

**OFFICE OF THE PROJECT DIRECTOR, LADAKH RENEWABLE ENERGY  
DEVELOPMENT AGENCY, LEH-LADAKH**

Website: [www.ladakhenergy.org](http://www.ladakhenergy.org), [www.leh.nic.in](http://www.leh.nic.in)

Tel: 01982-255773 Fax: 09182-258549



**TENDER DOCUMENT:**

For

**CONSTRUCTION OF BATTERY BANK ROOM/CONTROL ROOM OF 20 kWp  
SOLAR POWER PLANT AT VILLAGE LINGSHEDE (SITE 4), KHALTSE BLOCK  
STRICTLY AS PER THE SPECIFICATIONS OF LADAKH RENEWABLE ENERGY  
DEVELOPMENT AGENCY (LREDA), LEH**

- I.** To be submitted by 2:30 P.M on or before 20-06-2015 in the Office of the Project Director, LREDA-LAHDC, Leh
- II.** To be opened at 3.00 P.M on 21-06-2015 in the Office of Project Director, LREDA-LAHDC, Leh
- III.** Issued to:

M/s.

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(Tenderer)

Date of Issue of Tender: \_\_\_\_\_

Money Receipt No. \_\_\_\_\_ Date: \_\_\_\_\_

Amount: Rs. 1000/- Only

Signature of the Officer Issuing Tender Document

Prepared By:

**Ladakh Renewable Energy Development Agency (LREDA)**

**OFFICE OF THE DEPUTY COMMISSIONER/CEO-LADAKH AUTONOMOUS HILL  
DEVELOPMENT COUNCIL, LEH-LADAKH**

Website: [www.ladakhenergy.org](http://www.ladakhenergy.org), [www.leh.nic.in](http://www.leh.nic.in)

Tel: 01982-255773 Fax: 01982-258549

**NOTICE INVITING TENDER No. 05 of 2015**

For and on behalf of the Governor of J&K, sealed tenders affixed with Rs.5/= revenue stamps are invited from registered contractors for the construction of Battery Bank Room/Control Room of 20 kWp SPV Power Plant at Lingshed Village (Site 2), Khaltse Block.

S No.	Item	Particulars
1	NIT No.	NIT No. 05 of 2015
2	Particulars of Work	Construction of Battery Bank Room/Control Room of 20 kWp inclusive of fencing, gate, complete job
3	Cost of Works	Rs. 15.74 Lakhs
4	Time of Completion of Works	60 days (2 months from the date of opening of tender)
5	Price of the tender document	Rs. 1000/-
6	Earnest Money Deposit	Rs. 32,000/-
7	Period of Validity of Tender	6 months from the date of opening of tender
8	Last Date of Sale of Tender Document	19 June 2015

Last date of submitting the sealed tender forms is **20-06-2015 till 2:30 p.m.** Opening of the tenders will be on **21-06-2015 at 3.00 p.m in the Office of the Project Director/LREDA-LAHDC, Leh-Ladakh**

-Sd-

**Project Director,  
LREDA-LAHDC,  
Leh-Ladakh**

No: LREDA/LP/SPV/2015-16/

Dated: 29/05/2015

Copy to:

- 1) Project Director, LREDA-LAHDC, Leh for information
- 2) Assistant Director, Information, Leh for info, and with the request to get the NIT published in leading national, state and in local dailies
- 3) Accounts Officer, DC Office Leh, for information
- 4) Technical Director, NIC, with the request to put the NIT on official website
- 5) Senior Draftsman, LREDA-LAHDC, Leh for information

## CHECK LIST

To ensure that your tender submitted to *The Project Director, LREDA-LAHDC, Leh* is complete in all respects, please go through the following checklist & tick mark for the enclosures attached with your tender:

<b>S. No.</b>	<b>Description</b>	<b>Attached</b>	<b>Not Attached</b>
1	Earnest Money		
2	Tender Document Fee		
	The original document duly signed & sealed on each page, as a confirmation of acceptance of Terms & Conditions (T&C)		
4	A Copy of Contractor Registration		
5	Details of similar work done in last three years along with copies of the orders and certificates from the customers, their address phone/fax as per the Tender Evaluation Criteria and of the tender.		
8	Declaration of the supplier about any relatives working with LREDA-LAHDC, Leh.		
9	Deviations, if any, from the specifications, terms & conditions etc.		
10	Whether validity of your tender is confirmed as per the document.		

