

**KALLUKOOTTAM TOWN PANCHAYAT
SCHEDULE - A**

Schedule of rates and approximate quantities

a) The quantities here given are those upon which the estimate cost of the work is based but they are subject to alterations, commissions, deduction or additional as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit rates notes below are those government payment for extra or deductions of commission according to the condition of the contract set forth in the payment preliminary specification of the Madras standard specification read with the Town Panchayat councils adaptation from and other conditions or specification of this contract and subject to the accepted tender percentage either below, above or at estimate rates a defined in the tender and as shown at the end of Schedule "A".

b) It is expressly understood that measured work is to be taken net-not withstanding any custom to practice to the contrary according to actual quantities when in the place and finished according to the drawings or as may be ordered from time by the Assistant Executive Engineer at the cost calculated by measurement or weight at the respective prices with out any additional charge for any necessary or contingent works connected herewith. The rates quoted are for works In-SITE and completed in every respect.

c) The material required for the works must be supplied by the contractor and of the approved quality.

Name of work: Construction of Health Sub Center at Udayarvilai village Survey No. 794/12 in Kallukoottam Town Panchayat

Estimate amount: Rs. 30.00 Lakhs

Bid value: Rs. 29.69 Lakh

EMD: Rs. 30,000/-

Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
1	154.00	m ³	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 SS 20 B TNDSS NO: 23&24VI (S2), VII 9,10.	TNDSS NO: 23&24VI (S2), VII 9,10.			1.00m ³ (One Cubic Metre)	

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Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
2	8.00	m ³	Supply, collection and filling of Gravel from approved quarry including all cost and conveyance to site, stacking them on road side to departmental gauge for the take premeasurement. Each layer not more than 15cm thick and consolidation properly etc complete. TNDSS No : 301 & 305	TNDSS No : 301 & 305			1.00m ³ (One Cubic Metre)	
3	41.00	m ³	Refilling the basement with excavated earth other than sand complying the standard specification				1.00m ³ (One Cubic Metre)	
4	21.00	m ³	Plain 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. TNDSS NO: 28 V, VI (S2) V,VI (S5A) VII	TNDSS NO: 28 V, VI (S2) V,VI (S5A) VII			1.00m ³ (One Cubic Metre)	
5			Brick work in cement mortar 1:5 mix using (One cement and five sand) using best quality of III class Country bricks of size (8 3/4"x4 1/4"x 2 3/4") for foundation including curing cost and conveyance of all materials to site and all labour charges etc., complete as per standard specification TNDSS specification No.31 & 31C.					
	18.97	m ³	Upto Basement	TNDSS specification No.31 & 31C.			1.00m ³ (One Cubic Metre)	
	44.19	m ³	Above Basement	TNDSS specification No.31 & 31C.			1.00m ³ (One Cubic Metre)	

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6	4.16	m ³	Brick work in cement mortar 1:3 mix using (One cement and three sand) using best quality of III class Country bricks of size (8 3/4"x4 1/4"x 2 3/4") for foundation including curing cost and conveyance of all materials to site and all labour charges etc., complete as per standard specification TNDSS specification No.31 & 31C.	TNDSS specification No.31 & 31C.			1.00m ³ (One Cubic Metre)	
7			Supplying and erecting steel centering for sides and soffits including supports and strutting upto 3.29 m height for plain surface as RCC slabs, rectangular tee (or) elbeams, lintel, bed block stair case waist slab, landing slab, etc., complete as per standard specification - 10m ² as per TNDSS & Morth specification No:30 & 36					
	112.09	m ²	Below Basement	TNDSS & Morth specification No:30 & 36			1.00m ² (One Square Metre)	
	261.91	m ²	Ground level to basement	TNDSS & Morth specification No:30 & 36			1.00m ² (One Square Metre)	
8			Reinforced cement concrete 1:11/2:3 (one cement one and half sand and three aggregate) using 20mm size I.S.S. metal including cost conveyance of materials to site and all labour charges etc., mixing laying consolidating curring etc., but excluding cost of steel etc., complete as per standard specification as per TNDSS NO: 30 V,VI (S3) VII-3					

