

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- District Office- **Thiruvananthapuram**-
Implementation of MWSS at Panayarakonam, Kunnathukal Grama Panchayath
in Thiruvananthapuram District under Ground Water Based Drinking Water
Supply Scheme – sanction accorded - orders issued .

ORDER NO. T(1)/2526/2022/DGW

DATED : 21/06/2022

- Read :** 1. Letter No.GW/DOT/1171/2021 dated: 19/04/2022 from the District Officer,
Ground Water Department, Thiruvananthapuram.
2. Order No.T(1) 2526/2022/DGW dated: 07.06.2022 of Director, Groundwater
Department, Thiruvananthapuram.

ORDER

As per the letter read 1st, District Officer, Ground Water Department,
Thiruvananthapuram has forwarded a proposal with detailed estimate for an amount of
Rs. 11,05,000/- for the implementation of MWSS at Panayarakonam, Kunnathukal
Grama Panchayath in Thiruvananthapuram District under Ground Water 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. 11,03,000/-
(Rupees Eleven lakhs and three thousand only).

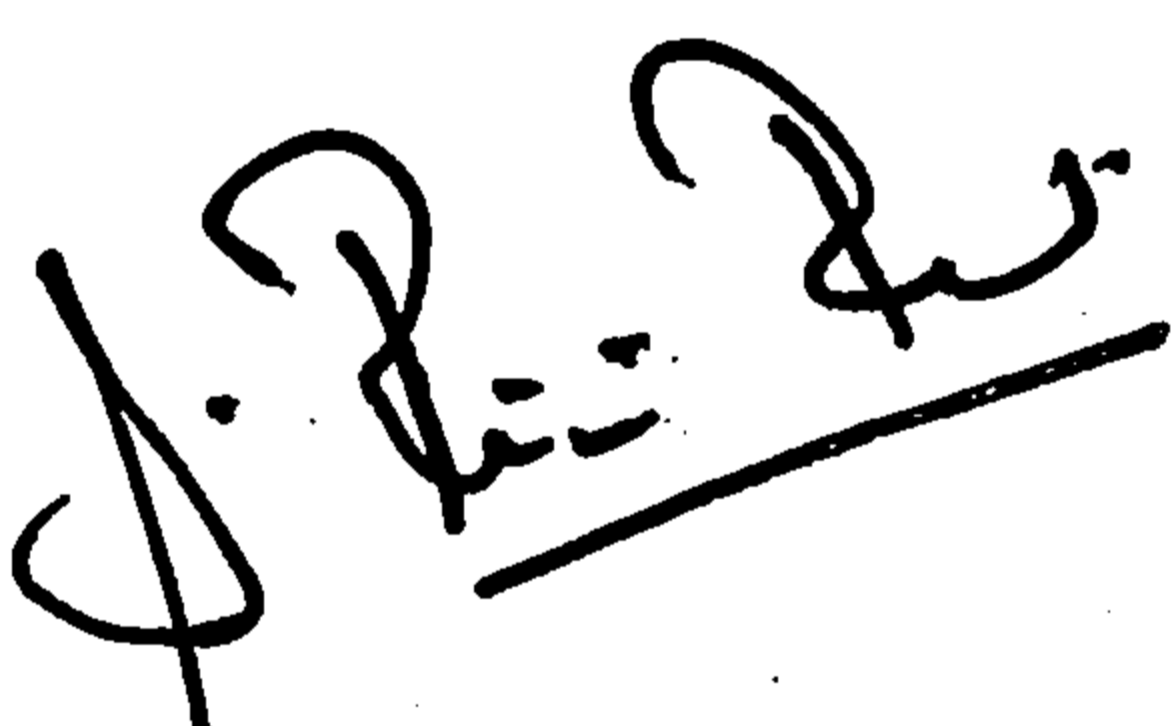
As per the order read as 2nd paper Administrative sanction for an amount of
Rs. 11,03,000/- (Rupees Eleven lakhs and three thousand only)) has been accorded by
the Director of Ground Water Department.

After examining the matter in detail, technical sanction is hereby accorded to
District Officer, Ground Water Department, Thiruvananthapuram for an amount of
Rs. 11,03,000/- (Rupees Eleven lakhs and three thousand only) for the implementation of

MWSS at Panayarakonam, Kunnathukal Grama Panchayath in Thiruvananthapuram District under Ground Water Based Drinking Water Supply Scheme.

The District Officer, Ground Water Department, Thiruvananthapuram should ensure that the work is carried out as per the 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. The 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

Encl: Copy of corrected estimate

To

 The District Officer, Ground Water Department, Thiruvananthapuram.