## UNDERTAKING OF THE TENDERER

I/We have read carefully and examined the Notice Inviting Tender, schedule, General Rules and terms and conditions of the contract, special conditions, Schedule of Rates and other documents and Rules referred to in the tender document for the supply.

I/We hereby tender my rates for the execution of the work for LREDA-LAHDC, Leh as specified within the time stipulated in the schedule in accordance with all aspects with the specifications, designs, drawings and instructions with such conditions so far as applicable.

I/We agree to keep the tender open for 6 months from the due date of submission thereof and not to make any modifications in its terms, conditions and rates.

A sum of Rs. \_\_\_\_\_ *in words* (\_\_\_\_\_) is hereby forwarded as earnest money and Rs.1000/- as document fee respectively in the form of crossed demand draft in favour of Project Director, LREDA-LAHDC, Leh. If I/We, fail to commence or complete the work ordered in specified time I/We agree that the LREDA-LAHDC, Leh shall, without prejudice to any other right or remedy, be at liberty to forfeit the said Earnest Money absolutely. The said Earnest Money shall be retained by LREDA-LAHDC, Leh towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be required by LREDA-LAHDC, Leh.

I/We hereby declare that I/We shall treat the tender documents, specifications and other records connected with the work as secret/confidential and shall not communicate information derived there-from to any person other than a person to whom I/We have authorized to communicate the same or use the information in any manner prejudicial to the safety of LREDA-LAHDC, Leh.

I/We shall abide to all the laws and shall be responsible for making payments of all the taxes, duties, levies and other Govt. dues etc. to the appropriate Govt. departments.

I/We shall be responsible for the payment of the respective taxes to the appropriate authorities and should I/we fail to do so, I/we hereby authorize LREDA-LAHDC,Leh to recover the taxes due from us and deposit the same with the appropriate authorities on their demand. **I also agree to not to claim any amount in advance before completing the work as per terms and conditions of tender.**

Dated:

Signature

Place:

Name of Tenderer with seal

Witness

Signature:

Name:

Postal Address:

**TENDER FORM**

The undersigned hereby tender and offer to LREDA-LAHDC, Leh to construct the battery bank room/control room and other civil works as per specifications of LREDA-LAHDC, Leh and works which are described or referred to in the Details of Technical Particulars attached to tender document and its enclosure and in Schedules to the side. Details of Technical Particulars, copies of which are annexed here to and which under the terms there of are to be supplied, executed and done by the contractor and to perform and observe the provisions and agreements or the part of the contract contained in or reasonable to be referred from the said tender documents for the same and at the rates sets out in Schedule-I annexed hereto.

The complete tender document is also enclosed herewith duly signed on every page by the undersigned.

Signed this .....day of .....2015.

Yours Faithfully,

TENDERER'S SIGNATURE (With seal)

TENDERER'S ADDRESS:

## **PART I – TECHNICAL BID**

### **I. Minimum Criteria for Bidding**

The bidder must have following minimum criterion for bidding:

- a. The bidder must have contractor registration card, copy to be enclosed.
- b. All the documents enclosed along with the tender document must be in English.

### **II. Experience of the Bidder**

A comprehensive list of past projects implemented indicating clients, dates, size of projects and any other relevant material should be included in the offer. Priority shall be given to bidders with past experience.

### **III. INSTRUCTIONS, TERMS AND CONDITIONS:**

- 1) The tender should be in three parts viz. Part I, Part II as described in Clause 2 below. These should be in separate envelopes duly super-scribed as Part I and Part II, NIT No. and due date. Sealed envelopes containing all the three parts should then be placed in a larger envelope, which should be sealed, and super-scribed by the given NIT No., due date and name of the tenderer.

#### **Clause 2**

- 2) **PART I:** - Part I of the tender should be super-scribed as “**Part I, Technical Details for NIT No 05 of 2015 (SITE 4 LINGSHED)**” and should contain

