

**SCHEDULE – A**  
**PERIYANACKENPALAYAM TOWN PANCHAYAT**

Est. No.:

Issued to : Thiru.

Estimate Amount: **86,00,000**

EMD.Amount :

Tender Date & Time:

Executive officer

PERIYANACKENPALAYAM TOWN PANCHAYAT

Chalan No:

Dated:

Name of Work:

Installation Of Additional Capacity For The FSTP (Construction of Solar Sludge Drying Bed,Holding Tank, Aeration Tank , Treated water storage Tank,Providing Borewell, ) at FSTP in Periyanaickenpalayam Town Panchayat.

Schedule of Rates and approximate quantities

- a) The quantities have given are those upon which the lump-sum tender cost at the work is caused but they are subject to alterations, omissions, deductions or additions as provided for in the conditions of the contract and do not necessarily show the actual quantities of the work to be done. The unit of rates noted below are those governing payment for extras or deductions for omission according to the conditions of the contract as set forth in the conditions and specification for the contract.
- b) It is to be expressively understood that the measured work it is to be taken out (Not withstanding any customarily practice to the contrary according to the actual quantities when the place and finished accordingly to the Drawings or as may be ordered time to time by the Special Village Panchayat Engineer and the cost calculated by works connected there with. The rate quoted is for the works in site and complete in every respect.
- c) The material required for the works must be supplied by the contractor and of the approved quality

## SCHEDULE-B

					Rate			
Sl. No.	Probable Quantity		Description of Work	MDSS/TNBP/ NBC / SSRB No/MORTH	In Figures	In Words	UNIT in Figures and Words	Amount
1	380.00	m3	Earthwork excavation in all soils and sub soils except hard rock requiring blasting with initial lead and lift including re-filling the sides of foundation in layer of 15 cm thick watering , ramming ,depositing the surplus earth in the premises as directed by departmental officers etc., complete as per standard specification. as per SS 20 B TNDSS NO: 23&24VI (S2), VII 9,10	SS20B			1 m3 (One Cubic Metre)	
2	82.00	m3	Providing and laying, spreading and compacting graded stone aggregates to Wet Mix Macadam 250mm thick specification including premixing the materials with water at OMC in mechanical mix plant carriage of mixed material by tipper to site laying in uniform layers with pavers in Sub Base/ Base course on well prepared surface and compacting with vibratory roller to acheive the desired density including cost of material, labour charges, rentals for machinery, fuel and all other incidental charges etc., complete as per clause 406 of MORTH	406 of Morth			1 m3 (One Cubic Metre)	

Sl. No.	Probable Quantity		Description of Work	MDSS/TNBP/ NBC / SSRB No/MORTH	In Figures	In Words	UNIT in Figures and Words	Amount
3	39.00	m3	Cement concrete Using 1:4:8 mix ( One cement , four sand and Eight aggregates) using 40 mm ISS HBG metal including cost and conveyance of all materials to work site and all labour charges for mixing, laying,consolidating and curing etc complete as per the standard specifications.as per TNDSS NO: 28 V, VI (S2) V,VI (S5A) VII	TNDSS NO: 28 V, VI (S2) V,VI (S5A) VII			1 m3 (One Cubic Metre)	
4	527.00	m2	Supplying and errecting centering to sides and soffits including supports and strutting for drainage sides and culvert body wall sides using 90cm x 60cm and B.G 10stifened with welded mild steel angles of size 25mm x 25mm x 3mm for boarding laid over( silver oak joists ) of size 10cm x 6.50cm spread at about 90cm including all labour charges and cost and conveyance of all materials to site etc. complete complying with standard specification. as per TNDSS NO: 30&86	TNDSS NO: 30&86			1 m2 (One Square Metre)	
5	10710.00	kg	Supplying fabricating and placing in position of steel rods using TMT. or Ribbed Tor Steel including cost of binding wire, cost of labour charges for fabrication and placing in position etc. Complete. Complying with std. specifications.	Special			1 kg (One Kilo grame)	

