. (Nine numbers only)	Supply and fixing of 2Nos. 5A 3pin and 2pin combined flush type wall socket with 5A flush type switch and 1 No. 5A/15A 3pin combined flush type wall socket with 15A flush type switch concealed in suitable TW box in flush with wall and covered with 3mm thick hylum sheet with earth connection. (DATA-E)			1 No. (Each)		
71	110.00 Mts. (One hundred and ten Meters only)	Supply and run of 2 of 2.5 sq.mm (36/0.3) PVC insulated SC unsheathed Cu. Conductor of 1100V Grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14SWG TC wire and making good of the concealed portion with suitable colour. (DATA-F) (Power Plug)			1 Mts (Metres)		
72	1.00 No. (One number only)	Supply and fixing of 8 Way single pole and neutral MCB DB with metal door cover with IP 42 protection in sheet steel enclosure distribution board with 1 No 32 Amps DP MCB as incoming and 6 Nos. 6 Amps to 32 Amps SP MCB outgoing in flush with wall and making good of the concealed portion with earth connection. The MCB DB and MCB isolator and MCB should be with ISI mark (Like Legrand(MDS)/Hager(I &T) make)(DATA-G)			1 No. (Each)		
73	9.00 Mts. (Nine Meters only)	Supply and run of 2 of 4sqmm (56/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V Grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14SWG TC wire and making good of the concealed portion with suitable colour. (SD-57) (Meter board to 8way MCB DB)			1 Mts (Metres)		
74	1.00 No. (One number only)	Supply and fixing of Horizontal type 4 way triple pole neutral MCB distribution board with metal door cover with IP 42 protection in sheet steel enclosure with 32A 4 pole MCB Isolator as incoming and 12 Nos. 6 A to 32 A SP MCB as outgoing in flush with wall and making good of the concealed portion with earth connection. The MCBDB and MCB's should be with the ISI mark (like Legrand (MDS)/ Hager (L&T) make). (DATA-H)			1 No. (Each)		

1	2	3	4	5	6	7	8
75	10.00 Mts. (Ten Meters only)	Supply and run of 4 of 4sqmm (56/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V Grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour. (SD-61)			1 Mts (Metres)		
76	1.00 No. (One number only)	Supply and fixing of TNEB meter Board suitable for 32A Three Phase service connection with 3 Nos. 32A Fuse unit (500V) 32A neutral link and earth link (1" x 1/8" Copper flat) on TW plank of size 600mm x 450mm x 19mm with supporting TW reepers of 1" thick an either side with painting with suitable bolt and nuts for fixing the TW plank on wall with earth connection and inter connection with 7/20 PVC insulated copper wire from EB meter to fuse unit. (SD-127)			1 No. (Each)		
77	1.00 No. (One number only)	Supply and fixing of 3 Phase 32A aerial fuse unit for 3 Nos 32A fuse units (500V) on suitable MS sheet covered with 6mm thick hylem sheet on suitable angle iron work the tapping pole with necessary clamps. (SD-132)			1 No. (Each)		
78	1.00 No. (One number only)	Supply and fixing of 32 A TPNMC switch on suitable angle iron frame work with MS cable entry box with earth connection only(SD-164)			1 No. (Each)		
79	30.00 Mts. (Thirty Meters only)	Supply and run of 4 of 4 sq.mm (56/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade on 7/20 GI bearer wire for service connection mains (SD-67) (EB post to Meter board)			1 Mts (Metres)		
80	4.00 Mts. (Four Meters only)	Supply and run of 4 of 4 sq.mm (56/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade in 25mm dia GI pipe (Class 'B') bent at both ends with necessary angle iron up right and end supports for mains (SD-72)			1 Mts (Metres)		
81	1.00 No. (One number only)	Earthing as per P.W.D standard with an earth electrode of 2 Mtr. Class 'B' GI pipe of dia not less than 32mm complete with necessary masonry work. (SD-234)			1 No. (Each)		
82	7.00 Mts. (Seven Meters only)	Supply and Run of 1 of No.8 SWG copper wire in suitable PVC rigid pipe concealed in wall or ceiling and making good of the concealed portion with suitable colour. (DATA-I)			1 Mts (Metres)		
						Basic Amount of Ele work	
						Total Amount of Civil + Ele work	
						GST @ 12%	
						Total	

1	2	3	4	5	6	7	8
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Contractor

Executive Engineer, PWD.,
Building (C&M) Division, Ariyalur.