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

Ground Water Department- District Office Thiruvananthapuram, Implementation of Mini Water Supply Scheme at SN Training college Nedungada, Anchuthengu Grama Panchayath in Thiruvananthapuram District under Ground Water Based Drinking Water supply Scheme- Technical sanction accoreded- orders issued.

ORDER NO:T(1) 2405/2022/DGW **DATED: 4 -06-2022**

Read :- 1)Letter No GW/DOT/1782/21/DGW dated: 12/04/2022 from the District Officer Groundwater Department, Thiruvananthapuram
2) Order No:T(1)/2407/2022/DGW dated 27/05/2022 of the Director, Groundwater Department Thiruvananthapuram

ORDER

As per the letter read 1st District Officer, Groundwater Department, Thiruvananthapuram has forwarded a proposal with detailed estimate for an amount of Rs. 4,27,000/- for the implementation of mini water supply scheme at SN Training College Nedungada, Anchuthengu Grama Panchayath in Thiruvananthapuram District under Ground Water Based Drinking Water Supply Scheme for the year 2022-2023.

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. 3,60,000 (Rupees Three lakhs and sixty thousand only). As per the order read 2nd above administrative sanction was accorded for the scheme

After examining the matter in detail Technical sanction is hereby accorded to District Officer, Ground Water Department, Thiruvananthapuram for an amount Rs 3,60,000(Rupees Three lakhs and sixty thousand only) for the implementation of mini water supply scheme at SN Training College Nedungada, Anchuthengu Grama Panchayath in Thiruvananthapuram District under Ground Water Based Drinking Water Supply Scheme.

The District Officer 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

1. The District Officer, Groundwater Department, Thiruvananthapuram

Copy to T1 seat/SF

Su- 31/05/2022

/ 1762/2021

ESTIMATE FOR THE IMPLEMENTATION OF PUMPING SCHEME

Name of site : **SN Traing College Nedumganda**

Name of Panchayat : **Anchuthengu**

Name of Constituency : **Chirayinkeezhu**

Name of benificiaries : **520 Pupils**

I DETAILS OF TUBE WELL CONSTRUCTION

Total depth drilled	-	102 m
Diameter of tube	-	6"
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	107	15515.00
3	40 mm "U" PVC pipe	295	m	92	27140.00
4	14 mm nylone rope	41	m	97	3977.00
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
9	Fixing fully wired single phase panel board including all materials,labour,earthing charge etc complete.	10851.63	No	1	10851.63
10	2 H.P submersible pump errection and fixing,cable jointing etc complete 1set including cost of GI fittings, resting clamp etc.	7826.18	No	1	7826.18
	Total				**93,198.42**
III	**Pumping and Distribution System**				
1	Supply and fixing of PVC Water tank (2000 L x 2 Nos)	10.37	L	4000	41,480.00
2	40 mm Tank Connector	160	No	1	160.00
3	40 mm PVC Pipe 10 Kg/cm^2 for pumping line including 5% specials. with trenching	264.12 228.2	m	290	76594.8 66,178.00
4	40 mm PVC Pipe 6 Kg/cm^2 for distribution line including 5% specials. with trenching	222.71 186.79	m	85	18930.35 15,877.15
5	32 mm PVC pipe 10 kg/cm^2 for distribution including 5% specials with trenching	238.74 202.82	m	60	12324.4 12,169.20
6	25 mm PVC pipe 10 kg/cm^2 including 5% specials. with trenching	216.02 180.11	m	75	16202.25 13,508.25
7	Trenching, laying,refilling the entire distribution system and pumping main	153.58	m	510	78,325.80
8	40 mm GM full way valve (GM)	798.53	No	2	1,597.06
9	32 mm GM full way valve (GM)	684.19	No	1	684.19
10					

	l protection cover using brick isonry and R.C.C slab 1No uding all materials,labour and conveyance etc. (as per actual measurement)	4420.23	No	1	4,420.23
12	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	7	18,331.46
13	Supply and fixing of granite stone with letter incarvations for inaguration stone (as per actual measurement)	5000	No	1	5,000.00
	Total				**2,58,316.23**
IV	**Pump house**				
	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	27118	No	1	27118
	Total				**27118**
	II + III + IV	3,18,626.1			**3,78,632.65**
	12 % GST	38235.12			**45435.92**
	Unforeseen Expenditure	3138.82			**2,931.43**
	Grand Total	3,60,000.			**4,27,000.00**

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. .

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DISTRICT OFFICER