

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

Sub: Ground Water Department – Malappuram - Implementation of Mini Water Supply Scheme at Pallimukku (Asharipurakkal Colony), Pookkottoor Grama Panchayath in Malappuram District under Groundwater based drinking water supply scheme – Technical sanction accorded - orders issued.

ORDER NO:- T(1) / 4113/2021/DGW

Dated: 24.06.2022

Read:- 1. This office Order No. T1/4113/2021/DGW dated:23/09/2021.
2. Letter No. GM/836/2019, dated 12-04-2022 from District Officer, Ground Water Department, Malappuram.
3. Order No. (1) 4113/2021/DGW dated:20/06/2022 of Director, Ground Water Department, Thiruvananthapuram.

ORDER

As per the order cited 1st, sanction was accorded for the implementation of Mini Water Supply Scheme at Pallimukku (Asharipurakkal Colony), Pookkottoor Grama Panchayath in Malappuram for Rs. 5,82,323/-. The work could not be undertaken as nobody participated in the tender.

As per the letter read 2nd, District Officer, Ground Water Department, Malappuram has forwarded a revised proposal as per DSR 2018 with detailed estimate for an amount of Rs. 8,16,000/- for the implementation of mini water supply scheme at Pallimukku (Asharipurakkal Colony), Pookkottoor Grama Panchayath in Malappuram District under Groundwater based drinking water supply scheme for the year 2022-23.

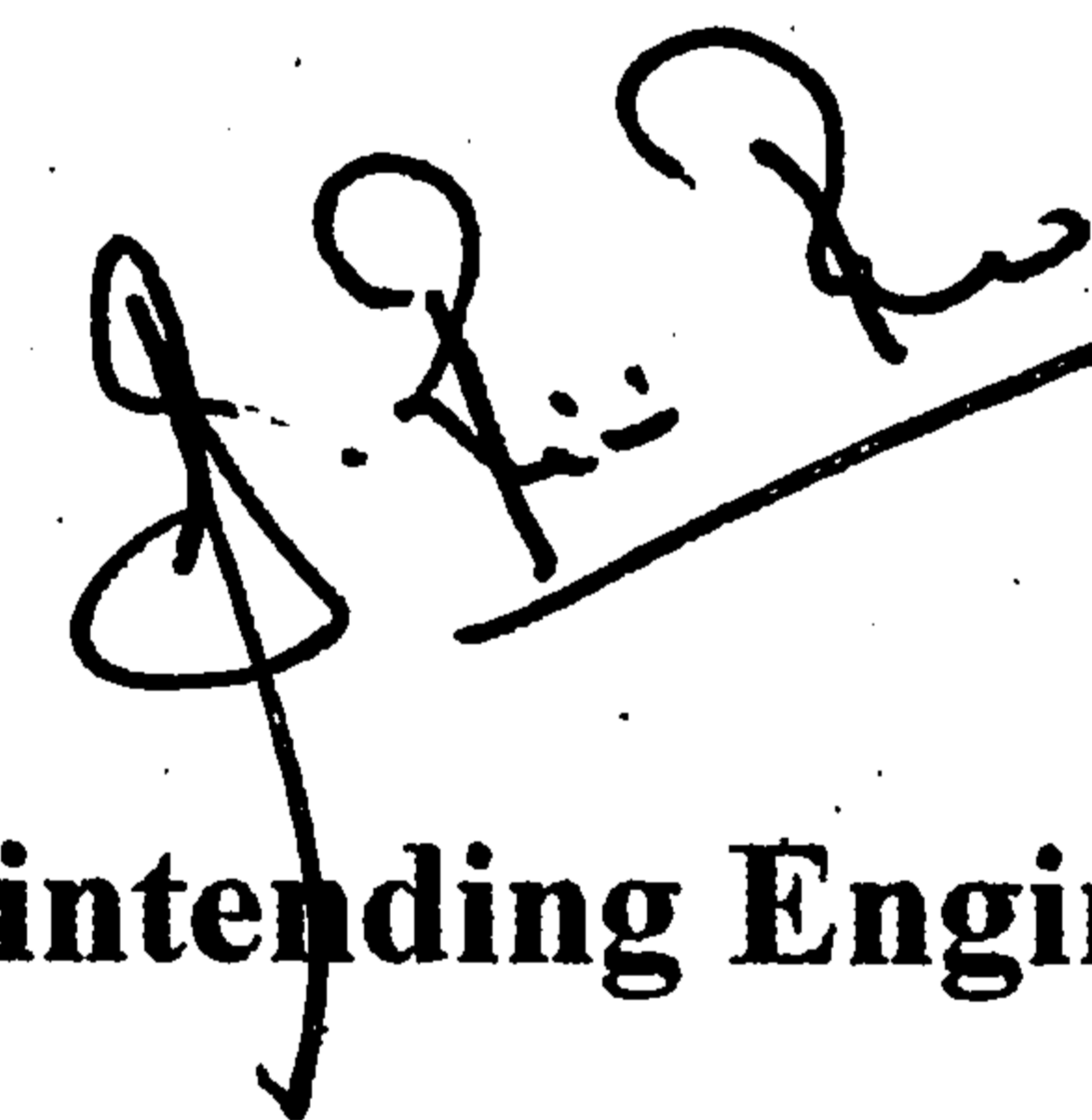
The proposal for the implementation of Mini Water Supply Scheme submitted by the District Officer has been verified and the amount is limited to Rs. 7,75,000/- (Rupees Seven lakhs and seventy five thousand only).

