

NOTICE INVITING TENDER
ADVERTISED TENDER ENQUIRY

GOVT OF INDIA, MINISTRY OF HOME AFFAIRS

Tender No. VIII.11014/7089/AMC/Engr-2020/23 Sect

Dated : 13 Nov 2020

Director General Assam Rifles, on behalf of the President of India, Invites e-tenders for the “**Conversion of Off-Grid inverter into On-Grid Inverter incl AMC for 02 x 100 KWP Solar Power Plant at AR Bn Serchip & Lunglei, HQ 23 Sector Assam Rifles**” from eligible MNRE Channel Partners/Assam Rifles, Registered/Eligible Bidders as per tender conditions.

Date of uploading in CPP Portal : 13 Nov 2020.
Last date and time of receipt of online tender : 26 Nov 2020 at 1200 hrs.
Date and time of online tender opening : 27 Nov 2020 at 1200 hrs.
*Earnest Money : Rs. 1,78,000/-
*Tender Fees : Rs. 1000/- (In favour of Establishment Officer,
HQ DGAR, payable at SBI, Laitkor)

*** To be deposited within 06 days of date of uploading of tender at HQ DGAR Laitkor, Shillong by the bidder ie by 03 Dec 2020. If the Tender Fees and EMD are not received within the stipulated time frame bid will be deemed as incomplete and will be liable for rejection**

Note : The complete tender documents can be accessed & downloaded from CPP Portal <http://eprocure.gov.in/eprocure/app> Please check regularly the website for any changes/modification /amendment in the Tender Enquiry. This Tender Enquiry is being issued with no financial commitment and DGAR reserves the right to change or vary any part thereof at any stage. He also reserves the right to withdraw the Tender Enquiry, should it become necessary at any stage.

MNRE Channel Partner/ Assam Rifles, Registered/Eligible Bidders are advised to ensure that their tenders are complete in all respects, all documents have been filled in and all supporting documents are uploaded only in CPP Portal <http://eprocure.gov.in/eprocure/app>. **Change of format of Tender Enquiry / incomplete tender enquiry will be become invalid and are liable to be rejected.**

Model Certificate for Tenders for Works involving possibility of sub-contracting. I have read the clause regarding restrictions on procurement from a **supplier of a country which shares a land border with India and on sub-contracting to contractors from such countries**; I certify that this supplier is not from such a country or; if from such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that this supplier fulfills all requirements in this regard and is eligible to be considered. [Evidence of valid registration by the Competent Authority shall be attached].

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

INVITATION TO ONLINE TENDER**GOVT OF INDIA, MINISTRY OF HOME AFFAIRS
DIRECTORATE GENERAL, ASSAM RIFLES
ENGINEER BRANCH, SHILLONG-10**

Tender No. VIII.11014/7089/AMC/Engr-2020/23 Sect

Dated : 13 Nov 2020

1. For and on behalf of the President of India, the Directorate General Assam Rifles, Shillong invites online tenders under Two Bid System (Technical and Financial Bid) on the prescribed form, for **“Conversion of Off-Grid inverter into On-Grid Inverter incl AMC for 02 x 100 KWP Solar Power Plant at AR Bn Serchip & Lunglei, HQ 23 Sector Assam Rifles”** from eligible MNRE Channel Partners/ MNRE program implementer (PSUs)/Assam Rifles Registered / Eligible Bidders.
2. Eligible MNRE Channel Partners / Assam Rifles, Registered/ Eligible bidders, who are in a position to undertake the AMC of 100 KW Solar Power Plant in accordance with the requirements stated in the attached schedule to tender, should be fill in and submit / upload complete tender through e-Procurement site <http://eprocure.gov.in / eprocure / app>.
3. **Signing and uploading of the duly filled tender document will be considered as acceptance of the tender/contract terms and conditions.**
4. You are requested to study the tender document completely and ensure all documents pages and annexure to the tender are completely and correctly filled in and stamped wherever applicable then scanned and uploaded on CPP Portal. **No change in format of Appendix/Tables/Certificates is permitted if any change is found the bid will become invalid and liable to be rejected.**
5. This online Tender is **NOT** transferable.
6. This tender enquiry has the following chapters and appendices:-

