

## **WBUAFS**

**No:** WBUAFS/RKVY /224

**Date:** 04.02.11

Sealed tenders are invited for supply of various items and solar system development works for the project. Details are in [www.rkvy-wbuafs.com](http://www.rkvy-wbuafs.com) Last date 15.02.11 by 3.30 PM Noon. EMD 2%.

Dr.P K Das, PI, RKVY Project, WBUAFS, 37, K.B. Sarani, Kolkata – 37

### **DETAILS OF TENDER NOTICE**

The tender should be submitted to the Office of the Registrar at 68, K B Sarani, Kolkata – 700 037, West Bengal addressing to the **Principal Investigator, RKVY Project, WBUAFS** along with a Demand draft of Rs.100/- (Rupees one hundred) and 2% of the quoted amount in favour of “**Finance Officer, WBUAFS**” payable at “**Kolkata**” from any schedule Bank. **Last date for dropping is 15.02.11 by 3.30 PM.** The tender quotation will be opened on 15.02.11 at the conference room of the University at 68, K.B.Sarani, Kolkata – 700 037, WB at 03: 35 PM. All the eligible bidders may attend during the opening of tenders on the date with appropriate permission.

Dr.P K Das, PI, RKVY Project, WBUAFS, 378, K.B. Sarani, Kolkata – 700 037, WB.

**Rashtriya Krishi Vikash Yojona sponsored Project on  
DEVELOPMENT OF A MODEL FOR  
SUSTAINABLE BACKYARD POULTRY FARMING IN WEST BENGAL**



Organised by

**West Bengal University of Animal & Fishery Sciences**

37, K B Sarani, Kolkata – 700 037, West Bengal

In Collaboration with

**Department of Animal Resources Development, Government of West Bengal**

and

**Three tier Panchayet System**



**APPLICATION FOR TENDER**

(for items under Annexure I, II and III)

To  
The Principal Investigator,  
RKVY Project,  
WBUAFS  
68, K.B. Sarani  
Kolkata – 700 037  
West Bengal  
India

Sir,

In response to the **Tender Notice No.:** WBUAFS/RKVY /224 **Dated 04.02.11**, we are/I am interested to compete/place for the tender for supplying of following item(s) as specified in the list enclosed and submitting tender offers along with a Demand Draft of Rs.100/- (Rupees one hundred) Vide DD No....., dated ..... and Rs. .... (Rupees ..... ) only Vide DD No....., dated ..... drawn in favour of “Finance **Officer, WBUAFS**” payable at “**Kolkata**”. from Bank....., Branch..... .In this connection we/I accept your terms & conditions specified below:

**TERMS AND CONDITONS**

1. The Principal Investigator, RKVY Project, WBUAFS reserve the right to accept or reject the Tender, partly or fully without assigning any reasons there of. Simple submission of the lowest rate does not form a right to get a supply/ purchase order. Call of tender does not necessarily mean purchasing of all items.
2. The supply of items should be made within thirty days from the issuing date of the purchase order. In case of construction work specific time schedule and terms and condition will be followed as mentioned separately.
3. Delivery of articles etc. should be made / work to be done at the HQ of the Project, Department of Veterinary Physiology, 37, K B Sarani, Kolkata – 700 037, WB or at Mohanpur (Nadia) Campus or Jalpaiguri District or South 24 Parganas District or Midanpur of Paschim Medenipur or at Balurghat of Dakshin Dinajpur district of West Bengal or as mentioned for any specific areas or as per instruction in the purchase/ work order.
4. Every price/rate quoted in the tender offer shall be inclusive of packaging, transportation and installation cost etc., (i.e. all sorts of additional costing) and also taxes etc.
5. Earnest Money @ 2% of the quoted value and Rs.100/-(Rupees one hundred) only is to be deposited by Demand Draft in favour of “**Finance Officer, West Bengal University of Animal and Fishery Sciences**” payable at “**Kolkata**” from any schedule Bank. After being selected, if the party fails to honour the commitment within the stipulated period, the Earnest Money will be forfeited.

6. Tender must be accompanied with a copy of

i) Valid trade License

ii) Income Tax clearance certificate / current copy of return acknowledgement

iii) Sales Tax clearance certificate / current copy of return acknowledgement.

iv) Current Professional Tax clearance receipt of the firm

iv) Proof of authorization of the concern companies /supplier.

v) PAN Card

vi) VAT registration certificate, if any

7. Tender offers for the articles should be as indicated as prescribed in tender papers attached herewith for competing Tender. Extra sheets may be attached if required.