Sl. No.	Probable Quantity		Description of Work	MDSS/TNBP/ NBC / SSRB No/MORTH	In Figures	In Words	UNIT in Figures and Words	Amount
6	120.00	m3	Providing and laying in position,Standardised Concrete Mix M-30 Grade in accordance with IS:456-2000,using 20mm and down graded hard brocken granite stone jelly for all RCC Items of Works with minimum cement of 400 kg/m3 and maximum water cement ratio of 0.45,including admixture (plasticiser/super plasticiser) in recommended proportions as per IS :9130 to accelerate, retard setting of concrete,improve workability without impairing strength and durability with about (5.0cu.m) 7730 kg.of 20mm machine crushed stone jelly and with about (3.3 cu.m ) 5156 kg. of 10-12 mm machine crushed stone jelly 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 flor/roof slabs wherever necessary without clamiping extra.,complete comply 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 usages of materials).				1 m3 (One Cubic Metre)	
7	125.00	m3	Removal of Conveyance of excavated excess earth including loading, unloading and refilling as directed by the departmental officer etc., complete - 1m3 for 2 km	Special			1 m3 (One Cubic Metre)	

Sl. No.	Probable Quantity		Description of Work	MDSS/TNBP/ NBC / SSRB No/MORTH	In Figures	In Words	UNIT in Figures and Words	Amount
8	2362.00	kg	Supplying and fixing of M.S. " L "ANGLES of approved design fortruss using necessary mild steel flats for inner and outermembers which should be fixed to "truss" inclusive of priming coat of best approved quality red oxide primer etc., complete complying with standard specifications.	Special			1 kg (One Kilo grame)	
9	277.00	m2	Supply and installation of dome shaped polyhouse roofing with 6mm polycarbonate roofing sheet including all materials (SOR 2021-22 Pg.No 72 )	(SOR 2021-22 Pg.No 72 )			1 m2 (One Square Metre)	
10	117.00	m2	Providing 12 mm thick cement plaster in one coat in external surface with 1:5 cement mortar mixed including scaffolding and curing and also complying with standard specifications and instructions of the engineer in charge.	Special			1 m2 (One Square Metre)	
11	76.00	m2	Providing 20 mm thick cement plaster in one coat in 1:5 cement mortar mixed with water proofing agent , including scaffolding and curing and also complying with standard specifications and instructions of the engineer in charge.	Special			1 m2 (One Square Metre)	
12	6.00	no	Supplying and fixing in position (Heavy duty) of size 60cm x 60cm of best approved quality as per standard specification etc., complete compying with standard specifications	Special			1 Nos (One Numbers)	

Sl. No.	Probable Quantity		Description of Work	MDSS/TNBP/ NBC / SSRB No/MORTH	In Figures	In Words	UNIT in Figures and Words	Amount
13	310.00	m	Providing and fixing uPVC pipes (Soil and waste line) of required diameter conforming to I.S.-13592, and I.S.-4985 to withstand continous internal hydroulic pressure of 6 kg/cm2 including necessary fixtures and fittings, such as bends, tees, single junctions, double junctions and joining with rubber rings and lubricants, on wall by means of clips or in ground including necessary excavation, laying refilling, trench testing etc. complete. (Prior approval of sample and brand by Engineer in charge is necessary before use.)				1 Rm (One Running Metre)	
14	8.00	m2	Painting with one coat primer and two coats of emulsion in all floors including cost of paint, primer, brushes, scaffolding charges, etc., complete complying with standard specification and as directed by the engineer in charge	Special			1 m2 (One Square Metre)	
15	2.00	no	Supply, installation and commissioning of sludgcutter pump of approved make for pumping of water (1 HP) . Includes civil works, fabrication work for mounting the pump , neccesary plumbing as per the instructions of Engineer In charge.( As Per Quotation )	Special			1 Nos (One Numbers)	
16	1.00	no	Geophysical survey charges etc complete.	Special			1 Nos (One	