<u>Schedule To online Tender</u>			Page No.
1.	Chapter I	Instructions to Bidder	Page 02-11
2.	Chapter II	Schedule of Requirement	Page-12
3.	Chapter III	Technical Specifications	Page-13
4.	Chapter IV	Performa for compliance to specifications	Page- 14
5.	Chapter V	Standard Forms to be uploaded by bidders	
a.	Appendix-1	Performance Statement for solar works	Page-15
b.	Appendix-2	Certificate to be signed by tenderer	Page-16
c.	Appendix-3	Performa for “e-payment”	Page-17
d.	Appendix-4	Non Black Listing Certificate	Page-18
e.	Appendix-5	Guarantee/ Warranty Certificate	Page-19
f.	Appendix-6	Undertaking for no use of undue influence	Page- 20
g.	Appendix-7	Bank Guarantee Format for furnishing Earnest Money Deposit (EMD)	Page-21
h.	Appendix-8	Financial Stability Certificate	Page-22
j.	Appendix- 9	Site Visit Report	Page-23
k.	Appendix -10	Certificate for Site Visit.	Page-24
l.	Appendix-11	Model Certificate for tenders	Page-25
m.	Appendix-12	Price Schedule (BoQ)	Page 26-28

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& Stamp

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CHAPTER-I
INSTRUCTIONS TO BIDDER
(THIS TENDER SET IS NOT TRANSFERABLE)

7. All Tender documents attached with this invitation to tender including the specifications are SACROSANCT for considering any offer as complete offer, it is therefore important that Tender Acceptance Letter which is a written undertaking containing all the terms and condition of the tender are understood, accepted, signed scanned and submitted only through e-procurement site <http://eprocure.gov.in/eprocure/app>.

8. Tenderer is advised to carefully go through all the conditions and documents attached with this tender enquiry, before uploading the tender.

9. **All tender documents must be duly completed, signed by authorized signatory on each page scanned and uploaded.**

10. Tenderer must ensure this complete set is signed on each page scanned and uploaded with their offer, as it is, without any modification / alteration. **Any changes in the format of the Appendixes / Tables / Certificates of the Appendixes of Chapter V is not acceptable and the bid will be become invalid and liable to be rejected.**

11. In case of any difference between the conditions mentioned in schedule to tender and the specifications / QRs, the condition and given in the specifications will be binding.

12.	Name of work	: “Conversion of Off-Grid inverter into On-Grid Inverter incl AMC for 02 x 100 KWP Solar Power Plant at AR Bn Serchip & Lunglei, HQ 23 Sector Assam Rifles”
13.	Tender Fees	: Rs. 1,000.00
14.	Earnest Money	: Rs 1,78,000.00
15.	Date of issue/publishing	: 13 Nov 2020.
16.	Document download Start Date	: 14 Nov 2020 at 1000 hrs.
17.	Document download End Date	: 21 Nov 2020 at 1400 hrs.
18.	Last date & time for uploading of online tender	: 26 Nov 2020 at 1200 hrs.
19.	Date and Time for opening of online Tender	: 27 Nov 2020 at 1200 hrs.
20.	Submission of Tender Fee & EMD.	: As per instructions in para 13, 14, 28 and 51 (I)

21. A power of attorney in favor of signatory and signatories or the tenderer in case the tender is signed by a person or persons other than the actual tenderer or on behalf of a firm company and his / her / their signature attested by Notary / Class I Gazetted Officer.

22. **Scanned copy of Pan Card to be uploaded** for verification of the signatures of the Authorized Signatory / Proprietor for the firm who has signed the tender documents. **Full name and status of the person signing the tender documents must be clearly mentioned in the tender.**

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23. **Quotation of Rate / Rates:** The **quoted amount will be including GST**. No extra charges / taxes over and above the quoted rate in any form will be borne by the Department. The rate quoted will be firm and final, no amendment / alternation to the rate quoted in the tender will be accepted at a later date. No representation will be entertained for change in tenderer's name quoted or any other alternation in respect of any of the contracted articles / goods during the currency of the contract or if any fresh duty or tax is levied. Conditional discounts if any will not be considered and have no effect on the evaluation of tenders. (Appx- 4 of chapter V)

Compensation.

24. The successful tenderer will be intimated by a letter of acceptance of his / her / their tender by the Directorate General Assam Rifles. Till then no tenderer has any right to assume that his / her / their tender has been accepted and if any tenderer disregards this warning and makes any arrangements or ensure any expenditure in anticipation of issue of letter of acceptance, he / she / they will have no claim whatsoever for any compensation at a later stage.

Maint Period.

25. AMC is for 12 months. However period can be extended based on the requirement and no increase in the rate will be accepted.

Payment.