As per the order read as 3rd paper Administrative Sanction for an amount of Rs. 7,75,000/- (Rupees Seven lakhs and seventy five 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, Malappuram for an amount of Rs. 7,75,000/- (Rupees Seven lakhs and seventy five thousand only) for the implementation of mini water supply scheme at Pallimukku (Asharipurakkal Colony), Pookkottoor Grama Panchayath in Malappuram District under Groundwater based drinking water supply scheme

The District Officer, Ground Water Department, Malappuram 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 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
✓ The District Officer, Ground Water Department, Malappuram

Copy to : T(1) seat/SF

DISTRICT OFFICE, GROUND WATER DEPARTMENT, MALAPPURAM
ESTIMATE FOR MICRO WATER SUPPLY SCHEME AT PALLIMUKKU ASHARIPURAKKAL COLONY, WARD-7 IN
POOKKOTTUR GRAMA PANCHAYAT AS PER DSR 2018

Number of Beneficiaries:- 35 families

COST INDEX=36.44%

SL NO	Description of work	No	L	B	H	QTY	Rate Rs	Unit	Amount Rs	
1	Pumping test fees					7200	7490		7490.00	
2	Supply of single phase 3 HP, 22 stage submersible pump with ISI including panel board	1				1	28900	No	28900.00	
3	Cost of 6 mm Submersible electrical Cable 3 core @ Rs. 210/M		75				210	M	15750.00	
4	50 mm UPVC pipe for pump erection, 10kg/cm2		66				390	M	25740.00	
5	Supply of 12mm thick nylon rope		70				32	m	2240.00	
6	50 mm G.I. Union (GM)	1					394.6	No	394.60	
7	50 mm Non return valve (GM)	1					1355.12	No	1355.12	
8	Erection charge for 3HP submersible pump	1					7868		7868.00	
9	Electrification charge for single phase including panel board	1					10864		10864.00	
10	PVC WaterTank of good quality					5000	10.44	Litre	52200.00	
11	Platform for waterTank (Detailed estimate attached)	1					192500	221440	No	221440.00
12	25 mm 10kg/cm2 PVC pipe for submersible cable with trenching		10				216.98	M	2169.80	
13	Bore Adapter 40 mm	1					800	No	800.00	
14	Tank connector 50mm including for washout	2					190	No	380.00	
15	Providing and fixing 50 mm PVC Valve	1					300	M	300.00	
16	Providing and fixing 40 mm PVC Valve	2					235	M	470.00	
17	Supplying fixing and laying 50mm PVC 10Kg/cm2 for pumping with trenching		300				273.09	M	81927.00	
18	Supplying fixing and laying 40 mm PVC 10Kg/cm2 for Distribution with trenching		530				265.07	M	140487.10	
19	25 mm 10kg/cm2 PVC pipe for distribution with trenching		240				216.98	M	52075.20	
20	Charges for metallic pump house size 1.2x0.9x2m including cost of Name board writing (As per actual measurement)	1					27288	No	27288.00	
21	Supplying and fixing hydrants including all materials and labour charges (0.6 x 0.3)	10					1964.68	No.	19646.80	
22	Cost of well protection cover (As per actual measurement)	1					4447.94	No.	4447.94	
23	Cost of Plastic tap	25					70	E	1750.00	
24	Electric Connection charges to KSEB (As per KSEB Bill)								10000.00	
25	Total						6867636		715983.56	
26	Unforeseen items						LS 7029.88		13659.00	
27	GST 12% Excluding Item No. 24						81211.63		86357.11	
28	Grand Total								816000	

