

PROCEEDINGS OF THE SUPERINTENDING ENGINEER (GENERAL) i/c
GROUND WATER DEPARTMENT, JALAVIJNANA BHAVAN,
AMBALAMUKKU, THIRUVANANTHAPURAM
(PRESENT: Smt. Rini Rani.S)

Sub: Ground Water Department – Thrissur - Implementation of Mini Water Supply Scheme at Thekkumpuram in Tholur Grama Panchayath in Thrissur District under Groundwater based drinking water supply scheme – Technical sanction accorded - orders issued.

ORDER NO:- T(1) / 2349/2022/DGW

Dated: 15.07.2022

Read:- 1. Letter No. DGT/1220/2021, dated 06-04-2022 from District Officer, Ground Water Department, Thrissur.
2. Order No. T(1) 2349/2022/DGW dated: 06/07/2022 of Director, Ground Water Department, Thiruvananthapuram.

ORDER

As per the letter read 1st, District Officer, Ground Water Department, Thrissur has forwarded a proposal with detailed estimate for an amount of Rs. 23,00,000/- for the implementation of mini water supply scheme at Thekkumpuram in Tholur Grama Panchayath in Thrissur District under Groundwater based drinking water supply scheme for the year 2022-23.


The proposal for the implementation of Mini Water Supply Scheme submitted by the District Officer has been verified and the amount is limited to Rs. 22,60,000/- (Rupees Twenty two lakhs and sixty thousand only).

As per the order read as 2nd paper Administrative Sanction for an amount of Rs. 22,60,000/- (Rupees Twenty two lakhs and sixty thousand only) has been accorded by the Director of Ground Water Department for implementation of the above scheme by e-tendering.

After examining the matter in detail, technical sanction is hereby accorded to the District Officer, Ground Water Department, Thrissur for an amount of Rs. 22,60,000/- (Rupees Twenty two lakhs and sixty thousand only) for the implementation of mini water supply scheme by e-tendering at Thekkumpuram in Tholur Grama Panchayath in Thrissur District under Groundwater based drinking water supply scheme.

The District Officer, Ground Water Department, Thrissur should ensure that the work is carried out as per Government rules and that the scheme satisfies all the norms and conditions of Ground Water Based Drinking Water Supply Scheme. The scheme after completion should be handed over to the beneficiary committee. The beneficiary committee should run and carry out further maintenance of the scheme and meet all expenditure for the purpose. The work should be supervised by the technical staff of the department. District Officer should also make sure that the payment is made only as per the actual quantity and measurement of each item.