8. All legal matters will be settled within the jurisdiction of Kolkata High Court.

9. **Last date of submission of Tender is 15.02.11** upto 3.30 PM. and **Date of Tender opening is 15.02.11** at 03:35 PM at the conference room of the University at 68, K.B.Sarani, Kolkata – 700 037, WB

Thanking you,

Yours faithfully,

Date: .....

(Signature)

Name of the Firm.....

Address for Communication .....

Contact Phone No. ----- Fax \_\_\_\_\_ Email: \_\_\_\_\_

**Rashtriya Krishi Vikash Yojana sponsored Project on  
DEVELOPMENT OF A MODEL FOR  
SUSTAINABLE BACKYARD POULTRY FARMING IN WEST BENGAL**



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and

**Three tier Panchayet System**

**APPLICATION FOR TENDER**

**(for items under Annexure IV)**

For the Work ..... amount a  
sum of money Rs ..... (Rupees .....) put to tender, at the  
West Bengal University of Animal & Fishery Sciences, vide N.I.T. No. .... of .....

To  
The Principal Investigator,  
RKVY Project,  
WBUAFS  
68, K.B. Sarani  
Kolkata – 700 037  
West Bengal  
India

**Sir,**

In response to the **Tender Notice No.: WBUAFS/RKVY /224 Dated 04.02.11**, we are/I am interested to compete/place for the tender for construction work of following item(s) as specified in the list enclosed and submitting tender offers along with a Demand Draft of Rs.100/- (Rupees one hundred) Vide DD No....., dated ..... and Rs. .... (Rupees .....) only Vide DD No....., dated ..... drawn in favour of “Finance **Officer, WBUAFS**” payable at “**Kolkata**”. from Bank....., Branch.....

I/We namely ..... having my/our registered office at ..... highly glad to offer my/our lowest rate / item rated for solar power project only to execute the above mentioned work. My/our rate is .....

(Strike out which is not applicable)

Further, I/We like to undertake after careful consideration of N.I.T that I/We abide by the (i) General Conditions of Contract, (ii) Specification of Work (iii) Mode of Measurement for Building, Sanitary, Plumbing and Drainage work as per State P.W.D. Schedules and for other works as per specification stated in the tender document.

The following documents are enclosed herewith for your consideration.

- i) Constitution of the company:- i.e. enlistment certificate
- ii) Solvency Certificate:
- iii) List of Work executed with completion and payment Certificates:
- iv) List of equipments:
- v) Name of the Technical personnel:
- vi) Tax clearance Certificates (P.T, S.T & I.T)
- vii) I/We enclose herewith all the tender documents duly signed by me us

In this connection we/I accept your terms & conditions specified below:

### **TERMS AND CONDITONS**

- 1) The Principal Investigator, RKVY Project, WBUAFS reserve the right to accept or reject the Tender, partly or fully without assigning any reasons and there of. Simple submission of the lowest rate does not form a right to get a construction work order. Call of tender does not necessarily mean construction of all items.
- 2) There is No restriction to forbear any intending tenderer from submitting tenders for more than one.
- 3) No Advance will be paid against the contract. Payment will be made as per the actual work done.
- 4) The tenderer shall submit the detail programme of work and method of construction. The work shall be completed within 3 (three) months i.e. 90 days / as will be specified in work order from the date of written order to commence the work.
- 5) The construction shall follow the detailed drawing to be supplied from the Office of the RKVY, Department of Veterinary Physiology, Faculty of Veterinary & Animal Sciences, WBUAFS, 37, K B Sarani, Kolkata – 700 037 during office hours on working days of the University to the lowest tender(s).
- 6) Contract documents consisting of specification drawings (to be shown in the Office of the RKVY at the above mentioned address on demand), complete specification of the schedule of items of the various classes of work to be done and the set of conditions of contract to be complied with by the Tenderers who's Tender may be accepted.
- 7) Tender shall be submitted in the form which can be obtained from web site
- 8) Amount of Security Deposit will be 10% (ten percent) of the amount of contract without any upper ceiling. In case the security deposit is above 2,00,000.0 Bank Guarantee of the amount above of Rs. 2,00,000.00 is to be furnished in the form of Bank Guarantee (in the prescribed format) in favour of the tender inviting authority.
- 9) Amount of Earnest Money will be 2% (two percent) of the amount of contract. The initial earnest money shall be 2% of the tendered amount. The balance amount of initial earnest money deposit, if any, after adjustment of earnest money shall have to be deposited during execution of formal agreement.
- 10) 1% of cess of cost of construction will be deducted from the contractor's bill employing 10 (Ten) or more construction workers on any building or other construction work. Under section – 7 of the

building and other construction workers Act. 1996 and building and other construction workers Welfare Cess Act. 1996 and the rules framed there under.

