



# ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210



West Tripura.

No. RC/TC/NAIP/Purch-1/2010/0623

July 15, 2013.

## NOTICE INVITING TENDER

On behalf of ICAR, separate **SEALED** tenders for each of the following works are hereby invited from the contractors having valid registration / enlistment of State PWD / CPWD / BSNL / MES or any other authorized construction agency:

Sl.No.	Name of work	Estimated cost (Rs.)	Earnest Money (Rs.)	Closing date
1.	Construction of Custom Hiring Centre under NAIP, Ambasa, Dhalai	8,34,505.00	16,690/-	5 <sup>th</sup> August 2013 (up to 2 P.M.)
2.	Construction of Store Room under NAIP, Ambasa, Dhalai	99,518.00	1,990.00	
3.	Construction of Mini Deep Tube Well & Installation of Submersible Pump under NAIP, Ambasa, Dhalai	2,31,000.00	4,620.00	

Detailed estimate may be downloaded from our website: <http://www.tripuraicar.gov.in>

### Terms & Conditions

1. The received tender (s) may be opened on the above date and time, if possible. The bidder himself or his authorized representative may remain present on the date of opening. 2. The successful bidder will have to undertake the awarded work within 7(seven) days of receipt of work order and to complete the same within a reasonable time of 30 (thirty) days or as may be specified in the work order. 3. The successful bidder has to adhere to the Plan & Estimate while minor deviation as may be specified by the undersigned/concerned Scientist I/c. will be allowed subject to approval of the undersigned and further subject to the condition that the total expenditure must remain restricted to the administrative approved costs for each of the above works. 4. On completion of the allotted work, the bill in triplicate with **Measurement Book** duly signed by the Tech. Officer of AAS Unit of this Centre and copy of the handing over report may be submitted to the undersigned for arranging payment. 5. The undersigned reserves the right to accept and / or reject any tender including the lowest one without assigning any reason thereof. 6. Tenders are to be incorporated with copies of Enlistment, Registration, Labour Registration and ITC, PTC etc. 7. Earnest money (as mentioned in the Col. No. 4 above) in the form of **Deposit-at-Call** in favour of the **Joint Director, ICAR, Tripura Centre** of any bank must be attached with the tenders. 8. The cover containing the tender (separately for each work as above) must be superscripted by the name of work as mentioned at Col. No.2 above and may be submitted all the tenders in one covering super scribing 'Tender for NAIP, Ambasa, Dhalai'.

9. **Rs.1000/- (one thousand)** only has to be paid as the cost of Tender Paper (**non-refundable**). This is in the form of A/c Payee cheque/Banker's Cheque in favour of the **Joint Director, ICAR, Tripura Centre**, payable at Agartala

Sd/- A. Bora

Asstt. Adm. Officer

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdr.icar@nic.in](mailto:jdr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



# ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210



West Tripura.

From:

To

The Joint Director,  
ICAR Research Complex for NEH Region,  
Tripura Centre, Lembucherra-799210.

Sub: Submission of Tender for' .....  
.....'

Ref: Your NIT No..... Dated.....

Sir,

With reference to the above NIT I/we hereby offer my/our rates as detailed in you Tender Papers or such portion thereof as you may specify in the acceptance of tender. I/we shall be bound by a communication of acceptance dispatched within the aforesaid date.

2. I/we understood the instructions and conditions of contract pertaining to the above mentioned tender and have thoroughly examined the specifications/drawings and/or pattern quoted in the schedule thereto and am/are fully aware of the nature of the stores required and my/our offer is to supply strictly in accordance with the requirements.

3. The following pages have been added as part of the tender:

- a)
- b)
- c)
- d)

4. An A/c Pay cheque/Banker's Cheque bearing No. .... dated ..... for Rs..... (Rupees.....) only drawn in favour of the Joint Director, ICAR, Tripura Centre is enclosed herewith being the cost of tender papers.

5. One Deposit-at-Call bearing No..... dated..... for Rs..... (Rupees.....) only, drawn in favour of the Joint Director, ICAR, Tripura Centre on SBI, Agartala is also enclosed herewith being the Earnest Money Deposit (EMD).

6. I/we also agree to execute the contract bond/agreement as per ICAR rules.

Yours faithfully,

Signature of witness with address

Signature of Tenderer

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jctr.icar@nic.in](mailto:jctr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



## ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210



West Tripura.

