

PROCEEDING OF THE SUPERINTENDING ENGINEER (General) (i/c),
GROUND WATER DEPARTMENT , JALAVIJNANABHAVAN,
AMBALAMUKKU, KOWDIAR.P.O, THIRUVANANTHAPURAM.
(Present: Smt. Rini Rani. S)

Sub: Ground Water Department – THRISSUR -Implementation of MWSS at Pattara-Desamangalam Grama Panchayath in Thrissur District under Ground Water Based Drinking Water Supply Scheme – Technical sanction accorded -orders issued.

ORDER NO. T(1)/ 2448/2022/DGW

DATED : 06.06.2022

- Read :** 1) Letter No DGT/1899/2018(A) dated: 12/04/2022 from District Officer, Ground Water Department, Thrissur.
2) Proceeding of even number dated 06/05/2022 of the Director, Groundwater 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. 10,90,000/- for implementation of Mini Water Supply Scheme at Pattara, Desamangalam Grama Panchayath in Thrissur District under Ground Water Based Drinking Water Supply Scheme for the year 2022-2023.

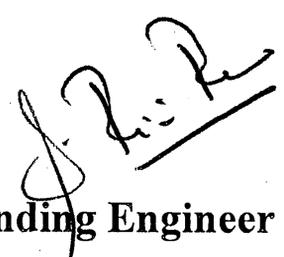
The proposal for the implementation of Mini Water Supply Scheme, submitted by the District officer has been verified and the amount is found correct as Rs. 10,90,000/- (Rupees Ten lakh and ninety thousand only).

Vide reference 2nd cited the Director, Groundwater Department has accorded administrative sanction for an amount of Rs. 10,90,000/- (Rupees Ten lakh and ninety thousand only) for the scheme.

After examining the matter in detail technical sanction is hereby accorded to the District Officer, Ground Water Department, Thrissur for an amount of Rs. 10,90,000/- (Rupees Ten lakh and ninety thousand only) for the implementation of Mini Water Supply Scheme at Pattara, Desamangalam Grama Panchayath in Thrissur District under Ground Water Based Drinking Water Supply Scheme. Also sanction is accorded for tendering the work.

The District Officer 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 carryout 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 fund available under the head of account "4702-00-102-94 (01) Ground Water Based Drinking Water Scheme (P)" for the financial year 2022-2023.


Superintending Engineer (General) (i/c)

To:

✓ District Officer, Ground Water Department, Thrissur

1-2559

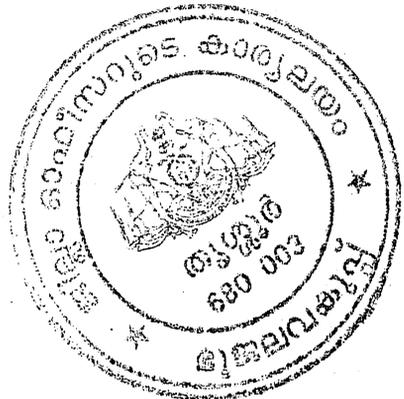
DETAILED ESTIMATE OF PATTARA DWSS, WARD .13 OF DESAMANGALAM PANCHAYATH PROPOSED BY WADAKKANCHERY BLOCK PANCHAYATH

Sl. No.	Particulars	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	Supply of ISI Marked Three phase 5 HP Submersible pumpset suitable for 110MM Dia Bore Well which delivers 5000 LPH at a Total Head of 120M excluding panel board.	1	No	30600	30600.00
2	Electrification charge for Three phase pannel board including 75x75 CM size metal box, 32A ICDP, ELCB, Fuse, 5A switch etc. and also including wiring charges complete.	1	No	27887	27887.10
3	Supply of submersible cable 4 MM (ISI)	72	M	145	10440.00
4	Supply and laying 1 No. insulated and PVC sheathed armored heavy duty power cable with aluminium conductor of the size 3 X 4 Sq. direct in ground in trench Excluding excavation of trench .	35	M	216.00	7560.00
5	Supplying siemens tropudur type nickel plated single compression brass cable gland for PVC insulated and PVC sheathed armoured aluminium/copper conductor cable 1.1 KV grade and making end termination suitable for 2/3/3. 5/4 core cable of 4 sq.mm size	4	E	120	480.00
6	Supply and providing 32 A, 2 way strip connector in the cable termination junction box and giving connections as required	1	No.	600	600.00
7	Supply 50 MM UPVC (heavy duty) pipe inclusive of cost, conveyance etc;	72	M	390	28080.00
8	Charge for erecting Submersible pump set of above capacity up to a depth of 72M	1	No	9453.33	9453.33
9	Supplying of Nylon rope for pump erection 16MM thick good quality.	75	M	47	3525.00
10	Supply and fitting of 40mm GI Bend, Union, GM NRV, GM ball valve Ball valve etc. full set	1	No	2398.61	2398.61
11	Cost of SS adapter for connecting UPVC pipe 40mm	2	No	800	1600.00
12	Electric connection charges including contribution to KSEB	1	LS	50000	50000.00
13	Construction of Pump house size 1.2x 0.7 x 1.9m including plastering flooring etc. complete.	1	No.	29000	29000.00
14	Construction of Water tank platform size 2.0 x 2.0 x 4M with RCC slab, Solid concrete block walls etc including plastering flooring etc. complete.	1	No	190000.00	190000.00
15	Supplying and placing of PVC Tank ISI marked inclusive of cost, conveyance etc;	5000	Litre	10.37	51850.00
16	Supplying and providing wash out inclusive of cost, conveyance etc;	1	No.	400.00	400.00
17	Supplying and providing 75 MM Tank connector	1	No.	360.00	360.00
18	Supply, laying and jointing 40mm B Class GI Pipe G.I. pipes complete with G.I fittings including trenching and refilling etc inclusive of all cost of specials and conveyance	170	M	568.72	96682.11
19	Supply, laying and jointing 50 mm ISI Marked PVC Pipe (10kg/cm2) for pumping line inclusive of all cost of specials and conveyance with trenching and refilling	10	M	272.13	2721.30
20	Supply, laying and jointing 75 mm ISI Marked PVC Pipe (6kg/cm2) for distribution line inclusive of all cost of specials and conveyance	10	M	324.22	3242.20