- 11) Each set of tender documents as mentioned in Clause above, should be supported by Earnest Money @ 2% of the quoted value and Rs.100/-(Rupees one hundred) only is to be deposited by Demand Draft in favour of “**Finance Officer, West Bengal University of Animal and Fishery Sciences**” payable at “**Kolkata**” from any schedule Bank. After being selected, if the party fails to honour the commitment within the stipulated period, the Earnest Money will be forfeited. Earnest Money deposited in either of the form should belong to in the name either the Proprietor of the Firm/or the Partner/Partners of the Firm, failing which the tender may be cancelled.
- 12) The Earnest Money shall be refunded to unsuccessful Tenderers without any interest thereof. No claim for delay shall be admissible.
- 13) The Security Deposit shall be collected by deduction from the running bills of the Contractor @ 10% of the value of work and the Earnest Money deposited by the Contractor shall be treated as a part of the Security Deposit for the successful Tender.
- 14) Tax Clearance Certificate is to be submitted with the Tender Form. The Contractors will have to abide by the provision of West Bengal Contract Labour (Regulation Y Abolition) Rules- 1972, as enforced during the period of the Contract. Mainly labours accommodation, sanitation, medical insurance etc., is to be provided by the Contractor.
- 15) Taxes at source will be recovered as per income Tax and West Bengal Sales tax Act/Rules as applicable.
- 16) Tenderer will clearly mention the name of work, Sl. No. & NIT No. over the sealed cover before submission of tender. All applicants will strictly follow the instructions given above. Application which does not fulfill the above mentioned points may be liable for rejection. Any sort of canvassing will also make the applicant liable for rejection.
- 17) Complete tender document with sealed covers either the name of the work and with the name and Address of the tenderer superscripted on the cover are to be submitted within the TENDER BOX kept in front of the room of the Registrar, WBUAFS. **Last date of submission of Tender is 15.02.11 upto 03:30 PM.** and **Date of Tender opening is 15.02.11 at 03:35 PM** at the conference room of the University at 68, K.B.Sarani, Kolkata – 700 037, WB. The intending tenderer or their authorized representative may be present at the time of opening of tender with due permission.
- 18) Tender documents shall consist of Technical Specifications, Schedule of works with quantities, Rates, Amount any other papers agreed upon by authority of W.B. University of Animal and Fishery Sciences and the tenderer.
- 19) Each tenderer is required to go through the Schedule of rates as defined in BOQ very carefully before submission of tender and he will give a declaration in the space provided for the purpose.
- 20) The rates shall be submitted on the basis of schedule of items attached with the Tender. The Tenderer shall quote the rate for work by mentioning of percentage above/below or at par for the total schedule of work. Item wise rates will not be accepted except for Solar Power Project. Quoted rates should be in figures as well as in words. In case of any discrepancy in rates quoted in words and in figures, the lower of the two shall be taken as correct.

