

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 Unnatholil Bhagom, Kottanad Grana Panchayath in Pathanamthitta District under Groundwater based drinking water supply scheme – Technical sanction accorded - orders issued.

ORDER NO:- T(1) / 4684/2021/DGW

Dated: 05.07.2022

Read:- 1. Letter No. GWD/835/2021/PTA, dated 26-04-2022 from District Officer, Ground Water Department, Pathanamthitta.
2. Order No. T(1) 4684/2021/DGW dated:25/06/2022 of Director, Ground Water Department, Thiruvananthapuram.

ORDER

As per the letter read 1st, District Officer, Ground Water Department, Pathanamthitta has forwarded a proposal with detailed estimate for an amount of Rs. 5,18,000/- for the implementation of mini water supply scheme at Unnatholil Bhagom, Kottanad Grana 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. 5,13,000/- (Rupees Five lakhs and thirteen thousand only).

As per the order read as 2nd paper Administrative Sanction for an amount of Rs. 5,13,000/- (Rupees Five lakhs and thirteen thousand only) has been accorded by the Director of Ground Water Department.

After examining the matter in detail, technical sanction is hereby accorded to the District Officer, Ground Water Department, Pathanamthitta for an amount of Rs. 5,13,000/- (Rupees Five lakhs and thirteen thousand only) for the implementation of

mini water supply scheme at Unnatholil Bhagom, Kottanad Grana 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 - (01) Ground Water Based Drinking Water Scheme (P)" for the financial year 2022-2023. The date of completion of the scheme is to be intimated before the end of the financial year 2022-23.



Superintending Engineer (General) i/c

Encl: Corrected Estimate

To  The District Officer, Ground Water Department, Pathanamthitta

Copy to : T(1) seat/SF

Ground Water Department, District Office, Pathanamthitta

Detailed Estimate for the Micro Water Supply Scheme at Unnatholil bhagam in Kottanad Grama Panchayat, Ward-3 under Ground water based drinking water supply scheme

Size of well : 110mm dia

Total depth ; 70 m

Yield : 1500 lph (approx)

