

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

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

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**ORDER NO:- T(1) / 3286/2022/DGW**

**Dated: 11.07.2022**

Read:- 1. Letter No. GWD/659/2022/PTA, dated 23-05-2022 from District Officer, Ground Water Department, Pathanamthitta.  
2. Order No. T(1) 3286/2022/DGW dated:28/06/2022 of Director, Ground Water Department, Thiruvananthapuram.

**ORDER**

As per the letter read 1<sup>st</sup> , District Officer, Ground Water Department, Pathanamthitta has forwarded a proposal with detailed estimate for an amount of Rs. 14,60,000/- for the implementation of mini water supply scheme at Kaniyathupadi, Kottanad Grama Panchayath in Pathanamthitta District under Groundwater based drinking water supply scheme for the year 2022-23.

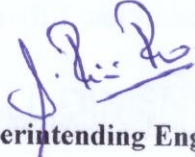
The proposal for the implementation of Mini Water Supply Scheme submitted by the District Officer has been verified and the amount is limited to Rs. 14,56,000/- (Rupees Fourteen lakhs and fifty six thousand only).

As per the order read as 2<sup>nd</sup> paper Administrative Sanction for an amount of Rs. 14,56,000/- (Rupees Fourteen lakhs and fifty six thousand only) has been accorded by the Director of Ground Water Department, for the implementation of the Mini Water Supply Scheme by e-tendering.

After examining the matter in detail, technical sanction is hereby accorded to the District Officer, Ground Water Department, Pathanamthitta for an amount of Rs. 14,56,000/- (Rupees Fourteen lakhs and fifty six thousand only) for the implementation of mini water supply scheme by e-tendering at Kaniyathupadi, Kottanad Grama Panchayath in Pathanamthitta District under Groundwater based drinking water supply scheme

The District Officer, Ground Water Department, Pathanamthitta 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 - Ground Water Based Drinking Water Scheme" for the financial year 2022-2023. The District Officer should intimate the date of completion of the scheme.

  
Superintending Engineer (General) i/c

Encl: Corrected estimate

To  
The District Officer, Ground Water Department, Pathanamthitta

Copy to : T(1) seat/SF

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**Ground Water Department, District Office, Pathanamthitta**  
**Estimate for Micro Water Supply Scheme at Kaniyathupadi, ward-3, KOTTANAD**

Beneficiaries :60 family      Yield of well : 4000 lph

SL NO	ITEMS	RATE(Rs)	QUANTITY	Amount (Rs)
1	Well protection <i>(As per actual measurement)</i>	5764 /e	1 no	5764
2	Supplying of three phase 3 HP Submersible pump 34stage, with ISI Mark	27115 /e	1 no	27115
3	Supplying, laying joining PVC 20mm electric wiring pipe(ISI)	16.8 /m	10 m	168
4	Cost of 4 mm <sup>2</sup> Submersible electrical Cable 3 core -with ISI Mark	145 /m	75 m	10875
5	Cost of 40mm(1 1/4") UPVC pipe -with ISI Mark ,25 Kg/cm <sup>2</sup>	295 /m	66 m	19470
6	Supplying and fitting 40mm SS adapter for UPVC	800 /set	1 no	800
7	Nylon rope-14mm	41 /m	72 m	2952
8	Supplying, laying, jointing 40mm Non-return valve(G.M)	944 /e	1 no	944
9	Submersible pump erection charges up to 3 HP	7911 /set	1 no	7911
10	Pumping line Supplying, laying, joining 32 mm B class GI pipe(including treanching and refilling)	506.12 /m	60 m	30367.2
11	Pumping line Supplying, laying, joining 40mm 10 kg/cm <sup>2</sup> PVC pipe(ISI mark)(including treanching and refilling)	266 /m	400 m	106400
12	Construction of Pump house using brick work and RCC roof -- details attached	<i>33500</i> 34500 /e	1 no	<i>33500</i> 34500
13	Electrification work of three phase panel board	27938 /e	1 no	27938
14	Three phase power connection charge to K.S.E.B,(As per actual bill)	10000 /con	1 con	10000
15	PVC Water tank (ISI)5000 Ltr - including conveyance in mini lorry+head load, labour for tank fitting and lifting of tank to top of structure	10.5 /lit	5000 lit	52500
16	Water tank platform -Details attached <i>(As per actual measurement)</i>	<i>73000</i> 73000 /e	1 no	<i>73000</i> 73000
17	Delivery line Supplying, laying joining 75mm 6kg/cm <sup>2</sup> PVC Pipe(including treanching and refilling)	326.13 /m	700 m	228291
18	Delivery line Supplying, laying joining 63mm 6kg/cm <sup>2</sup> PVC (ISI) Pipe(including treanching and refilling)	311.44 /m	500 m	155720
19	Delivery line Supplying, laying joining 50mm 10 kg/cm <sup>2</sup> PVC (ISI) Pipe(including treanching and refilling)	274.04 /m	400 m	109616
20	Delivery line Supplying, laying joining 40mm 10 kg/cm <sup>2</sup> PVC (ISI) Pipe(including treanching and refilling)	266 /m	100 m	26600
21	Delivery line Supplying, laying joining 32mm 10 kg/cm <sup>2</sup> PVC (ISI) Pipe(including treanching and refilling)	<i>240.64</i> 242.64 /m	200 m	<i>48128</i> 48528
22	Delivery line Supplying, laying joining 25mm 10 kg/cm <sup>2</sup> PVC (ISI) Pipe(including treanching and refilling)	218 /m	900 m	196200
23	Tank connector-63 mm	275 /e	3 no	825
24	Supplying, laying joining 65mm GM fullway wheel valve	1774 /e	2 no	3548
25	Supplying, laying joining 50mm GM fullway wheel valve	1364 /e	3 no	4092
26	Supplying and fixing Hydrants with 1/2"Tap of size 0.6m x 0.3m platform and concrete pedestral with 110mm PVC pipe(ISI)	1973 /e	60 no	118380
27	Add GST 12%			<i>151752.5</i> 156300.5
28	Unforseen items if any			<i>1643.20</i> 1195.3
	TOTAL			<i>14,56,000</i> 1460000