- 21) The tender shall be evaluated on the basis of total of item rates and amount thereby. WBREDA empanelled tenderer will get preference.
- 22) The quotation/tender rate shall be clearly & legibly written by the person signing the tender and with the same PEN & ink. ERASING OR OVERWRITING SHALL NOT BE ALLOWED. In case, it become necessary to correct the rates once within the entire quotation should be scored through and attested by full signature. A fresh quotation in appropriate Form should then be written. In the event of the tender being submitted by firm, it must be signed by a member or members of the firm having legal Authority to do so and the legal documents in support thereof must be produced along with the tender failing which the tender will be cancelled. In case of a Firm carried out by one member of a joint Hindu family it must disclose that the Firm is duly registered under Hindu Partnership Act.
- 23) The tenderer must sign the 'Declaration by the Tenderer'. The tenderer must also sign at the bottom of each page of the submitted Documents. Over writing shall not be done. All corrections admission alterations etc. must be duly signed.
- 24) No tender will be deemed to be fit for consideration unless the tender documents are fully and completely filled in. All information that may be asked for from a tender must be unequivocally furnished. Any tender which is incomplete or does not comply with the prescribed conditions contrary to those laid down here or in other tender documents, will be liable to rejection at the time of opening or during subsequent scrutiny, conditional tender will not be accepted.
- 25) Canvassing in connection with the tender is strictly prohibited and a tenderer who resorts to this will render his tender liable to rejection.
- 26) A tender once submitted shall not be withdrawn within a period of 4 (four) months from the last day of receipt of the tender, If a tenderer withdraws a tender within this period of four months without giving justifiable reason for such withdrawals to the satisfaction of the accepting authority of the tender. He shall render himself liable to be debarred from submitting any tender for works under the West Bengal University of Animal and Fishery Sciences and security deposit (Earnest Money) of the contractor shall stand forfeited and be absolutely at the disposal of WB University of Animal and Fishery sciences.
- 27) Earnest money deposited by an unsuccessful tenderer will be refunded on application to the PI, RKVY, WB University of Animal and Fishery sciences.
- 28) The tenderer whose tender is accepted, shall within 7 (seven) days of receipt of an intimation to the effect, deposit an additional amount required which together with some amount already deposited as Earnest Money and converted into part of security deposits on acceptance of tender will be equivalent upto 2 (two) percent of the tendered amount (i.e. the estimated value of the work at contractual rate). Failing to deposit such amount end or in submission or the copies of the documents as specified herein after within the specified time shall render the contract to be transmitted without reference to the contractor and in such case the deposit security money shall stand forfeited to be department.
- 29) All legal matters will be settled within the jurisdiction of Kolkata High Court.
- 30) The documents to be submitted along with the applications are as follows:-  
Attested Xerox copies of

- A) Valid P. Tax Certificate P. Tax Clearance Certificate, Registration of VAT, VAT return, (current) valid PAN Card as issued by the income Tax Authority, Income Tax Return for the last 3 (three) years, balance sheet authenticated prove of resourceful, (Bank solvency certificate) deed for work value 4.00 lakhs & above).
- B) Credential Certificate of successful completion of similar nature of work (showing break-up of main items executed with amounts) along with the work order for works completed within last 3 (three) years of values not less than 50% (fifty percent) of the works applied for including mentioning time of completion of the work.
- C) Credentials of works which are in progress or payment certificates only will not be entertained. Applicants applying in more than one serial must mention their priority.
- D) When the applicant is an authorized signatory, he should submit documents of authorization in his favour with the application.
- E) In case of partnership firms, they should submit copy of PARTNERSHIP DEED with their application. Otherwise application will not be entertained.

Thanking you,

Yours faithfully,

Date: .....

Signature of the Contractor

Name of the Firm .....

With Office Seal

Name of the Proprietor .....

Name of the Partner of the Firm .....

Address for Communication .....

.....

Contact Phone No. ----- Fax \_\_\_\_\_ Email: \_\_\_\_\_

**CHECK LIST**

- 1.Tender Form; 2. N.I.T No. ; 3. Drawing; 4. Constitution of Company; 5. Solvency Certificate; 6. List of work executed (a), (b) .... ; 7. List of equipments; 8. Name of Technical Personnel; 9. Tax Clearance Certificate; 10. Professional Tax; 11. Sales Tax (if applicable); 12. Income Tax and 13. Bank Draft for Earnest Money and Application Form Fees (separately)

**TENDERS ARE INVITED FOR FOLLOWING ITEMS WITH  
RESPECTIVE SPECIFICATIONS**

*ANNEXURE – I*

**Office Appliances**

**1) Camera (Approx. Qty. – 1)**

DSLR D3000100 of Nikon model with lenses 18 – 55 mm VR Kit, DX format

**2) Camera (Approx. Qty. – 1)**

DSLR D3S of Nikon model, FX format with lenses 24 – 120 mm zoom

**3) Video camera (Approx. Qty. – 1)**

Sony make handycam video camera – (HDD, 240 GB), HD CAMORDER, 'Exmor R' CMOS Sensor, HDR – XR - 550E Model

**4) Water purifier (Approximate quantity – 3)**

Specification:

Electrically operated; Reverse Osmosis with Auto flush facility; In-built Voltage Stabiliser system; capacity – 7 – 8 liter. Branded make will get preference

