

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

Sub: Ground Water Department – Kasaragod - Implementation of Mini Water Supply Scheme at Kothatupara in Madikai Grama Panchayath in Kasaragod District under Groundwater based drinking water supply scheme – Technical sanction accorded - orders issued.

**ORDER NO:- T(1) / 3078/2022/DGW**

**Dated: 05.07.2022**

Read:- 1. Letter No. GWK/1422/A/2021, dated 05-04-2022 from District Officer, Ground Water Department, Kasaragod.  
2. Order No. T(1) 3078/2022 dated:28/06/2022 of Director, Groundwater Department, Thiruvananthapuram.

**ORDER**

As per the letter read 1<sup>st</sup>, District Officer, Ground Water Department, Kasaragod has forwarded a proposal with detailed estimate for an amount of Rs. 5,26,400/- for the implementation of mini water supply scheme at Kothatupara in Madikai Grama Panchayath in Kasaragod 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. 5,19,000/- (Rupees Five lakhs and nineteen thousand only).

As per the order read as 2<sup>nd</sup> paper Administrative Sanction for an amount of Rs. 5,19,000/- (Rupees Five lakhs and nineteen thousand only) has been accorded by the Director of Ground Water Department.

After the examining the matter in detail, technical sanction is hereby accorded to the District Officer, Ground Water Department, Kasaragod for an amount of Rs. 5,19,000/- (Rupees Five lakhs and nineteen thousand only) for the implementation of

mini water supply scheme at Kothatupara in Madikai Grama Panchayath in Kasaragod District under Groundwater based drinking water supply scheme

The District Officer, Ground Water Department, Kasaragod 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 - Ground Water Based Drinking Water Scheme" for the financial year 2022-2023. The District Officer should intimate the date of completion of the scheme.

  
Superintending Engineer (General) i/c

Encl: Verified Estimate

To  
The District Officer, Ground Water Department, Kasaragod.

Copy to : T(1) seat/SF

**DETAILED REVISED ESTIMATE FOR IMPLEMENTING BORE WELL BASED DRINKING WATER SUPPLY SCHEME AT KOTHOTUPARA IN MADIKKAI GRAMA PANCHAYATH**

