

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 Karikottakari Rajeev Gandhi ST Colony, Ayyankunnu Grama Panchayath in Kannur District under Groundwater based drinking water supply scheme – Technical sanction accorded - orders issued.

ORDER NO:- T(1) / 3316/2022/DGW

Dated: 05.07.2022

Read:- 1. Letter No. GW/KNR/973/2022, dated 23-05-2022 from District Officer, Ground Water Department, Kannur.
2. Order No. T(1) 3316/2022/DGW dated:30/06/2022 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. 9,99,000/- for the implementation of mini water supply scheme at Karikottakari Rajeev Gandhi ST Colony, 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. 9,92,000/- (Rupees Nine lakhs and ninety two thousand only).

As per the order read as 2nd paper Administrative Sanction for an amount of Rs. 9,92,000/- (Rupees Nine lakhs and ninety two 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. Rs. 9,92,000/- (Rupees Nine lakhs and ninety two thousand only) for the implementation of mini water supply scheme at Karikottakari Rajeev Gandhi ST Colony, 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 fund available under 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 KARI KOTTAKARI RAJEEV
DESALAKSHAM ST COLONY 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	Construction of pump house 1.5X1.2X2.1m in laterate masonry, RCC slab, plastering and painting complete. <i>(As per actual measurement)</i>	57500 58000	1	No	57500 58000 ✓
3	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.	22100	1	No	22100 ✓
4	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 ✓
5	Supply of submersible cable 4 mm ² (ISI)	145	75	M	10875 ✓
6	Supply 40 mm, 20 Kg/Cm ² UPVC (good quality) pipe inclusive of cost, conveyance etc;	295	66	M	19470 ✓
7	Charge for erecting Submersible pump set of 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 Nylon rope for pump erection 14 mm thick good quality	41	70	M	2870 ✓
10	Supply and fitting of GI Bend, Union, GM NRV etc.	1279	1	No.	1279 ✓
11	Cost of Cl adapter for connecting 40mm UPVC pipe <i>sl</i>	800	2	No.	1600 ✓
12	Electric connection charges including contribution to KSEB, wiring certificate, post shifting etc complete bill as per actuals (approximately)	10000	1	LS	10000 ✓
13	Construction of water tank platform with pump house 2 x 2 x 2.75 m, RCC Columns, Beams, laterate masonry, plastering, painting etc Complete. <i>(As per actual measurement)</i>	168000 171000	1	No.	168000 171000 ✓
14	Supplying and placing of PVC Tank ISI marked inclusive of cost, conveyance etc.	1024	5000	Litre	51200 ✓
15	Supplying and fitting of PVC Tank connector 63 mm.	305.00	1	No.	305 ✓
16	Supplying and providing 50mm wash out <i>210</i>	235 300	1	M	235 300 ✓ <i>510</i>
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 and conveyance etc. including trenching and refilling.	262	400	M	104800 ✓
18	Supplyin and jointing 65 mm GI pipe for road crossing inclusive of all cost of special and conveyance etc. Including trenching and refilling.	832	12	M	9984 ✓

19	Supply laying and jointing 63 mm ISI marked PVC pipe (6 kg/cm ²) for distribution inclusive of all cost of specials and conveyance etc. Including trenching and refilling.	308 /	250	No	77000
20	Supplying and providing 50 mm ISI marked PVC pipe (10 kg/cm ²) for distribution inclusive of all cost of specials and conveyance etc. Including trenching and refilling.	270 /	200	M	54000
21	Supplying, laying and joining 32mm ISI marked (10kg/cm ²) PVC pipe for distribution and cable wire protection. Including trenching and refilling.	236.81 239	400	M	95600 94736
22	Supplying, laying and joining 25mm ISI marked (10kg/cm ²) PVC pipe for distribution and cable wire protection. Including trenching and refilling.	214 /	425	M	90950
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	43	M	77701
28	Lettering with black Japan paint of approved brand and manufacture per letter per 5 cm height	27.45	100	No	2745
Total					
29	Add 12% as GST component (except 1, 12)			8,85,958	890347
30	Expenses for contingencies and unforeseens if any			1,04,780.16	106842
GRAND TOTAL					1261.84 1811
(RUPEES NINE LAKH AND NINETY NINE THOUSAND ONLY)					9,92,000/-

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TAILED ESTIMATE OF WATER TANK PLATFORM SIZE 2.00 X 2.00 X 2.75 M AT KARIKOTTAKARI RAJEEV
DESALAKSHAM ST COLONY IN AYYANKUNNU GRAMA PANCHAYATH