## Chemicals and Glassware

### 5. Chemicals (details will be available in the Project Office during Office hours)

Sl. No	DESCRIPTION	UNIT
1.	CD3	30T
2.	CD4 (mAb- GC 50A1, Ig isotype -Ig M, Dilution- 1:250 )	30T
3.	CD8 (mAb- CACT80C, Ig isotype -Ig G1, Dilution- 1:1000 )	30T
4.	Mouse anti-human<smooth muscle actin	30T
5.	CD20 for B Cell	100ug
6.	CD32 for B Cell	100ul
	a. CD32 for B Cell	200ug
7.	CD16 for N.K. Cell	100ug
8.	CD64 for monocyte and macrophages	100ul
9.	CNA42 / D46 for dendritic cells	100ul
10.	S100 protein for dendritic cell	30T
11.	ABC Vecta stain ABC peroxidase kit Pk-4001 to 4010	1Kit
12.	3.3'diaminobenzidine tetra hydro chloride	5gm
13.	0.05% Phenyl hydrazine	
14.	Normal rabbit serum	
15.	CD2 (mAb- BAQ95A, Ig isotype -Ig G1, Dilution- 1:1000 )	
16.	MHC II (mAb- H42A, Ig isotype -Ig G2, Dilution- 1:10000 )	
17.	IgM (mAb- BAQ155A, Ig isotype -Ig G1, Dilution- 1:10000 )	
18.	Biotinylated rabbit antimouse Ig G ( Dilution 1:250 )	
19.	Human anticollagen IV monoclonal antibody	

### 6. Densitometer (approx. quity. - 1) Specification-

Light Source- Fluorescent White  
Wave Length- 400-750 nm  
Absorbance Range- 0-3.0 OD  
Operating Modes- Transmissive and reflective  
Scanning Area- 30x40 cm max  
Sampling Rate- 800x1600 dpi

Pixel Data Density- 12-bit

Resolution- 36.3um

Voltage- 100-240 V

Along with Compatible PC and Printer to be supplied locally.

### **7. Ultra Centrifugation (Floor Model) (approx. qty. - 1)**

#### **Specification-**

Speed-1, 00,000rpm, RCF-8, 03,000xg

Max capacity-6 x 230 ml

Self rotor locking mechanism

Timer 1 min to 99 hrs. and 59 minutes, with a HOLD function, with Real time control function.

High frequency IGBT controlled direct drive unit.

Fixed Angle Rotors:-

Capacity-1.5mlx24 and 12mlx8

### **8. Western Blot Apparatus Mini System (approx. qty. - 1)**

#### **Specification:**

Principal material : Acrylic

Buffer Volume : 350 ml.

Gel Size : 8 x 7 cm

### **9. Adaptor for attaching Canon DSLR Camera for Axiovert 25**

#### **Specification**

Photo adaptor 2.5 X T/2 Catalog No. 451256-0000-000 and T2 adapter for Minolta (SR-Baynot mount) 416003-0000-000

### **10. PCR Work Station**

#### **Specification**

Midi Model, Genei Make, Size 45 X 60 X 30

### **11. Microprocessor Based pH meter**

Standard quality for Laboratory Use

pH range 3.00 – 12.00

## ***ANNEXURE – III***

## **Furniture, Farm House and Accessories**

### **12. Hostel Furniture (Approximate quantity – 22 unit)**

Rate is asking for each unit of item including supplying and fixing, wherever required, having one steel cot, one steel wardrobe and bedding materials altogether considering as one unit as per following specification.

A. Steel Cot:

Size – 6.5' X 3' X 20"

Made of steel, 1.5" X 1.5" X 14<sup>th</sup> gangue tumbler pipe with six legs.

There should be one locker at the bottom of the cot having the size 36" X 36" X 14" of 20<sup>th</sup> gangue with middle partition and two doors including locking system.

Painted with powder coating. Black paint with top 10mm painted ply.

B. Steel Wardrobe:

Size - 48" X 30" X 18" of 20<sup>th</sup> gangue with one shelf and hanging arrangement on wall, double door with locking arrangement. Wardrobe should be painted with synthetic enamel paint.

One folding self having the size of 24' X 18" of 20<sup>th</sup> gangue on both side of the wardrobe with two clips for folding the selves.