22	Supply, laying and jointing 50 mm G I B Class Pipe for distribution inclusive of all cost of specials and conveyance including trenching and refilling	180	M	665.30	11970
23	Supply, laying and jointing 40 mm ISI Marked PVC Pipe (06kg/cm ²) for distribution inclusive of all cost of specials and conveyance with trenching and refilling	100	M	222.71	22271
24	Providing anchor block with 1:2:4 PCC (0.3x0.3x0.2 m size)	110	Nos	122.67	13493
25	Supplying and providing 50 mm G I B Class Pipe as stay pipe inclusive of all cost of specials and conveyance (without charge for trenching.)	6	M	549.14	3294.84
26	Fixing charge for above pipe (As per actual measurement)	1	No	350.00	350.00
27	Supplying and providing 75MM PVC Ball valve to the delivery line	1	No.	530.00	530.00
28	Concrete road cutting charges (0.4m width * 0.15m depth)	50	M	122.7	6135.35
29	Providing PCC 1:2:4 for protection of concrete cutting area where trench made for pipe line(0.4Mx0.15mdepth) 4:1:3 20 mm nominal size	50	M	479.45	23972.50 23972.50
30	Charge for providing granite name board (As per actual measurement)	1	No.	6000.00	6000.00
31	Providing well protection with RCC Ring and cover (MR) (As per actual measurement)	1	No.	2640.00	2640.00
32	Charge for providing external meter box (As per actual bill)	1	No.	2640.00	2640.00
33	Supplying and providing house connection with water meter , PVC tap etc. complete	21	No.	3408.54	71579.34
Total					970156.4 971252.44
34	Add provision for GST @12% (Exempt Item 12 & 32)				110102 110233.49
35	Expenses for contingencies and unforeseen items				9741.6 8514.000
GRAND TOTAL					1090000.00

Rupees Ten Lakh Ninety Thousand Only

[Handwritten signature]
[Handwritten initials]