---

### Terms & conditions

1. Only bonafide contractor/reputed construction firms duly registered and enlisted under CPWD/PWD/BSNL/MES/NBCC etc. and having PAN, valid registration with sales tax and Central Sales Tax (CST) (where applicable) are eligible for submitting tender. Tenderers having quoted for ISI/ISO certified equipment/service shall have preference.
2. As mentioned in the tender notice, the Earnest Money has to be submitted in the form of 'Deposit-at-Call in favour of the Joint Director, ICAR, Tripura Centre of any nationalized / state operated bank. Tender without the appropriate EMD will not be entertained and will be rejected. Number of the D'call has to be mentioned in submission letter.
3. The EMD will not carry any interest on it. The EMD of unsuccessful bidder (s) may be released on receipt of request from respective bidder, while the EMD of the successful tenderer (s) may be released only after 6 (six) months of completion of work. Request for release of such EMD after 3 years from the last date of receipt of tender not received, the same will be forfeited. Submission of EMD with tender is **compulsory** and no request for exemption is acceptable.
4. Tenders may be submitted in person and may drop in Tender Box or may send through Registered post/Speed Post. Responsibility of late receipt/postal delay/transit loss of such tender (s) sent through post will not be taken by the ICAR authority.
5. Tender paper (forms and other papers) has to be **downloaded from our website <http://www.tripuraicar.gov.in>** and an A/c payee cheque/Banker's cheque/Demand Draft for **Rs.500/-** (Rupees five hundred) only in favour of the Joint Director, ICAR, Tripura Centre to be attached with the tender. The cost of such Tender Paper has to be submitted separately for each of 'works'.
6. Tender (s) has to be submitted separately, in separate cover inscribing 'TENDER FOR.....(name of work)' together with all requisite documents, EMD and cost of tender paper.
7. The successful tenderer has to start the awarded work within a stipulated time to be mentioned in the 'Work order', failing which, penalty @5% (five percent) of the value of tender for delay of 15 days or fraction thereof will be imposed and will be deducted from contractor's bill or the EMD and the order will stand automatically cancelled.
8. Tender (s) should reach the office of the Joint Director, ICAR, Tripura Centre, Lembucherra within the stipulated date and time. Dropping time of tenders is 10 A.M. to 4 P.M. (except closing date & time). The tender so received up to the last date and time may be opened on that day, if possible. No tender will be received / entertained after the stipulated date and time.
9. Payment of Contractor's bill will be made by A/c payee DD/Cheque either from Tripura Centre or from our Complex's H. Qrs., Umiam, Meghalaya, as the case may be.

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdr.icar@nic.in](mailto:jdr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



## ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210



West Tripura.

- .....
10. Appropriate Income tax by way of TDS (Tax Deducted at Source) as per the IT rates prescribed by Govt. of India will be deducted.
  11. Decision of the Joint Director, ICAR Research Complex, Tripura Centre on any dispute related to the Tender shall be final and binding.
  12. If the total number of tenders are received is less than three, the received such tenders will not be opened and will be returned / retaining those, time may be extended or fresh tender may be invited.
  13. The tenders should remain valid for **one year** from the date of acceptance.
  14. the authority reserves the right to accept/reject any tender including the lowest one without assigning any reason thereof. The authority also reserves the right to accept any tender if the **lowest** bidder fails to complete the/does not start the awarded work within stipulated time, i.e., it is not mandatory of award the work to **2<sup>nd</sup> lowest**.

**Sd/- M. Datta**

Signature of Tenderer

Joint Director

All correspondence relating to the tender should be addressed to the Joint Director, ICAR Research Complex, Tripura Centre, Lembucherra, West Tripura-799210.

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jctr.icar@nic.in](mailto:jctr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



# ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210

West Tripura.



.....  
**APPLICATION FOR REQUEST FOR REFUND OF THE E.M.D. WITH REGARD TO THE TENDER FOR THE CIVIL WORKS UNDER ICAR RESEARCH COMPLEX, TRIPURA CENTRE, LEMBUCHERRA, WEST TRIPURA, TRIPURA**

From

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

To

The Joint Director,  
ICAR Research Complex for NEH Region,  
Tripura Centre, P.O. Lembucherra,  
West Tripura-799210, Tripura.

Sub: Application for release of EMD

Ref: Work entitled '.....  
.....

