

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

Sub: Ground Water Department – Kannur - Implementation of Mini Water Supply Scheme at Angadikadavu Nellissery Road (Niranganpara) in Ayyankunnu Grama Panchayath in Kannur District under Groundwater based drinking water supply scheme – Technical sanction accorded - orders issued.

**ORDER NO:- T(1) / 3317/2022/DGW**

**Dated: 05.07.2022**

Read:- 1. Letter No. GW/KNR/491/2022, dated 21-05-2022 from District Officer, Ground Water Department, Kannur.  
2. Order No. T(1) 3317/2022/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, Kannur has forwarded a proposal with detailed estimate for an amount of Rs. 9,99,000/- for the implementation of mini water supply scheme at Angadikadavu Nellissery Road (Niranganpara) in Ayyankunnu Grama Panchayath in Kannur 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. 9,96,000/- (Rupees Nine lakhs and ninety six thousand only).

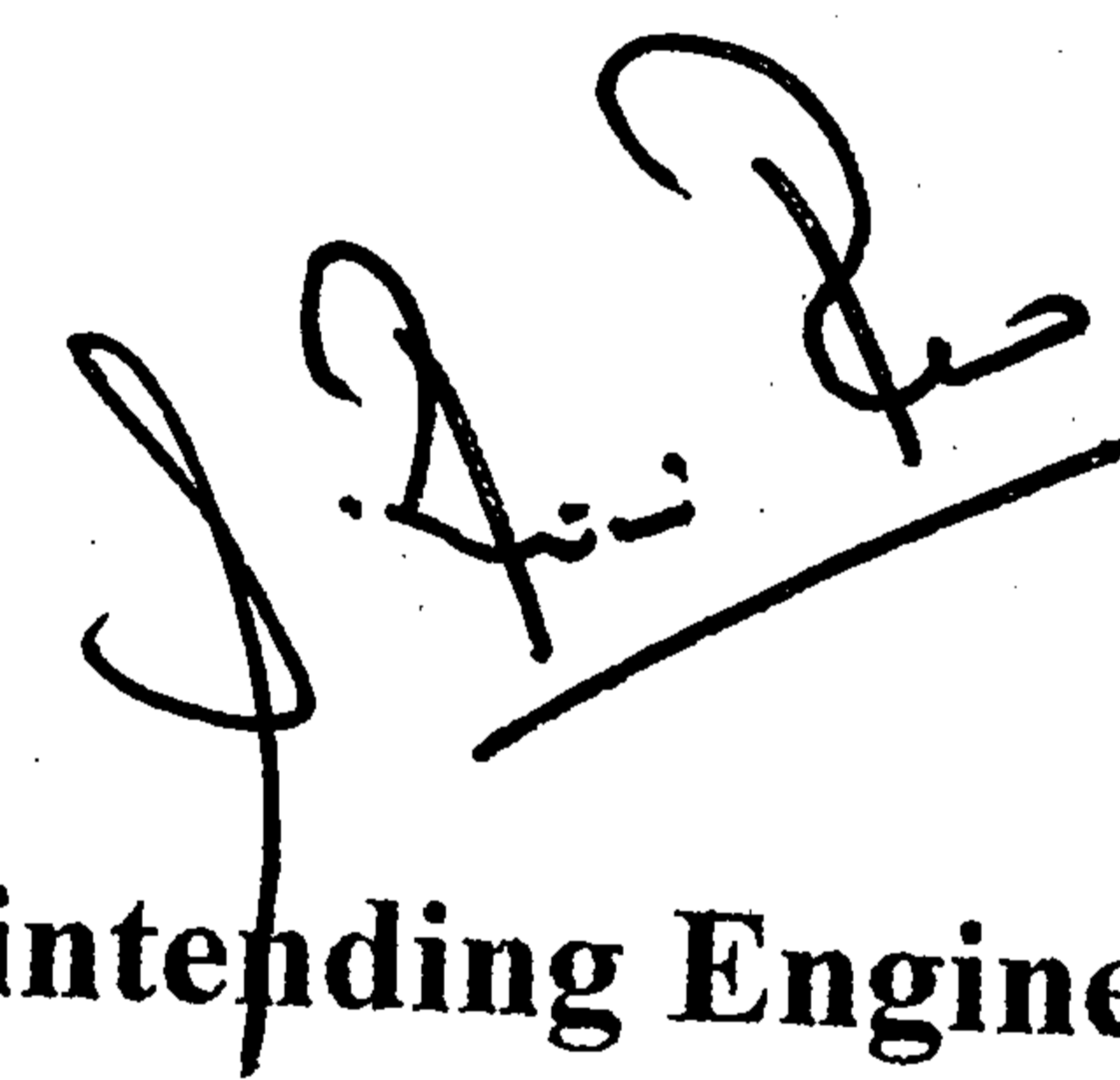
As per the order read as 2<sup>nd</sup> paper Administrative Sanction for an amount of Rs. 9,96,000/- (Rupees Nine lakhs and ninety six thousand only) has been accorded by the Director of Ground Water Department.