#### **Technical Details:**

- a) The bidder must have civil contractor registration card
  - b) The bidder must submit the undertaking/certificates for the works
  - c) The bidder must enclose the tender document duly signed and sealed on each page as confirmation of the acceptance of Terms and Conditions
- 3) **PART II:** Part II of the tender should be super scribed as “**Part II, Price Bid for NIT No 05 of 2015 (SITE 4 LINGSHED)**” and should contain the price bid for the product as per the bill of quantities & strictly as per the price bid format given in the NIT. The price quoted should be inclusive of all taxes.
  - 4) The tender should be addressed to **The Project Director, LREDA-LAHDC, Leh**. Both inner and outer covers duly sealed and superscribed and sent either under registered cover or cast in the tender box kept in the office of the **Project Director, LREDA-LAHDC, Leh**
  - 5) The tenderer shall ensure timely receipt of tender in the office of the **Project Director, LREDA-LAHDC, Leh**, the tenders received by hand or by post after due date of receipt of tenders shall not be entertained even if the tender has been posted/ dispatched much before the due date of receipt.
  - 6) The tenders will be opened on 21-06-2015 in the office of **The Project Director, LREDA-LAHDC, Leh**, on the date of opening of the tenders only the technical and the commercial parts (part-I) shall be opened in the presence of the tenderers who may be present, the price bid (part-II) shall be opened only in case of such tenderers who on scrutiny of part-I of their offer are found to have qualified for opening of the price bid

on the same day at the Deputy Commissioner's office or any other day at the discretion of the purchasing committee. In case the due date of opening of the tenders falls on a holiday being declared subsequently, the tenders will be opened on the next working day.

- 7) Tenders must be complete in all respects; all the terms and conditions of tender including the technical specifications should be carefully studied for the sake of submitting complete and comprehensive tender documents. Failure to comply with any of terms and conditions or instructions of the offer with insufficient particulars which are likely to render fair comparison of tender as a whole impossible may lead to rejection even if otherwise it is a competitive offer/tender.
- 8) Telegraphic tenders or the tenders of such tenderers who have not purchased tender document shall not be entertained. Any request by post or by hand or telegraphically for any modification addition or deletion etc. in the tenders shall not be considered.
- 9) The tenders shall be prepared in a formal manner with all quotations written both in figures & words. The tenders shall be typed or written in ink, any tender written by pencil shall be rejected. There shall be no erasures or overwriting and if corrections are made the same shall be neatly done and attested. A systematic form of totaling shall be adopted to avoid any ambiguity. The detailed description of the equipment offered shall be given Rank charge, if any shall be debited to the account of the tenderer.
- 10) The tenderer shall furnish an affidavit duly attested by notary that design of their equipment is free from legal encumbrances and that no legal case of any kind of litigation regarding the patent design is pending in any court of law.
- 11) No tenderer unless otherwise specified in these specifications, terms and conditions shall be exempted from depositing earnest money.
- 12) No claim shall be laid against the department either in respect of interest or depreciation in value for the amount of security deposit and or earnest money. In the case of bank deposits the department shall not be responsible for any loss on account of failure of the bank.

#### **IV. SPECIAL INSTRUCTIONS:**

- a) Tenders not submitted on the lines indicated above are liable to be rejected without any correspondence.
- b) Request for extension in last date of receipts of tenders shall be ignored.
- c) The purchaser reserves the right to order additional quantity or reduce the quantity of the material advertised at the time of placement of order for which the quoted rate shall be valid.
- d) All legal proceedings in connection with the order, tender will be subject to the jurisdiction of local court of Jammu and Kashmir State alone.
- e) The purchaser reserves the right to divide the order between two or more tenders for 100% achievement.
- f) In case of any doubt, dispute or differences arising out of the contract, the same shall be referred to the Finance Commissioner (Planning) and Ladakh Affairs Department, J&K Government for the decision under J&K State Arbitration Act.
- g) The purchaser shall not be bound to accept the lowest or any tender and reserves to itself the right of accepting the whole or a portion of any of the tender, as it may deem fit, without assigning any reason thereof.
- h) Any form of canvassing by the tenderers to influence the consideration of their tender shall liable to summary rejection.
- i) In order to avoid delay caused by postal correspondence and to expedite the process, the purchaser may require the successful tenderer to hold technical & commercial negotiations and convey the decision/acceptance on behalf of the tenderer, with the Purchase Committee.