Sir,

This is to request you that since I am not the successful bidder with regard to the above mentioned tender, hence my E.M.D. which was dispatched / submitted to your good self vide Deposit-at-Call / Demand Draft / Banker's Cheque No. \_\_\_\_\_ dated \_\_\_\_\_ for Rs. \_\_\_\_\_ of ..... (name of Bank and Branch) drawn in favour of the Joint Director, ICAR Research Complex and payable and Agartala, may kindly be refunded to me at an early date.

Yours faithfully,

Signature of the Tenderer

(with seal & date)

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdr.icar@nic.in](mailto:jdr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



# ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210

West Tripura.



## DETAILED ESTIMATE

Name of the work : Construction of Custom Hiring Center under NAIP  
 Division : NAIP  
 Place : Ambasa Dhalai  
 Rate : Tripura Schedule Rates 2011, PWD (Building Works)  
 Total estimated cost : Rs 8, 34,505.00

SL No	Particulars	Quantity	Rate (Rs)/ Unit	Amount (Rs)
A	B	C	D	E
1	Earth work in excavation over areas (exceeding 30cm in depth 1.5m in width as well as 10sqm on plan) including disposal of excavated earth lead up to 50m and lift 1.5m disposed earth to be leveled and dressed. –All kind of soil by manual means $1 \times 21.00 \times 15.00 \times 1/3(0.10+0.15+0.12)=$	58.275cum		
2.	Earth work in excavation in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m –All kind of soil by manual means Pillar $1 \times 8 \times 1.20 \times 1.20 \times 1.20 = 13.824$ Below P.L Beam Long wall $1 \times 4 \times 7.75 \times 0.40 \times 0.30 = 3.72$ Short wall $1 \times 4 \times 4.00 \times 0.40 \times 0.30 = 1.92$ " $1 \times 2 \times 5.00 \times 0.40 \times 0.30 = 1.20$	20.664cum		
3.	Supplying and filling in plinth, under floor, foundations etc. with sand (fine) from local quarry with all lifts including spreading in horizontal layers, watering, grading to required slope, ramming, consolidation and compactor or by any suitable method complete. Pillar $1 \times 8 \times 1.20 \times 1.20 \times 0.075 = 0.864$ Long wall $1 \times 4 \times 7.75 \times 0.40 \times 0.075 = 0.93$ Short wall $1 \times 4 \times 4.00 \times 0.40 \times 0.075 = 0.48$ " $1 \times 2 \times 5.00 \times 0.40 \times 0.075 = 0.30$ Floor shed $1 \times 7.75 \times 5.00 \times 0.075 = 2.906$ $1 \times 2 \times 7.75 \times 4.00 \times 0.075 = 4.65$	10.13cum		

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdtr.icar@nic.in](mailto:jdtr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



# ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210



West Tripura.

4.	<p>Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering –all work up to plinth level 1:4: 8(1cement :4 fine sand :8graded well burnt brick aggregate 20 mm nominal size)</p> <p>Pillar <math>1 \times 8 \times 1.20 \times 1.20 \times 0.075 = 0.864</math>  Long wall <math>1 \times 4 \times 7.75 \times 0.40 \times 0.075 = 0.93</math>  Short wall <math>1 \times 4 \times 4.00 \times 0.40 \times 0.075 = 0.48</math>  " <math>1 \times 2 \times 5.00 \times 0.40 \times 0.075 = 0.30</math>  Floor shed <math>1 \times 7.75 \times 5.00 \times 0.10 = 3.875</math>  <math>1 \times 2 \times 7.75 \times 4.00 \times 0.10 = 6.20</math></p>	12.649cum		
5.	<p>Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidation each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m-All kinds of soil 1x 2/3 x20.664cum (qty as item no .1)</p>	13.775cum		
6.	<p>Providing and laying in position specified grade of Reinforced Cement concrete ex/cl the cost of centering, shuttering, finishing and reinforced – All work up to plinth level 1:2:4 (1 cement :2 fine sand :48graded well burnt brick aggregate 20 mm nominal size) Footing for RCC Post F1 <math>1 \times 8 \times 1.20 \times 1.20 \times 0.15 = 1.728 \text{cum}</math> Hones <math>1 \times 8 \times \{(1.20 \times 1.20) + (0.35 \times 0.35)\} / 2 \times 0.30 = 1.875</math> Col below PL <math>1 \times 8 \times 0.25 \times 0.25 \times 0.60 = 0.30</math> Shed Plinth beam <math>1 \times 2 \times 14.00 \times 0.25 \times 0.25 = 1.75</math> <math>1 \times 4 \times 7.75 \times 0.25 \times 0.25 = 1.937</math></p>	7.59cum		
7.	<p>Reinforced cement concrete work in beams, suspended floors , roofs having slope up to 15 degree landing, balconies slaves, chajjas, lintels bands, plain window sills staircases and spiral stair cases up to floor five level excluding the cost of centering, stuttering, finishing and reinforcement – RCC work in suspended floors ,roofs having slope up to 15% landing ,balconies, shelves and chajjas 1:2:4 (1 cement :2 fine sand :48graded well burnt brick aggregate 20 mm nominal size) Chajja . <math>1 \times 4 \times 2.50 \times 0.45 \times 1/2(0.15+0.10) = 0.562</math> <math>1 \times 14.00 \times 0.60 \times 1/2(0.15+0.125) = 1.155</math> Total: 1.717 cum RCC work in beams lintels bands plain window sills staircases and spiral staircases ex/c precast spiral staircase. 1:2:4 (1 cement :2 fine sand :48graded well burnt brick aggregate 20 mm nominal size) Lintel shed <math>1 \times 14.00 \times 0.25 \times 0.15 = 0.525</math></p>	1.717cum           2.582cum		