26. **Payment Terms.**

(a) It will be mandatory for the Bidders to indicate their Current Bank Account numbers and other relevant e-payment details so that payments could be made through ECS / NEFT mechanism instead of payment through cheques, wherever feasible. A copy of the model mandate form prescribed by RBI is to be submitted by Bidders for receiving payments through ECS is attached. The requirement is mandatory incomplete / partially filled forms will not be entertained and bid is liable to be rejected.

(b) Amount of stores supplied will be paid on production of bills along with inspection note and purchase vouchers duly verified and signed by **User & SO1 (Wks)** of concerned Sect HQ / IGAR.

(c) 25% of the amount of AMC will be paid at the end of quarter (three months) on production of bills duly signed by **User & SO1 (Wks)** of concerned Sect HQ / IGAR.

(d) The last 25% payment will be payable after completion of the 12 months AMC period.

(e) Payment will be made through "e-payment" only. All firms are required to fill up the Performa attached with this tender and get it **duly endorsed from concerned bank** and submit with the tender.

Signature of the Tenderer
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For Chief Engineer

27. **Paying Authority.**
Pay & Account Office Assam Rifles
(Old DGAR Complex)
Laitumukhrah, Shillong – 793011
28. **Earnest Money Deposit.** Rs 1,78,000.00
29. **Extension of Validity & Earnest Money.** Not applicable.
30. **Security Deposit.**
- (a) 5% of the contract amount.
 - (b) Security deposit in the form of Account payee demand draft or Fixed Deposit Receipt from a commercial bank.
 - (c) Security deposit validity should be up to 03 months beyond general defect liability period of 01 year.
 - (d) **Forfeiture of Performance Security Money.** Cancellation of the AMC due to fault of the service provider or not adhering to the terms / conditions of contract.
 - (e) **Release of Performance Security Money.** 01 Year after completion of the AMC/defect liability period /Guarantee/Warrantee period.
31. **Offer Validity.** 03 months (90 Days) from date of tender opening. In the absence of any indication in the tender documents submitted, of the date up to which the offer has been kept valid, it will be taken that the offer will remain open for acceptance for the period specified in the Schedule to Tender.
32. Director General, Assam Rifles, reserve the right to cancel / reject any or all the tenders without assigning any reasons.
33. **Clarification on Specifications/QR.** In case any prospective bidder requires clarification(s) on technical specifications / Qualitative Requirements (QR), the same is to be submitted on line. No change in price or substance of the bid will be sought, offered or permitted. No post-bid clarification on the initiative of the bidder will be entertained.

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SO-1 (Wks)
For Chief Engineer

34. **SAMPLE CLAUSE.**

(a) Item Samples : As specified or as per installed at site / sites.

(b) Advance item Samples : As per para 34 (c)

(c) **Instructions w.r.t the tendered items to be supplied and fixed:**

(i) If called for in Tender, or asked for during tender evaluation, the bidder must submit complete and full Tender Samples with complete accessories as required / offered.

(ii) Each sample must have a card affixed to it giving particulars of (a) Firms name and address (b) Tender number duly laminated.

(iii) Tenders must ensure that the items supplied and fixed submitted by them fully and completely meet the QRs / Specifications as per tender / master sample.

(iv) It will be the sole responsibility of the tenderer to make arrangements to submit the items and ensure items reach the concerned authority and are fixed accordingly.

(v) No assistance or documentation needed for submission of tender samples except what is stated in Tender Enquiry will be provided. It will be DG Assam Rifles / Competent authority on his behalf discretion to accept or reject any written request in this regard, on merits.

(vi) The cost and freight for sending tendered items will be borne by the tenderer and there will be no obligation on the part of the receiving officer / purchaser for their safe custody. In case tendered items are received after the laid down date and time for receipt, as mentioned in tender enquiry or specified later in writing, shall be rejected / ignored.

(vii) The DG Assam Rifles / Competent Authority on his behalf reserves the right to extend the date of submission of tender sample as per merit.

35. **Sampling and Inspection Criteria.** The tendered items will have to abide by the sampling and inspection criteria formulated by the purchaser.

36. **The Purchaser** : The President of India

37. **Inspection Authority** : The Director General, Assam Rifles
HQ DGAR, Shillong -10

38. **Inspection Officer** : Board of Officers at Consignee's location.

39. **Stores required at** : Consignees **location**

40. **Delivery of Stores.** Responsibility for correct delivery of stores at the consignee location will be that of the successful bidder.

41. **Guarantee / Warranty Terms.** If not specified in QRs / specification. Minimum **twelve months warranty required.** Warranty period will start from the date of completion of the AMC. In case stores / part of stores are found defective / damaged during inspection after delivery to consignee, the suppliers will replace or repair the store under warranty at consignee's location in India free of cost and thereafter will be allowed to lift the rejected stores.