(Rupees Eight lakh sixteen thousand only)

1. Certified that the rates specified in the estimate is as per departmental norms.
2. Certified that the above scheme is prepared as per norms and conditions of Ground water based Drinking Water Mission.

District Officer

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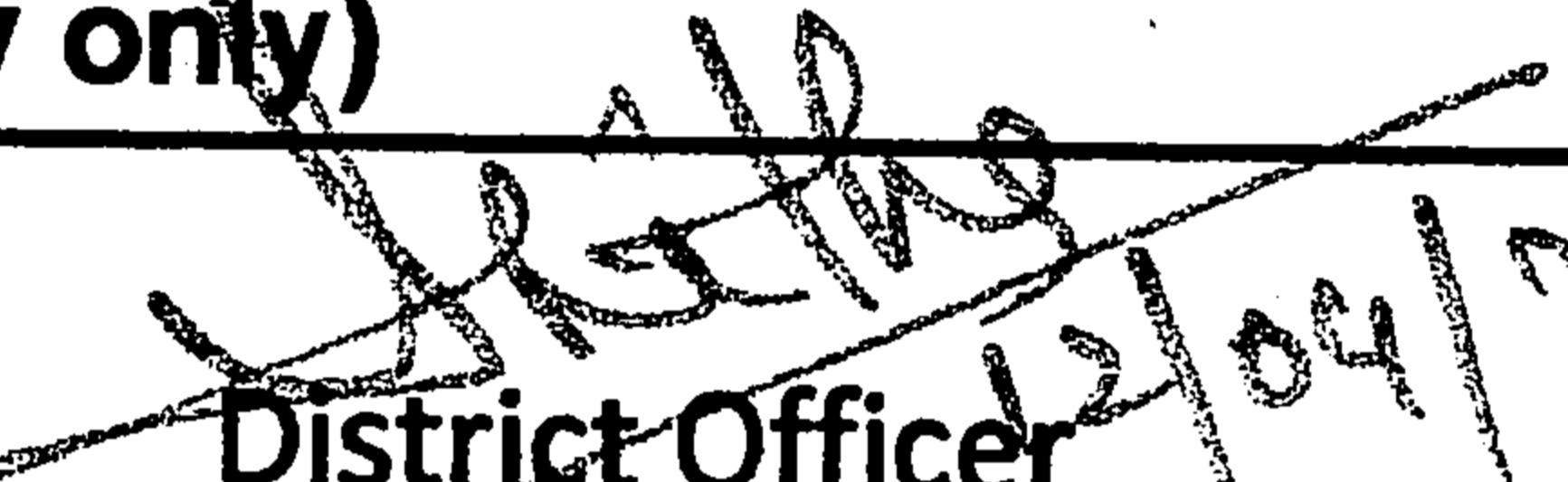
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 12/04/2022