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdtr.icar@nic.in](mailto:jdtr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



# ICAR Research Complex for NEH Region



Tripura Centre, P.O. Lembucherra 799 210

West Tripura.

	<p>1x14.00x0.25x0.25=0.875 1x4x7.88x0.25x0.15=1.182</p> <p style="text-align: right;">Total: 2.582cum</p>			
8.	<p>Reinforced cement concrete work in walls (any thickness ), including attached pilasters , buttresses , plinth and skirting courses, fillets, columns, pillars , piers , abutments posts and struts etc . up to floor five level excluding cost of centering , shuttering , finishing and reinforcement-</p> <p>In plinth and skirting courses ,fillets, columns, pillars, posts and struts 1:2:4 (1 cement :2 fine sand :4:8 graded well burnt brick aggregate 20 mm nominal size)</p> <p>1x4x4.60x0.25x0.25=1.15cum 1x4x3.50x0.25x0.25= 0.875</p>	2.025cum		
9.	<p>Reinforcement for R.C.C work including straightening, Cutting, bending, placing in position and binding all Complete up to floor five level Thermo mechanically treated bar/cold twisted deformed steel bars.</p> <p>Foundation 3.603cum x @100kg 360.30kg PL beam 3.687cum x @180 663.66 Lintel 2.582cum x @90 232.38 Post 2.325cum x @180 418.50 Chajja 1.717cum x @50 85.85</p>	1760.69kg		
10.	<p>Centering shuttering in/c shuttering, propping etc. and removal of form work for: Foundations, footings, bases for columns etc. for mass concrete with timber plank</p> <p>1x8x4x1.20x0.20=7.68. 1x6x4x0.90x0.15 =3.24 1x8x4x0.25x0.60=4.80 1x6x4x0.85x0.25 =5.10</p> <p>Lintels, beams plinth beams girders bressumers and cantilevers with wooden plank.</p> <p>Shed Plinth beam 1x2x14.00x0.50=14.00 1x4x7.75x0.50=15.50</p> <p>Lintel shed 1x2x14.00x0.15=4.20 1x2x14.00x0.25=7.00 1x2x4x7.88x0.15=9.45 Office 1x2x2x6.00x0.15=3.60 1x2x2x4.00x0.15=2.40</p> <p>Weather shade chajjas corbels etc including edges shed 1x4x2.80x0.60=6.72 1x14.30x0.75=10.72</p> <p>Office room 1x9x1.45x0.60=7.83sqm</p>	<p>20.82sqm</p> <p>56.15sqm</p> <p>25.27sqm</p>		
11.	<p>First class brick work in foundation and plinth including cost of all materials as required complete in cement mortar 1:6 (1 cement : 6 fine sand )</p>	4.685cum		

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdt@icar.gov.in](mailto:jdt@icar.gov.in)

Website: <http://www.tripuraicar.gov.in>





# ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210



West Tripura.

