

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 Nellikutty Town in Eruvessy Grama Panchayath in Kannur District under Groundwater based drinking water supply scheme – Technical sanction accorded - orders issued.

ORDER NO:- T(1) / 2729/2022/DGW

Dated: 05.07.2022

Read:- 1. Letter No. GW/KNR/1138/2021, dated 23-04-2022 from District Officer, Ground Water Department, Kannur.
2. Order No. T(1) 2729/2022/DGW dated:25/06/2022 of Director, Ground Water Department, Thiruvananthapuram.

ORDER

As per the letter read 1st, District Officer, Ground Water Department, Kannur has forwarded a proposal with detailed estimate for an amount of Rs. 9,97,000/- for the implementation of mini water supply scheme at Nellikutty Town in Eruvessy 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. 9,90,000/- (Rupees Nine lakhs and ninety thousand only).

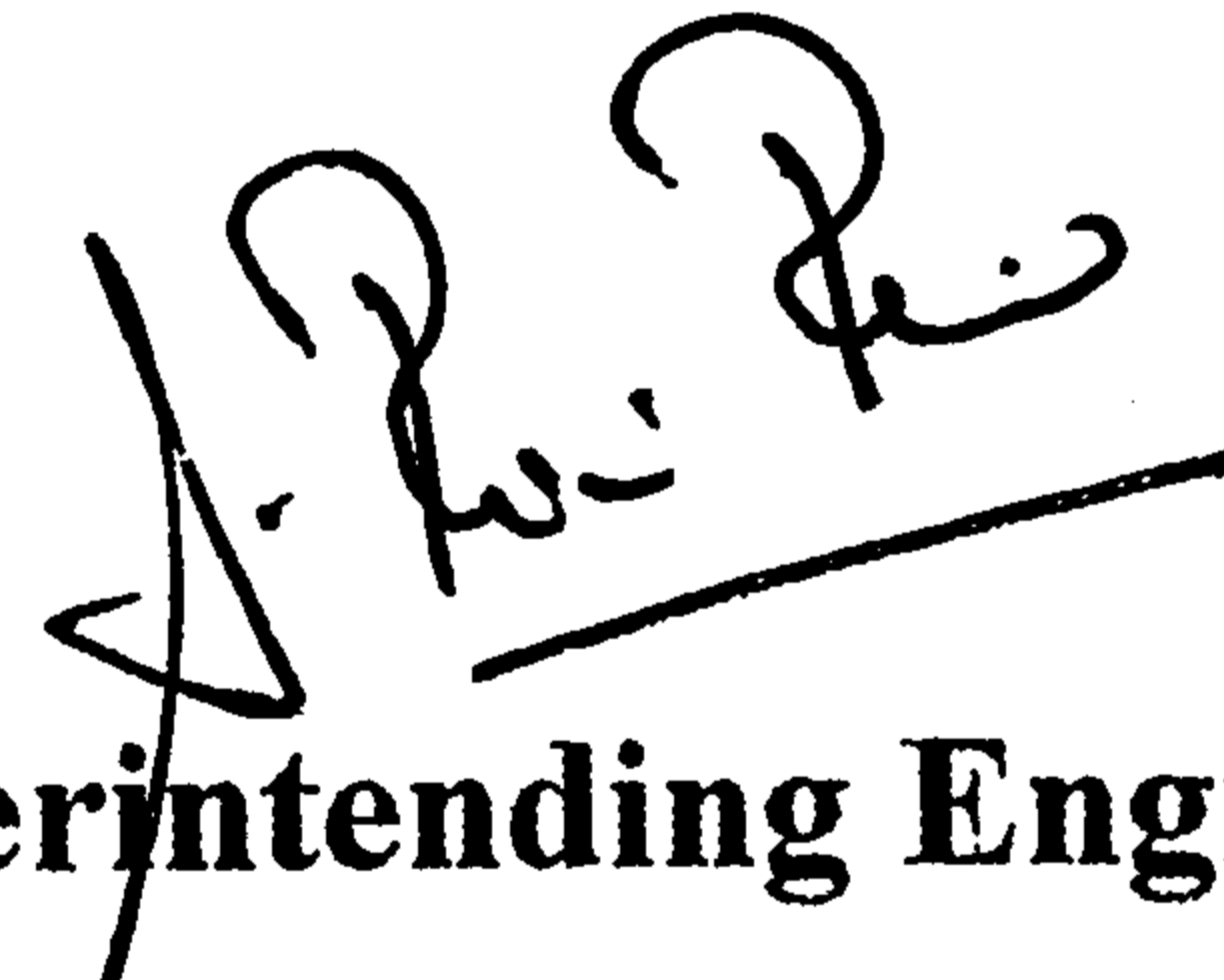
As per the order read as 2nd paper Administrative Sanction for an amount of Rs. 9,90,000/- (Rupees Nine lakhs and ninety thousand only) has been accorded by the Director of Ground Water Department.

After examining the matter in detail, technical sanction is hereby accorded to the District Officer, Ground Water Department, Kannur for an amount of Rs. 9,90,000/- (Rupees Nine lakhs and ninety thousand only) for the implementation of mini water

supply scheme at Nellikutty Town in Eruvessy 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 date of completion of the scheme is to be intimated at an early date.


Superintending Engineer (General) i/c

Encl: Corrected Estimate

To

✓ The District Officer, Ground Water Department, Kannur.