SWL : 5m BGL

1.3722

DETAILED ESTIMATE

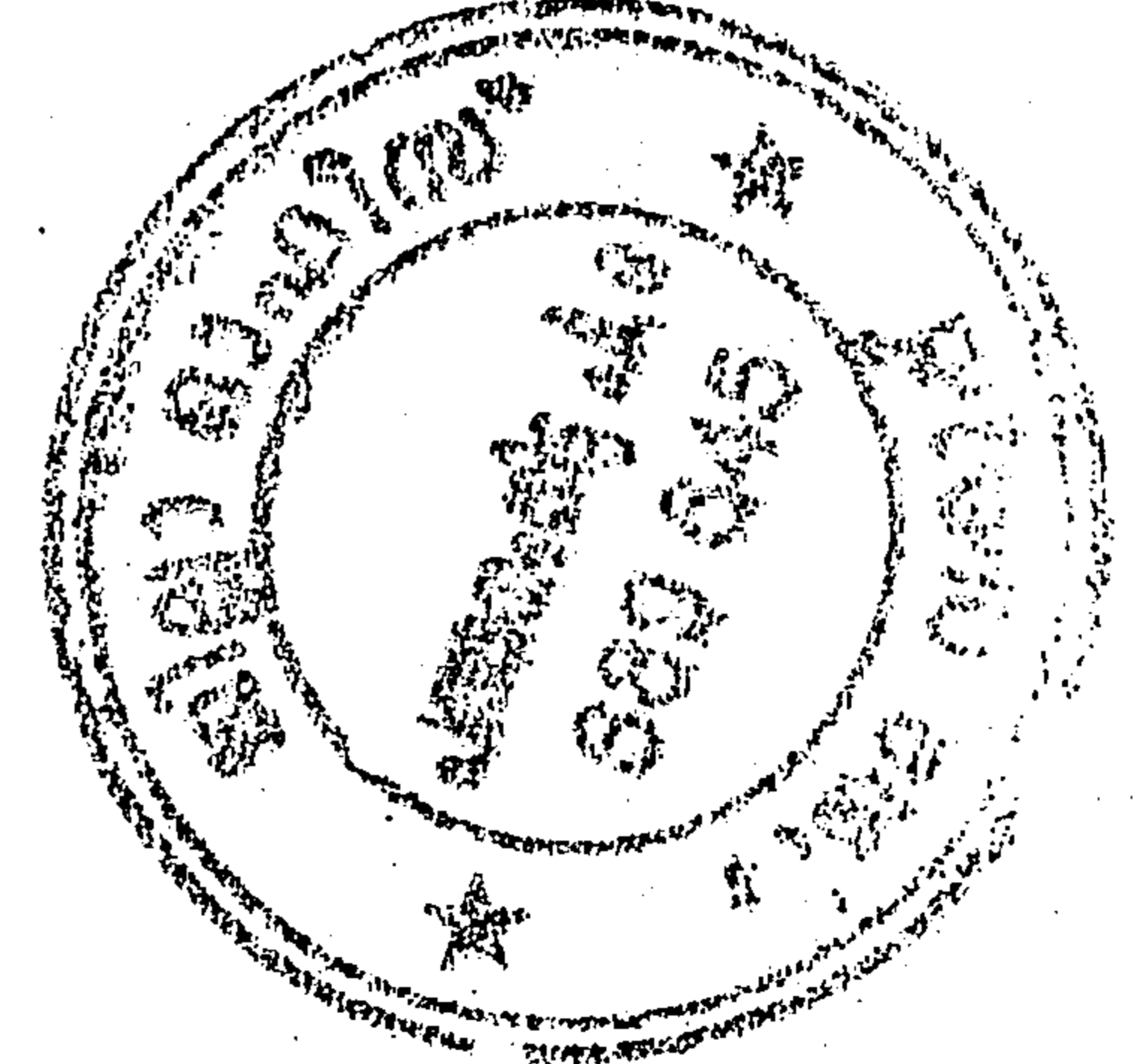
Sl. No.	Items	Rate	Quantity	Amount Rs.
1	Well protection with pre-cast concrete ring and RCC slab-details attached <i>Cas for actual measurement</i>	4156 /e	1 no	4156.00
2	Bore well developing charge	5790 /e	1 no	5790.00
3	Supplying of single phase 1.5 HP Submersible pump 18 stage, -with ISI	21930 /set	1 set	21930.00
4	Cost of 4 mm ² Submersible electrical Cable 3 core -with ISI Mark	145 /m	75 m	10875.00
5	Supplying, laying joining PVC 20mm electric wiring pipe	15 /m	15 m	225.00
6	Cost of 40mm(1 1/4") UPVC pipe -with ISI Mark ,25 Kg/cm ²	295 /m	66 m	19470.00
7	Supplying and fitting 40mm SS adapter for UPVC	800 /set	1 set	800.00
8	Nylon rope-14mm	41 /m	75 m	3075.00
9	Supplying, laying, jointing 40mm Non-return valve(G.M)	944 /e	1 no	944.00
10	Pumping main line 40mm10kg/cm ² PVC Pipe including treanching	266 /m	90 m	23940.00
11	Pumping line Supplying, laying joining 32mm B Class heavy duty GI Pipe	389 /m	30 m	11670.00
12	Submersible pump erection charges up to 3HP	7911 /set	1 no	7911.00
13	Construction of Pump house using brick work and RCC roof - details attached <i>Cas for actual measurement</i>	33800 39500 /e	1 no	33800 39500.00
14	Electrification work of single phase panel board	10878 /set	1 set	10878.00
15	Single phase power connection charge to K.S.E.B.(As per actual bill)	8000	1 no	8000.00
