

**GANAPATHIPURAM 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 New PHC building to Ganapathipuram Primary Health Center at Ganapathipuram PHC premises in Ganapathipuram Town Panchayat

Estimate amount: Rs. 60.00 Lakhs

Bid value: Rs. 55.42 Lakh

EMD: Rs. 60,000/-

Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
1			Earth work excavation for foundation in Hard sEarthwork 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	TNSS 23 & 24, V, VI (S2), VII, 9,10				

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Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
	118.00	m ³	First Depth				1.00m ³ (One Cubic metre)	
	148.00	m ³	SDR				1.00m ³ (One Cubic metre)	
2	12.00	m ³	Supply, collection and filling of Stone dust 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	37.00	m ³	Plain Cement Concrete of mix 1 : 4 : 8 (One part of Cement four part of sand eight part of aggregates) using 40mm gauge hard broken including cost conveyance of all materials to site including formwork and centering labour charges, transporting and placing in position including shoring, strutting, forming protective bunds, cofferdams bailing out of water labour for mixing compacting, finishing and curing, working at depths, tools and plants and incidental charges such as sheeting, shoring and bracing and their subsequent removal etc., complete as per standard specification. 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)	

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					Figures	Words		
4	10500.00	Kg	Supplying, fabricating and placing in position M.S. or R.T.S. reinforcements grill for RCC works as per the design given including cost of steel and binding wire etc., complete complying with standard specification. (The contractor will have to make his own arrangements for the supply of M.S. plain rods / RTS rods and binding wire)	TNDSS NO: 97 V,VI (S6) VII (S6) VII-3			1.00Kg (One Kilo gram)	
5			Supplying and errecting centering for Sides and Soffits including necessary supports and strutting upto3.29mt height for plane surfaces as detailed below in all floors with all cross bracings using mild steel sheets of size 90mm x60mm and 10BG stiffened with welded mild steel angles of size 25mm x 25mm x 3mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 90cm centre to centre and supported by casurina props of 10cm to 13cm dia supported at not more than 75cm centre to centre etc complete Complying with standard Specification without Strutting.(TNSS NO or NBC No 30(S) 86 86 A V, VI(S3)VII					
	167.00	m ²	Column Footing	TNSS NO or NBC No 30(S) 86 86 A V, VI(S3)VII			1.00m ² (One Square metre)	
	209.00	m ²	Column	TNSS NO or NBC No 30(S) 86 86 A V, VI(S3)VII			1.00m ² (One Square metre)	
	341.00	m ²	Roof Slab	TNSS NO or NBC No 30(S) 86 86 A V, VI(S3)VII			1.00m ² (One Square metre)	

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					Figures	Words		
6			Providing and laying in position, Standardized Concrete Mix M20 Grade in accordance with IS: 456-2000, Using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 325 kg/m ³ and maximum water cement ratio of 0.55, including admixture (plasticiser super plasticiser) in recommended proportions as per IS:L 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5 cum) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 cum) 5156 kg. of 10-12 mm machine crushed stone jelly and with about (4.79 cum) 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 the 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).					
	47.00	m ³	For column footing	30 V, VI (S5) VII & 13			1.00m ³ (One Cubic metre)	
	29.00	m ³	Column up to Roof beam	30 V, VI (S5) VII & 13			1.00m ³ (One Cubic metre)	

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					Figures	Words		
	26.00	m ³	Roof Slab	30 V, VI (S5) VII & 13			1.00m ³ (One Cubic metre)	
7	2.00	m ³	Reinforced Cement Concrete 1:8:16 Mix (One part cement, eight part sand and sixteen part of aggregate)using 20mm size ISS HBG metal machine crushed from approved quarry including cost and conveyance of all materials to site, loading and unloading charges and labour charges for mixing, laying and curing but excluding cost of reinforcement etc. Complete with std. Specifications as per TNDSS NO: 30 V, VI (S3), VII-3.	TNDSS NO: 30 V, VI (S3), VII-3.			1.00m ³ (One Cubic metre)	
8	60.00	m ³	Supply and filling of well gravel including cost and conveyance of all etc comolete Complying With standard specification for filling in foundation and basement complying with standard specification and all labour charges and all other incidental charges etc., complete	TNDSS No : 301 & 305			1.00m ³ (One Cubic metre)	
9			Brick work in CM 1:5 (one cement & five sand) using II class ground moulded bricks of size 9"X43/8"X 23/4" standard specification including finishing, curing,etc., complete complying with standard specification 31 & Similar to 31C V, VI (S5) VII					
	23.00	m ³	Below Basement	31C V, VI (S5) VII			1.00m ³ (One Cubic metre)	
	71.00	m ³	Ground Floor	31C V, VI (S5) VII			1.00m ³ (One Cubic metre)	