C. Bedding materials:

(a) Mattress – 6.5' X 3' X 4" - No.1

(b) Mosquito net – fine quality – No. 1

(c) Pillow (foam made) – standard quality / size – No. – 1

(d) Bed Cover (cotton made) – Single size – Nos. – 2

(e) Bed Sheet (cotton made) – Single size – Nos. – 2

(f) Pillow cover (cotton made) – Single size – Nos. – 2

(g) Towel – large size – Nos. – 2

(h) Blanket – No. – 1

(i) Mattress – standard quality and size – No. – 1

### **13. Generator**

**(Approx. quantity required – 1 each and to be delivered at any project implementing site of West Bengal)**

(i) 10 / 15 KVA Radiator cooled Diesel Engine, 20 BHP at 1500 RPM. 20 KVA alternator. AC, 3 Phase, 415 volts, 50Hz, 1500 RPM Suitable control panel, fuel tank, base frame, coupling acoustic, battery (dry) with leads. ,with Standard Manual panel. Any Branded make and servicing facility will be preferred.

(ii) 20 KVA Radiator cooled, Diesel Engine 32 BHP at 1500 RPM. 20 KVA alternator. AC, 3 Phase, 415 volts, 50Hz, 1500 RPM Suitable control panel, fuel tank, base frame, coupling Acoustic Enclosure , battery (dry) with leads. ,with Standard panel. Any Branded make and servicing facility will be preferred.

(iii) 25 KVA Radiator cooled Diesel Engine 35 BHP at 1500 RPM. 25 KVA alternator. AC, 3 Phase, 415 volts, 50Hz, 1500 RPM Suitable control panel, fuel tank, base frame, coupling Acoustic Enclosure , battery (dry) with leads. ,with Standard panel. Any Branded make and servicing facility will be preferred.

**Rate is asking for each type of generator separately with delivery and installation charge**

## **14. AC machine**

(Approx. quantity required – 20)

1, 1.5, 2, 3, 5 ton window/split. Branded make will get preference. Rate is asking for each type of AC machine

## **15. Establishment of Vermicomposting pit**

Vermicomposting pits are to be established at the below mentioned areas with the following specifications.

### **Specification:**

- a. Shed – Size 12'(Length) X 6'(wide) X 8'(height at one side) / 6' (at one side).  
Structure supported by at least 4 cement pole  
Roof – Made by bamboo mash with plastic covering and bamboo thatch / mat  
Wall – Bamboo thatch / mat at 4 sides and a door facility at one side
- b. Bed – Made by plastic within the shed, Size – 10' (length) X 3'6" (wide) X 6" (height), height is to be covered by bamboo as barricade
- c. Green Matter – to be provided upto 8" and cow dung upto 18" height
- d. Worm – 100 grams of suitable / effective worm

### **Area:**

At Paschim Medenipur District – One / two pits at the specified area of Self Help Group at each Gram Panchayet of Keshiary, Khargarpur-I and Midnapur Sadar block. Approximate No. – 40. Specific location with name and address for establishing the pit will be provided during work order.

### **Terms and Condition:**

Live demonstrations are to be arranged on a specific prefixed date by the agency at every pit after establishing, where experts should demonstrate the process of vermicomposting to all the members of the Self Help Group

Payment will be made after producing the completion certificate for establishing the pit and demonstration from the SHG and duly authenticated by the BLDO.

Rate is asking separately for each pit.

## **16: Rural Poultry Housing**

### **Specification:**

**Size** (inside the room): 8' (L) X 5' (B) X 4' (H-side)/ 6' (H-centre)

**Floor:** (a) 2.5' height from the ground level with removable poultry ladder with 1.5' projection.

(b) Placing one side of the house at one side of the pond and another side at the land.

Height of the floor from the land at least 2.5' from the ground level with removable poultry ladder with 1.5' projection.

**Materials-** Low cost, locally available with black Japan painting (woods/bamboo etc.). Care should be taken for protection of rodent, snake etc.

**Wall:** Wire net/ chain linked net/ square net/ strong bamboo net of 3' height from the top on both side of front wall and back wall and the side wall also. The lower part of the wall (1' height)

should make up of locally available materials. There will be provision of screen for covering of netted part of the wall. Two doors at the front side. The doors will also be made by the same fashion as like wall. In the middle portion of the house one movable portion made by the similar materials having height 2' and length 5' will also be provided. All walls will be covered by nylon tread net.

*Materials-* Low cost and locally available (woods/ bamboos etc.). Care should be taken for protection of rodent, snake etc.

