

GOVERNMENT OF TRIPURA
DEPARTMENT OF AGRICULTURE
(ENGINEERING WING)

HISTORY SHEET

Estimate No:- T.S No:-11...../CE /Agri/DA/MGNREGA/TS/2015-16/Dated :-04/12/2015.

NAME OF THE WORK:- Model Estimate for installation of shallow Tube well with 1.5 HP pump including sprinkler irrigation system under MGNREGA during 2015-16.

Department :- Department of Agriculture.

Scheme:- MGNREGA

Administrative Approval & Expenditure sanction :- As per communication of concerned DM & Collector.

Fund Available / Not Available:- Available under MGNREGA Scheme during 2015-16.

Mention reference on which estimate is prepared:- As per instruction by the Director of Agriculture, Govt. of Tripura (vide memo no.F.21(12)-Agri/SS/2015-16/2112 Dated, 18/11/2015 and meeting held on 01/12/2015 in the office chamber of CE (Agri) in this regard.

Estimate is revised :- No.

If yes , mention the earlier T.S. No.:-Nil

REPORT:-

The estimate has been framed as per decision of the Director, Department of Agriculture, Agartala and subsequently discussion held in the meeting conducted by the Chief Engineer (Agri) in his office chamber held on 01/12/2015 vide notice no. F.1(65)-CE/AGRI/2014-15/950-55 Dated, 28/11/2015 for finalization of specification of this work. All necessary items have been included in the estimate based on current RD approved rate (HPC approved rate). Beside this 3% for contingency & 1% labour CESS are considered in the estimate.

Estimate cost:- `54,000/- (Rupees Fifty four thousand) only.


Schedule of Rate:- As per RD Schedule & latest RD approved rate (HPC approved rate).

Method:- Departmental Execution.

Availability of site: Available as finalized by the PRI Body.

Demarcation is done:-

Tentative completion time :- 10 (Ten) days.


Junior Engineer
Department of Agriculture


Executive Engineer
Department of Agriculture


Superintending Engineer
Department of Agriculture


Chief Engineer
Department Agriculture

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ANNEXURE-II

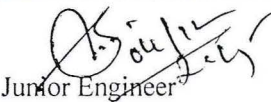
SL No	DESCRIPTION	ACTIVITY OUT PUT TO BE MEASURED(WITH UNIT)	MATERIAL	LAB OUR
1	2	3	4	5
1	Construction of Barak Bamboo scaffolding for drilling & lowering of the tube-well in/c cutting a tank 2.00 m X 2.00 m X 0.90 m size in drilling & cutting the two tank with 0.30 m width & 0.15 m deep drain.	1 job	Barak Bamboo = 3 Nos Coir rope = 1 kg GI wire = 0.50 kg	US=2
2.	Drilling & Boring of pilot hole in any soil strata by manual means collection of soil samples of different strata met with during drilling at various suitable levels, preservation of samples in polythene Bags sample boxes and disposed of excess soil on mud including the cost for water etc as required to maintain the project hole properly as per specification & direction of the Engg-in-charge.	80 mm dia N B 32.00 m/ per well		US=2 HS=1 Sk=1
3	Reaming the pilot hole to an enlarged bore hole in any soil strata by manual means, disposal of excess soil an mud, including the cost of water etc as required to maintain the bore hole properly as per specification and direction of the Engineering - in - Charge.	80 mm dia N B 32.00 m/ per well		US=3 HS=4 Ssk=2


U.S. →

05/12/15

4	providing & lowering of UPVC pipe as per IS: 12818 after washing of the bore hole by manual means as per specification & direction of the Engg-In-Charge.	UPVC 50mm dia nominal bore. =24.00m RS pipe =6.00m	UPVC pipe 50mm NB =24.00m RS pipe=6.00m	HS=1 US=1
5	Development & washing the tube well by using air compressor (Diesel operated) until sand free clear water is available as per direction of the Engineer in Charge.	1x30.00m=30.0m		Us=1 Hs=1
6	Providing and fitting fixing of pump having 1.5HP motor(water filled) suitable for 50 mm X 50 mm bore complete petrol start kerosene run or diesel operated in all respect as per direction of the Engg. - in-charge. (CRI/KSB/Worthington/Taxmo /Lubi /Kirloskar) .	1 No	Pump= 1 no	HS=1
9	Providing and fitting fixing of G.I Bend / elbow in the pipelines in/c testing the joints, complete as per direction of the Engg-In- change . i) 40mmdia NB	i)40mmdia NB GI bend=1no	i)40mmdia NB GI bend=1no	
10	Providing and fitting G.I reducer with pipe line including testing of joints complete as per CPWD specification and direction of the Engg-In-change . Size : 50 mm X 40 mm	1no	50 mm X 40 mm reducer =1no	For SI no.9 &11. Hs=1
11	Supplying and installation of sprinkler set suitable for 1.50HP pumpset comprising of sprinkler - 3nos , quick connect sprinkler pipe-9nos(6metre length each), GI riser with socket -3nos,riser adopter -3nos, each number of end pluck one band ,tee and connector for sprinkler Irrigation system.	1 complete job		

NOTE:- This is a model estimate . As per site condition , measurement of work will be taken into consideration for actual execution and accordingly, recorded in MB/Fiel Book and wages components to be fixed for corresponding volume of work for generation of FTO.


Junior Engineer
O/O the superintending Engineer
Department of agriculture


Executive Engineer
O/O the superintending Engineer
Department of Agriculture

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ANNEXURE-III

REQUIREMENT OF MATERIALS /LABOUR COMPONENT AND FUND FOR THE WORK

SL. NO	DESCRIPTION	UNIT	REQUIREMENT AS PER ANNEXURE-II	COST PER UNIT.	COST OF WORK
1	2	3	4	5	6
1	Barak Bamboo	no	3	150.00	450.00
2	Coir rope	kg	1.00	50.00	50.00
3	UPVC Pipe(50mm)	m	24.00	91.00	2184.00
4	Strainer(50mm) ,1.80m each	No	4	261.00	1044.00
5	Pump Motor 1.50 HP Diesel start kerosene run or diesel operated	No	1	18,500.00	18,500.00
6	GI pipe(40mm)	m	12.00	208.00	2496.00
7	GI Tee(40mm)	no	1	68.00	68.00
8	Cutter (40mm)	no	1	150.00	150.00
9	Complete sprinkler irrigation system	Job	1(One)	20,900.00	22,000.00
10	GI wire	kg	0.50	50.00	25.00

es/12/15

11	HS	M.Day	09	290.00	2610.00
12	SK	M.Day	1	254.00	254.00
13	S/SK	M.Day	2	218.00	436.00
14	US	M.Day	09	189.00	1701.00

Rs51,968./-

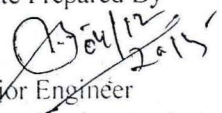
Add 1% Labour cess (+) Rs.520/-

Add 3% contingency for Sign board and documentation etc (+) Rs.1559/-

Rs.54,047/-

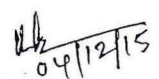
Say Rs.54,000/-

Estimate Prepared By




Junior Engineer

O/O the superintending Engineer
Department of agriculture



Executive Engineer

O/O the superintending Engineer
Department of Agriculture



Superintending Engineer
O/O the Chief Engineer
Department of Agriculture

T.S No:...../CE /Agri/DA/MGNREGA/TS/2015-16/Dated :-04/12/2015.

Technically Approved for an amounting to Rs.54,000/- (Rupees fifty four thousand) only



(Er. Animesh Das)

Chief Engineer,
Department of Agriculture