	<p>Shed</p> <p>1x4x4.00x0.254x0.15 =0.609</p> <p>1x2x2.00x0.254x0.15 =0.152</p> <p>1x4x7.75x0.254x0.15 =1.181</p> <p>Boundary</p> <p>1x36.00x0.254x0.30= 2.743</p>			
12.	<p>Half brick masonry work in with 1st class brick in super structure above in up to floor five level including of all materials as required complete in cement mortar 1:4 (1cement : 4 fine sand)</p> <p>1x4x7.75x1/2(4.00+3.50)=116.25</p> <p>1x14.00x4.00=56.00</p> <p>1x14.00x3.50=49.00</p> <p>Boundary</p> <p>1x16x1.85x0.60=17.76</p>	239.01sqm		
13.	<p>6 mm cement plaster in single layer including cost of materials required and finishing even and smooth and curing complete in cement mortar 1:4(1cement :6fine sand )</p> <p>Beam</p> <p>1x2x2x2.85x0.15=1.71</p> <p>1x2x2x1.45x0.15=0.87</p> <p>Chajja</p> <p>1x4x2.80x1.10=12.32</p> <p>1x4x2.75x1.10=12.10</p> <p>1x14.00x1.30=18.20</p> <p>store</p> <p>1x9x1.50x1.00=13.50</p>	58.70sqm		
14.	<p>12 mm cement plaster in single layer including cost of materials required and finishing even and smooth and curing complete in cement mortar 1:6 (1cement :6fine sand )</p> <p>Shed</p> <p>1x6x7.50x1/2(4.00+3.50)=168.75</p> <p>1x2x4.00x3.50=28.00</p> <p>1x5.00x3.50=17.50</p> <p>Deduction</p> <p>1x1/2x4x2.00x1.20=(-)4.80</p> <p>1x2x3.00x1.20=(-)7.20</p> <p>Store</p> <p>1x2x4.00x1/2(3.00+2.70)=22.80</p> <p>1x2x6.00x1/2(3.00+2.70)=34.20</p> <p>Deduction</p> <p>1x1/2x7x1.00x1.20=(-)4.20</p> <p>1x1/2x2x1.00x2.10=(-)2.10</p>	252.95sqm		

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdtr.icar@nic.in](mailto:jdtr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



# ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210



West Tripura.

15.	<p>15 mm cement plaster in single layer including cost of materials required and finishing even and smooth and curing complete in cement mortar 1:6 (1cement :6fine sand ) Shed out side 1x14.00x3.80=53.20 1x2x8.25x1/2(4.30+3.80)=66.82 1x4x4.00x0.25=4.00 1x14.00x0.60=8.40 Store room 1x6.25x3.00=18.75 1x6.25x2.70=16.87 1x2x4.25x1/2(3.00+2.70)=24.22</p>	192.26sqm		
16.	<p>Neat cement punning (Qty as item no.15) Shed out side 1x14.00x0.40=5.60 1x2x8.25x0.40=6.60 1x4x4.00x0.25=4.00 1x14.00x0.60=8.40 1x6x7.50x0.60=2.70 1x2x4.00x0.60=4.80 1x5.00x0.60=3.00 Store room 1x2x4.00x0.30=2.40 1x2x6.00x0.30=3.60 1x6.25x0.40=2.50 1x6.25x0.40=2.50 1x2x4.25x0.40=3.40</p>	129.56sqm		
17.	<p>Providing and laying in cement concrete 1:2: 4 (1cement :2 fine sand :4graded stone aggregate 20mm nominal size ) ) flooring finished with a floating coat of neat cement in/cl cement slurry, rounding of edges and strips etc complete 40mm thick 20mm stone aggregate. Shed 1x2x4.00x7.75=62.00 1x5.00x7.75=38.75 Floor store 1x5.75x3.75=21.56</p>	122.31sqm		
18.	<p>Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, &amp; with cleats with bolts &amp; nuts, rivets, locking arrangement, handles, hooks &amp; eyes, pinlets including embedding in cement concrete of required grade for fixing in position, all necessary fittings, including applying a priming coat of approved steel primer etc. complete as required:- Using flats 30x6mm for diagonal braces and central cross piece. Door 1x1.00x2.10=2.10</p>	11.70sqm		

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdtr.icar@nic.in](mailto:jdtr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



# ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210



West Tripura.