**Roof:** Both sides slanting with 2' outer projection from wall.

*Materials-* Tin (guage – mm) with strong insulated false ceiling facility. Care should be taken for protection of rodent, snake etc.

**Light / Heating Arrangement:** Facility for two light point (Electric bulb/ CFL) with separate switch. Arrangement of earthen pot with hanging arrangement or Kerosene lamp (harican) will be provided where electric facility is not persisting to the farmers' house.

**Feeder and Drinker:** Standard quality, 2L capacity, 2 nos. each.

**Egg Laying Nest:** Wide mouth two boxes earthen pot with bedding materials to be placed at 1' height from the floor.

**Board:** For mentioning the project name one suitable board to be hanged in front of house.

**Approximate Cost:** Within Rs.6, 000.00 (Rupees six thousand) only.

(Clear design & photograph is to be furnished with the quotation. Companies having experience in related furnishing are preferred)

**Rate is asking for –**

i) Howrah district (Approximate quantity required – 350)

ii) Kakdwip Block, South 24 Parganas district (Approximate quantity required – 250)

iii) Sagar Block, South 24 Parganas district (Approximate quantity required – 200)

## **17. Medium Size Incubator (Setter cum Hatcher)**

(Approximate quantity required – 6)

**Capacity:** 3200eggs

**Size:** 38"X 57"X 73" (Bottom less)

**Volt:** 220v

**Specification (Complete in all respect):**

- Setter egg set capacity (2400 egg) & Hatcher egg set capacity (800egg).
- Reinforced 3mm laminated body.
- Smooth Laminated interior walls.
- High Density Thermocol Insulation.
- Independent Turning system with timer.
- External control of Incubator Temperature/ Fan motors.
- Provision of Polythene plastic Hatch Basket.
- Floorless Hatcher's design, Improves loading and unloading.
- Contact Thermometer Temperature and Humidity control with alarm bell provision.

Dayal Branded make will get preference

**Warrenty:** One year from the date of installation / commissioning

**After sale service –** local agent of the brand manufacturer should get priority

**Essential spare kits** for the above setter and Hatcher

## **Construction Works**

### **18. Solar Power Project at the Poultry Breeding Farm Complex under RKVY, Mohanpur Campus, Nadia**

#### **SCOPE OF WORK:**

The scope of Work shall comprise of Designing, Engineering, Supply, Erection Commissioning and performance testing of 6 KW Off grid Standalone solar photovoltaic system with associated components. The broad scope of work under the contract will include the following:

- Optimum designing of solar power system to maximize the harnessing of available solar resources.
- Laying of earthing equipments/structures and connecting to the main ground mat as per the statutory requirements
- Supply and installation of SPV modules
- Supply and installation of structures suitable for mounting PV modules on flat concrete roof with the help of anchor bolt to be fixed on roof top
- Supply and installation of Grid Support Conditioner (GSC)
- Supply and installation of Battery Bank along with its accessories
- Supply and installation of all the materials along with accessories to connect the SPV modules to the GSC with all the protection required as per the statutory norms.
- To supply and install the interconnect panel for combining the GSCs at 220 V, 1 Phase AC system level, if more than one GSC is installed.
- Operation and maintenance manual of the complete installation
- Seven days training on operation and maintenance to the client's man power.

The technical and commercial terms mentioned in this Tender document shall also include the following civil work as part of the scope of work:

- Major work related to site preparation in terms of shifting of various service lines.
- Cost related to other fixing arrangements for that of structural frames etc.
- Cost related to segregating the emergency power consumption point supported by solar power / battery backup. The solar power will be terminated at the main distribution box.

\* WEBREDA empanelled bidder will get preference

#### **ELECTRICAL LOAD DETAILS:**

- i) Load of the Office Building - 1714 Watt / hour.

- ii) Load of the Guest House - 1229 Watt / hour.
- iii) For Boundary Lighting of Project Area:
- a) 11 W Solar Power Street Light - 15 Nos.
- b) 36 W Solar Power Street Light - 2 Nos.

**DELIVERY & INSTALLATION:**

Delivery and installation time is 4 months after receipt of Work Order, down payment and L/C.

**SUBSIDY:**

Solar Power Projects of such nature are eligible for a 25% Subsidy of the Total Project Cost from the Ministry of New & Renewable Energy, Government of India.