After examining the matter in detail, technical sanction is hereby accorded to the District Officer, Ground Water Department, Kannur for an amount of Rs. 9,96,000/- (Rupees Nine lakhs and ninety six thousand only) for the implementation of mini water

supply scheme at Angadikadavu Nellissery Road (Niranganpara) in Ayyankunnu Grama Panchayath in Kannur District under Groundwater based drinking water supply scheme

The District Officer, Ground Water Department, Kannur 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 District Officer should intimate the date of completion of the above scheme.



Superintending Engineer (General) i/c

Encl: Verified Estimate

To

✓ The District Officer, Ground Water Department, Kannur.

Copy to : T(1) seat/SF

**DETAILED ESTIMATE FOR MINI WATER SUPPLY SCHEME AT ANGADIKADAVU NELLISSERY ROAD  
(NIRANGANPARA) IN AYYANKUNNU GRAMA PANCHAYATH IN KANNUR DISTRICT.**

Sl. No.	Particulars	Rate (Rs.)	Quantity	Unit	Amount (Rs.)
1	Charge Water quality test <i>(As per actuals)</i>	2790	1	No	2790 ✓
2	Supply of ISI Marked <u>single</u> phase 1.5 HP 21 stage Submersible pumpset suitable for 150 MM Dia Bore Well which delivers 2000 LPH at a Total Head of 125 M -50 M.	22100	1	1No	22100 ✓
3	Electrification charge for single phase pannel board including 75 x 75 cm size metal box, 32A ICDP, ELCB, Fuse, 5A switch etc. and also including wiring charges complete.	10826	1	No.	10826 ✓
4	Supply of submersible cable 4 mm <sup>2</sup> (ISI)	145	55	M	7975 ✓
5	Supply 40 mm, 20 Kg/Cm <sup>2</sup> UPVC (good quality) pipe inclusive of cost, conveyance etc;	295	45	M	13275 ✓
6	Charge for erecting Submersible pump set up to 3 HP	7742	1	No.	7742 ✓
7	Charge constructing bore well protection. 0.65X0.65X0.6m in brick wall, having 0.8X0.8X0.1m concrete slab, 0.75X0.75X0.1m concrete foundation.	4365	1	No.	4365 ✓
8	Supplying of Nylon rope for pump erection 14 mm thick good quality	41	50	M	2050 ✓
9	Supply and fitting of GI Bend, Union, GM NRV, etc.	1279	1	No.	1279 ✓
10	Cost of CI adapter for connecting 40mm UPVC pipe	800	2	No.	1600 ✓
11	Electric connection charges including contribution to KSEB, wiring certificate, cost of 2 Nos post etc complete bill as per actuals (approximately)	15000	1	LS	15000 ✓
12	Construction of water tank platform with pump house 2 x 2 x 6.45 m, RCC Colomns , Beams , laterate masonry, plastering, painting etc Complete. <i>(As per actual measurement)</i>	350000	1	No.	350000 ✓
13	Supplying and placing of PVC Tank ISI marked inclusive of cost, conveyance etc.	10.24	3000	Litre	30720 ✓
14	Supplying and fitting of PVC Tank connector 63 mm.	305.00	1	No.	305 ✓
15	Supplying and providing 50mm wash out. 235+300	535	1	M	535 ✓
16	Supplying, laying and jointing 40 mm ISI marked PVC pipe( 10 kg/cm <sup>2</sup> ) ISI Marked PVC pipe for pumping main and distribution inclusive of all cost of specials, trenching, refilling and conveyance etc.	262	300	M	78600 ✓
17	Supplyin and jointing 80 mm GI pipe for road crossing inclusive of all cost of special and conveyance etc.	695	12	M	8340 ✓