Sl. No.	Probable Quantity		Description of Work	MDSS/TNBP/ NBC / SSRB No/MORTH	In Figures	In Words	UNIT in Figures and Words	Amount
17	60.00	m	Drilling of 150 mm dia vertical Bore in overburden soil to required depth and including for inserting casing pipe ,necessary grouting for casing pipe ,charges for the rig and supported vechiles from one place to another place including transporting charges etc complete.				1 Rm (One Running Metre)	
18	230.00	m	Drilling of 150 mm dia vertical Bore in hard rock area to required depth and including necessary grouting for casing pipe ,charges for the rig and supported vechiles from one place to another place, including transporting charges etc complete.				1 Rm (One Running Metre)	
19	60.00	m	Supply,delivery and erection of antiplasticied plain 150mm dia PVC casing pipes in 6m length with screwed and socked as per ISI 2818/1992 and as amended from time to time to suit deep borewell upto 80m depth (CM) for delivery at site including loading, unloading freight charges and insurance etc complete.				1 Rm (One Running Metre)	

Sl. No.	Probable Quantity		Description of Work	MDSS/TNBP/ NBC / SSRB No/MORTH	In Figures	In Words	UNIT in Figures and Words	Amount
20	1.00	no	Supply and delivery of vertical wet type submergible pumpset(10.0HP) capable of discharging any of the following pumpage in 50 LPM against noted head in 275 M suitable for erection into the borewell of 150mm with stainless steel shafty,bronze implelled and the non return valve located at top of the pump in the discharge outlet connection is to be designed with minimum friction.The pumpset shouldbe provided with 3m length suitable size of PVC insulated copper flat cable connection to the pumpset and starter.The pumpset should conform to IS 8034/2002 and as amended these and bearing ISI markingstart) (3.1,-11,2)				1 Nos (One Numbers)	
21	470.00	m	Supply and delivery of 1.1 Kv grade PVC insulated 4 sqmm 2 run 3 core flat type copper cable confirming to ISI 694/1990 with ISI marking of one running meter repulated for submergible motor erected in borewell.				1 Rm (One Running Metre)	
22	1.00	no	Supply of 63 AMPS three phase 500 V 4 pole Change over switch				1 Nos (One Numbers)	
23	210.00	m	2" GI pipe 'B' class	Special			1 Rm (One Running Metre)	
24	1.00	No	Supply of 2"GI Bend	Special			1 Nos (One Numbers)	



Sl. No.	Probable Quantity		Description of Work	MDSS/TNBP/ NBC / SSRB No/MORTH	In Figures	In Words	UNIT in Figures and Words	Amount
25	1.00	no	Supply of 2" GM Gate Valve	Special			1 Nos (One Numbers)	
26	2.00	no	Supply of 3" GM Gate Valve	Special			1 Nos (One Numbers)	
27	2.00	no	2" M S Patta clamp	Special			1 Nos (One Numbers)	
28	2.00	no	2" G I elbow	Special			1 Nos (One Numbers)	
29	1.00	no	2" G M Non Return valves	Special			1 Nos (One Numbers)	
30	2.00	no	2" MTA	Special			1 Nos (One Numbers)	
31	1.00	no	3" x 2" G I Reducer	Special			1 Nos (One Numbers)	
32	4.00	no	3" PVC MTA	Special			1 Nos (One Numbers)	
33	2.00	no	3" PVC Tee	Special			1 Nos (One Numbers)	

Sl. No.	Probable Quantity		Description of Work	MDSS/TNBP/ NBC / SSRB No/MORTH	In Figures	In Words	UNIT in Figures and Words	Amount
34	2.00	no	3" PVC End cap	Special			1 Nos (One Numbers)	
35	4.00	no	3" PVC Bend	Special			1 Nos (One Numbers)	
36	1.00	no	Supply and Delivery of MS Kiosk of size 0.75m x 0.45m x 0.75m made up of MS angle of size 50mm x 50mm x 4mm alround covered with 16 gauge Ms Sheet and Kiosk door Made up of MS plates of Size 25mm x 3mm including cutting ,Welding,Grinding,locking arrangement and labour charges ect.,	Special			1 Nos (One Numbers)	
37	1.00	No	Labour charges for the erection of submersible pumpset in borewell/openwell including fixing and jointing submersible cable withproper clamps upto the starter to required depth and also fixing of riser pipes to the required depth valves erection clamps, pressure gauges upto the exterior wall of pump room and erection of panel board consisting of TPICN switches starter,voltmeter, Ammeter, three pilot (indicating) lamps capacitor single phasing preventor, water level guard and laying and jointing the cables and twin earthing as per IE rules etc., complete and testing the pumpset and trail run for 10 days.				1 Nos (One Numbers)	
38	1.00	No	Supply and delivery of 3 Phase Panel Board - D.O.L. With Two Level Guard And Auto Start of ISI Manufacture.				1 Nos (One Numbers)	

