

183

GOVERNMENT OF TRIPURA  
DEPARTMENT OF AGRICULTURE  
(ENGINEERING WING)

HISTORY SHEET

Estimate No:- T.S No:- 09...../CE /Agri/DA/MGNREGA/TS/2015-16/Dated :-04/12/2015.

Name of Work:- Model Estimate for Setting up of Multi Chamber (10 Chamber) Vermi compost unit with HDPE Vermi Bed for production of organic Fertilizer 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/2014-15/950-35 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:- Rs `1,50,000/- (Rupees one lac fifty thousand) only.

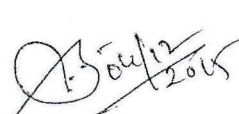
Schedule of Rate:- As per RD Schedule & latest RD approved rate (HPC approved rate).

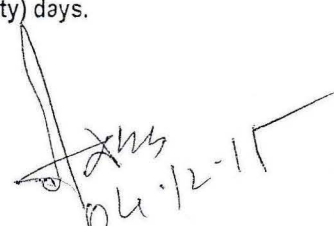
Method:- Departmental Execution.


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

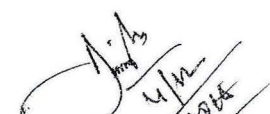
Demarcation is done:-

Tentative completion time :- 30 (Thirty) days.

  
Junior Engineer  
Department of Agriculture

  
Executive Engineer  
Department of Agriculture

  
Superintending Engineer  
Department of Agriculture

  
Chief Engineer  
Department of Agriculture

5/1  
09

NAME OF THE WORK:-MODEL ESTIMATE FOR SETTING UP OF MULTI CHAMBER (10 CHAMBER) VERMI COMPOST UNIT WITH HDPE VERMI BED FOR PRODUCTION OF ORGANIC FERTILIZER UNDER MGNREGA DURING 2015-16.

SIZE (9.00 m X 9.00 m)

**ANNEXURE-II**

SL NO	DESCRIPTION	ACTIVITY	MATERIAL S	LABOUR R
1	Earth work in excavation in foundation trenches not exceeding 1.5m width or 10sqm. On plan including dressing bottom lift up to 1.5m including getting out the excavated soil and disposal of surplus excavated soil as directed, with in a lead of 50m. a. Ordinary Soil	1)Pole Hole:- 2X4x0.60mx0.60mx1.00m=2.880cum 2) HDPE Vermi BED:- 10x3.65mx1.20mx0.60m= <u>26.280cum</u> 29.160cum		Us=12
2	Filling in plinth with local sand under floors including, watering, ramming, consolidating and dressing complete	2X4x0.60mx0.60mx0.10m=0.288cum	Coarse sand =0.288cum	Us=1
3	Providing and laying in foundations and plinth cement concrete 1:4:8 (1 cement : 4 river sand : 8 jhama brick aggregate 40mm nominal size) excluding the cost of	2X4x0.60mx0.60mx0.10m=0.288cum	Cement =1bags Sand =0.135cum Brick aggt. =0.256cum Picket	SK=1 Ssk=1 Us=1

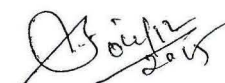
5/2  
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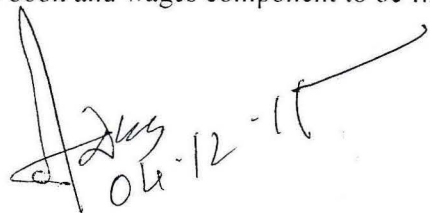
	centering and shuttering in:- a. Foundations and Plinth.		=77Nos	
4	Providing and laying in foundations and plinth cement concrete 1:2:4 (1 cement : 2 river sand : 4 jhama brick aggregate 20mm nominal size) excluding the cost of centering and shuttering in:- a. Foundations and Plinth.	2X4x0.60mx0.60mx0.60m=1.728cum	Cement =11 bags Sand =0.751cum Brick aggt. =1.537cum Picket =461Nos	HS=1 SK=1 Ssk=7 Us=3
5	Manufacturing supplying including fabrication of minor shed for any output unit , stand (base) for water tank ,sign board and other minor structure .( No materials will be supplied by the department)	BP(65 NB) = 24.00m@6.53kg/m=156.72kg BP(40NB)= 36.00m@3.61kg/m=129.96kg BP(32NB)= 69.60m @3.15kg/m=219.24kg H/D Bolts= 8x4x0.45m=14.40m =22.75kg (16mm dia)  ----- 528.67 Kg	Steel work =604.00kg	HS=7 Us=12
6	Supplying and Fitting /fixing of UV Film 200 micron for Rain protection.	Roof 2x9.90mx5.25m =103.95sqm Gable:2x1/2x9.00mx1.20m= <u>10.80sqm</u> 114.75sqm	UV film in/c wastage =110.00 Sqm.	Sk=7 Us=9