16	Construction of platform for water tank in RCC of size 2mx2mx2.15m - Details attached <i>Cas for actual measurement</i>	58500 60000 /e	1 no	58500 60000.00
17	PE Water tank (ISI)- Including conveyance in mini lorry+head load, labour for tank fitting and lifting of tank to top of structure	10.5 /ltr	3000 ltr	31500.00
18	Tank connector-63mm	275 /e	2 no	550.00
19	Tank connector-50mm	190 /e	1 no	190.00
20	Supplying, laying joining 50mm GM fullway wheel valve	1036 /e	2 no	2072.00
21	Supplying, laying joining 40mm GM fullway wheel valve	809 /e	2 no	1618.00
22	Supplying, laying joining 32mm GM fullway wheel valve	693 /e	2 no	1386.00
23	Delivery line Supplying, laying joining 63mm 6kg/cm ² PVC Pipe- including treanching	311.44 /m	150	46716.00
24	Delivery line Supplying, laying joining 50mm 10kg/cm ² PVC Pipe- including treanching	274 /m	150 m	41100.00
25	Delivery line Supplying, laying joining 40mm10kg/cm ² PVC Pipe- including treanching	266 /m	200 m	53200.00
26	Delivery line Supplying, laying joining 32mm 10kg/cm ² PVC Pipe- including treanching	240.6 /m	100 m	24060.00
27	Delivery line Supplying, laying joining 25mm 10kg/cm ² PVC Pipe- including treanching	217.9 /m	30 m	6537.00
28	PCC 1:2:4 for anchor block and filling road cutting	8091 /m ³	1 m ³	8091.00
29	Supplying and fixing Hydrants with two nos 1/2" Tap and platform size 0.6m x 0.3m and pedestal with 110mm PVC pipe	1973 /e	7 no	13811.00
30	Add GST @ 12% (Exempt 15/2)	53280.6		55199.40
31	Unforeseen items if any	1924.4	LS	2805.60
			Total Rs.	518000.00