	Window 1x4x2.00x1.20=9.60			
19.	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. Fixed to openings /wooden frames with rawl plugs screws etc. 1x2x3.00x1.20=7.20sqm L.S 8kg/sqm	57.60kg		
20.	supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 275mm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters & with handles, hold fast including embedding in cement concrete of required grade required for fixing in position, all necessary fittings, including applying of approved steel primer etc. complete as required:- 80x1.25mm M.S. laths with 1.25 mm thick top cover. 1x2x4.30x4.00=34.40sqm 1x5.30x4.00=21.20	55.60sqm		
21.	Providing and fixing ball bearing for rolling shutters (exceeding 10 sqm area) of approved make complete as required. 1x3= 3nos	3nos		
22.	Extra for providing & fixing mechanical device chain and crank operation for operating rolling shutters of approved make complete as required:- Exceeding 16.80 sqm in area. 1x5.30x4.00=21.20	21.20sqm		
23.	Providing steel work in built up tubular trusses in/c cutting hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted in/c special shaped washers etc. Complete as required. Hot finished welded type tubes Tie 47.90mm(OD)medium Shed 1x6x9.00=54.00m Store 1x4x5.00= 20.00m Total 74.00m 3.56kg/m 263.44 kg Purlin 33.3mm (OD) medium 1x5x15.00=75.00m 1x4x7.00=28.00m Total 103.00m 2.41kg/m 248.23 kg	511.67kg		
24.	Providing corrugated G.S sheet roofing including vertical /curved surface fixed with polymer coated J or L hooks , bolts and nuts 8 mm diameter with bitumen and G.I limpet washers or with G.I limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete ( up to any pitch in horizontal/vertical or curved surfaces) excluding the cost of purloins, rafters and trusses and including cutting to size and shape wherever required. 0.63mm thick with zinc coating not less than 275gm/m <sup>2</sup> Shed	152.50sqm		

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdtr.icar@nic.in](mailto:jdtr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



# ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210



West Tripura.

	1x14.50x8.50=123.25sqm Store 1x6.50x4.50= 29.25sqm			
25.	Painting with synthetic enamel paint (two or more coats) of required colour of approved brand and manufacture on new work to give an even shade over an under coat of suitable shade with ordinary paint of approved brand and manufacture RS 1x2x2x4.30x4.00=68.80sqm 1x2x5.30x4.00=42.40 Door 1x2x1.00x2.10=4.20 Window 1x2x4x2.00x1.20=19.20 Window 1x2x7x1.00x1.20=16.80	151.40sqm		
26.	Finishing walls with water proofing cement paint of required shade of approved brand and manufacture on new work (two or more coats applied @ 3.84 kg/10 sqm) complete. LS 160.00sqm	160.00sqm		
27.	Distemping with 1st quality acrylic washable distemper of approved brand and manufacture and of required shade on new work (two or more coats) to give an even shade over and including a priming coat of cement primer complete L S 230.00sqm	230.00sqm		
	<b>TOTAL Rs</b>	<b>GRAND</b>		
<b>Rupees</b>				

Signature of the bidder

Seal

Date

## DETAILED ESTIMATE

Name of the work : Construction of Store Room  
 Division : NAIP  
 Place : Ambasa Dhalai  
 Rate : Tripura Schedule Rates 2011, PWD (Building Works)  
 Total estimated cost : **Rs 99,518.00**

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdr.icar@nic.in](mailto:jdr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



# ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210



West Tripura.