18	Supply laying and jointing 75 mm ISI marked PVC pipe (6 kg/cm <sup>2</sup> ) for distribution inclusive of all cost of specials, trenching, refilling and conveyance etc.	322 ✓	100	M	32
19	Supplying, laying and jointing 63 mm ISI marked PVC pipe (6 kg/cm <sup>2</sup> ) for distribution inclusive of all cost of specials, trenching, refilling and conveyance etc.	308 ✓	150	No.	46200 ✓
20	Supplying and providing 50 mm ISI marked PVC pipe (10 kg/cm <sup>2</sup> ) for distribution inclusive of all cost of specials, trenching, refilling and conveyance etc.	270 ✓	200	M	54000 ✓
21	Supplying, laying and joining 32mm ISI marked (10kg/cm <sup>2</sup> ) PVC pipe for distribution inclusive of all cost of specials, trenching, refilling and conveyance etc.	236.84 239	300	M	71052 71700
22	Supplying, laying and joining 25mm ISI marked (10kg/cm <sup>2</sup> ) PVC pipe for distribution and cable wire protection inclusive of all cost of specials, trenching, refilling and conveyance etc.	214 ✓	380	M	81320 ✓
23	Manhole for valve	600 ✓	2	M	1200 ✓
24	Supply and providing 63 mm PVC Ball valve inclusive of cost and conveyance etc.	340 ✓	1	No.	340 ✓
25	Supply and providing 50 mm PVC ball valve inclusive of cost and conveyance	300 ✓	2	No.	600 ✓
26	Supply and providing 40 mm PVC ball valve inclusive of cost and conveyance.	235 ✓	2	No.	470 ✓
27	Supplying and providing tap with platform etc (0.60m. x 0.30m.)	1807.00	23	M	41561 ✓
28	Lettering with black Japan paint of approved brand and manufacture per letter per 5 cm height	27.45 ✓	100	No	2745 ✓
	<b>Total</b>				88,9190 (889838)
29	Add 12% as GST component (except 11), 1)	104568			106781 (106781)
30	Expenses for contingencies and unforeseens if any	2242			2381 (2381)
	<b>GRAND TOTAL</b>				9,96,000/- (999000)
<b>(RUPEES NINE LAKH AND NINETY NINE THOUSAND ONLY)</b>					

9,96,000/-

*Shahm*

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DETAILED ESTIMATE OF PUMP HOUSE WITH WATER TANK PLATFORM SIZE 2.00 X 2.00 X 6.45 M AT ANGADIKADAVU NELLISSERY ROAD (NIRANGANPARA) IN AYYANKUNNU GRAMA PANCHAYATH

Sl.No	Description pump house	No	L	B	H	Qty	Rate	Unit	Amount
1	Surface dressing of the ground including removing vegetation and in equalities not exceeding 15 CM deep and disposal of rubbish, lead up to 50 m and lift upto 1.5m. For all kind of soil.	1	6	6		36	28.32	m <sup>2</sup>	1020
2	Earth work excavation in hard soil for foundation	4	1	1	1	4	219	m <sup>3</sup>	876
3	PCC 1:4:8: using 40mm broken stone	4	1	1	0.2	0.8	6729.95	m <sup>3</sup>	5384
4	RCC 1:1:5:3 (1cement:1.5 sand:3 meatal) for foundation footing including cost and conveyance of materials, labour charges etc and excluding reinforcement.								
	Column 1 <sup>st</sup> footing in the shape of truncated square pyramid.	4	$H/3(A1+A2+SQR(A1*A2))$			1.14			
	Column footing 3rd	4	0.6	0.6	0.3	0.432			
	Plinth beams	4	1.5	0.25	0.3	0.45			
						2.022	8971.9	m <sup>3</sup>	18141
	Column	4	0.25	0.25	6.3	1.575	10817.5	m <sup>3</sup>	17038
	Beams	8	1.5	0.25	0.3	0.9			
	Slab- Pump house	1	3	3	0.15	1.35			
	Slab- tank platform	1	3	3	0.15	1.35			
	Total					3.6	11349.6	m <sup>3</sup>	40859
a)	Form work of footing	4	3.6	0.5		7.2			
		4	2.4	0.3		2.88			
						10.08	331.13	m <sup>2</sup>	3338
b)	Form work of column	4	6.3	1		25.2	852.88	m <sup>2</sup>	21493
	Form work of slab- Pump house	1	3.3	3.3		10.89		m <sup>2</sup>	
	Form work of slab- water tank platform	1	3.3	3.3		10.89			
						21.78	805.61		17546
	Form work of Beam	8	1.5	0.85		10.2	641.72	m <sup>2</sup>	
c)	Plinth Beam	4	1.5	0.85		5.1	641.72	m <sup>2</sup>	3273
5	Reinforcement for RCC work bent tied and placed with TMT steel of Fe-500D or above. 7.197x100=720 kg )					720	97.08	KG	69898
6	Laterate masanry with cement mortar 1:6 (1 cement, 6 coarse sand) for super structure upto 5m height including cost and conveyance of all labour charges etc complete.	1	5.3	2.7	0.2	2.862	7025.96	m <sup>3</sup>	20108
7	Plastering with cement mortar 1:3,12mm thick								
	Column	4	1	6.3		25.2			
	Slab- water tank platform.	1	3.3	3.3		10.89			
	slab bottom side	1	3	3		9			
	Slab- Pump house.	1	3.3	3.3		10.89			