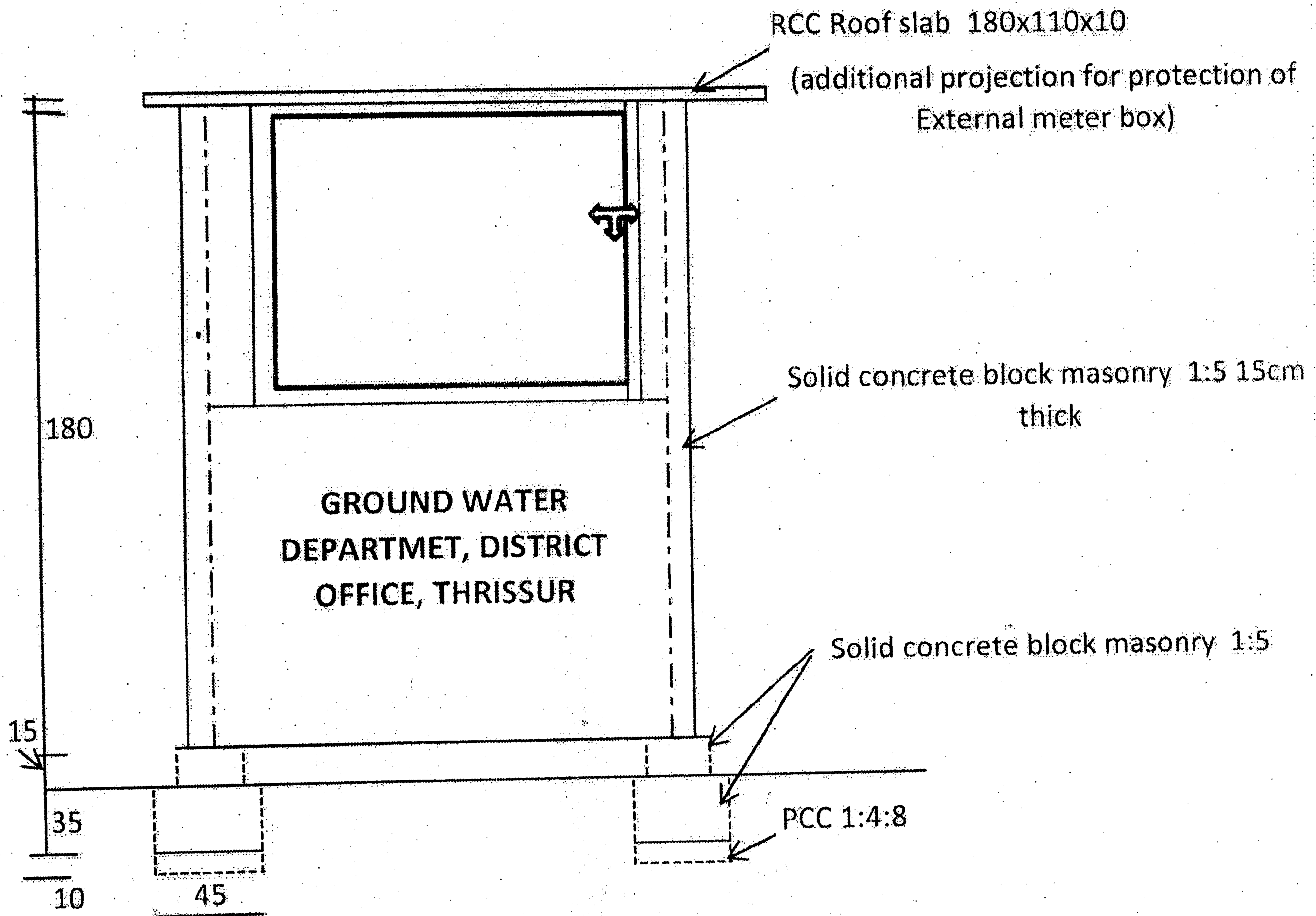
The expenditure in this regard can be met from the budget provision of Rs. 400 lakhs under the Head of account "4702-00-102-94 scheme for Ground Water Based Drinking Water Scheme " for the financial year 2022-2023. The date of completion of the scheme is to be intimated at an early date.