[Handwritten signature]
 EE

[Handwritten signature]
 SEE

DISTRICT OFFICER
 ജില്ലാ ഓഫീസർ
 പ്രജവകുപ്പ്
 മുഖ്യമന്ത്രിയുടെ ഓഫീസ്, തൃശ്ശൂർ-09

DETAILED ESTIMATE OF WATER TANK PLATFORM SIZE- 2X2X4M

Sl. No.	Description of work	No	L	B	H	Qty	Rate	Unit	Amount Rs.	
1	Clearing the site PRICE No.2.2.1A	1	4	4		16	14.37		229.92	
2	Earth work excavation in all type of soil for foundation- column 4 Nos.PRICE No.2.8.1	4	1.2	1.2	1.2	6.91	296.94	m ³	2016.2 2052	
3	PCC 1:3: 6 using 20mm broken stone .PRICE No.4.1.8									
	Foundation- column 4 Nos.	4	1.2	1.2	0.1	0.58	7367.55	m ³	4244	
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									
	Column footing	4	1.0	1.0	0.4	1.60				
	Plinth beams	4	1.5	0.25	0.25	0.38				
	Columns up to Plinth level (Top of plinth beam)	4	0.25	0.25	0.95	0.24	0.18		19600.9 20101	
						2.21	9085.14	m ³		
5	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	4	0.25	0.25	4.0	1.00	10954.04		10954	
	Beams	4	1.5	0.25	0.25	0.38				
		4	1.5	0.25	0.2	0.30				
	Slab	1	2.9	2.9	0.12	1.01				
	Total					1.68	11492.88		19356	
6	Reinforcement for all RCC works with 1st quality Tore steel @ 90Kg/M3 (Bill as per actual measurement)PRICE No. 5.22.6						440.70	98.3	Kg	43321
7	Form work for all RCC works									
	Column footing PRICE No. 5.9.1	4	3.6		0.4	5.76	335.31	m ²	1931	
	Column PRICE No. 5.9.6	4	1.0		4.85	19.40	863.64	m ²	16755	
	Beams	12	1.5		0.75	13.50				
	PRICE No. 5.9.5					13.50	649.82	m ²	8773	
	Slab	1	2.90		2.90	8.41				
		1	1.4		0.70	0.98				
	PRICE No. 5.9.3					9.39	815.78	m ²	7660	
8	Brick masonry using common burnt bricks for super structure									
	Front wall of platform for writing board	1	1.50	0.15	1.75	0.39				
	Total					0.39				
	PRICE No. 51.6.4.3					0.40	8545.7	m ³	3418	
9	Plastering 1:3 ,12mm thick									
	Front wall of platform for writing board	2	1.5		1.75	5.3				
	Column	4	1.0		4.0	16.0				
	Slab	1	2.90		2.90	8.41				
	Slab sides	1	11.60		0.12	1.39				
	Beam	4	1.5		0.75	4.5				

		4	1.50		0.9	5.4			
		2	1.5		0.5	1.5			
						42.5			
						43.00	314.09	m 2	13334
10	Flooring with pcc 1:3:6 40MM Thick and over that a plastering with cement mortar 1:3 12MM thick PRICE No. 11.3.1	1	1.5		1.5	2.25	586.63	m 2	1320
11	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
12	Supplying and providing hand rails with 32MM GI pipe@ 3.1Kg/m PRICE No.50.10.1.6.4.3	2	10.5			65.10	189.89	Kg	12362
13	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					60	189.89	Kg	11393
14	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	m3	544
16	Finishing plastered surface with water proofing cement paint PRICE No.13.43.1					43.0	70.64	m 2	3038
17	Charges for painting writing etc. (എന്നിവിടെ - 61.1 + 1/3. 2.1)								2500
	Unforeseen items						68		619
	Grand total								190000

189000



[Handwritten Signature]
DISTRICT OFFICER
 ജില്ലാ ഓഫീസർ
 ഭൂജലവികസനം
 സിവിൽ സപ്ലൈസ്, തൃശ്ശൂർ-03

ESTIMATE FOR PUMP HOUSE (PATTARA DWSS)

Size of pump house		1.2x0.70x1.8 (Outer)							
Sl. No.	Description of work	No	L	B	H	Qty	Rate	Unit	Amount
1	Clearing the site	1	2	2		4	14.37		57.48
2	Earth work excavation in hard soil for foundation	1	1.3	0.8	0.45	0.468			
						0.500	296.94	m ³	148
3	PCC 1:3:6 using 20mm broken stone	1	1.3	0.8	0.1	0.104	7367.51	m ³	766
4	Brick masonry using common burnt bricks for works up to plinth level PRICE No. 51.6.1.3								
	Foundation -	1	3	0.45	0.35	0.473			
	Basement	1	3	0.3	0.15	0.135			
	Total					0.608	6858.89	m ³	4167
5	Brick masonry using common burnt bricks for super structure PRICE No. 51.6.4.3								
	Three sides	1	2.2	0.15	1.8	0.594			
	Front	1	0.8	0.15	0.9	0.108			
	Total					0.702			
						0.800	8545.7	m ³	6837
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	1	1.8	1.1	0.1	0.198			
						0.200	10954.04	m ³	2190.81
7	Reinforcement for all RCC works with 1st quality Tore steel @ 90Kg/M ³ (Bill as per actual measurement) PRICE No. 5.22.6								
8	Form work for RCC in slabs PRICE No. 5.9.3	1	1.8		1.1	1.98	98.3	kg	1557.07
		1	5.8		0.1	0.58			
						2.56	815.78	m ²	2088.40
9	Filling inside the masonry work up to 1.1m with excavated earth PRICE No. 2.25								
10	Flooring PCC 1:4:8 40mm thick with plastering PRICE No. 11.3.1	1	0.8		0.5	0.4	586.63	M ²	234.65
11	Plastering 1:3 12mm thick inside and out side of the pump house with fine sand								
	Outer sides around	1	3.8		1.8	6.84			
	Wall inner sides	2	0.5		0.9	0.9			
	Slab	2	1.8		1.1	3.96			
	Sides	1	5.8		0.1	0.58			
						12.28			
						12.3	314.09	m ²	3863.31
12	Supplying and providing GI sheet door 90X90cm with Angle frame and proper locking etc.	1	0.90		0.90	0.81	5212.28		4221.95
13	White washing painting, lettering etc. (approx 11.61.1 @ 12.2.1)								2000.00