1019.52

5383.96

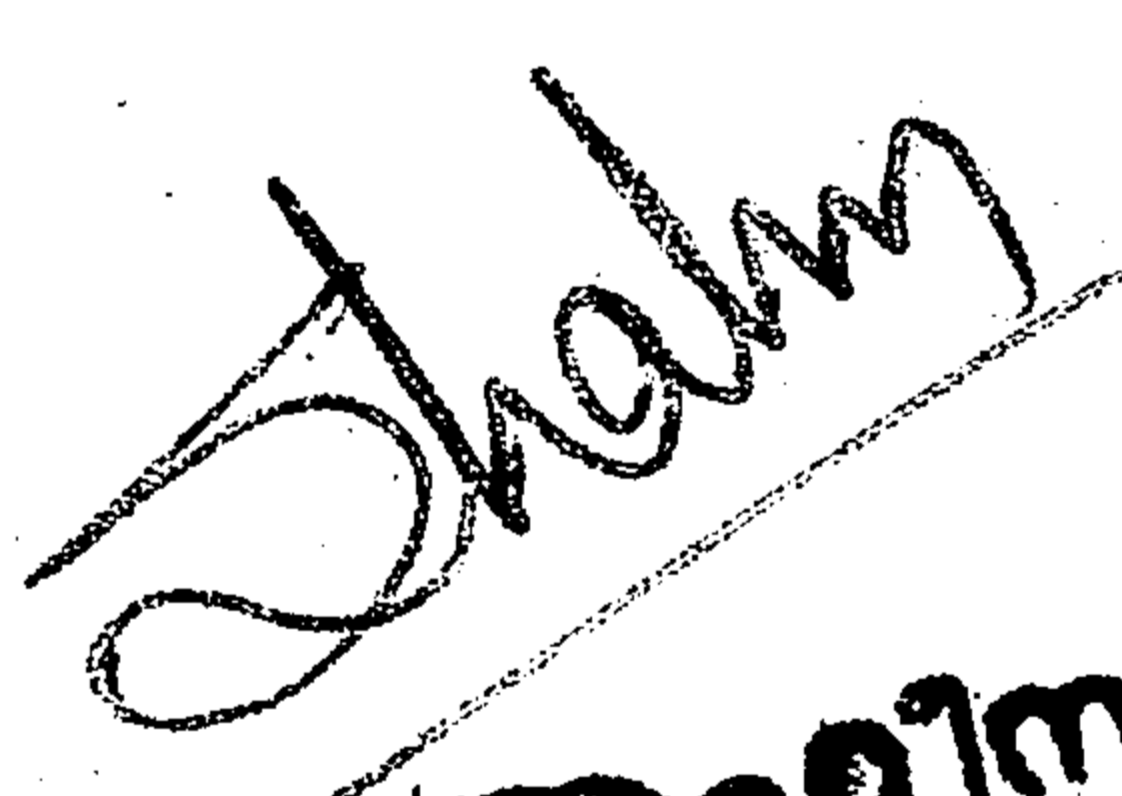
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*Handwritten signature and text: 'Shahm' and 'അഡ്മിസ്ട്രേഷൻ'.*

	Slab Pump house bottom side	1	3	3		9			
	Beam- Top	4	1.5	0.85		5.1			
	Beam middle	4	1.5	0.6		3.6			
	Beams- Plinth	4	1.5	0.3		1.8			
	Wall outer	4	2	2.7		21.6			
	Wall inner	4	1.5	2.7		16.2			
	Deduction for door opening	2	0.7	2.7		3.78			
	<b>Total</b>					<b>109.5</b>	<b>406.99</b>	<b>m<sup>2</sup></b>	<b>44565</b>
8	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface. Water thinnable cement primer.					109.5	69.76	m <sup>2</sup>	7639
9	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade. Two or more coats on new work.					109.5	149.5	m <sup>2</sup>	16370
10	Filling with red earth by contractor, DSR.2.25, 190.7X1.339	1	2	2	0.3	1.2	255.35	m <sup>3</sup>	306
11	PVC door 2x0.7m with Frame and lock. (As per actual measurement and supplying ladder with 75X25 mm and 50X25mm, 16 gauge rectangular tube to a length of 8 m and fixing one end on the ground with CC and other end resting on RCC slab bent and tied in position and fencing on the side of the water tank platform.)						3000	No	3000
12						180	183.04	Kg	32947
13	Scaffolding for plastering work.	1	6.5	12		78	299		23322
	<b>Total</b>								<b>347123</b>
14	Unforeseen charges if any								2877
	<b>Grand Total</b>								<b>350000</b>
<b>(RUPEES THREE LAKH AND FIFTY THOUSAND ONLY)</b>									



  
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 2-ാം നില, അഡി: സിവിൽ എൻജിനീയറിംഗ്  
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