It shall be the responsibility of the Project Developer to arrange for the release of the eligible Subsidy to the Project from the authorities concerned.

**FINANCIAL DETAILS:**

**1. Techno-Commercial Details of Electrical Load of the ‘Office’ Building for Electrification by Solar Power (BOQ):-**

<b>Sl. No.</b>	<b>Description of Items</b>	<b>Unit</b>	<b>Qty. (Approx)</b>	<b>Rate (Rs.)</b>	<b>Total Amount (Rs.)</b>
1	Supply & Installation of 4000Wp SPV module 24V,125wp	Wp	4000		
2	Supply & Installation of Power Conditioning Unit (consisting of 3KVA Sine Wave Inverter + Charge Controller)	Nos.	1		
3	Supply & Installation of 24Volt 1000AH Battery Bank	Nos.	1		
4	Supply & Laying of 1C x 2.5Sq.mm Cu PVC Cable	Mtr.	200		
5	Supply & Laying 2C x 10Sq.mm Cu PVC Pipe	Mtr.	25		
6	Supply & Laying 1C x 25Sq.mm Cu PVC Cable	Mtr.	100		
7	Supply & Fixing of Module Mounting Structure for 32nos 125Wp modules	Set	1		
8	Supply & Installation of AC Distribution Board (Wall mounting type)	Nos.	1		
9	Supply & Fixing of 2 pole DC BCB & SFU for Array Line & Battery Isolation	Nos.	1		
10	Supply & Laying of Lightning Protection Equipment & Earthing.	Nos.	1		

11	Erection of hardware & Array J.B. and Main J.B.	Job	1		
12	Erection & Commissioning of 4 KWp Solar Power Plant	Job	1		
	<b>Total Project Cost</b>				

**1. Techno-Commercial Details of Electrical Load of the ‘Guest House’ for Electrification by Solar Power (BOQ):-**

<b>Sl. No.</b>	<b>Description of Items</b>	<b>Unit</b>	<b>Qty. (Approx)</b>	<b>Rate (Rs.)</b>	<b>Total Amount (Rs.)</b>
1	Supply & Installation of 1500Wp SPV module 24V,125wp	Wp	1500		
2	Supply & Installation of Power Conditioning Unit (consisting of 2KVA Sine Wave Inverter + Charge Controller)	Nos.	1		
3	Supply & Installation of 24Volt 400AH Battery Bank	Nos.	1		
4	Supply & Laying of 1C x 2.5Sq.mm Cu PVC Cable	Mtr.	200		
5	Supply & Laying of 2C x 6Sq.mm Cu PVC Pipe	Mtr.	25		
6	Supply & Laying of 1C x 25Sq.mm Cu PVC Cable	Mtr.	100		
7	Supply & Fixing of Module Mounting Structure for 12nos 125Wp module	Set	1		
8	Supply & Fixing of AC Distribution Board (Wall mounting type)	Nos.	1		
9	Supply & Fixing of 2 pole DC BCB & SFU for Array Line & Battery Isolation	Nos.	1		
10	Supply & Laying of Lightning Protection & Earthing	Nos.	1		
11	Erection of hardware & Array J.B. and Main J.B.	Job	1		
12	Erection & Commissioning of 2 KWp Solar Power Plant	Job	1		
	<b>Total Project Cost</b>				

**3. Street Lighting System powered by Solar Energy for Boundary Lighting of the Backyard Poultry Unit with area 600 X 250 ft (BOQ):-**

**3.1) 11 WP LED Based Solar Street Light with the following features:**

Automatic Dusk to Dawn Service with 3 Days Autonomous Back-Up  
Solar Module Capacity – 37 Wp  
Solar Battery Capacity – 40 Ah  
Pole, Battery Box, Mounting Structure and Installation.

**Quantity(approx.): 15 Nos.    Rate: Rs. .... per unit    Total: Rs. ....**

**3.2) 36 WP LED Based Solar Street Light with the following features:**

Automatic Dusk to Dawn Service with 3 Days Autonomous Back-Up

Solar Module Capacity – 150 Wp – 160 Wp

Solar Battery Capacity – 150 Ah – 160 Ah

Pole, Battery Box, Mounting Structure and Installation.

**Quantity(approx.): 2 Nos.    Rate: Rs. .... per unit    Total: Rs. ....**

**Total (1+2+3) = (Rs..... + Rs. .... + Rs. ....)    = Rs. ....**