- j) The condition hereafter deal with systems details and supplementary conditions of the contract in addition to those stipulated in foregoing clauses which along with schedules and annexure, shall be deemed to form part of detail specification for equipment. The tenderer are advised to study and familiarize themselves with the terms & conditions of the tender.
- k) The tenderer is required to submit a statement of facts in details as to their previous experience in performing a similar or comparably work and business and technical similar or comparable work and business & technical organization. Financial resources and manufacturing facilities available to be used in performing the contract.
- l) Force majeure clause shall apply.
- m) No other conditions except those mentioned above will be acceptable.
- n) Offers not complying with the delivery schedule shall be considered non responsive and shall not be evaluated
- o) Offers not providing clause by clause compliance shall be considered non responsive and shall not be evaluated
- p) Offers not submitted as per price bid format shall be considered non-responsive and shall not be evaluated,

#### V. EARNEST MONEY:

- a) Tenders shall be accompanied with the earnest money **Rs.32,000.00 (Rupees Thirty Two Thousand only)** in the form of CDR/FDR/DD pledged to the Project Director, LREDA-LAHDC, Leh.
- b) Tenders not accompanied with the required amount of earnest money will be rejected and their price bid shall not be opened.
- c) The earnest money of the tenderers shall be forfeited if they withdraw their tender or raise the prices of their offer within the validity period. The earnest money shall also be forfeited in case of the tenderers who do not comply with the purchase order placed on them within the validity period of the offer or violate any terms and conditions contained herein for this, purchase order shall be deemed to have been placed from the due date of letter of intent.
- d) Earnest money deposit shall be released in favour of the unsuccessful tender(s) within one month after the final acceptance of the tender.

#### VI. INSPECTION AND APPROVAL

- a) All Works embracing more than one process shall be subject to examination and approval. The Contractor shall give due notice to the Project Director or his authorized representative when each stage is ready. In default of such notice, the Project Director shall be entitled to appraise the quality and extent thereof.
- b) No Work shall be covered up or put out of view without the approval of Project Director or his authorized representative and the Contractor shall afford full opportunity for examination and measurement of any work which is about to be covered up or put out of view and for examination of foundations before permanent work is placed thereon. The Contractor shall give due notice to the Project Director or his authorized representative whenever any such work or foundation is ready for examination and the Project Director or his authorized representative shall without unreasonable delay, unless he considers it unnecessary and advises the Contractor accordingly, attend for the purpose of examining and measuring such work or of examining such foundations. In event of the failure of the Contractor to give such notice he shall, if required by Project Director, uncover such work at the Contractor's expense.
- c) Department officers concerned with the Contract shall have powers at any time to inspect and examine any part of the Works and the Contractor shall give such facilities as may be required for such inspection and examination.



## **VII. SUB-CONTRACTS:**

- a) The contractor shall not sublet any portion of the contract without the prior written approval of the Project Director, LREDA.

## **VIII. TAX:**

- a) The rates offered by the tenderer construction of civil works should be inclusive of all taxes, F.O.R. at the site.
- b) In case of failure to deliver in full the required work on order, the purchaser shall have the right to make a risk purchase at the cost of supplier and/or cancel the contract and claim reasonable compensation/damages. The contract of work shall be repudiated if the works are not made within the prescribed period and to the satisfaction of the purchasing officer.

## **IX. TIME OF COMPLETION:**

- a) The bidder shall indicate delivery time along with the offer and shall be mutually agreed at the time of order finalization.

## **X. VALIDITY:**

- a) The tender should be unconditionally valid for a period of six months from the date of opening of the tenders. The quoted price as such shall be firm and not variable with the market price. The rates approved as per the NIT year would be valid for further works during the validity period. Any tenderer revising the offer within the validity period, without prejudice to other remedies available with the department is likely to be blacklisted.

## **XI. PAYMENT SCHEDULE:**

- a) The Contractor shall submit all the bills on the Performa prescribed by the LREDA Engineer-in-Charge
- b) The payment due to the contractor shall be made within 30 days of the submission of the bill by the contractor and the measurements shall be verified by LREDA Engineer-in-Charge or his representative within 10 days of submission of the bill. The payment shall be made from the LREDA office.
- c) The bill shall not be entertained if the gross amount of the work done including secured advance payable is less than Rs. 5.00 Lacs except final bill.

## **XII. CANCELLATION OF THE CONTRACT (in full or in part)**

If the contractor:

- a) At any time makes default in proceeding with the works with due diligence and continues to do so after a notice in writing of 7 days from the Project Director. Or
- b) Commits default in complying with any of the terms and conditions of the Contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Project Director. Or
- c) Fails to complete the works on or before the date of completion and does not complete them within the period specified in a notice given in writing in that behalf by the Project Director.
- d) Shall offer or agree to give to any person in LREDA's service or to any other person on his behalf any gift or consideration of any kind as an inducement or reward for doing or for

bearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this Contract. Or

- e) Shall enter into a Contract with LREDA in connection with which commission has been paid or agreed to be paid by him or to his knowledge, unless the particulars of any such commission and the terms of payment thereof have previously been disclosed in writing to the Project Director. Or
- f) Assign, transfer, sublets or attempts to assign, transfer or sublet the entire Works or any portion thereof without the prior written approval of the Project Director, the Project Director may without any prejudice to any other right or remedy which shall have accrued or shall accrue thereafter to LREDA by written notice cancel the contract as a whole or only such items of work in default from the Contract.