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					Figures	Words		
	23.00	m ³	1st Floor	31C V, VI (S5) VII			1.00m ³ (One Cubic metre)	
10	199.00	m ²	Special ceiling Plastering in Cement Mortar 1:3 Mix (one Cement, Three sand) 10mm thick including cost and conveyance of all materials to site, loading and unloading charges and labour charges for mixing, laying and curing etc. complete . complying with std. specifications-10 m2.	TNDSS NO: 61 V,VI (S4)			1.00m ² (One Square metre)	
11	861.00	m ²	Plastering in Cement Mortar 1:5 Mix (one part of Cement,, five part of sand)12mm thick including cost and conveyance of all materials to site, loading and unloading charges and labour charges for mixing, laying and curing etc. complete. Complying with std. specifications.TNDSS NO: 56, 57	TNDSS NO: 61 V,VI (S4)			1.00m ² (One Square metre)	
12	205.00	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 standared 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)	

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					Figures	Words		
13	199.00	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)	
14	23.00	m ²	Floor Finishing First Quality Design Ceramic tiles of All colours of sizes 305mm x 305mm x 6mm. laid in cm 1:3 mix 10mm thick and pointing with white cement using 0.4kg/sqm including finishing the joint and pointing flush with tiles surface etc complete				1.00m ² (One Square metre)	
15	4	Nos	Supplying and fixing in position colour glazed EUROPEAN WATER CLOSET with 'P' or 'S' trap and double flapped seat cover, 12.50 litres capacity P.V.C. low level FLUSHING TANK including all internal fittings fixed on C.I. brackets, 12mm PVC or brass nipple, chromium plated brown headed stopcock, 12mm nylon connection with necessary teakwood plugs, clamps, screws to the portion coming with walls and floors, including dismantling masonry and redoing the same to the original condition.				1.00 No (One Number)	

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Sl. No.	Probable Qty. in figures	Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
				Figures	Words		
16	4 Nos	Supplying and fixing in position best Indian make colour glazed earthenware WASH HAND BASIN of 560x406mm with a a pair of C.I. Brackets, 15mm dia C.P. Pillar tap, 32mm G.I. Waster water pipe, 32mm dia C.P. Brass waster coupling, plug with chain, 15mm dia PVC connection, 15mm G.M. wheel valve with ISI mark and necessary G.I. union and G.I. Elbow, including fixing wash hand basin in position with white lead, clamps, teakwood plugs, screws, rubber washer etc., complete without any leakage complying with standard specifications.				1.00 No (One Number)	

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					Figures	Words		
17	32.00	m ²	Fabricating, supplying and fixing in position of SOLID UPVC DOORS with frames of different sizes as per the specifications given below: PVC door frames made out of best quality PVC extruded section of 40mm * 58 mm * 2.50 mm +/- 0.3 mm thick, having multichamber cross section and duly reinforced with steel to be mitre cut at the corners and welded including providing tie rod at the bottom and necessary weather seal etc., and PVC door shutters made out of extruded plastic section of 60 mm * 24 mm size in the configuration of an "A" section for shutter frames and multi-chamber hollow plastic section of 200 mm * 200 mm * 1 mm (average thickness) with tongue and groove section for panels etc., with necessary holdfasts, rubber beddings, furniture fittings, locking arrangements etc., complete including dismantling the masonry, making chippings, holes in the RCC column, beam etc., wherever necessary with power drill to the extent required and redoing the same to the original condition after fixing etc., complete as per specifications and as directed by the departmental officers.				1.00m ² (One Square metre)	

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					Figures	Words		
18	24.00	m ²	Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 125GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with Espag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown colour glass 4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The window should be got approved from the Executive Engineer before use on work				1.00m ² (One Square metre)	

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					Figures	Words		
19	2.00	m ²	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 ilicon 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)	
20	1060.00	m ²	Painting the new plastered walls with two coats of Exterior emulsion paint (weather proof) first class quality and of approved colour over a priming coat including thorough scrapping clean removal of dirt etc. complete and including necessary plaster paris putty etc. wherever required.as per (ISI STD) (It mustprovide excellent resistance against the growth of algae and fungi on the walls. And it must offer excellent protection against alkali and UV degradation and the durability period should be 5 years. 61 V, VI (S4) 3				1.00m ² (One Square metre)	