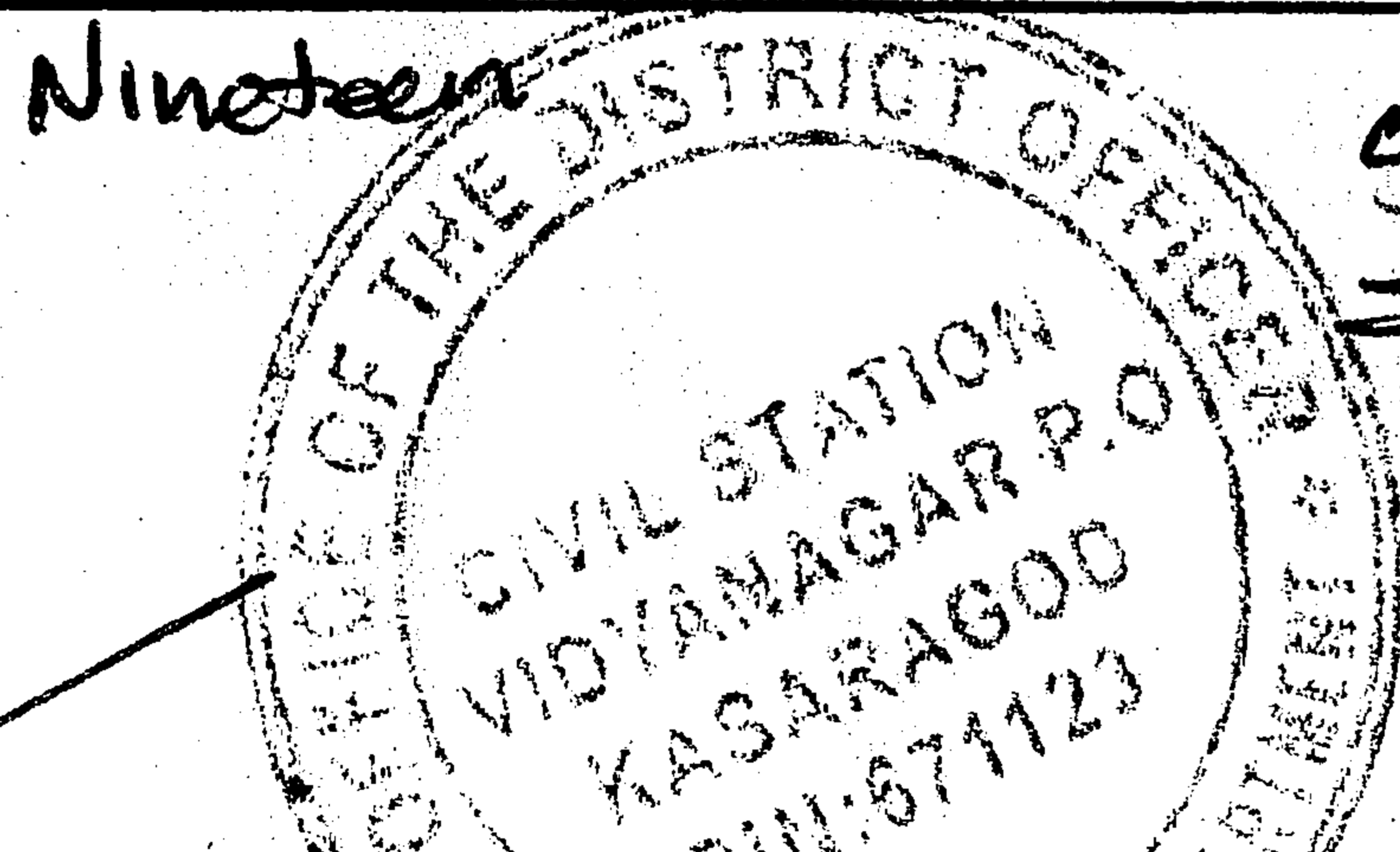
**GWBDWSS-2022-23**

Sl. No	Particulars	PRICE Item No.	Rate (Rs)	Quantity	Unit	Amount
1	Development or flushing of existing borewell having dia 110mm or 150 mm using the DTH rig. The work including flushing with compressed air by using the rig. The charge is for minimum 3 hrs and 1935/- for additional each hour. Flushing /developing of existing bore well		5790	1	No.	5790
2	Supply of 1 HP, 28 stage submersible pump set (ISI marked) including starter, capacitor, ELCB, dry run preventer etc complete required for erection except delivery pipe and cable including pannel board		22,525.00	1	No	22,525.00
3	Supply and erection of 40 mm UPVC pipe (ISI marked) in to the bore well		295.00	85 84	m	24780 25,075.00
4	Supply and laying of submersible cable (ISI marked) 2.5sq.mm gauge		96.00	110	m	10,560.00
5	Charges for submersible pump erection and providing GI cover and GI clamps for fixing pump etc		7699.92	1	No	7,699.92
6	Charges for Nylone rope, 14 mm thick		41.00	88	m	3,608.00
7	Electrification charge for Single phase pannel board		10813.40	1	No	10,813.40
8	Supply and jointing of 40mm non return valve for pumping main	18.19.3.1	915.22	1	No	915.22
9	Supply and jointing of 40mm G.I Union for pumping main		296.71	1	No	296.71

Sl. No	Particulars	PRICE Item No.	Rate (Rs)	Quantity	Unit	
10	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. 40 mm dia 6KGF/cm2 <b>For Pumping Main</b>	50.18.9.5.2	219.86	10	m	2,198.60
11	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. 50 mm dia 6KGF/cm2 <b>For Distribution Line</b>	50.18.9.6.2	229.21	290	m	66,470.90
12	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. 40 mm dia 6KGF/cm2 <b>For Distribution Line</b>	50.18.9.5.2	219.86	330	m	72,553.80
13	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. 32 mm dia 10 KGF/cm2 <b>For Distribution Line</b>	50.18.9.4.1	237.89	140	m	33,304.60
14	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 40 mm dia 6Kgf/cm2 - Internal work - <b>Exposed on wall, For Pumping Main</b>	50.18.7.5.2	360.49	5	m	1,802.45

Sl. No	Particulars	PRICE Item No.	Rate (Rs)	Quantity	Unit	Amount
15	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 50 mm dia 6 Kgf/cm <sup>2</sup> - Internal work- <b>Exposed on wall, For Distribution Line</b>	50.18.7.6.2	369.84	5	m	1,849.20
16	Construction of basement and hydrant tap as per approved specification of size 0.6mx0.3m <i>(as per actual)</i>		1932.74	22	No	42,520.28
17	Construction of Platform for erecting PVC Water tank <i>(as per actual measurement)</i>		<del>1,11,000</del> 1,15,000.00	1	No	<del>1,11,000</del> 1,15,000.00
18	Supply and fixing of 40 mm PVC valve		235.00	4	No	940.00
19	Supply and fixing of 50 mm PVC valve		300.00	3	No	900.00
20	Construction of inspection chamber for PVC valve <i>(as per actual measurement)</i>		965.00	3	No	2,895.00
21	Providing and fixing 65 mm G.I. pipes complete with G.I fittings including trenching and refilling etc. External work, <b>For PVC Pipe covering</b> 18.12.6	18.12.7	827.04	6	m	4,962.24
22	Supply and erection of 1 No. of PVC water tank of 3000 Ltr capacity (ISI marked)	18.48	10.17	3000	Ltr	30,510.00
23	Supply and fixing of 50 mm dia PVC water tank connector		190.00	1	No	190.00
24	current connection charge as per <u>KSEB actuals</u>		2,500.00	1	No	2,500.00
25	Unforeseen items if any					4,119.68
	<b>TOTAL</b>			4,61,585.32		4,70,000.00
	<b>ADD 12 % GST (except 24)</b>			55,090.24		56,400.00
	<b>GRAND TOTAL</b> → <i>Contingencies - 2324.44</i>					5,26,400.00
<b>Rupees Five Lakh Twenty Six Thousand and Four Hundred Only</b>						5,19,000