Superintending Engineer (General) i/c

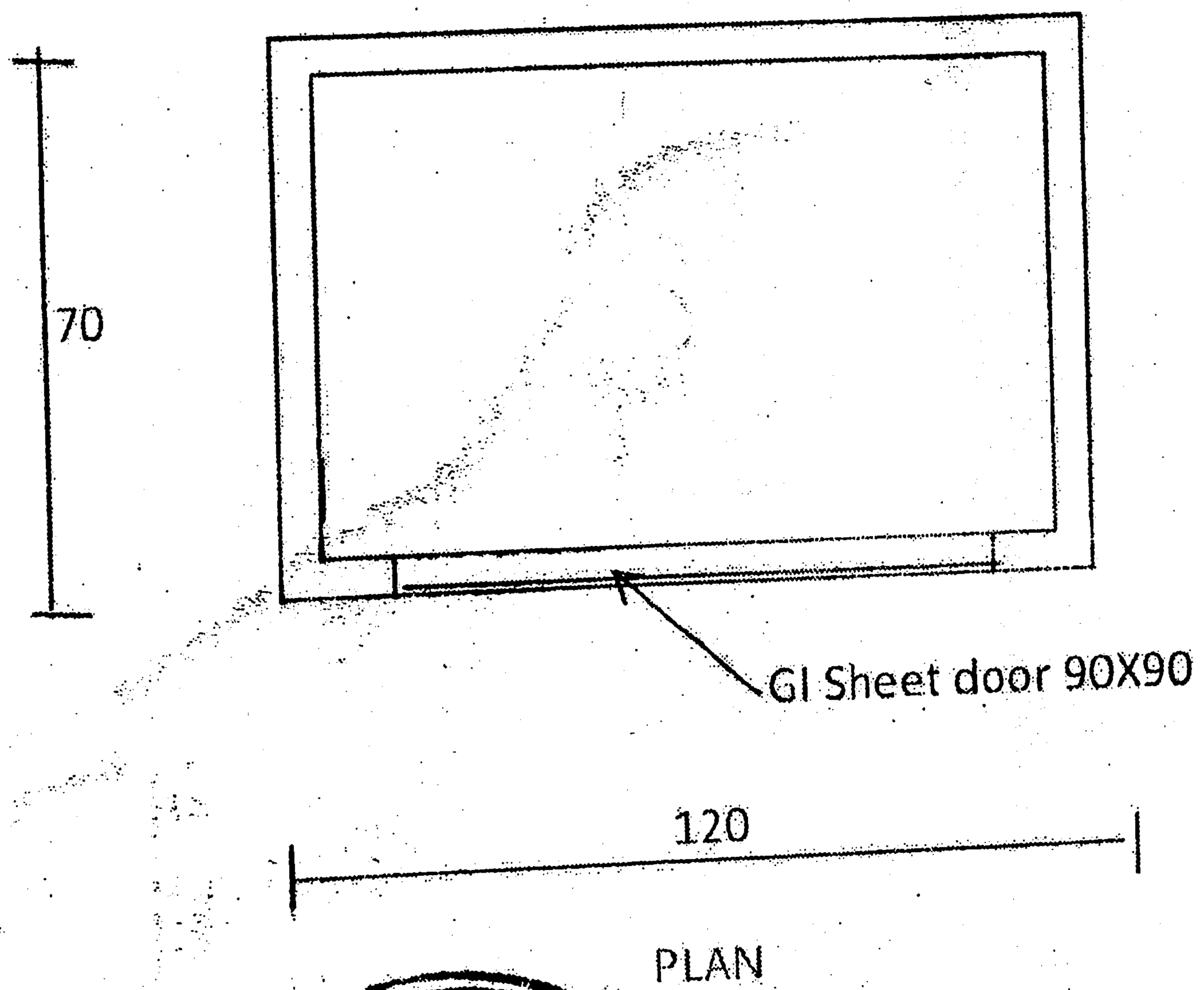
Encl: Verified Estimate

To  The District Officer, Ground Water Department, Thrissur

Copy to : T(1) seat/SF



SECTIONAL ELEVATION OF PUMP HOUSE



NOT TO SCALE

All dimensions are in cm



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DETAILED ESTIMATE OF WATER TANK PLATFORM WITHOUT PUMP HOUSE (SIZE- 2.0X2.0X6.0M)

Sl. No.	Description of work	No	L	B	H	Qty	Rate	Unit	Amount Rs.
1	Clearing the site	1	4	4		16	14.37	M2	229.92
2	Earth work excavation in all type of soil for foundation- column 4 Nos.PRICE No.2.8.1	4	1.4	1.4	1.5	11.76	296.94	m ³	3492.01
3	PCC 1:4: 8 using 20mm broken stone .PRICE No.4.1.8								
	Foundation- column 4 Nos.	4	1.4	1.4	0.1	0.78	6814.89	m ³	5343
4	RCC 1:1.5:3 using 20mm broken stone including cost and conveyance of all materials, labour charges etc.but excluding reinforcement and form work .PRICE No.5.1.2					0.784			5342.87
	Column footing	4	1.2	1.2	0.45	2.59			
	Plinth beams	4	1.44	0.28	0.28	0.45			
	Columns up to Plinth level (top of plinth beam)	4	0.28	0.28	0.95	0.30			
						3.34			
						3.40	9085.14	m ³	30889.5
6	RCC 1:1.5:3 using 20mm broken stone including cost and conveyance of all materials, labour charges etc.but excluding reinforcement and form work PRICE No.5.2.2								
	Columns (DSR 5.2.2)	4	0.28	0.28	6.0	1.88	10954.04	m ³	20611
	Beams (DSR 5.3)	12	1.44	0.28	0.28	1.35			
	Slab (DSR 5.3)	1	2.9	2.9	0.12	1.01			
	Total					2.36			
						2.40	11492.88	m ³	27583
7	Reinforcement for all RCC works with 1st quality Tore steel @ 90Kg/M3 (Bill as per actual measurement) PRICE No. 5.22.6					682.84	98.3	q	67123.17
8	Form work for all RCC works								
	Column footing PRICE No. 5.9.1	4	4.4		0.45	7.92	335.31		2656
	Column PRICE No. 5.9.6	4	1.12		6.95	31.14	863.64		26893.2
	Beams	16	0.84		1.44	19.35			
	PRICE No. 5.9.5					19.35	649.82		12576
	Slab	1	2.90		2.90	8.41			
	Slab sides	1	11.60		0.12	1.39			
	PRICE No. 5.9.3					9.80	815.78		7996
9	Brick masonry using common burnt bricks for super structure PRICE No. 51.6.4.3								
	Front wall of platform for writing board	1	1.44	0.15	1.70	0.37	8545.7		3138
10	Flooring with pcc 1:4:8 40MM Thick and over that a plastering with cement mortar 1:3 12MM thick PRICE No. 11.3.1	1	1.44		1.44	2.07	586.63	m2	1216