The Project Director, LREDA shall on such cancellation have powers to:-

- g) Take possession of the Site and any materials, constructional plant implements, stores, etc. thereon,
- h) Carry out the incomplete work by any means at the risk and cost of the Contractor.
- i) On cancellation of the Contract in full or in part the Project Director shall determine, what amount if any, is recoverable from the Contractor for the completion of the Works or part of the Works in case the Works or part of the Works is not completed. In determining the amount, credit shall be given to the Contractor for the value of the work executed by him up to the time of cancellation, the value of Contractor's materials taken over and incorporated in the work, and use of tools and machinery belonging to the Contractor.

### **XIII. CONTRACTORS, REPRESENTATIVES, AGENTS AND WORKMEN:**

- a) The contractor shall employ only Indian Nationals and verify their antecedents and loyalty before employing them on the work. He shall ensure that no person of doubtful antecedent and nationality is in way associated with the works.

### **XIV. PENALTY:**

- a) In case of failure on the part of the tenderer to make supplies and execute the work in full, part thereof within the delivery schedule stipulated in the work order, penalty @ 0.5% per week of undelivered portion subject to a maximum of 15% of the cost of undelivered portion shall be levied.

### **XV. CHANGES:**

- a) No variation or modification or waiver of any of the terms and provisions of these specifications shall be deemed valid unless mutually agreed upon in writing by both the purchaser and the supplier.

### **XVI. SUSPENSION OF WORK:**

The contractor shall on receipt of the order in writing of the Engineer-in-Charge, suspend the progress of the work or any thereof for such time and in such manner as the Engineer-in-Charge may consider necessary for any of the following reasons.

- a) On account of any default on part of the Contractor, or
- b) For improper execution of the Works or part thereof for reasons other than the default of the Contractor, or

The Contractor shall during such suspension properly protect and secure the Works to the extent necessary and carry out the instructions given on that behalf by the Engineer-in-Charge.

#### **XVII. POWER SUPPLY**

- a) Electricity required for the work shall not be given by LREDA and same has to be arranged by the Contractor.
- b) No extra payment towards connection arranged shall be made by LREDA.

#### **XVIII. AGREEMENT:**

- a) The successful tenderer(s) shall be required to execute an agreement on a valid stamped paper for strict compliance of the terms and conditions of the contract, vis-à-vis the NIT and the supply order within seven days of placement of the order.
- b) Contractors tender including the letters of clarifications between the Contractor and LREDA prior to the award of contract shall form a part of the Contract Agreement.

#### **XIX. DRAWINGS (Refer to Annexure 1 for Drawings):**

-Sd-  
Project Director/  
LREDA-LAHDC  
Leh-Ladakh

**OFFICE OF THE PROJECT DIRECTOR, LADAKH RENEWABLE ENERGY  
DEVELOPMENT AGENCY (LREDA), LADAKH AUTONOMOUS HILL  
DEVELOPMENT COUNCIL (LAHDC), LEH**

**TENDER NOTICE No 05 of 2015:**

**WORK: “Civil Construction Works of 20 kWp SPV Power Plant Battery Bank Room/  
Control Room and other works in Lingshed Village (SITE 4), Khaltse Block, Leh  
District”**

**Form–II**

**Price- Bid**

**Name of Firm.....**

**Address .....**

.....

.....