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Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
	24.41	m ³	Below Basement	TNDSS NO: 30 V,VI (S3) VII-3			1.00m ³ (One Cubic Metre)	
	30.66	m ³	Basement to Ground floor	TNDSS NO: 30 V,VI (S3) VII-3			1.00m ³ (One Cubic Metre)	
9	6000.00	Kg	Supplying, fabricating and placing in position of mild steel or TMT rods, including cost of steel and binding wire and all labour charges for cutting, bending, tying and placing in position etc, complete as per SS. TNDSS NO: 97 V,VI (S6) VII (S6) VII-3	TNDSS NO: 97 V,VI (S6) VII (S6) VII-3			1.00 Kg (One Kilo gram)	
10	6.61	m ³	Weathering course with concrete broken brick jelly 20mm size in pure slacked lime (no sand to be added) over roof slab the proportion of brick jelly to lime being 32 to 12.5 well beaten with wooden beaters for giving required slope and thickness as directed by the departmental officers.				1.00m ³ (One Cubic Metre)	
11	96.18	m ²	Terrace flooring with Hydraulic pressed tiles of size 20*20*2cm laid in c.m 1:3 (one cement three sand) mixed with crude oil 10 %, by weight of cement and pointed with same oiled mortar etc complete as per SS				1.00m ² (One Square Metre)	

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					Figures	Words		
12	97.87	m ²	Paving the floor with Plain/Design Ceramic tiles (Colour and shade as directed) of Stain Free Nano Polish Vitrified Tiles of size 600 x 600 x 8mm in all floors over a base layer of cm 1:3 mix 20mm thick laid in situ and pointed with same coloured cement (white cement mixed with colouring pigment) neatly and fixed in position so as to make it perfectly smooth and shining, to the alignment etc. complete complying with standard specifications and as directed by the departmental officers. The sample colour and shade of the ceramic tiles should be got approved from the departmental officers before use in the works				1.00m ² (One Square Metre)	
13	10.80	m ²	Granolithic Floor finishing with Cement Concrete 1:2:4 (One part of cement, two parts of sand and four parts of ISS HBG metal) mix using 10mm to 12mm ISS size HBG metal to 25mm thick including cost and conveyance of all materials etc. and all labour charges etc. complete as per Standard specification and as directed by the departmental officers. TNBP No:39-F (20mm thick)				1.00m ² (One Square Metre)	
14	4.05	m ²	Paving the flooring with special type of flooring tiles (Cement based Hydraulically pressed Anti skid tiles (20mm thick) in CM 1:3, 20mm thick				1.00m ² (One Square Metre)	

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					Figures	Words		
15	25.10	m ²	Dadoing with glazed tiles of 300mm*200mm*6mm size of approved quality and colour set in c.m 1:2mix (one cement and two sand) 10 mm thick and pointing with white cement using 0.4 kg /m2 neatly as directed - including cost of all materials and labour charges etc complete as per SS				1.00m ² (One Square Metre)	
16	12.00	m	Providing and fixing 4" dia PVC rain water down fall pipes with necessary PVCshoes, pvcbends, other specials clamps, screws, nails, teekwood plucks etc, complete including cost of all materials and labour charges as per SS. for 110mm dia pipe 4 kg. per cm2				1.00m (One Metre)	
17	573.92	m ²	Plastering in cement mortar 1:5 (one cement, five sand) using 12mm thick including cost and conveyance of all materials and labour charges etc, complete as per standard specification. TNDSS NO: 61 V,VI (S4)	TNDSS NO: 61 V,VI (S4)			1.00m ² (One Square Metre)	
18	87.42	m ²	Plastering in cement mortar 1:3 (one cement three sand) using 10mm thick including cost and conveyance of all materials and labour charges etc, complete as per standard specification. [MoRTH Specification: Clause:1000/1300]	MORTH Specification: Clause: 1000/1300			1.00m ² (One Square Metre)	

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19	661.34	m ²	Painting two coats with ready mixed Plastic Emulsion Paint S.I.358 Plastic emulsion paint of approved quality and colour over a priming coat, including thorough scraping, clean removal of dirt, etc complete and including necessary plaster of paris, putty, wherever required including cost and conveyance of all materials etc.and all labour charges etc.complete as per Standard specification and as directed by the departmental officers. TNBP No:66-A (SI.No.358)	TNBP No:66-A (SI.No.358)			1.00m ² (One Square Metre)	
20	77.64	m ²	Painting two coats over new iron work with ready mixed paint of approved quality and colour including cost of all materials and labour charges etc complete as per SS				1.00m ² (One Square Metre)	