Rs. 1460000/- (Fourteen Lakhs Sixty Thousand Rupees only)

*P*  
De.



District Officer

*14,56,000*  
District Officer  
Pathanamthitta

**Ground Water Department, District Office-Pathanamthitta**  
**Estimate for Pump house for Micro Water supply scheme**

Sl. No.	Particulars	No.	Length	Breadth	Height	Quantity	Amount Rs.
1	Earth work excavation in hard soil for foundation	1	1.8	1.2	0.3	0.65	
	Say 0.65M <sup>3</sup> @ Rs.300.7/M <sup>3</sup>						195.46
2	Random Rubble masonry in Cement Mortar 1:6 for Basement	1	1.8	1.2	0.3	0.65	
3	Say 0.97 M <sup>3</sup> @ Rs.7295.10/m <sup>3</sup>	1	1.6	1	0.2	0.32	
4	Brick work in cm 1:6 using country burnt bricks of size 19 X 9 x 9cm for super structure in ground floor upto 5 m height	1	4	0.1	1.8	0.72	
	Deduction for opening	1	1	0.1	1.7	0.17	
	Total					0.89	
	Say 0.89 M <sup>3</sup> @ Rs.9046.7/M <sup>3</sup>						8051.56
5	RCC 1:2:4 for roof slab including cost and conveyance of materials, labour etc, excluding reinforcement	1	1.8	1.4	0.06	0.1512	1759.51
	say 0.15 m <sup>3</sup> @ Rs.11637/m <sup>3</sup>						
6	Tore steel reinforcement for RCC works @ 80kg/m <sup>3</sup>					12	1174.80
	Say 12 kg @ Rs97.9/kg						
7	Centring and shuttering for roof slab	1	1.8	1.4		2.52	
	sides	1	6.4	0.06		0.364	
	Say 2.904m <sup>2</sup> @ Rs.826/M <sup>2</sup>					2.904	2398.70
8	Flooring PCC in 1:2:4	1	1.2	0.6	0.07	0.0504	407.79
	Say 0.0504M <sup>3</sup> @ Rs.8091/M <sup>3</sup>						
9	Plastering in 1:4, 12mm thick inside and out side of pumphouse	2	4		1.8	14.4	
	Deduction for opening	2	1		1.7	3.4	
	Roof	2	1.8		1.4	5.04	
	Roof -sides	1	6.4		0.06	0.364	
	floor	1	1.2		0.6	0.72	
	Total					23.944	
	Say 23.94 M <sup>2</sup> @ Rs.318/M <sup>2</sup>						7614.19
10	Supplying and providing door in 16 g GI sheet and angle iron frame with proper locking arrangement and painting					LS	4500.00
11	White washing and Painting @Rs.34/m <sup>2</sup>					17	578.00
12	Unforeseene items if any						758.33
	Grand Total					Rs.	34500.00

Rs. 34,500 /- (Rupees thirty four thousand and five hundred only)