Copy to: T1 seat/SF

W/ DOT/1171/2021

ESTIMATE FOR THE IMPLEMENTATION OF MINI WATER SUPPLY SCHEME

Name of site : Panayarakonam
Name of Panchayat : Kunnathukal
Name of Constituency : Parassala
Name of beneficiary Families : 40

I DETAILS OF BORE WELL CONSTRUCTION

Total depth drilled - 60 m
Over Burden drilled - 14.5 m
140 mm dia PVC pipe 6 kg/cm² used for casing - 15 m
110 mm dia PVC pipe 4 kg/cm² used for inner casing - 49 m
Diameter of Bore - 121 mm
Yield - 4000 lph

II PUMPING SYSTEM					
Submersible pump and Connected Materials					
Sl.No	Details or description	Rate	Unit	Qty	Amount
1	Supply of 2 HP single Phase submersible motor with 28 stage 160 - 40 head pump 1 set (Including panel board)	25585	No	1	25585.00
2	4 mm submersible cable	145	m	65	9425.00
3	40 mm "U" PVC pipe	295	m	50	14750.00
4	14 mm nylon rope	41	m	55	2255.00


5	40 mm GI union	302.38 /	No	1	302.38
6	40 mm GI bend	135 /	No	2	270.00
7	40 mm NR valve	932.7 /	No	1	932.70
8	40 mm GM full way valve	798.53 /	No	1	798.53
9	Fixing fully wired single phase panel board including all materials,labour,earthing charge etc complete suitable for taking power supply from KSEB.	10851.63 /	No	1	10851.63
10	2 H.P submersible pump erection and fixing,cable jointing etc complete 1set including cost of GI fittings, resting clamp etc.	7826.18 /	No	1	7826.18
Total					72,996.42 /
III	<u>Pumping and Distribution System</u>				
1	Supply and fixing of PVC Water tank	10.37 /	L	3000	31,110.00
2	Pump House with water tank foundation of 5 m (above GL)height using rcc columns and rcc slab on the top including all materials, labour, conveyance etc complete. <i>As per actual measurement</i>	197000	No	1	1,97,000.00
3	40 mm Tank Connector	160	No	1	160.00
4	50 mm Tank Connector	190	No	1	190.00
5	40 mm PVC Pipe 10 Kg/cm ² for pumping line including 5% specials.	264.12 /	m	210	55,465.20
6	63 mm PVC Pipe 6 Kg/cm ² for distribution line including 5% specials.	309.54 /	m	80	24,763.20
7	50 mm PVC Pipe 6 Kg/cm ² for distribution line including 5% specials.	232.06 /	m	140	32,488.40
8	40 mm PVC Pipe 6 Kg/cm ² for distribution line including 5% specials.	222.71 /	m	325	72,380.75

0	25 mm PVC pipe 10 kg/cm ² for distribution including 5% specials	238.74 /	m	320	76,396.80
0	25 mm PVC pipe 10 kg/cm ² including 5% specials.	216.03 /	m	275	59,408.25
11	40 mm GM full way valve	798.53 /	No	2	1,597.06
12	32 mm GM full way valve	684.19 /	No	2	1,368.38
13	25 mm GM full way valve	584.89 /	No	2	1,169.78
14	Well protection cover using brick masonry and R.C.C slab 1No including all materials,labour and conveyance etc. <i>As per actual measurement</i>	4420.23 /	No	1	4,420.23
15	Supply and fixing hydrant with tap and construction of hydrant platform including all materials and labour etc (0.8 X 0.5 m).	2618.78 /	No	40	1,04,751.20
16	Demolishing of cement concrete (340 x 0.3 x 0.25).	23.25	m ³	2045.17 2045.17 /	47,550.20
17	Refilling the entire trench using PCC 1 : 4 : 8 (340 x 0.3 x 0.25).	23.25	m ³	6814.89	1,58,446.19
18	Supply and fixing of granite stone with letter incarvations for inaguration stone	5000	No	1	5,000.00
Total					8,73,665.65 /
IV	<u>Pump house</u>				
	Supply of metallic fabricated pump house using angle iron, flat, and AC Sheet etc door and locking facility all materials, labour, conveyance etc complete of size 1.2 x 0.9 x 2 m <i>(as per actual measurement)</i>	27118 /	No	1	27118
Total					27118