11	Plastering 1:3 12mm thick								
	Wall	2	1.44		1.70	4.9			
	Column	4	1.12		6.0	26.9			
	Slab	2	2.90		2.90	16.82			
	Slab sides	1	11.60		0.12	1.39			
	Beam	4	1.44		0.84	4.8			
		4	1.44		0.56	3.2			
		8	1.44		1.12	12.9			
						71.0			
						71.00			
							314.09		
							462.16	m ²	22,300.39
									32813
12	Supplying and providing posts for hand rails with 63MM GI pipe @ 6.42Kg/m PRICE No.50.10.1.6.4.3	5	1			32.10	189.89	Kg	6095.47
13	Supplying and providing hand rails with 32MM GI pipe @ 3.1Kg/m PRICE No.50.10.1.6.4.3	2	10.7			66.34	189.89	Kg	12597.3
14	Supplying MS ladder with GI 40mm BClass pipe at 45 cm apart and with 40mm GI Bclass pipe at 20 cm c/c as steps and fitting the ladder one end in the ground with cement concrete and with suitable bolts and nuts etc; including the cost of all labour and materials and the cost of applying a coat of iron primer. (4.6M 40 MM GI @ 3.56Kg/M, 15steps with 32MM GI @3.1Kg/M) PRICE No.50.10.1.6.4.3					90	189.89	Kg	17090.1
15	Fitting the ladder one end in the ground with cement concrete 1:2:4 60x30x30 and with suitable bolts and nuts etc PRICE No.4.2.3	1	0.6	0.3	0.3	0.054	10069.46	m ³	544
16	Finishing plastered surface with water proofing cement paint PRICE No.13.43.1					71.0	70.64	m ²	5012
17	Charges for painting writing etc.								2500
18	Unforeseen items								1604
	Grand total								288000
									2,76,000