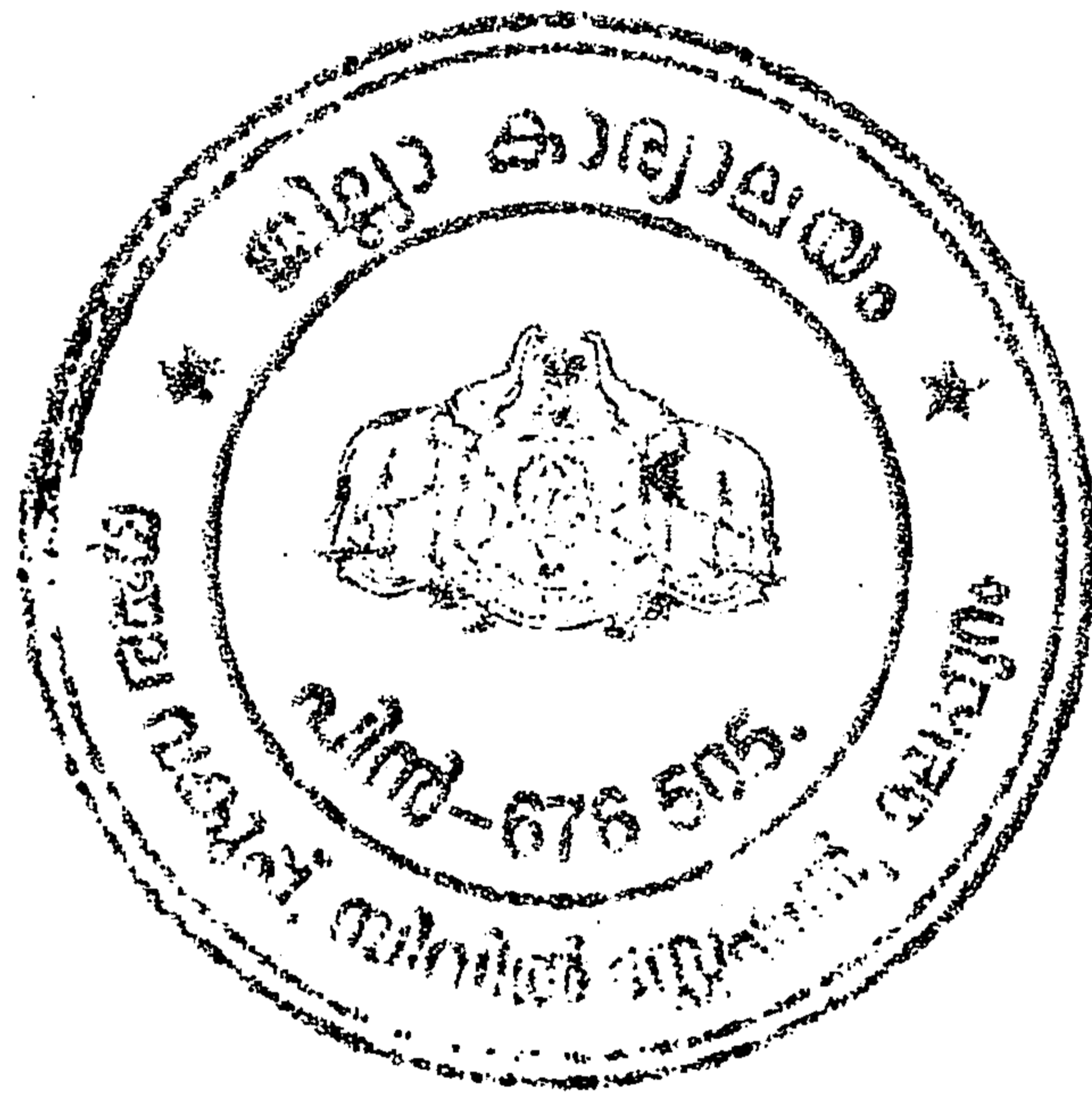
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DETAILED ESTIMATE OF WATER TANK PLATFORM							
Capacity of Tank = 5000		Size of Platform - 3.00M x 3.00M x 1.50M					
Sl. No.	Particulars	No.	Length	Breadth	Height	Quantity	Amount Rs.
1	Earth work excavation as per DSR item 2.6.1	1	3.5	3.5	0.8	9.8	
	Say 9.8 M ³	Item code No.2.6.1 x index=181.85/M ³ x36.44%				248/M ³	2430.40
2	Providing and laying in position RCC 1:2:4(1 cement : 2 coarse sand : 4 grade stone aggregate 20 mm nominal size), excluding the cost of centering, shuttering, finishing and reinforcement as per DSR item 5.1.3						
	Top of DR masonry foundation	1	3.5	3.5	0.1	1.225	
	Top of the RR masonry	1	3.0	3.0	0.1	0.9	
	Total					2.13	
	Say 2.13M ³	Item code No.5.1.3 x index=7296.35/M ³ x36.44%				9955.14/M ³	21204.45
3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level (Mild and Medium Tensile steel bars) as per DSR item 5.22A.1						
	Quantity as item 4					2.13M ³	
	at 80 kg/m ³			80	2.13	170.4kg	
	Say 170.4kg	Item code No.5.22A.1 x index=82.1/kgx36.44%				112.02/kg	19088.21
4	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete as per DSR item 5.9.1						
	Slab	2	12	0.1		2.4	
	Total					2.4M ²	
	Say 2.4M ²	Item code No.5.9.1 x index=284.85/M ² x36.44%				388.65/M ²	932.76
5	Dry rubble masonry with hard stone in foundation	1	3.5	3.5	0.6	7.35	
	Total					7.35	
	Say 7.35M ³ @ Rs.4823/M ³						35449.05
6	Random rubble masonry with hard stone in superstructure above plinth level with cement mortar 1:6 : as per DSR item No.7.2.1	1	3	3	1.4	12.6	
	Total					12.6	
	Say 12.6M ³	Item code No.7.2.1 x index=7489.95/M ³ x36.44%				10219.3/M ³	128763.18
7	Plastering with cm 1:4, 12mm thick as per DSR item No.13.1.1	1	12	1.5		18	
	Total					18.00	