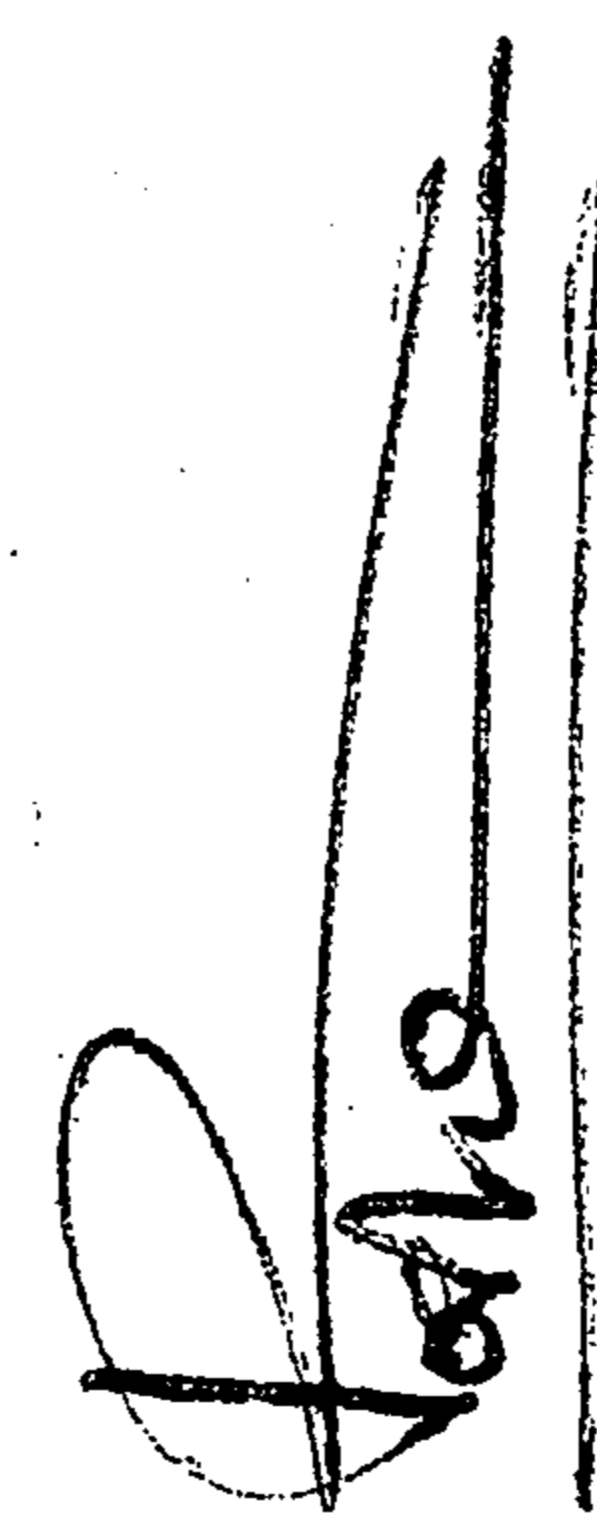
V	<u>Providing electric connection</u>		
	Providing power supply to pump house including K S E B charges (as per actuals).		10000
	Total		10000
	II + III + IV + V		9,83,780.07
	12 % GST (except V)	1,16,853.61	118053.61
	Unforeseen Expenditure	2346.32	3,166.33
	Grand Total	11,03,000/-	11,05,000.00