Copy to : T(1) seat/SF

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FIELD ESTIMATE OF PUMP HOUSE WITH WATER TANK PLATFORM SIZE 2.00 X 2.00 X 6.45 M AT NELLIKUNNU TOWN IN ERUVESY 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 inequalities 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 ²	1020
2	Earth work excavation in hard soil for foundation	4	1	1	1	4	219	m ³	876
3	PCC 1:4:8: using 40mm broken stone	4	1	1	0.2	0.8	6729.95	m ³	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 st 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 ³	18141
	Column	4	0.25	0.25	6.3	1.575	10817.5	m ³	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			
						3.6	11349.6	m ³	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 ²	3338
b)	Form work of column	4	6.3	1		25.2	852.88	m ²	21493
	Form work of slab- Pump house	1	3.3	3.3		10.89		m ²	
	Form work of slab- water tank platform	1	3.3	3.3		10.89		m ²	
						21.78	805.61		17546
	Form work of Beam	8	1.5	0.85		10.2	641.72	m ²	
c)	Plinth Beam	4	1.5	0.85		5.1	641.72	m ²	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 ³	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			

	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			
	Total					109.5	406.99	m²	44565
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 ²	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 ²	16370
10	Filling with red earth by contractor, DSR. 2.25, 190.7X1.339	1	2	2	0.3	1.2	255.35	m ³	306
11	PVC door 2x0.7m with Frame and lock. (As per actual measurement or photo (DPR/Draw))						3000	No	3000
12	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.					180	216.19 183.04	Kg	32947 38914
13	Scaffolding for plastering work.	1	6.5	12		78	299		23322
	Total						347.23		353090
14	Unforeseen charges if any						26.77		910
	Grand Total						3,50,000		354000
(RUPEES THREE LAKH AND FIFTY FOUR THOUSAND ONLY)									

3,50,000



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DETAILED ESTIMATE FOR MINI WATER SUPPLY SCHEME AT NELLIKUTTY TOWN IN ERUVESSEY GRAMA PANCHAYATH IN KANNUR DISTRICT.

Sl. No.	Particulars	Rate (Rs.)	Quantity	Unit	Amount (Rs.)
1	Charge Water quality test <i>(As per actual cost)</i>	2790	1	No	2790 ✓
2	Supply of ISI Marked single phase 1.5 HP 24 stage Submersible pumpset suitable for 150 MM Dia Bore Well which delivers 2000 LPH at a Total Head of 125 M -50 M.	21000 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 ² (ISI)	145	80	M	11600 ✓
5	Supply of submersible cable 6 mm ² (ISI)	210	50	M	10500 ✓
6	Supply 40 mm, 20 Kg/Cm ² UPVC (good quality) pipe inclusive of cost, conveyance etc;	295	72	M	21240 ✓
7	Charge for erecting Submersible pump set up to 3 HP	7742	1	No.	7742 ✓
8	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. <i>(As per actual measurement)</i>	4365	1	No.	4365 ✓
9	Supplying of Nilon rope for pump erection 14 mm thick good quality	41	75	M	3075 ✓
10	Supply and fitting of GI Bend, Union, GM NRV, etc.	1279	1	No.	1279 ✓
11	Cost of CI adapter for connecting 40mm UPVC pipe <i>PS</i>	800	2	No.	1600 ✓
12	Electric connection charges including contribution to KSEB, wiring certificate etc complete bill as per actuals (approximately)	5000	1	LS	5000 ✓
13	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>	3,50,000 354000	1	No.	3,50,000 354000 ✓
14	Supplying and placing of PVC Tank ISI marked inclusive of cost, conveyance etc.	10.24	3000	Litre	30720 ✓
15	Supplying and fitting of PVC Tank connector 63 mm.	305.00	1	No.	305 ✓
16	Supplying and providing 50mm wash out. 235+300	535	1	M	535 ✓
17	Supplying, laying and jointing 40 mm ISI marked PVC pipe(10 kg/cm ²) ISI Marked PVC pipe for pumping main and distribution inclusive of all cost of specials, trenching, refilling and conveyance etc.	262	350	M	91700 ✓

18	Supplyin and jointing 80 mm GI pipe for road crossing inclusive of all cost of special and conveyance etc.	695	20	M	13900
19	Supply laying and jointing 75 mm ISI marked PVC pipe (6 kg/cm2) for distribution inclusive of all cost of specials, trenching, refilling and conveyance etc.	322	50	M	16100
20	Supplying, laying and jointing 63 mm ISI marked PVC pipe (6 kg/cm2) for distribution inclusive of all cost of specials, trenching, refilling and conveyance etc.	308	150	No.	46200
21	Supplying and providing 50 mm ISI marked PVC pipe(10 kg/cm2) for distribution inclusive of all cost of specials, trenching, refilling and conveyance etc.	270	200	M	54000
22	Supplying, laying and joining 32mm ISI marked (10kg/cm2) PVC pipe for distribution inclusive of all cost of specials, trenching, refilling and conveyance etc.	236.84 239	300	M	71052 71700
23	Supplying, laying and joining 25mm ISI marked (10kg/cm2) PVC pipe for distribution and cable wire protection inclusive of all cost of specials, trenching, refilling and conveyance etc.	214	300	M	64200
24	Manhole for valve	600	2	M	1200
25	Supply and providing 63 mm PVC Ball valve inclusive of cost and conveyance etc.	340	1	No.	340
26	Supply and providing 50 mm PVC ball valve inclusive of cost and conveyance	300	2	No.	600
27	Supply and providing 40 mm PVC ball valve inclusive of cost and vonveyance.	235	2	No.	470
28	Supplying and providing tap with platform etc (0.60m. x 0.30m.)	1807.00	20	M	36140
29	Writing name board on wall/granite . As LS	2500.00	1	No	2500
Total (As per actual measurement)					882079
30	Add 12% as GST component (except 12), 1)	1,04,914.68			1,05,249.88
31	Expenses for contingencies and unforeseens if any		3006.32		2671.52
GRAND TOTAL					9,90,000
(RUPEES NINE LAKH AND NINETY SEVEN THOUSAND ONLY)					997000

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