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					Figures	Words		
21	15.00	m ³	Weathering course over roof slab using 20 mm size brick jelly mixed with pure slacked lime no sand to be used the proportion being 32:121/2 including cost and convenience of all materials to working site, well beating with wooden beaters giving necessary slope and thickness including finishing neatly etc.				1.00m ³ (One Cubic metre)	
22	188.00	m ²	Finishing the top of roof with one course of machine pressed tiles of size 200 mm x 200 mm x 20 mm of approved quality in Cement Mortar 1:3 (One Cement add three sand) 12 mm thick mixed with water proofing compound conforming to ISS at 2% by weight of cement used and the joints pointed neatly to full depth of tiles with the same cement mortar mixed with red oxide and water proofing compound including curing etc., complete				1.00m ² (One Square metre)	
23	40	Nos	Wiring with 2 x 1.5 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 accessories in flush with wall with 3mm thick hylum sheet cover with TW switch box and 5A F.T switch with continuous earth wire connection of 14 SWG TC wire for making good of the concealed portion with suitable colour for PVC concealed light point / Fan point (For electronic regulator). (SD-23)				1.00 No (One Number)	

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				Figures	Words		
24	15 Nos	Wiring with 2x1.5sqmm (22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100 V grade in suitable PVC rigid pipe on wall and ceiling with PVC accessories with 150 x 100 x for open PVC plug point.inter locking CS plug with painting of suitable colour with continuous earth wire connection of 14 SWG TC wire for PVC Plug Point (SD-36)				1.00 No (One Number)	
25	10 Nos	Wiring with 2x4 sqmm(56/0.3) PVC insulated SC unsheathed Cu.Conductor cable of 1100V grade in suitable pipe on wall and ceiling with PVC accessories with 150 mm x 100 mm x 63mm TW switch box for 15 A 3 pin non inter locking CS plug with painting of suitable colour, with continuous earth wire connection of 14 SWG TC wire for open PVC power plug point. (SD-39)				1.00 No (One Number)	
26	25 Nos	Supply and fixing of single box type 4'x18w crystal glass LED Tube light with TW round blocks on wall or ceiling with flu tube with PVC unsheathed Copper leads from terminals to the fitting. (SD-88)				1.00 No (One Number)	
27	12 Nos	Supply and fixing of 1200 mm (48") AC ceiling fan complete with stepped electronic 300W regulator with 1meter down rod on the existing clamp. (SD-107)				1.00 No (One Number)	
28	10 Nos	Supply and Fixing of WT Bulk Head Fitting with guard (Philips / Bajaj / K. Lite) Suitable for 11W CFL Lamp with CFL (SD-83)				1.00 No (One Number)	
29	4 Nos	Supply and Fixing of 48w Outdoor LED Street Light Fitting (PWD SOR 17-b)				1.00 No (One Number)	

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					Figures	Words		
30	30.00	m	Supply and laying of 31/2 x 25 sqmm pvc armoured LTUG Cable in a trench to be excavated at a depth of 0.75m putting 0.150 layer of sand and covering the cable completely (SD-204)				1.00 m (One metre)	
31	1	No	Supply and fixing of TNEB Meter Board suitable for 3 Phases 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)				1.00 No (One Number)	
32	52.00	m	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..107 V, VI (S1) VII				1.00 m (One metre)	

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					Figures	Words		
33	15.00	m ²	Manufacturing, Supplying and Fixing of Manufacturing, Supplying and Fixing of Stainless Steel Handrails for staircase using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick at required locations to a height of 900mm from finished floor level welded to 38mm dia Stainless Steel pipe post of 1.00mm thick as vertical at 900mm centre with 2 Nos. of 25mm dia intermediate horizontal stainless steel pipe of 1.60mm thick in between. The vertical pipe has to be welded to the 100 X 100 X 6mm MS base plate encased in the base concrete. The rate is inclusive of the charges for cutting, bending, welding, grinding, polishing, conveyance, electrical charges, etc. complete PWD SOR Page No: 57 Sl. No : 244				1.00m ² (One Square metre)	
34	3.00	m ³	Supply of 40mm ISS HBG metal from approved quarry and filling the same, including cost and conveyance of materials, labour charges for filling, etc., complete.				1.00m ³ (One Cubic metre)	
35	2.00	m ³	Supply of 20mm Brick Jelly from approved quarry and filling the same, including cost and conveyance of materials, labour charges for filling, etc., complete.				1.00m ³ (One Cubic metre)	

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36	3.00	m ³	Supply of 20mm ISS HBG metal from approved quarry and filling the same, including cost and conveyance of materials, labour charges for filling, etc., complete.				1.00m ³ (One Cubic metre)	

Note: Thirty six items only

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