SL No	Particulars	Quantity	Rate (Rs)/ Unit	Amount (Rs)
1.	Earth work in excavation in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m –All kind of soil by manual means Long wall 1x2x6.00x0.50x0.55=3.30cum Short wall 1x2x4.00x0.50x0.55= 2.20	5.50cum		
2.	Supplying and filling in plinth, under floor, foundations etc. with sand (fine) from local quarry with all lifts including spreading in horizontal layers, watering, grading to required slope, ramming, consolidation and compactor or by any suitable method complete. Long wall 1x2x6.00x0.50x0.075=0.45 Short wall 1x2x4.00x0.50x0.075=0.30 Floor 1x5.75x3.75x0.15=3.234	3.984cum		
3.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering –all work up to plinth level 1:3:6 (1cement :3 fine sand :6graded well burnt brick aggregate 20 mm nominal size) Long wall 1x2x6.00x0.50x0.075=0.45 Short wall 1x2x4.00x0.50x0.075=0.30 Floor 1x5.75x3.75x0.10=2.156	2.906cum		
4.	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidation each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m-All kinds of soil 1x 2/3 x5.50(qty as item no .1)	3.666cum		
5.	First class brick work in foundation and plinth including cost of all materials as required complete in cement mortar 1:6 (1 cement : 6 fine sand ) Long wall 1x2x6.00x0.381x0.15=0.685cum Short wall 1x2x4.00x0.381x0.15=0.457 Long wall 1x2x6.00x0.254x0.50=1.524 Short wall 1x2x4.00x0.254x0.50= 1.016	3.682cum		
6.	Providing and laying damp-proof course with cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 12.5mm/20mm nominal size). DPC 50mm Thick Long wall 1x2x6.00x0.254=3.04 sqm Short wall 1x2x4.00x0.254= 2.03 sqm	5.07sqm		
7.	First class brick work in super structure above in plinth level up to floor five level including cost of all materials as required complete Extra for brick masonry work in triangular , square and rectangular pillar including of all materials as required complete in cement mortar 1:4 (1 cement : 4 fine sand )	1.809cum		

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdr.icar@nic.in](mailto:jdr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



# ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210



West Tripura.

	1x10x0.254x0.25x2.85			
8.	<p>Half brick masonry work in with 1st class brick in super structure above in up to floor five level including of all materials as required complete in cement mortar 1:4 (1cement : 4 fine sand)</p> <p>Below lintal 1x10x1.75x2.10=36.75sqm</p> <p>Above lintal 1x10x1.75x0.75 =13.12</p> <p>Front 1x6.25x0.30=1.87</p> <p>Total 51.74sqm</p> <p>Duct ion Door&amp; window 1x2x1.00x2.10=4.20</p> <p>1x7x1.00x1.20=8.40</p> <p>Total (- )12.60sqm</p>	39.14sqm		
9.	<p>Reinforced cement concrete work in beams, suspended floors , roofs having slope up to 15 degree landing, balconies slaves, chajjas, lintels bands, plain window sills staircases and spiral stair cases up to floor five level excluding the cost of centering, stuttering, finishing and reinforcement – RCC work in suspended floors ,roofs having slope up to 15 degree balconies, shelves and chajjas 1:2:4 (1cement :2 fine sand :4graded stone aggregate 20 mm nominal size)</p> <p>1x9x1.20x0.45x1/2(0.15+0.10)= 0.607cum</p> <p>RCC work in beams, lintels, bands, plain window sills staircases and spiral stair cases excluding pre cast spiral staircase 1:2:4 (1cement :2 fine sand :4graded stone aggregate 20 mm nominal size)</p> <p>Long wall 1x2x6.00x0.125x0.15=0.225</p> <p>Short wall 1x2x4.00x0.125x0.15=0.15</p> <p>Extra 1x10x0.25x0.125x0.15=0.046</p>	0.607cum		
10.	<p>Reinforcement for R.C.C workincluding straightening, Cutting, bending, placing in position and binding all Complete up to floor five level Thermo mechanically treated bar/cold twisted deformed steel bars.</p> <p>1x Qty as item no.17 (0.607+0.412) cum x70kg/cum= 71.33kg</p>	71.33kg		
11.	<p>Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, &amp; with cleats with bolts &amp; nuts, rivets, locking arrangement, handles, hooks &amp; eyes, pinlets including embedding in cement concrete of required grade for fixing in position, all necessary fittings, including applying a priming coat of approved steel primer etc. complete as required:-</p> <p>Using flats 30x6mm for diagonal braces and central cross piece.</p> <p>Door 1x1.00x2.10=2.10</p> <p>Window 1x7x1.00x1.20=8.40</p>	10.50sqm		
<b>GRAND TOTAL</b>				
<b>Rs</b>				
<b>Rupees</b>				

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdr.icar@nic.in](mailto:jdr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



# ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210

West Tripura.



Signature of the bidder

Seal

Date

## DETAILED ESTIMATE

Name of work : C/o Mini Deep Tube Well and installation of Submersible Pump.