Kasaragod  
04-05-2022



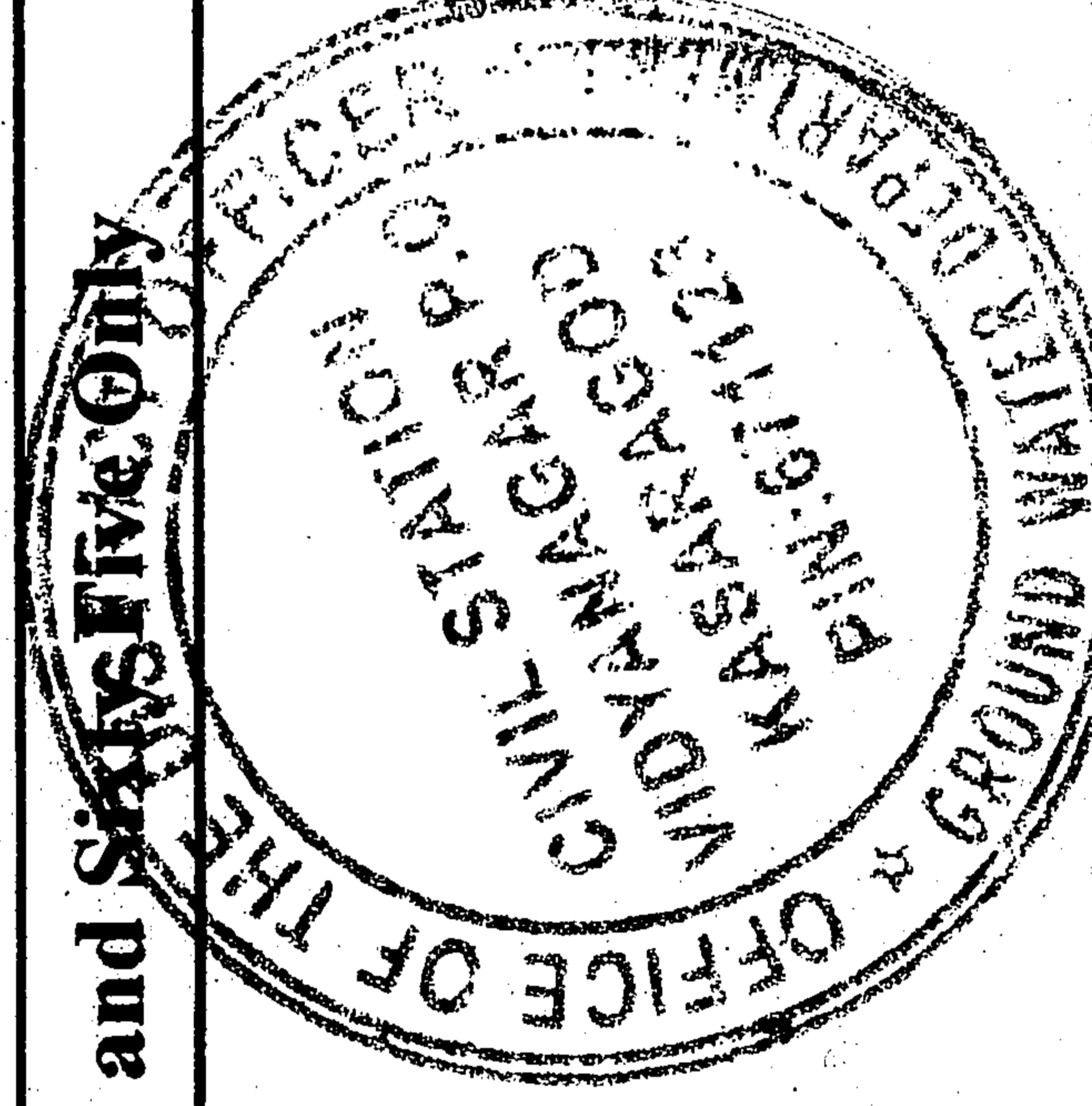
*[Signature]*  
District Officer

DISTRICT OFFICER  
WATER DEPARTMENT

**INSPECTION CHAMBER ESTIMATE**

No.	Particulars	PRICE Item No	Length	Breadth	Depth	Quantity	Rate	Unit	Amount
1	Earth work excavation in foundation trenches or drains by mechanical means hydraulic excavator and depositing on bank with initial lead upto 50m and lift upto 1.50m including breaking clods, watering, ramming and sectioning of spoil bank etc. for Ordinary rock	2.9.1	0.35	0.35	0.60	0.07	517.63	m3	36.23 ✓
2	Centering and shuttering including strutting, propping etc. and removal of form for all heights,	5.9.1	1		0.60	0.6	329.03	m2	197.42 ✓
5	Reinforced cement concrete work in well-steining, excluding the cost of centering, shuttering finishing and reinforcement with 1:2:4 (1 cement : 1.5 coarse sand(zone-III). 3 graded stone aggregate 20 mm nominal size for Side wall of inspection chamber	4.1.2.	1.2	0.05	0.60	0.036	10748.84	m2	386.96 ✓
5	Reinforced cement concrete work in well-steining, excluding the cost of centering, shuttering finishing and reinforcement with 1:2:4 (1 cement : 1.5 coarse sand(zone-III). 3 graded stone aggregate 20 mm nominal size for Covering Slab	5.2.2	0.35	0.35	0.05	0.0061	10748.84	m3	65.57 ✓
6	Steel reinforcement for R.C.C. work including straightening, cutting, bnding and placing in position and binding all complete upto plinth level. @ 70 kg/m3 for Covering slab and side wall	5.22.1			.042x70=2.94		94.86	Kg	278.88 ✓
	TOTAL								965.06
	ROUNDED TO								965.00
	Rupees Nine Hundred and Sixty Five Only								

**COST INDEX = 1.3305**



*Manoj*  
DISTRICT OFFICER

DISTRICT OFFICER  
GROUND WATER DEPARTMENT  
CIVIL STATION KASARAGOD

**ESTIMATE FOR PUMP HOUSE**

Sl.N	Particulars	PRICE Item No	Length	Breadth	Depth	Quantity	Rate	Unit	Amount
0.									
1	Site clearing as per DSR item no. 2.28.1		4	4		16	28.14	m <sup>2</sup>	450.24 ✓