X


	Say 18M ²	Item code No.13.1.2 x index=266.85/M ² x36.44%				364.09/M ²	6553.62
8	White washing as per DSR item No.13.37.1 Total	1	12	1.5		18 18.00	
	Say 18M ²	Item code No.13.37.1 x index=28.55/M ² x36.44%				38.95/M ²	701.10
9	Supplying and providing posts for hand rails with 65MM GI pipe Total	8			0.80	6.40	
	Say 6.40M					518.07/M	3315.65
10	Supplying and providing hand rails with 32MM GI pipe Say 12M	4	3.00			12.00 250.27/M	3003.24
11	Total						221441.65
12		Rounded to					221440.00
(Rupees Two lakh twenty one thousand and four forty only)							


 District Officer
 ജില്ലാ ഓഫീസർ
 വായ്പ വകുപ്പ്
 സിവിൽ സ്റ്റേഷൻ, ചെങ്ങന്നൂർ
 ഫീൽഡ് - 676 505.



Not as per DSR rate





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DETAILED ESTIMATE OF WATER TANK PLATFORM							
Capacity of Tank = 5000			Size of Platform - 3.00M x 3.00M x 1.50M				
Sl. No.	Particulars	No.	Length	Breadth	Height	Quantity	Amount Rs.
1	Earth work excavation as per DSR item 2.6.1	1	3.5	3.5	0.8	9.8	
	Say 9.8 M ³					215.37/M ³	2110.63
2	Providing and laying in position RCC 1:2:4 (1 cement : 2 coarse sand : 4 grade stone aggregate 20 mm nominal size), excluding the cost of centering, shuttering, finishing and reinforcement as per DSR item 5.1.3						
	Top of DR masonry foundation	1	3.5	3.5	0.1	1.225	
	Top of the RR masonry	1	3.0	3.0	0.1	0.9	
	Total					2.13	
	Say 2.13M ³					8642.31/M ³	18408.12
3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level (Mild and Medium Tensile steel bars) as per DSR item 5.22.1						
	Quantity as item 4					2.13M ³	
	at 80 kg/m ³			80	2.13	170.4kg	
	Say 170.4kg					97.28/kg	16576.51
4	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete as per DSR item 5.9.1						
	Slab	2	12	0.1		2.4	
	Total					2.4M ²	
	Say 2.4M ²					337.42/M ²	809.81
5	Dry rubble masonry with hard stone in foundation	1	3.5	3.5	0.6	7.35	
	Total					7.35	
	Say 7.35M ³ @ Rs 4823/M ³						35449.05
6	Random rubble masonry with hard stone in superstructure above plinth level with cement mortar 1:6 : as per DSR item No.7.2.1	1	3	3	1.4	12.6	
	Total					12.6	
	Say 12.6M ³					8944.12/M ³	112695.91
	Plastering with cm 1:4, 12mm thick as per DSR item No.13.1.1	1	12	1.5		18	