Division : NAIP, Dhalai

Location : Dhalai district

Rate : Tripura Schedule of Rates 2002

Total estimated cost : Rs.2,31,000/-

Item No. & details of work to be executed		Rate	Amount	
Description	Quantity		In figure (Rs.)	In words
<b>Item No.1:</b> C/o barak bamboo scaffolding for drilling and lowering of tube well i/c cutting a tank 2 x 2 x 0.9m size in drilling point and connecting the two tanks with 0.30m width and 0.15m deep drain:	1 (one) No			

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdr.icar@nic.in](mailto:jdr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



## ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210



West Tripura.

<b>Item No.2:</b> Drilling and boring of pilot hole of 100mm dia in any strata by water jetting or another suitable method i/c disposal of cutting soil, sand, clay etc. and making the hole properly in perpendicular and collection of the sample of strata regular intervals for designing the assembly of the tube well (Required drilling pipes and cutter will be arranged by the bidder/agency)	99.20 mtr			
<b>Item No.3:</b> Reaming the pilot hole of 100mm dia to an enlarged bore hole of 250mm dia by water jetting or any other suitable method i/c disposal of spills, maintaining proper shape of the hole should be maintained perpendicular with respect to ground level	99.20 mtr.			
<b>Item No.4:</b> Supplying and lowering of 140mm and 110mm dia nominal bore UPVC blind pipes and 110mmdia slotted UPVC pipes as per availability of sub-soil water strata of approved quality reducer of 140x110mm dia and 110mm cutter. After successful dropping of pipes, the well will be washed with water lifting process in continuous until washed out all clay and cow dung from the dropped pipes and clear water is available as per direction of the Engineer-in-Charge. (Minimu length of 110mm dia strainer will be 30.00m)	93.41 mtr.			
<b>Item No.5:</b> Development and washing of the tube well using air compressor (diesel operated) until sand free clear water is available as	1 No.			

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdtr.icar@nic.in](mailto:jdtr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>





## ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210



West Tripura.

per direction of the Engineer-in-Charge.				
<b>Item No.6:</b> Supplying and fitting of submersible pump of 2000 GPH capacity, 45m head with motor of 3 HP capacity, single phase i/c 40mm dia 30.00m heavy duty GI pipes with GI flange with rubber nuts, bolts etc. pu,p assembly and reducing socket, delivery bend 90 degree, non-return valve and fittings etc. as per the direction of the Engineer-in-Charge.	1 No.			
<b>Item No.7:</b> Supplying, carrying and shrouding of washed pea-gravel of 2.00mm effective size in annular space between the pipe assembly and bore holes	3.50 cum			
<b>Item No.8:</b> Supplying and fitting, fixing of panel box of MS sheet with locking arrangement comprising of starter, Main Switch, Ampere Meter, Voltmeter, Selector Switch etc. inside the box i/c service connection within 50m length of LT line with roof of rain water protection and 4 Nos. Standby CC work in all respect as per the direction of Engineer-in-Charge i/c necessary earthing arrangement of the accessories of panel box.	1(one) job			
<b>Item No.9:</b> Construction of cement concrete 1:2:4 (1 cement:2 River Sand:4 jhama brick aggregate 20mm size) Working Platform of 1.85m dia, 15cm thick with 100mm thick border and drain etc. i/c plastering, neat cement punning	1 (one) job			

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdr.icar@nic.in](mailto:jdr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



# ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210

West Tripura.



.....

etc.				
A. Total )from Item No.1 to 9)				
B. Add 3% contingencies				
C. Total (A+B)				
D. Add .....% above TSR 2002 (C)				
<b>E. GRAND TOTAL (C+D)</b>				
<b>Rounded off to</b>				

Signature of the bidder

Seal & Date:

Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdtr.icar@nic.in](mailto:jdtr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



## ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210

West Tripura.

---



Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdr.icar@nic.in](mailto:jdr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



## ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210

West Tripura.

---



Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdr.icar@nic.in](mailto:jdr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



## ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210

West Tripura.

---



Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdr.icar@nic.in](mailto:jdr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



## ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210

West Tripura.

---



Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdr.icar@nic.in](mailto:jdr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>



## ICAR Research Complex for NEH Region

Tripura Centre, P.O. Lembucherra 799 210

West Tripura.

---



Phone No. 0381 2865537, 2865201, 2410092 (Resi-JD)

Fax: 0381 2865537, 2865201, 2410092

e-mail: [jdr.icar@nic.in](mailto:jdr.icar@nic.in)

Website: <http://www.tripuraicar.gov.in>