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21	8.40	m ²	Supplying and fixing Door shutters with Medium Density Fibre Board of exterior grade both sides laminated 35 mm thick conforming to IS 12406/1969 with 35x12 mm Teak wood lipping on all edges with dried soft wood. The rate includes cost of materials, cost of aluminium furniture fittings such as 6 Nos of aluminium hinges 125mm, 1 No Aldrop 250x16 mm, 1 No Tower Bolt of 225mm and 1 No tower bolt of 150mm, 2 Nos handles, 1 No Rubber push, and 1 No Door stopper in case of double leaf door and 3 Nos of Alu Hinges 125 mm, 1 No Aldrop 250x16mm, 1 No Tower Bolt 225mm, 1 No Tower Bolt 150mm, 2 Nos Alu Handle 1 No door stopper, 1 No Rubber Bush, in case of single leaf door. Ther rate is inclusive of labour for fixing in position complete complying with standard specification.				1.00m ² (One Square Metre)	
22	6.30	m ²	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.				1.00m ² (One Square Metre)	

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23	18.72	m ²	UPVC Window: Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 125GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with spag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown colour glass 4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon pacClause 507 of MORTH Rev-5. The window should be got approved from the				1.00m ² (One Square Metre)	

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24	1.62	m ²	UPVC Ventilator: Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Louvered Ventilators of from the profile the size of outer frame 60mm x 58mm and shutter profile size of 60 x 78mm both profiles are reinforced with GI/1mm 125GSM and 100% corrosion free, the profile are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with all over the edges of frame and shutter. The corners and joints should be welded and cleaned. Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The ventilator should be got approved from the Executive Engineer before use on work				1.00m ² (One Square Metre)	
25	2	Nos	Supplying & Fixing in position of white glazed Indian type water closet with 'P' (or) 'S' trap and Orissa slope set in brick jelly cement concrete 1:4:8 100mm thick using 20mm thick brick jelly ISS gauge and finished to sludge out any leakage and defalut including cost of WC 'P' (or) 'S' trap and foot rest etc., complete				1 No (One Number)	
26	2	Nos	Supplying and fixing in position colour Europen water closet with low level flushing tank of 10 lit capacity of best quality and approvel make with 100mm 'p' or 's' trap with double flapped rigid PVC seat cover with CP brass etc. Complete complying with standard specifications and as directed by the department officers (EWC should got approvel by the executive work before use on work.)				1 No (One Number)	

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27	4	Nos	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)	
28	10	Nos	Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper 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 FT 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 No (One Number)	

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					Figures	Words		
29	10	Nos	Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper 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 FT switch and making good of the concealed portion with suitable colour for PVC concealed light (6 points per coil) (for rooms like bath, toilet & pumproom, etc.) (SD-26)				1 No (One Number)	
30	10	Nos	Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories in flush with wall with 150mm x 100mm x 113mm TW switch box with 3mm thick hylem sheet cover for 5A 3 pin non inter locking wall socket with 5A flush type switch with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour for concealed PVC plug point (SD-38)				1 No (One Number)	

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31	4	Nos	Wiring with 2 x 4 sq.mm. (56 / 0.3) PVC insulated single core unsheathed copper conductor cable of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories in flush with wall with 150mm x 100mm x 113mm TW switch box with 3mm thick hylem sheet for 15A 3 pin non inter locking wall socket with 15A flush type switch with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour for concealed power plug point (SD-40)				1 No (One Number)	
32	10	Nos	Supply and fixing of 1200mm (48") sweep AC ceiling fan complete with stepped electronic 300W regulator with 1 metre down rod with fan clamp with side plates and cross arm of size 450mm (18") (SD-106)				1 No (One Number)	
33	5	Nos	Supply and fixing of 300mm (12") sweep (light duty) AC exhaust fan complete with necessary wall opening and making good of the wall. (SD-114)				1 No (One Number)	
34	10	Nos	4' 18W Crystal Glass LED Tube Light Fitting (Electrical data 2021-2022)				1 No (One Number)	

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35	2	Nos	Supply and fixing of TNEB meter board suitable for 3 phase 200A service connection made up of suitable angle iron frame work of size 3 feet x 2 feet using angle iron of size 1-1/2" x 1-1/2" x 1/4" rigidly fixed on wall covered with hylem sheet of size 3 feet x 2 feet of 12mm thickness with necessary bolts and nuts supports and supply and fixing of 3 Nos. 200A fuse units (500V), 1 No. Neutral link, copper earth flat of size 1" x 1/4" with inter connection of EB meter to fuse units by 19/16 PVC insulated copper wire with earth connection complete. (SD-131)				1 No (One Number)	
36	20	Nos	Supply and run of 2 of 6 sq.mm. (84 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V on 7 / 20 GI bearer wire for service connection mains (SD-66)				1 No (One Number)	
37	10	Nos	Supply and run of 1 of No.8 SWG GI wire for earth connection (SD-74)				1 No (One Number)	

Note: Thirty seven items only

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