Sl. No.	Probable Quantity		Description of Work	MDSS/TNBP/ NBC / SSRB No/MORTH	In Figures	In Words	UNIT in Figures and Words	Amount
39	3.00	No	100 AMS Porcelain Fuse unit (500L)				1 Nos (One Numbers)	
40	1.00	No	5 KVR Capaciter				1 Nos (One Numbers)	
41	3.00	m	Supply and run of 4x6 sq.mm (84/0.30) PVC insulated SC unsheathed CU.Conductor of 1100 V Grade in 32mm dia GI pipe (Class ;B') Suitably bent at both ends with Necessary angle iron up right and end supports for main. (SD 73)				1 Rm (One Running Metre)	
42	50.00	m	Supply and run of 4x6 sq.mm (84/0.30) PVC insulated SC unsheathed CU.Conductor of 1100 V Grade on 7/20 GI bearer wire for Service connection main.(SD 68)				1 Rm (One Running Metre)	
43	21.00	m3	Earth work excavation for foundation in hard stiff clay black cotton soil hard red shales murams gravel stoney earth and muds, boulders and gravelly soils ( SS20 B ) with intitial lead lift etc. complete.				1 m3 (One Cubic Metre)	
44	50.00	m	Cost and supply PVC pipeOD(90 mm) 6 kg/cm2 as per standard specification including the cost of pipe and third party testing charges if necessary , including cost and conveyance of all charges etc complete . ( sr pg21)				1 Rm (One Running Metre)	

Sl. No.	Probable Quantity		Description of Work	MDSS/TNBP/ NBC / SSRB No/MORTH	In Figures	In Words	UNIT in Figures and Words	Amount
45	50.00	m	Laying of PVC pipes OD(90mm) 6 kg/cm2 in proper Gradient and alignment, including cost and conveyance of all charges etc complete . ( sr pg 248)				1 Rm (One Running Metre)	
46	21.00	m3	Refilling the trench with excavated earth other than sand including cost & Conveyance of all other labour & material charges to site etc., complete complying with standard specifications.( sr pg 287)				1 m3 (One Cubic Metre)	
47	1.00	no	Provision For MS Kiosk bed pedestal Suplementry				1 Nos (One Numbers)	
48	310.00	Rm	Armoured cat-6 cable				1 Rm (One Running meter)	
	1.00	no	POE switch for camera				1 Nos (One Numbers)	
	1.00	no	Hard Disk for LVR 6 TB				1 Nos (One Numbers)	
	1.00	no	NVR 8 Channel				1 Nos (One Numbers)	

Sl. No.	Probable Quantity		Description of Work	MDSS/TNBP/ NBC / SSRB No/MORTH	In Figures	In Words	UNIT in Figures and Words	Amount
	8.00	no	CCTV camera				1 Nos (One Numbers)	
	1.00	no	6U Rack				1 Nos (One Numbers)	
	16.00	no	RJ 45				1 Nos (One Numbers)	
	16.00	no	RJ 11				1 Nos (One Numbers)	
	1.00	no	29" LED TV				1 Nos (One Numbers)	
49	1 Nos	no	MBBR media and Setteling tank parallel plate with minimum 400m2/m3 of surface area.(As Per Quotation )				1 Nos (One Numbers)	
50	1 Nos	no	MOC of screen: - uPVC, Lobe type Blower : 100 m3/hr @ 4.5mWC Air diffusers:- Disc type 9 inch, Air blowers: 1W+1S of 5 HP.(As Per Quotation)				1 Nos (One Numbers)	
51	1 Nos	no	Inlet connection piping of plant : All piping shall be made of uPVC SCH 40 / PVC 4 kg/cm2 or 6 kg/cm2 with fittings. Air piping shall be made of SS 304 with epoxy painting.(As Per Quotation)				1 Nos (One Numbers)	

JUNIOR ENGINEER,  
Town Panchayats, Periyanaickenpalayam Zone,  
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