**Date:.....**

**Quantity Schedule for Construction of Battery bank and Control Room for 20 KWP SPV system for Lingshed Village (SITE 4), Khaltsi under LREDA, Leh**  
 Advertised Cost Rs. 13.30 Lakh

<b>S No.</b>	<b>Particular of Work</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate to be quoted by contractor (Rs)</b>	<b>Amount (Rs)</b>
1	Earth work in excavation by manual means over areas (exceeding 30 cm and upto 1.5 m in depth, 1.5 m in width as well as 10 sqm in plan) including disposal of excavated earth, and lift upto 1 m, from cutting edge, disposed earth to be levelled and neatly dressed. Bulk and Trench	Cum	168.00		
2	Providing and laying in position Mud concrete of specified grade excluding the cost of centering and shuttering - all work up to plinth level. 5:8 (5 Earth: 8 Aggregate 40mm nominal size) Nallah	Cum	16.88		
3	Random rubble masonry with hard stone from quarry in foundation and plinth including levelling up with Mud concrete 5:8 (5 Earth: 8 graded stone aggregate 20 mm nominal size) at plinth level with Mud mortar.	Cum	45.76		
4	Supplying and Filling in plinth with fine sand under floors including, watering, ramming consolidating and dressing complete.	Cum	6.33		
5	Providing woodwork in frames of doors, window, clerestory windows and other frames, wrought framed and fixed in position - first class kail wood	Cum	1.54		
6	Providing and fixing panelled or panelled and glazed shutters for doors, windows, and clerestory windows including ISI marked black enamelled M.S. butt hinges with necessary screws, excluding panelling which will be paid for separately - 30 mm thick 1 <sup>st</sup> class kail wood	Sqm	34.24		
7	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for door, windows, and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled glazed shutters, 30 mm 1 <sup>st</sup> class kail wood	Sqm	26.03		
8	Fixing glass panes, with wooden fillets wherever necessary , glass panes weighing	Sqm	14.24		

	10kg/ sqm				
9	Providing hoisting and fixing trusses/purlins/rafters/post-plates or like component of 1 <sup>st</sup> class budloo/fir wood including cost of screws etc. complete	Cum	5.16		
10	Providing and fixing on wall face unplasticised- Rigid PVC rain water pipes conforming to IS : 13592 Type A including joining seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. i. Single socketed pipes, 75mm Dia	M	35.02		
11	15mm cement plaster on the rough side of single or half brick wall finished with a floating coat of neat cement of mix. 1:4	Sqm	24.51		
12	Rough cost Mud plaster mixed with bhusa @35kg/Cum of earth , outside.	Sqm	181.20		
13	15mm Mud Plaster using bhusa @35kg/Cum of earth and finished with a coat of gobri leaping, inside rooms.	Sqm	133.39		
14	White Washing With lime to give an even shade. New work (three or more coat)	Sqm	181.20		
15	Distempering with dry distemper of approved brand and manufacture (two or more coats) and of Required shade on new work, over and including priming coat of whitening to give an even shade	Sqm	158.62		
16	Applying priming coat with ready mixed pink or grey primer of approved brand and manufacture on wood work	Sqm	258.12		
17	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. Two or more coats on new work	Sqm	258.12		
18	Providing and laying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centring, shuttering and finishing. 1:2:4( 1 cement: 2 Coarse: 4 Graded Stone Aggregate 20mm nominal size. Nallah	Cum	0.5		
19	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. layers not exceeding 20cm in depth, consolidating each deposit layer by ramming and watering lead upto 50m and lift upto 1.5m.	Cum	25.76		

20	Providing and fixing aluminium tower bolts, ISI marked (anodized anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete: in aluminium frames/shutters Doors 250 X 10 mm Windows 100 X 10 mm	Nos. Nos	2 54		
21	Providing and fixing aluminium pull bolt lock anodised ISI marked ( anodic coating not less than grade AC 10 as per IS : 1868) Transparent or dyed to required colour and shade with necessary screws etc. complete	Nos	2		
22	Providing and fixing aluminium handles ISI marked anodised ( anodic coating not less than grade Ac 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws. Complete Doors 125 mm Windows 100 mm	Nos Nos	4 53		
23	Providing and fixing aluminium hanging floor door stopper ISI marked anodised( anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete Single Rubber Stopper	Nos	2		
24	Providing and fixing aluminium casement stays ISI marked anodised ( anodic coating not less than grade Ac 10 as per IS : 1868) transparent or dyed to required colour of shade with necessary screws etc. complete	Nos	54		
25	Providing and fixing nickel plated M.S pipe curtain rods with nickel plated brackets. 20mm Dia (heavy type)	M	21.04		
26	Providing 40 X 5mm flat iron hold fast 40 cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30 X 10 X 15 cm 1:3:6 mix ( 1 Cement : 3 Coarse sand : 6 Graded Stone aggregate 20mm nominal size)	Nos	87		
27	Carriage of cement by mechanical transport for 158 KM from Leh to end of motarable road including loading , unloading and stacking	Tonne	0.468		
28	Carriage of Timber by mechanical transport for 158 KM from Leh to end of motarable road including loading , unloading and stacking	Cum	12.8		