DISTRICT OFFICER

1.3559

DETAILED ESTIMATE OF THEKKUMPURAM DWSS WARD 03, THOLUR GRAMA PANCHAYATH

Sl. No.	Particulars	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	Yield Testing charge <i>Calready conducted</i>	1	No.	7210.00	7210.00
2	Supply of ISI Marked three phase 5 HP Submersible pumpset (water cooled) suitable for 150 mm Dia Bore Well which delivers 5000 LPH at a Total Head of 100m excluding pannel board. <i>36 stage</i>	1	No	32810.00	32810.00
3	Electrification charge for three phase including wiring charges complete.	1	No	27887.08	27887.08
4	Supply of submersible cable 4 mm (ISI)	100	m	145.00	14500.00
5	Supply 50 mm UPVC (good quality) pipe inclusive of cost, conveyance etc;	90	m	390.00	35100.00
6	Charge for erecting Submersible pump set of above capacity up to a depth of 70m	1	m	9453.33	9453.33
7	Supplying of Nylon rope for pump erection 16mm thick good quality.	95	m	47.00	4465.00
8	Supplying and providing air line with 25mm (10Kg/cm ²) pipe (As per order No.T(2) 815/2022/DGW dated 04-03-2022)	90	m	194.02	17461.80
9	Supply and fitting of 40mm GI Bend (2 Nos), Union, GM NRV, GM Ball Valve, socket etc. full set	1	No	2398.61	2398.61
10	Cost of SS adapter for connecting UPVC pipe (40 mm)	2	No	800.00	1600.00
11	Electric connection charges including contribution to KSEB if any (<u>as per actuals</u>) and also including conversion charges	1	LS	40000.00	40000.00
12	Construction of pump house of size 1.2x0.7x 1.9m with RCC Column, slab, Solid concrete block wall etc including plastering flooring etc. complete. (As per order No.T(2) 815/2022/DGW dated 04-03-2022) <i>As per actual measurement</i>	1	No	29000.00	29000.00
13	Construction of Water tank platform House size 2.0 x 2.0 x 6.00m with RCC slab, Solid concrete block walls etc including plastering flooring etc. complete.(Payment as per measurements) <i>As per actual measurement</i>	1	No.	2,76,000 288000.00	2,76,000 288000.00
14	Supplying and placing of PVC Tank ISI marked inclusive of cost, conveyance etc;	5000	Litre	10.37	51850.00
15	Supplying and providing wash out inclusive of cost, conveyance etc;	1	No.	400.00	400.00
16	Supplying and providing 75mm Tank connector	1	No.	360.00	360.00
17	Supplying and providing 50mm Tank connector	1	No.	210.00	210.00
18	Supply, laying and jointing 50mm (10kg/cm ²) ISI Marked PVC Pipe for pumping line inclusive of all cost of specials and conveyance	75	m	272.13	20409.75
19	Supplying and providing 40mm Gi B Class Pipe for pumping line inclusive of all cost of specials and conveyance	2	m	568.72	1137.44

20	Supply, laying and jointing 75mm ISI Marked PVC Pipe (6kg/cm ²) for distribution line inclusive of all cost of specials and conveyance	400	m	324.22	129688.00
21	Supply, laying and jointing 63mm ISI Marked PVC Pipe (6kg/cm ²) for distribution inclusive of all cost of specials and conveyance	1300	m	309.53	402389
22	Supply, laying and jointing 50mm ISI Marked PVC Pipe (6kg/cm ²) for distribution inclusive of all cost of specials and conveyance	1200	m	232.06	278472
23	Supply, laying and jointing 40mm ISI Marked PVC Pipe (6kg/cm ²) for distribution inclusive of all cost of specials and conveyance	700	m	222.71	155897
24	Supply, laying and jointing 25mm ISI Marked PVC Pipe (10kg/cm ²) for distribution inclusive of all cost of specials and conveyance	600	m	216.03	129618
25	Supplying and providing 50mm GI B Class Pipe as stay pipe inclusive of all cost of specials and conveyance	6	m	549.33	3295.98
26	Fixing charge for above pipe <i>(As per actual measurement)</i>		No	350.00	350.00
28	Supplying and providing 65mm GI B Class Pipe as cover pipe for road cutting inclusive of all cost of specials and conveyance	20	m	842.81	16856.20
29	Supplying and providing 50 mm GI B Class Pipe as cover pipe for road cutting inclusive of all cost of specials and conveyance	20	m	665.33	13306.60
30	Charges for Tar road cutting (30cm depth) and earthwork in all types of soil (45cm depth)	100	m	163.33	16333.00
32	Providing PCC 1:2:4 for protection of concrete for tar road cutting area where trench made for pipe line	100	m	431.00	43100.00
33	Supplying and providing 75 mm PVC ball valve to the delivery line	1	No	530.00	530.00
34	Supplying and providing cover for cable with 25mm (10Kg/cm ²) pipe	5	m	194.02	970.10
35	Charge for providing Granite slab name board including cost of granite slab, writing and fixing charges etc. complete	1	No.	6000.00	6000.00
36	Supplying and providing house connection with PVC tap, platform, water meter etc. complete	75	No.	3408.54	255640.50
36	Providing well protection with concrete Ring and Slab	1	No.	2640.00	2640.00
37	Providing external meter box <i>(as per actual)</i>	1	No.	2640.00	2640.00
	TOTAL				2041979.39
	GST Compensation @12% (except 11 & 37)			2,37,144.55	245037.53
	Expenses for contingencies and unforeseen items if any.			4010.85	12983.08
	GRAND TOTAL				2300000.00
(RUPEES TWENTY THREE LAKH ONLY)					22,60,000/-

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DISTRICT OFFICER

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