

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

Sub: Ground Water Department – Kozhikode - Implementation of Mini Water Supply Scheme at Govt. LPS, Vakayad in Kottoor Grama Panchayath and Thazhvaram Anganwadi in Kattippara Grama Panchayath in Kozhikode District under Groundwater based drinking water supply scheme – Technical sanction accorded - orders issued.

ORDER NO:- T(1) / 2774/2022/DGW

Dated: 15 .07.2022

Read:- 1.Letter No.GW/KKD /T-1060/2022, dated 23-04-2022 from District Officer, Ground Water Department, Kozhikode.
2. Order No. T(1) 2774/2022/DGW dated: 06/07/2022 of Director, Ground Water Department, Thiruvananthapuram.

ORDER

As per the letter read 1st, District Officer, Ground Water Department, Kozhikode has forwarded a proposal with detailed estimate for an amount of Rs. 7,30,000/- for the implementation of mini water supply scheme at Govt. LPS, Vakayad in Kottoor Grama Panchayath and Thazhvaram Anganwadi in Kattippara Grama Panchayath in Kozhikode 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. 5,44,000/- (Rupees Five lakhs and forty four thousand only) as detailed below:-


1.	Govt. LPS, Vakayad, Kottoor Grama Panchayath	: Rs. 1,74,000/-
2.	Thazhvaram Anganwadi, Kattippara Grama Panchayath	: <u>Rs. 3,70,000/-</u>
	Total	: <u>Rs. 5,44,000/-</u>

As per the order read as 2nd paper Administrative Sanction for an amount of Rs. 5,44,000/- (Rupees Five lakhs and forty four thousand only) has been accorded by the Director of Ground Water Department for implementation of the above schemes.

After examining the matter in detail, technical sanction is hereby accorded to the District Officer, Ground Water Department, Kozhikode. for an amount of Rs. 5,44,000/- (Rupees Five lakhs and forty four thousand only) for the implementation of mini water supply scheme at Govt. LPS, Vakayad in Kottoor Grama Panchayath and Thazhvaram Anganwadi in Kattippara Grama Panchayath in Kozhikode District under Groundwater based drinking water supply scheme.

The District Officer, Ground Water Department, Kozhikode. 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 scheme for Ground Water Based Drinking Water Scheme" for the financial year 2022-2023. The date of completion of the scheme is to be intimated before the end of the financial year 2022-23.


Superintending Engineer (General) i/c

Encl: Verified Estimate

To

The District Officer, Ground Water Department, Kozhikode.

Copy to : T(1) seat/SF

v-18-07

DISTRICT OFFICE, GROUND WATER DEPARTMENT, KOZHIKODE

**ESTIMATE OF MINI WATER SUPPLY SCHEME AT GOVT LP SCHOOL, VAKAYAD, WARD No.11 IN KOTTUR
GRAMA PANCHAYATH UNDER GWBDWSS 2022-23**

Data as per DSR 2018 Cost Index for *April 2000* Kozhikode 1.3644

Sl. No.	Particulars	Rate (Rs.)	Quantity	Unit	Amount (Rs.)
1	Supply of ISI Marked single phase 1.5 HP, 18 stage (Head range: 107 - 30 m) water cooled type Submersible pump set suitable for 110 mm Dia Bore Well which delivers 3600 LPH at a Total Head of 85 m including the cost of panel board. (As per dept. rate)	21930.00	1	No	21930.00
2	Electrification charge for single phase panel board including 75x75 cm size metal box, 32A ICDP, ELCB, FUSE, 5A switch etc. and also including wiring charge, etc. Complete. (As per department rate , Item Code: 50.18.9.3.2)	10864.42	1	Set	10864.42
3	Supply of submersible cable 2.5 mm ² , ISI marked. (As per department rate)	96.00	80	m	7680.00
4	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 25 mm dia 10Kgf/cm ² - Internal work- Exposed on wall for using as cable conduit. (As per Dept. rate, Item Code: 50.18.7.3.2)	267.39	70	m	18717.3
5	Providing and fixing PVC pipes includes jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 25 mm dia 10KGF/cm ² for using as cable conduit. (As per Observed Data item code- 50.18.9.3.2)	<i>216.98</i> 240.34	10	m	<i>2169.8</i> 2403.39
6	Supply 40 mm UPVC pipe (good quality) inclusive of cost, conveyance etc. (As per department rate)	295.00	57	m	16815.00
7	Cost of S.S adapter 32 mm for connecting UPVC pipes (As per Department Rate)	670.00	2	No	1340.00
8	Charge for erecting Submersible pump set of above capacity (3 HP). (As per department rate)	7868.43	1	No.	7868.43
9	Supplying of Nylon rope for pump erection 14 mm thick good quality.(As per department rate)	41.00	62	m	2542.00
10	Supplying and providing 50 mm tank connector. (As per department rate)	190.00	1	No	190.00
11	Supply and fitting of 32 mm GI Bend for pumping line. (As per department rate)	110.00	3	No.	330.00
12	Supply and fitting of 32 mm GI Union for pumping line. (As per department rate)	223.45	1	No.	223.45
13	Supply and fitting of 32 mm NRV for pumping line (As per DSR item 18.19)	760.12	2	No.	1520.24
14	Supply and fitting of 32 mm G.M. Wheel valve for pumping line. (As per DSR item 18.17)	688.48	1	No.	688.48