CERTIFICATE

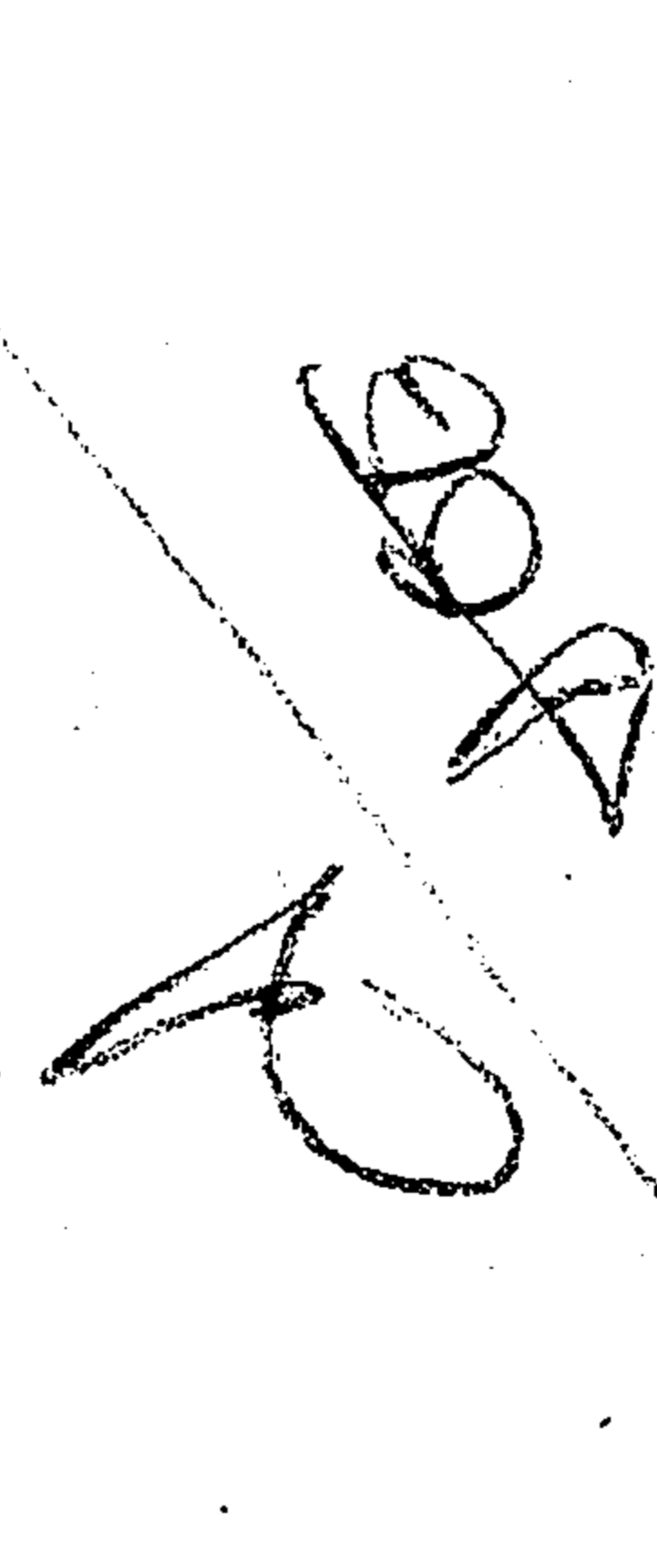
Certified that the estimate of the scheme has been prepared as per the department rate and local market rate considering the site condition and also certified that the site confirm the norms of GWDWSS. .