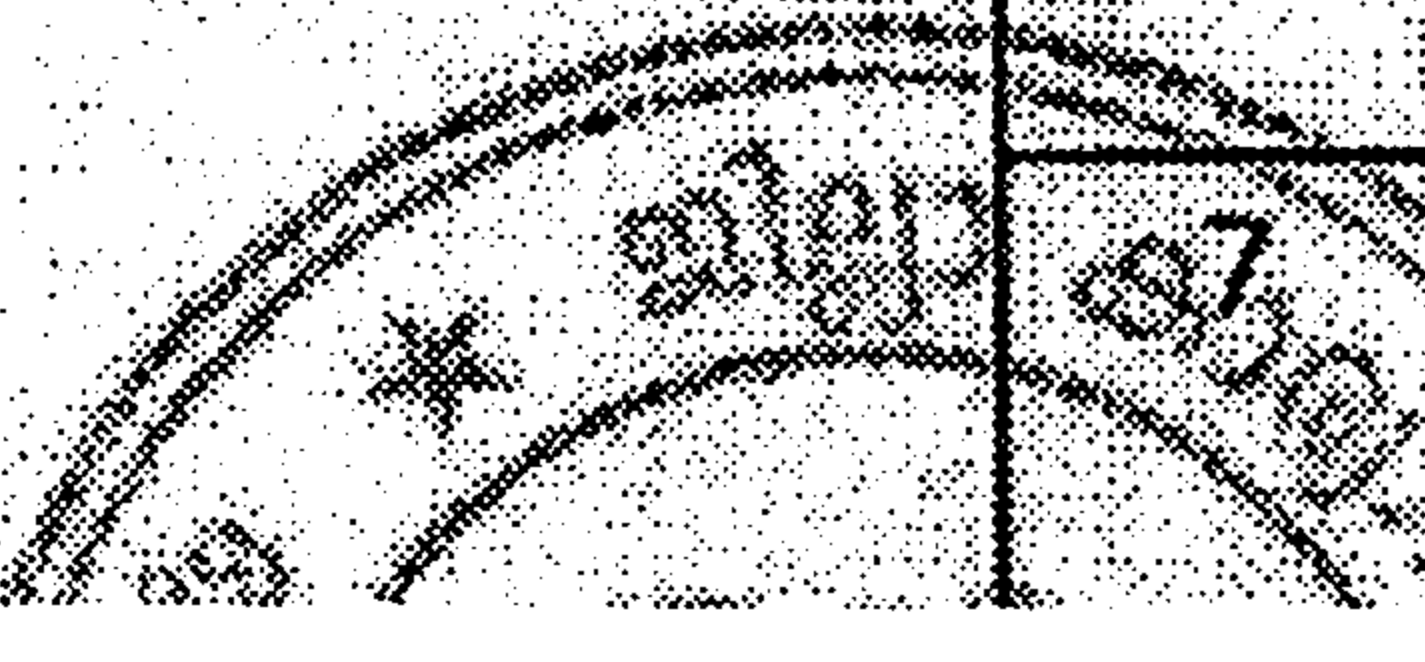
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50.7.7.1

4027.2

29599.92

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andom rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse
d : 12 graded stone aggregate 20 mm nominal size) up to plinth level with:
ement mortar 1:6 (1 cement : 6 coarse sand)

Description	Unit	Quantity	Rate	Amount
Details of cost for 1 cum				
MATERIAL				
Stone for masonry work	cum	1.0	1100.00	1100.00
Through and bond stone size 24 x 24 x 39cm	100 nos	7.0	5000.00	350.0
CARRIAGE:				
Carriage of Soling stone & masonry stone	cum	1.16	122.08	141.61
7.00x24cmx39cm = 0.16 cum				
1.00 cum + 0.16 cum. = 1.16 cum				
Cement mortar 1:6 (1 cement : 6 Coarse sand)				
Rate as per item Number 3.11 of SH:				
Mortars	cum	0.33	3356.15	1107.53
LABOUR:				
Mason (for plain stone work) 2nd class	Day	1.07	679.00	726.53
Beldar	Day	1.07	558.00	597.06
Coolie	Day	0.71	558.00	396.18
Bhisti	Day	0.09	617.00	55.53
Sundries-Cement concrete 1:6:12	L.S	45.76	2.00	91.52
Sundries-	L.S	4.42	2.00	8.84
			TOTAL	4574.80
			Add Water Charges @ 1%	45.75
			TOTAL	4620.55
			Add CPOH @ 15%	693.08
			TOTAL	5313.63
			Cost of 1.0 cum	5313.63
			Cost per cum	5313.63
			Say	5313.65

3469.28

4029.2