13  
179

7	Supplying and Fitting /fixing of Green shade net 80%(White Coloured)	Roof 2x9.90mx5.25m =103.95sqm Gable:2x1/2x9.00mx1.20m= 10.80sqm 114.75sqm Wall 4x9.00mx2.40m = 86.40sqm 201.15sqm	White shade net in/c wastage =215.00 Sqm	Sk=10 Us=15
8	Supplying of HDPE Vermi Bed (12'x4'x2') having ISI marked as per direction of The Engineer in charge.	10x 1 unit= 10 unit	Vermi bed = 10 Nos	US=2
9	Supplying of Lively Vermi /Earth worm for Vermi Compost production.	10x100nos= 1000nos	Vermi/Earth Worm(lively) =1000nos	
10	Supplying and collection of raw materials like cow dung etc for preparation of production bed	Qty of Cow dung = 10x 3.65mx1.20mx0.60m=26.280cum 2/3 X26.280 cum = 17.52 cum @ 660.00 Kg. per cum= 11,563.00 Kg.	Cow dung = 11,563.00 Kg	
11	Providing and fitting/fixing sign board & colour photograph for bthe vermi compost project.	i)Size of sign board = 1.20mx 0.90m By 1mm thick MS Sheet with MS angle(25mmx25mmx6mm) . ii) colour Photograph .	Steel Work = 15.00kg Photograph= Post Card size =3 copies	Sk=1 Us= 2

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/Field book and wages component 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

5/4  
09

AME OF THE WORK:- Model Estimate for Setting Up of Multi Chamber (10 Chamber) Vermi Compost Unit with Hdpe Vermi Bed for Production of Organic Fertilizer Under MGNREGA During 2015-16. Size (9.00 M X 9.00 M)

**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(Rs.)
1	2	3	4	5	6
1.	Cement	Beg	12.00	327.00	3924.00
2.	Course sand	cum	1.174	590.00	693.00
3.	1 <sup>st</sup> class picket	No.	538.00 ✓	7.20	3874.00
4.	HDPE Vermi bed / (12' X 4' X 2')	NO.	10.00 ✓	4500.00	45,000.00
5.	Lively vermin/ Earth worm	No.	1000.00 ✓	3.00	3,000.00
6.	Cow dung	Kg.	11,563.00 ✓	0.50	5782.00
7.	Steel work with MS sheet & angle	Kg.	15.00	67.00	1005.00
8.	Colour photograph	No.	3.00 ✓	20.00	60.00
9.	UV film 200 micron	sqm	110.00	100.00	11,000.00
10	Self Screws	No.	150	5.00	750.00
11.	G I Wire	kg	10.00	62.00	620.00
12.	Steel Work for tubular truss	kg	528.67 ✓	72.00	38,064.00
13.	Locking arrangement with screw fittings including coir rope etc	JOB	1(one)		287.00
14.	G I Springs	m	36.00	30.00	1080.00
15.	White shade net with 80% transparency	sqm	215.00 ✓	45.00	9675.00
16.	Highly skilled Labour (HS)	M.DAY	8 ✓	280.00 290 <sup>n</sup>	2240.00 2320 <sup>n</sup>
17.	Skilled Labour (SK)	M.DAY	20 ✓	245.00 254 <sup>n</sup>	4900.00 5080 <sup>n</sup>
18.	Semi skilled Labour (SSK)	M.DAY	8 ✓	210.00 218 <sup>n</sup>	1680.00 1744 <sup>n</sup>
19.	Un skilled Labour	M.DAY	57 ✓	182.00 185 <sup>n</sup>	10374.00 10773 <sup>n</sup>
	<b>TOTAL</b>				Rs.1,41,008/-

Rs.1,44,008/-  
 Add 1% Labour cess (+) Rs.1,440/-1447/=  
 Add 3% contingency (+) Rs.4320/-4342/=

Rs.1,49,768/-1,50,520/-  
 Say Rs.1,50,500  
 Estimated prepared by  
 Junior Engineer  
 (Er. Animesh Das)  
 Chief Engineer  
 Department of Agriculture  
 Tripura

*[Signature]*  
 04/12/15

Executive Engineer  
 O/O the superintending Engineer  
 Department of Agriculture

*[Signature]*  
 24/12/15

Superintending Engineer  
 O/O the Chief Engineer  
 Department of Agriculture

T.S No:-...D.G.../CE /Agri/DA/MGNREGA/TS/2015-16/Dated :-04/12/2015.  
 Technically Approved for an amounting to Rs 1,50,000/- (Rupees one lac fifty thousand) only.

*[Signature]*  
 Chief Engineer,  
 Department of Agriculture  
 Tripura  
 (Er. Animesh Das)  
 Chief Engineer,  
 Department of Agriculture

5/5  
 09

NAME OF THE WORK:- Model Estimate for Setting Up of Multi Chamber (10 Chamber) Vermi Compost Unit with Hdpe Vermi Bed for Production of Organic Fertilizer Under MGNREGA During 2015-16.  
Size (9.00 M X 9.00 M)

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17	Skilled Labour (SK)	M.DAY	20 ✓	245.00	4900.00
18.	Semi skilled Labour (SSK)	M.DAY	8 ✓	210.00	1680.00
19.	Un skilled Labour	M.DAY	57 ✓	182.00	10,374.00
	<b>TOTAL</b>				<b>Rs.1,44,008/-</b>

Rs.1,44,008/-

Add 1% Labour cess (+)

Rs.1,440/-

Add 3% contingency (+)

Rs.4320/-

Rs.1,49,768/-

Say Rs.1,50,000 /-

Estimated prepared by

Junior Engineer

*[Signature]*  
04/12/15

Executive Engineer

O/O the superintending Engineer  
Department of Agriculture

*[Signature]*  
04/12/15

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 1,50,000/- (Rupees one lac fifty thousand) only.

*[Signature]*  
4/12/15

(E. Animesh Das)  
Chief Engineer,  
Department of Agriculture

Re. Centre  
For Rs 1,50,000/- only.  
*[Signature]*  
(E. Animesh Das)  
Chief Engineer,  
Department of Agriculture  
Tripura.

5/5  
09