29	Carriage of cement by manual labour for 58 km from road end to site of work including loading, unloading and stacking	Tonne	0.468		
30	Carriage of Timber by manual labour for 58 km from road end to site of work including loading, unloading and stacking	Cum	12.8		
31	Carriage of Sand and aggregate by manual labour for 10 KM from road end to site of work including loading, unloading and stacking	Cum	14.35		
32	Carriage of stone/ boulders by manual labour for 2 KM from road end to site of work including loading, unloading and stacking	Cum	44.49		
<b>NON- SCHEDULE ITEMS.</b>					
33	Sun dried brick masonry in mud motar in super structure complete, including carriage of brick upto side of work	Cuft	2608.67		
34	Providing and fixing popular round ballies 6 inch dia For joist.	Rft	779.88		
35	Providing and fixing Talboo on ballies to rest mud pushka on, with 6inch overlap	Nos	4683		
36	100mm thick mud pushka of damped brick earth on yagzase grass laid to slope on roof consolidated and plastered with 25 mm thick mud mortar mixed with bhusa at 35kg/cum of earth and gobri leaping with mixed 1:1( 1 clay : 1 cow dung) complete	Sqm	82.91		
37	Providing and fixing thermocol 50mm thick in walls and floor including carriage upto site	Sqft	2934.58		
38	Providing and laying of polythene sheet as water barrier in floor , including carriage upto site	Sqft	596.3		
<b>TOTAL FROM ITEM 1 TO 38 RS</b>					
<b>(GRAND TOTAL) Rs.</b>					

**Seal & Sign  
Contractor**



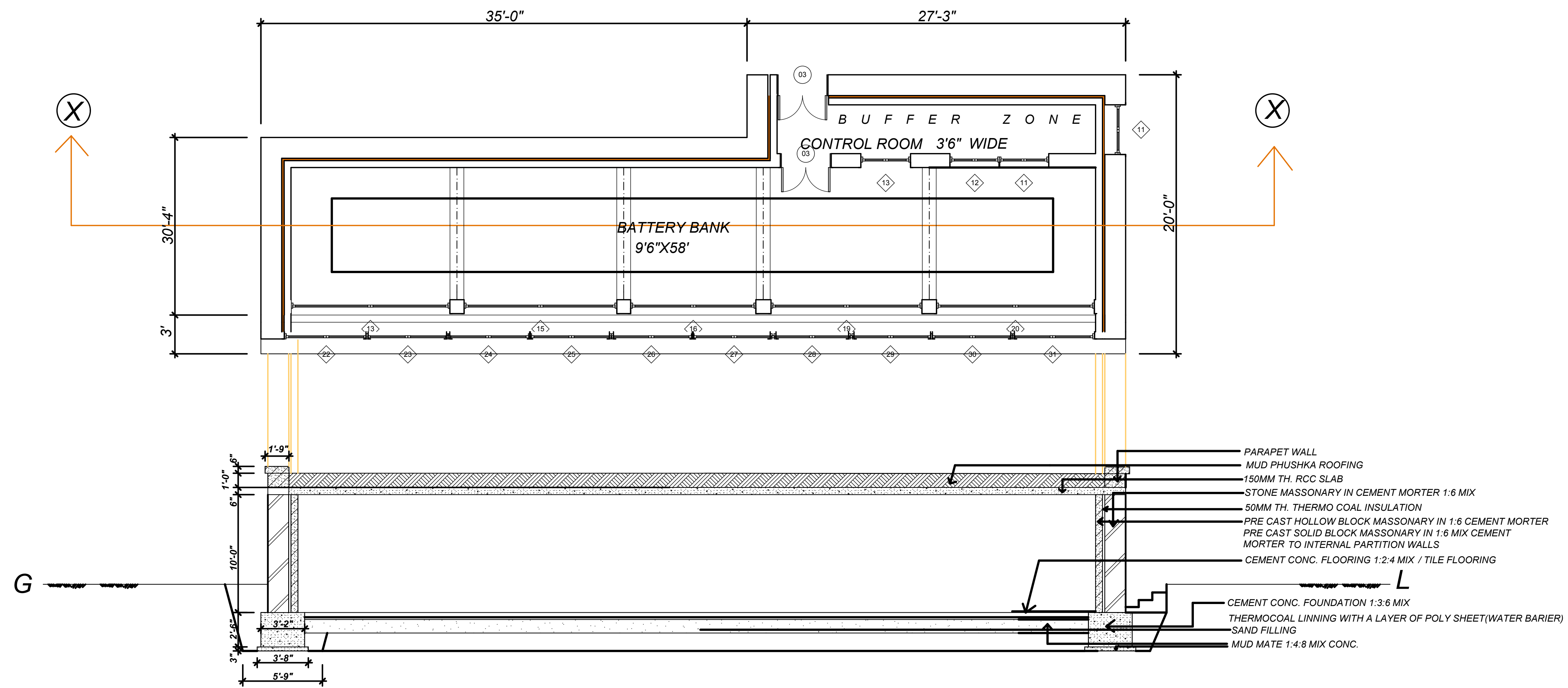
**Construction of Compound Walling around SPV Solar Power Plant**