DISTRICT OFFICE, GROUND WATER DEPARTMENT, KOZHIKODE

**ESTIMATE OF MINI WATER SUPPLY SCHEME AT THAZHVARAM ANGANVADI, WARD No.03 IN
KATTIPPARA GRAMA PANCHAYATH UNDER GWBDWSS 2022-23**

Data as per DSR 2018		Cost Index for <i>2500 LPH</i> Kozhikode			1.3644
Sl. No.	Particulars	Rate (Rs.)	Quantity	Unit	Amount (Rs.)
1	Supply of ISI Marked single phase 1 HP, 16 stage (Head range: 110 - 50 m) water cooled type Submersible pump set suitable for 110 mm Dia Bore Well which delivers 2500 LPH at a Total Head of 50 m including the cost of panel board. (As per dept. rate)	20995.00	1	No	20995.00
2	Electrification charge for single phase panel board including 75x75 cm size metal box, 32A ICDP, ELCB, FUSE, 5A switch etc. and also including wiring charge, etc. Complete. (As per department rate , Item Code: 50.18.9.3.2)	10864.42	1	Set	10864.42
3	Supply of submersible cable 2.5 mm ² , ISI marked. (As per department rate)	96.00	50	m	4800.00
4	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 25 mm dia 10Kgf/cm ² . Internal work- Exposed on wall for using as cable conduit. (As per Dept. rate, Item Code: 50.18.7.3.2)	267.39	40	m	10695.68
5	Providing and fixing PVC pipes includes jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 25 mm dia 10KGF/cm ² for using as cable conduit. (As per Observed Data item code- 50.18.9.3.2)	<i>216.98</i> 240.34	10	m	<i>2169.8</i> 2403.39
6	Supply & providing inner casing for the bore well. (Supplying, assembling, lowering and fixing in vertical position in bore well, PVC 110 mm 6 Kg/cm ² well casing pipe of required dia, conforming to IS : 4985:2000, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer- in- Charge.) As per Dept Rate.	300.00	32	m	9600.00
7	Slotting Charge for PVC 110 mm 6 Kg/cm ² well inner casing pipe (for the rock portion only)	100.00	12.5	m	1250.00
8	Supply 40 mm UPVC pipe (good quality) inclusive of cost, conveyance etc. (As per department rate)	295.00	27	m	7965.00
9	Cost of S.S adapter 32 mm for connecting UPVC pipes (As per Department Rate)	670.00	2	No	1340.00
10	Charge for erecting Submersible pump set of above capacity (3 HP). (As per department rate)	7868.43	1	No.	7868.43
11	Supplying of Nylon rope for pump erection 14 mm thick good quality.(As per department rate)	41.00	32	m	1312.00
12	Supplying and providing 50 mm tank connector. (As per department rate)	190.00	1	No	190.00