Ground Water Department, District Office-Pathanamthitta

Estimate for Pump house for Micro Water supply scheme

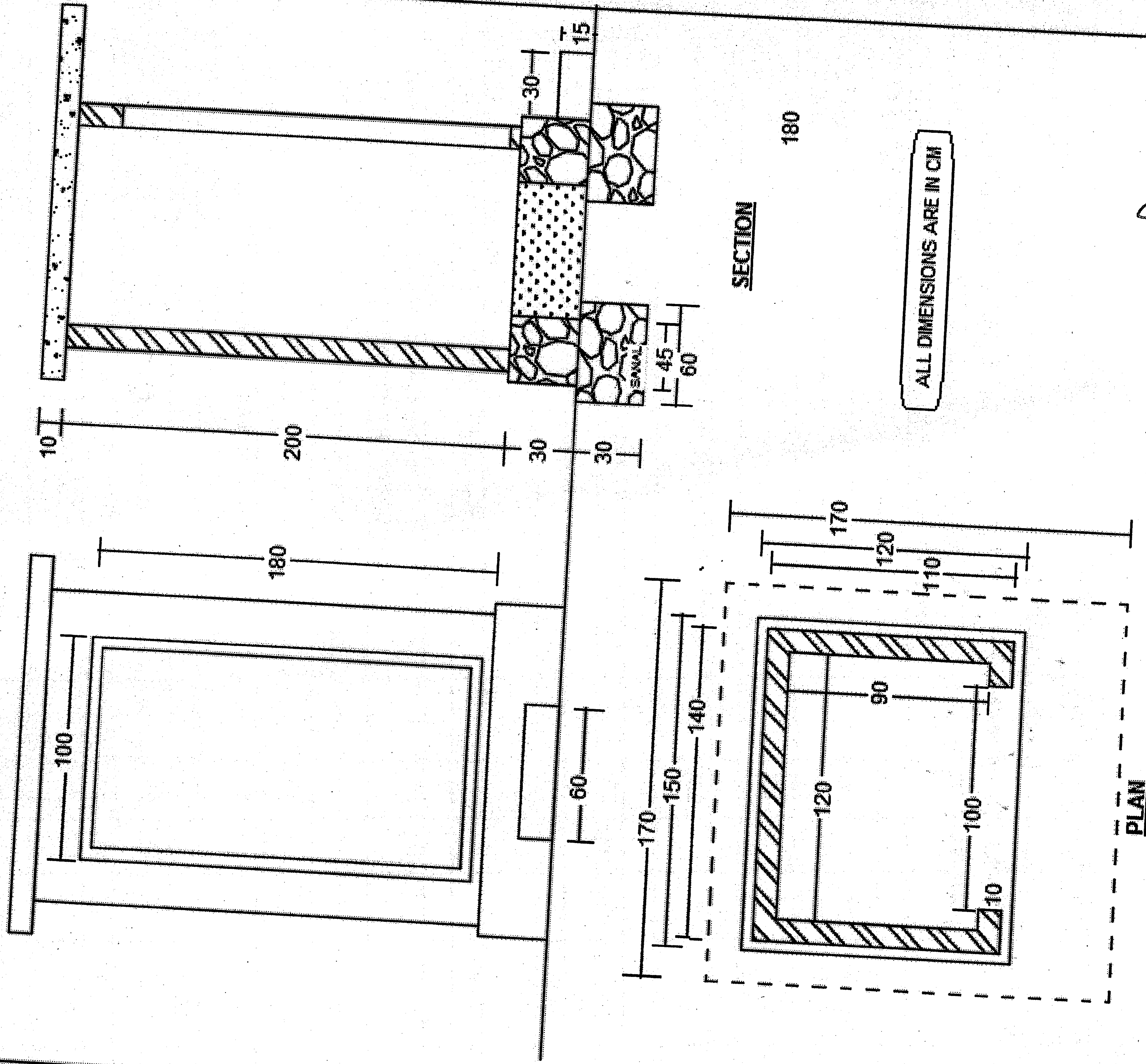
Sl. No.	Particulars	No	Length	Breadth	Height	Quantity	Amount Rs.
1	Earth work excavation in hard soil for foundation Say 0.83M ³ @ Rs.300.7/M ³	1	4.6	0.6	0.3	0.83	
2	Random Rubble masonry in Cement Mortar 1:6 for Basement Say 1.45 M ³ @ Rs.7295.1/M ³	1	4.6	0.6	0.3	0.83	249.58
3	Earth filling Say 0.05 M ³ @ Rs.300.7/M ³	1	4.6	0.5	0.3	0.62	
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 Deduction for opening Step Say 0.77 M ³ @ Rs.9046.7/M ³	1	0.6	0.3	0.3	1.45	10577.90
						0.05	13.09
						0.05	15.04
	Total					0.92	
5	RCC 1:2:4 for roof slab including cost and conveyance of materials, labour etc, excluding reinforcement Say 0.29M ³ @ Rs.11637/m ³	1	4.6	0.1	2	0.92	
6	Tore steel reinforcement for RCC works @ 80kg/m ³ Say 23.2kg @ Rs97.9/kg	1	1	0.1	1.8	0.18	
7	Centring and shuttering for roof slab Say 3.57m ² @ Rs.826/M ²	4	1.7	0.1		0.68	
8	Flooring PCC in 1:2:4 Say 0.08M ³ @ Rs.8091/M ³	1	1.2	0.9	0.07	0.08	2949.00
9	Plastering in 1:4, 12mm thick inside and out side of pumphouse Deduction for opening Roof Roof -sides Step -top Step -sides Total Say 22 M ² @ Rs.318/M ²	2	4.6		2	18.4	
		2	1	1.8		3.6	
		2	1.7	1.7		5.78	
		1	6.8	0.1		0.68	
		1	0.6	0.3		0.18	
		1	1.2	0.15		0.18	
						21.62	
10	Supplying and providing door in 16 g GI sheet and angle iron frame with proper locking arrangement and painting						6996.00
11	White washing and Painting @Rs.34/m ²					LS	4500.00
12	Unforeseen items if any					22	748.00
	Grand Total					106.64	205.00
						Rs.	39500.00
							38,800

Rs. 39,500 /- (Rupees thirty nine thousand and five hundred only)