Advertised Cost: Rs. 2.44 Lakhs

<b>S No.</b>	<b>Particulars</b>	<b>Specification/ Quantity</b>	<b>Rate</b>	<b>Amount</b>
1	Earth work in excavation by manual means over areas (exceeding 30 cm and upto 1.5 m in depth, 1.5 m in width as well as 10 sqm in plan) including disposal of excavated earth, and lift upto 1 m, from cutting edge, disposed earth to be levelled and neatly dressed. Bulk and Trench	Size of Trench = .50 m X .60 m X 132 m  <b>(39.6 cum)</b>		
2	Providing and laying in position Mud concrete of specified grade excluding the cost of centering and shuttering - all work up to plinth level. 5:8 (5 Earth: 8 Aggregate 40mm nominal size) Nallah	Bed Concrete = .50 m X .10 m X 132 m  <b>(6.6 cum)</b>		
3	Random rubble masonry with hard stone from quarry in foundation and plinth including levelling up with Mud concrete 5:8 (5 Earth: 8 graded stone aggregate 20 mm nominal size) at plinth level with Mud mortar.	RR = .50 m X .50 m X length  <b>(33 cum)</b>  .45 m X .45 m X length  <b>(26.73 cum)</b>		
4	Providing and Fixing of Wooden Gate 10'-0" X 8'-0" X 0-6", complete job	<b>1 Nos.</b>		
5	Carriage of stone aggregate 40 mm and down gage nominal size from source to site of work (4 km)	<b>5.874 cum</b>		
	<b>UNSCHEDULED ITEMS</b>			
7	Sun dried brick masonry in mud mortar in super structure complete, including carriage of brick upto side of work	Masonry Wall Size = 1 ft. X 5 ft. X length (ft.)  <b>(2165 cum)</b>		
			<b>TOTAL (Rs.)</b>	
<b>(GRAND TOTAL) Rs.</b>				

**Signed and Sealed,  
Contractor**

**ANNEXURE 1: Drawings of 20 kWp SPV Power Plant Battery Bank Room/Control Room  
and other works**

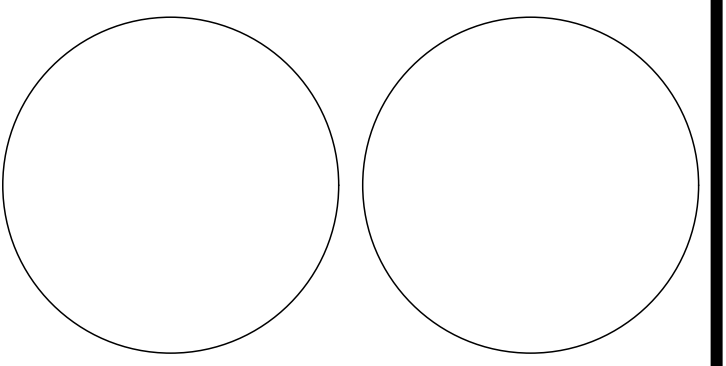


SEC. X-X

CONTROL ROOM AND BATTERY ROOM FOR 19 ; 26 ; AND 31 KV SPV SYSTEM

PLINTH AREA = 1013 SQ.FT.

CONSULTANTS



#Project Name

#Street  
#City, #State/Country #Post

#Client

MARK	DATE	DESCRIPTION

PROJECT NO:  
MODEL FILE:  
DRAWN BY:  
CHK'D BY:  
COPYRIGHT

SHEET TITLE

#Layout Name

#LayID

SHEET #LayNo OF 7