Sl. No.	Particulars	Rate (Rs.)	Quantity	Unit	Amount (Rs.)
13	Supply and fitting of 32 mm GI Bend for pumping line. (As per department rate)	110.00	3	No.	330.00
14	Supply and fitting of 32 mm GI Union for pumping line. (As per department rate)	223.45	1	No.	223.45
15	Supply and fitting of 32 mm NRV for pumping line (As per DSR item 18.19)	760.12	2	No.	1520.24
16	Supply and fitting of 32 mm G.M. Wheel valve for pumping line. (As per DSR item 18.17)	688.48	1	No.	688.48
17	Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement, trenching refilling & testing of joints complete as per direction of Engineer in Charge 40 mm dia 10Kgf/cm ² (As per Observed Data item code- 50.18.9.5.1) - Pumping Line	265.07 317.70	30	m	7952.1 9531.02
18	Providing and fixing G.I. pipes complete with G.I fittings including trenching and refilling etc. External work - 32 mm dia nominal bore (As per DSR Item 18.12.4) - Pumping Line	502.99	6	m	3017.92
19	Supplying and providing suitable water filter for improving drinking water quality (Final specification of the filter system will be determined after the testing of water quality from department regional analytical lab). (Purchase of the water filter will be done by the contractor from department selected firm through quotation. Payment will be done to the contractor only for actual bill amount of water filter.) <i>(Deleted as no test report is attached)</i>	75000.00	1	Ls	75000.00
20	Construction of well protection outer cover size 65 x65 x 60cm using RCC and brick work including tiring etc. complete as per (size:65x65x60cm) DSR 2018 <i>As per electrical wiring</i> <i>(Deleted as per to be deleted)</i>	4447.94	1	No	4447.94
21	Construction of water tank platform for carrying P.V.C Water tank (3000 Litres) of size 2.3X 2.3X 3.0m standered size using RCC columns and beams including plastering, whitewashing etc complete (Detailed estimate attached). <i>As per electrical wiring</i>	150000.00	1	No	150000.00
22	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank as per DSR item 18.48	10.44	3000	Ltr.	31320 31312.98
23	Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement, trenching refilling & testing of joints complete as per direction of Engineer in Charge 50 mm dia 6 Kgf/cm ² (As per Observed Data item code- 50.18.9.6.2) - Distribution Line	233.07 273.97	10	m	2330.7 2739.72
24	Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement, trenching refilling & testing of joints complete as per direction of Engineer in Charge 40 mm dia 6 Kgf/cm ² (As per Observed Data item code- 50.18.9.5.2) - Distribution Line	223.66 261.21	70	m	15656.2 18285.01

No.	Particulars	Rate (Rs.)	Quantity	Unit	Amount (Rs.)
25	Providing and fixing PVC pipes including jointing of pipes with one step PVC solvent cement, trenching refilling & testing of joints complete as per direction of Engineer in Charge 32 mm dia 6 Kgf/cm ² (As per Observed Data item code- 50.18.9.4.2) - Distribution Line	222.33 247.64	35	m	7781.55 8667.35
26	Providing and fixing PVC pipes includes jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 25 mm dia 10KGF/cm ² (As per Observed Data item code- 50.18.9.3.2) - Distribution Line	216.98 240.34	20	m	4339.6 4806.78
27	Providing and fixing G.I. pipes complete with G.I fittings including trenching and refilling etc. External work - 32 mm dia nominal bore (As per DSR Item 18.12.4) - Distribution Line	502.99	6	m	3017.94
28	Supplying and providing 50 mm PVC ball wheel valve to the distribution line for diverting the flow. (As per DSR Item 18.17.4).	300.00	1	No	300.00
29	Supplying and providing wash out including ball valve and 0.5m PVC pipe 50mm dia inclusive of cost, conveyance etc. (L.S)	600.00	1	No.	400 600.00
30	Supplying and providing hydrant with tap (0.8m x 0.5m platform size) (As per department rate)	2630.95	3	No	7892.84
31	Cement concrete 1:2:4 with 20 mm nominal size graded stone as per DSR item 4.1.3. (For using as cement concrete blocks for firmly fixing pipe line and also for other packing works.)	8040.95	0.5	m ³	4020.48
32	Roof Truss cutting, welding including labour and material for clearing space for Water Tank structure. (As per actual measurement of DSR Rate)	4000.00	1	Ls	4000.00
33	Expenses for contingencies and unforeseens if any				5313.96
	Total Amount		3,28,289.12		4,15,000.00
	GST@12%		39,394.69		49,800.00
	Total with GST Amount		3,67,683.81		4,64,799.99
	Contingencies Lumpsum for Round off		23 16.19		200.01
	GRAND TOTAL		3,70,000/-		4,65,000.00

(Rupees Four Lakh Sixty Five Thousand Only)



D.Man/Tracer



Asst.Engineer



Asst.Exe.Engineer



District Officer (i/c)

NABEEM. V.M.(M.Tech)
ASSISTANT ENGINEER
DISTRICT OFFICE
GROUND WATER DEPARTMENT
CIVIL STATION NO. KOZHIKODD-673020



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