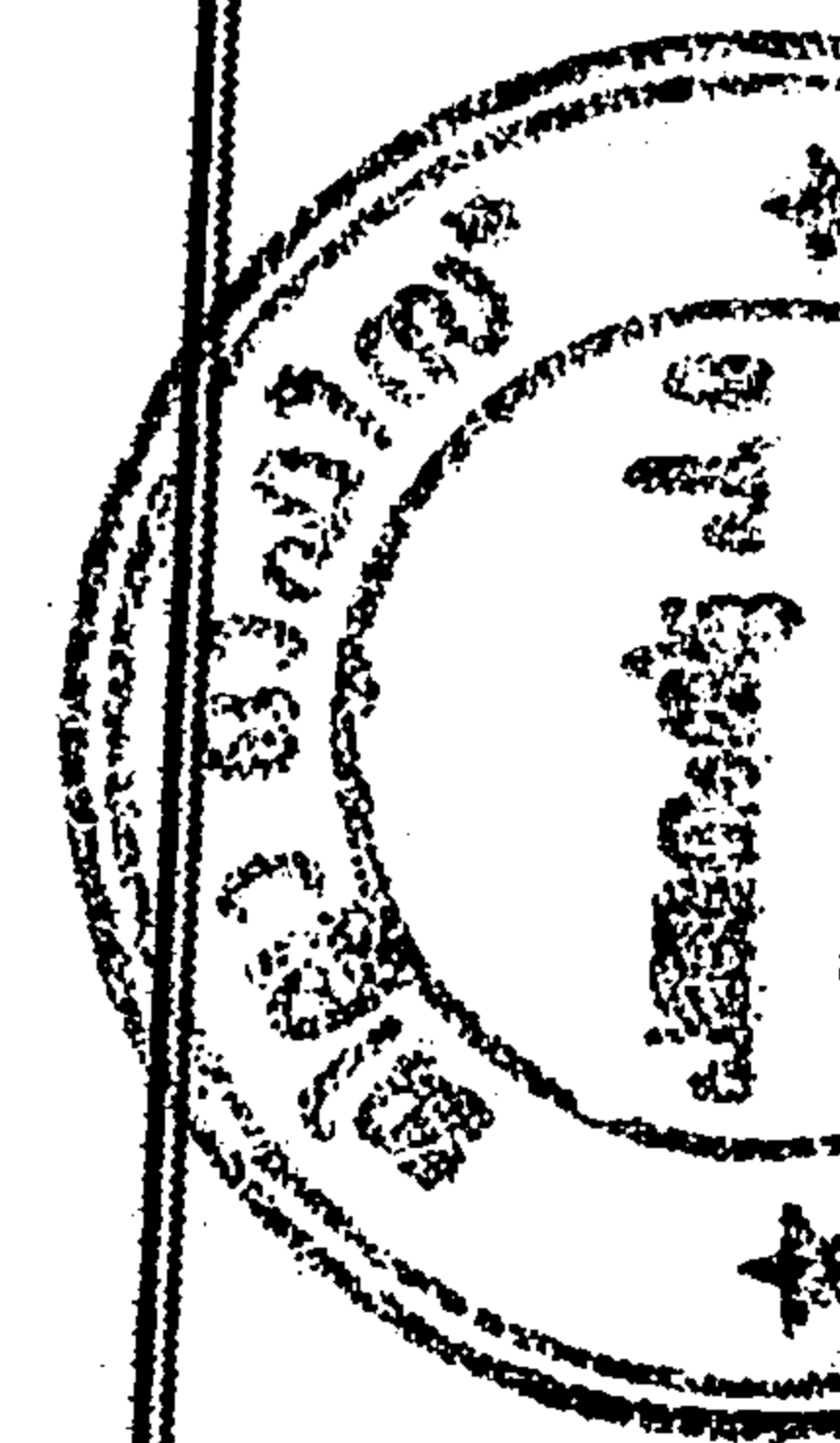
[Signature]
District Officer

GROUNDWATER DEPARTMENT DISTRICT OFFICE PATHANAMTHITTA
DESIGN FOR PUMP HOUSE



ALL DIMENSIONS ARE IN CM

[Signature]
 DISTRICT OFFICER



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 ജില്ലാ ജലവിഭാഗം
 പാതാമതിട്ട