2	Earth work excavation in foundation trenches or drains by mechanical means hydraulic excavator and depositing on bank with initial lead upto 50m and lift upto 1.50m including breaking clods, watering, ramming and sectioning of spoil bank etc. for Ordinary rock	2.9.1	8.8	0.3	1.00	2.64	517.63	m <sup>3</sup>	1366.54 ✓
3	Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x20cm or nearest available size confirming to IS 2185 part I of 1979 for foundation and plinth with thickness 20cm and above in: CM 1:6 ( 1 cement : 6 coarse sand ) etc complete for foundation	50.6.1.4	8.8	0.3	1.00	2.64	6978.87	m <sup>3</sup>	18424.22 ✓
4	Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x20cm or nearest available size confirming to IS 2185 part I of 1979 for foundation and plinth with thickness 20cm and above in: CM 1:6 ( 1 cement : 6 coarse sand ) etc complete for Plinth	50.6.1.4	8.8	0.2	0.40	0.7	6978.87	m <sup>3</sup>	4885.21 ✓





SL.N 0.	Particulars	PRICE Item No	Length	Breadth	Depth	Quantity	Rate	Unit	Amount	
8.3	Reinforced cement concrete work in well-steining, excluding the cost of centering, shuttering finishing and reinforcement with 1:2:4 (1 cement : 1.5 coarse sand(zone-III). 3 graded stone aggregate 20 mm nominal size for top slab for pump house	5.2.2	2.6	2.6	0.15	1.01	10748.84	m3	10856.33	
8.4	Plastering 1:3, 12mm thick one coat	13.7.1	9.6	0.4		3.84				
			2.6	2.6		6.76				
			10.4	0.15		1.56				
			(2.6x2.6)-(8.8x0.2)		5					
			(8x2.6)-(0.75x2.1)		19.22					
			(9.6x2.6)-(0.75x2.1)		23.38					
			4.95	0.2		0.99				
			TOTAL			60.75				
8.5	White washing	13.37.1				60.75	32.99		2004.14	
9	Unforeseen Items								4620.43	
	<b>Grant total</b>								<b>1,15,000.00</b>	
<b>Rupees One Lakh Fifteen Thousand Only</b>									1,11,000	

Eleven

COST INDEX = 1.3305

04-05-2022



*[Signature]*  
DISTRICT OFFICER

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GROUND WATER DEPARTMENT  
CIVIL STATION KASARAGOD

ALL DIMENSIONS ARE IN METER