7076.25

29.92

12159  
33,500

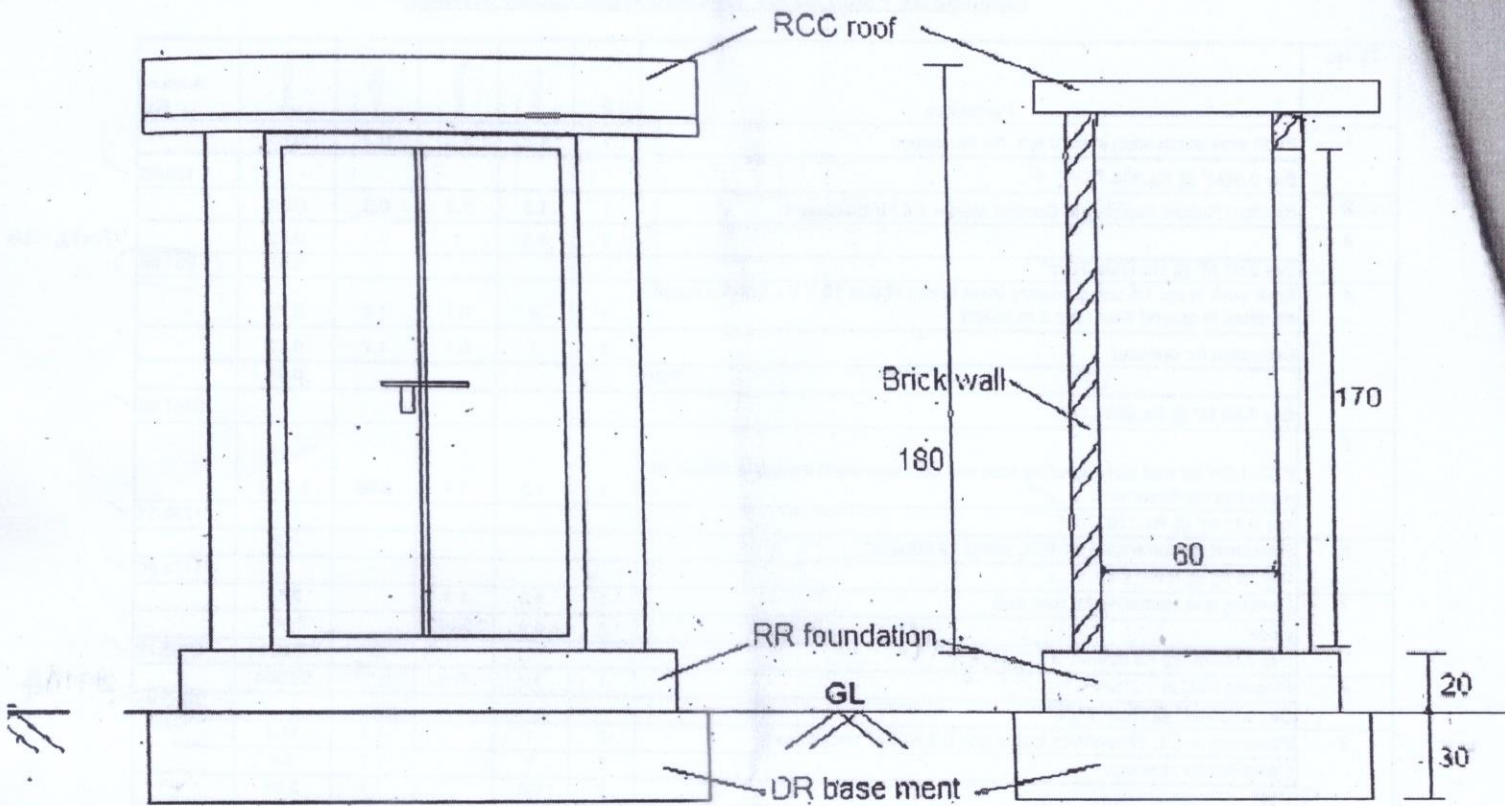


District Officer

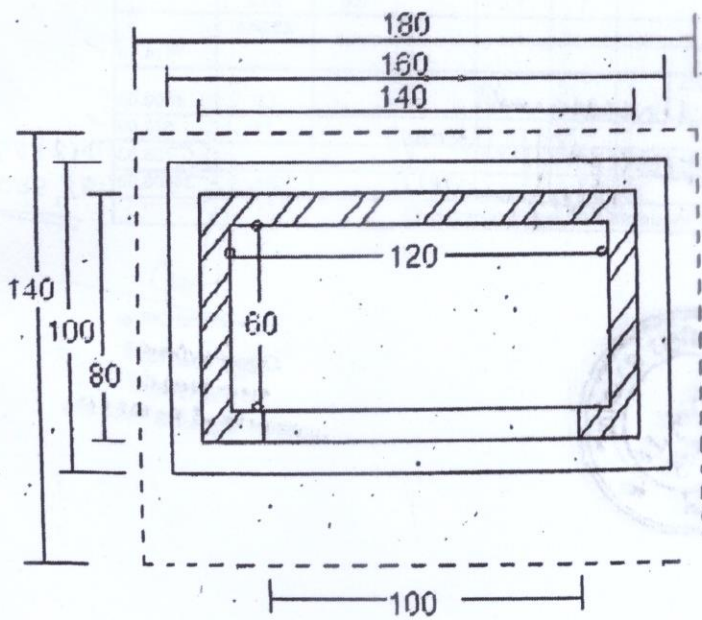
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AREA

DESIGN FOR PUMP HOUSE



SECTION



PLAN

ALL DIMENSION IN CM



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