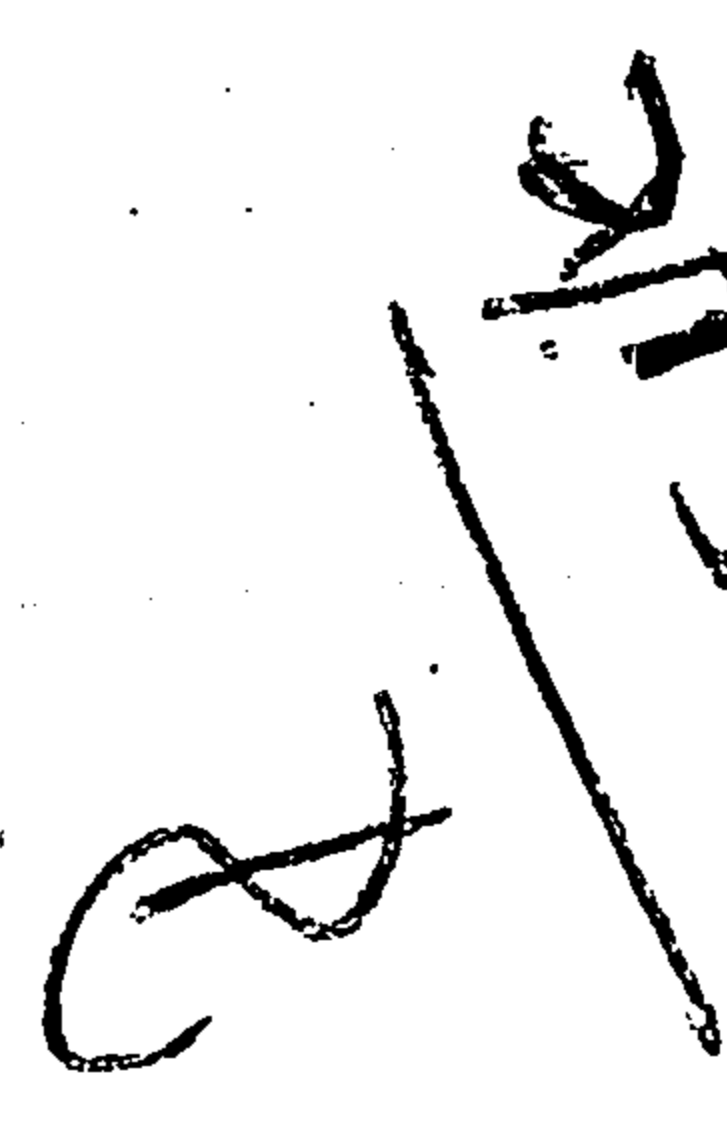

DISTRICT OFFICER

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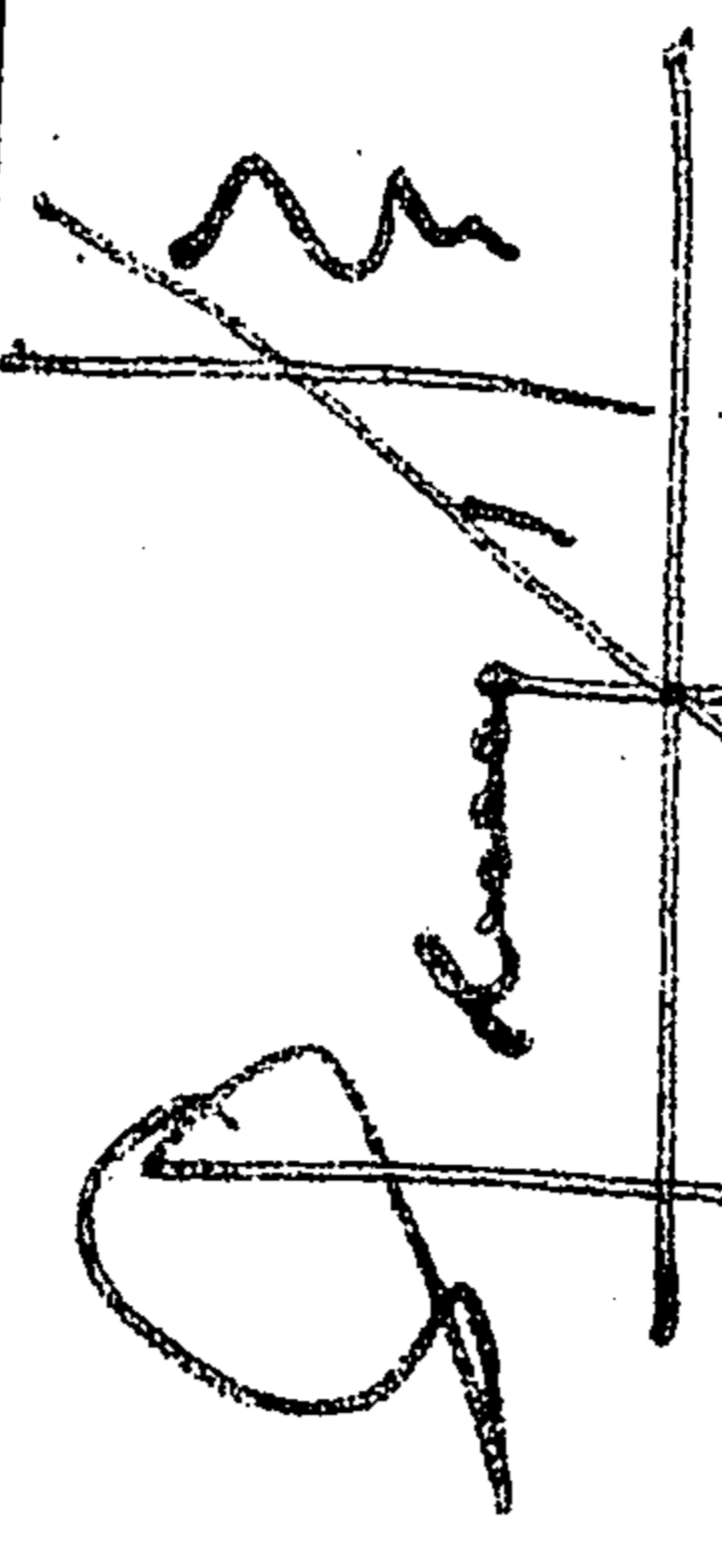



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GROUND WATER DEPARTMENT - KERALA

DATA ANALYSIS ON DSR 2018 Excluding Tax and Cess

		Cost Index For Thiruvananthapuram District @			1.3559
Sl. No.	DSR No.	Description	Rate	Unit	Amount
1	15.2.1	Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead - Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	1508.35	One Cubic Metre	2045.17
2	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)	5026.10	One Cubic Metre	6814.89


p **DISTRICT OFFICER**

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സീനിയർ ഓഫീസർ
കിരണമുഖർ