Description pump house	No	L	B	H	Qty	Rate	Unit	Amount
Demolishing cement concrete old water tank manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in-Charge. Nominal concrete 1:4:8 leaner mix (including equivalent design mix)	1	20	2.5	0.1	5	1247.08	M ²	6235
Earth work excavation in hard soil for foundation	4	1	1	1	4	293.24	1m3	1173
PCC 1:4:8: using 40mm broken stone	4	1	1	0.2	0.8	6729.95	M3	5384
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	m3	18141
Column	4	0.25	0.25	2.6	0.65	10817.5	m3	7031
Beams	4	1.5	0.25	0.3	0.45	11349.6	m3	5107
Slab- water tank platform	1	3	3	0.15	1.35	11349.6	m3	15322
a) Form work of footing	4	3.6	0.5	1	7.2			
	4	2.4	0.3	1	2.88			
					10.08	331.13	m3	3338
b) Form work of column	4	2.6	1	1	10.4	852.88	m3	8870
Form work of slab- water tank platform	1	3.3	3.3	1	10.89		m2	
Form work of Beam	4	1.5	1	0.85	5.1		m2	
					26.39	641.72	m2	16935
c) Plinth Beam	4	1.5		0.85	5.1	641.72	m2	3273
5 Reinforcement for RCC work bent tied and placed with TMT steel of Fe-500D or above. 4.472x80=357.76 kg)					358	97.08	KG	34755
7 Plastering 1:3,12mm thick								
Column	4	1	1	2.75	11			
Slab- water tank platform.	1	3.3	3.3	1	10.89			
slab bottom side	1	3	3		9			
Beam- Top	4	1.5	0.85	1	5.1			
Beams- Plinth	4	1.5	0.3	1.1	1.98			
Total					37.97	406.99	1m2	15453
8 Cement washing DSR 13-43-1, 36.95x1.3204					37.97	69.76	m2	2649
9 Wall painting with acrylic emulsion paint of approved brand and manufacture to givean even shade. Two or more coats on new work.					37.97	149.5	m2	5677
10 Filling with red earth by contractor, DSR.2.25, 190.7X1.339	1	1.5	1.5	0.3	0.675	255.35	m3	172
11 PVC door 2x0.7m with Frame and lock.	1					3000	No	3000

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12	Make and Supplying ladder with 50X25mm, 16 gauge rectangular tube to a length of 5 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.					100	183.4 Kg	18340
	Total						167855	170855
13	Unforeseen charges if any							145
	Grand Total						1,68,000	171000
(RUPEES ONE LAKH AND SEVENTY ONE THOUSAND ONLY)								



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**DETAILED ESTIMATE OF PUMP HOUSE (1.5X1.2X2.1M) AT KARIKOTTAKARI RAJEEV DESALAKSHAM ST COLONY 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	2	2		4	28.32	M ²	113
2	Earth work excavation in all classess of soil for foundation.	1	5.2	0.5	0.4	1.04	293.24	M ³	305
3	Laterite masonry in cement mortar 1:6 for foundation	1	5.2	0.5	0.4	1.04			
4	Laterite masonry in cement mortar 1:6 for basement	1	5.6	0.3	0.2	0.336			
	Total					1.376	6288.06	M ³	8652
5	Laterite masonry in cement mortar 1:5 for wall as super structure	1	4.79	0.2	2.1	2.0118	7025.96	M ³	14135
6	RCC 1:1.5:3 for roof slab including cost and conveyance of materials, labour charges etc but excluding reinforcement	1	2.2	1.8	0.1	0.396	11349.6	M ³	4494
7	Tore steel reinforcement for RCC works @ 80kg/m ³					30	97.08	Kg	2912
8	Form work for RCC in slabs.	2	2.2	1.8	0	7.92	641.72	M ²	5082
9	Flooring PCC 1:4:8, 75mm thick	1	1.3	1.1	1	1.43	993.07	M ²	1420
10	Plastering 1:3, 12mm thick inside and out side of the pump house						579.32		
	Roof	2	2.2	1.8	1	7.92			
	Basement	1	6.8	0.2	1	1.36			
	Outer wall	1	5.6	1	2.1	11.76			
	Inner wall	1	4.4	1	2.1	9.24			
	Total					30.28	406.99	M ²	12324
11	Supplying and providing PVC door 0.8x1.8cm with frame and proper locking etc. (Car presentials)	1				1	3000		3000
12	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface. Water thinnable cement primer.					30.28	69.76	M ²	2112
13	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade. Two or more coats on new work.					30.28	111.65	M ²	3381
	Total								57930
14	Unforseen items if any								70
	Grant Total-Rs								58000
	(Rupees Fifty Eight Thousand only)								
									57,500



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