42. **Rejected Stores.** If the appointed contractor fails to remove the bad / damaged / rejected stores of above items whatever the case may be from sites / location where installed, within the reasonable period i.e. 45 days from the date of issue of letter to contractor, the Director General Assam Rifles or his representative shall dispose off the rejected stores without assigning any further notice and no claim whatsoever will be entertained from the tenderer at any later stage.

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For Chief Engineer

43. **Liquidated Damages.** In case the firm does not complete the repair and replacement of defective materials within one week of reporting the defect or complaint, period liquidated damages will be charged @ 0.5% per week or part thereof the total value of stores upto a maximum of 10% of the tendered amount. **If the qualified & technically sound engineer does not visit the site each month, 1% of the CA amount will be deducted.** The rate of LD can be varied at the discretion of Competent Authority depending on reason thereon.

44. **Token Liquidated Damages.** Token liquidated damages up to 10% of the normal maximum liquidated damage amount may be imposed at the sole discretion of the purchaser in case of delay in delivery by the supplier other than **circumstances beyond supplier's control as per the discretion of Competent authority.**

45. **Purchase at the Risk and Expense.** In case of rejection of the stores / item by the Consignee / HQ DGAR or in case of neglect, failure or delay on the part of the tenderer to carry out the subject work, HQ DGAR may without prejudice to any other action which the department may take under the terms of the contract

(a) HQ DGAR will be at liberty to get the work / remaining work executed at the risk and expense of the tenderer.

(b) Any amount (which may include transportation and other incidental charges) incurred in excess of the contracted amount shall be borne by the contractor or recovered from his security deposit and / or from any amount which may be due to him by the Directorate General Assam Rifles.

(c) The right to risk and expense execution of work under this clause will entitle right to right to get executed the work after expiry of scheduled time of completion or replacement of unfit stock, without any warning or further information to contractor.

(d) The risk and expense purchase will be made by Chief Engineer Assam Rifles.

46. **Option Clause.** The user, in this case Assam Rifles, reserves the right to increase / decrease the qty by 10% at the rates quoted by the successful tenderer at the time of placement of contract or during the period of the AMC or during the period of the contract.

47. **Fall Clause.**

(a) The Bidder undertakes that he has not supplied / is not supplying the similar item / equipment at a price lower than that offered in the present bid in respect of any other Ministry / Department of the Government of India any if it is found at any stage that the similar item / equipment was supplied by the vendor to any other Ministry / Department of the Government of India at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the Bidder to the Buyer, if the contract already been concluded.

(b) The Bidder shall strive to accord the most favored customer treatment to the Buyer, in this case Assam Rifles, in respect of all matter pertaining to the present case.

48. **Force Majeure Clause.** If at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligation under this contract shall be prevented or delayed by reason of war / hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lock outs or Act of God (hereinafter referred to "event") provided, notice of the happening of any such event is given by either party to the other within 24 days from the date of occurring thereof, neither party shall be reason of such event, be entitled to terminate this contract nor shall either party may at its option terminate the contract provided also that if the contract is terminated under this contract is prevented or delayed by reasons of any such event for a period exceeding 60 days, either party may at its option terminate the contract provided also that if the contract at a price to be fixed by the Purchaser, which shall be final all unused, undamaged and acceptable materials, brought out components and stores in course of manufacture in the possession of the contractor at the time of such termination or such portion thereof as the purchaser may deem fit excepting such materials, bought out components and stores as the contractor may with the concurrence of the purchaser elect to retain.

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

49. **Purchase / Price Preference Clause.** The user, in this case Assam Rifles, reserves the option to give a Purchase / Price preference to the offers from MNRE program implementer Public Sector Units (PSU) over those from MNRE channeled partners firms in accordance with Govt. policies as amended up to date.

50. **Jurisdiction & Arbitration.** This tender and subsequent contract if any are subject to the jurisdiction of Indian Laws and Courts at the place of issue of the schedule. In the event of any question dispute or difference arising under these conditions or any special conditions of contract, or in connection with this contract (except as to any matters the decision of which is specifically provided for by these special conditions), the same shall be referred to the Sole Arbitration of the Director General Assam Rifles or some other person appointed by him. There will be no objection that the Arbitrator is a Government Servant, that he had to deal with the matters in which the contract is related or that in the course of his duties as Government Servant he has expressed views on all or any of the matters in dispute or difference. The award of the Arbitrator shall be final and binding on the parties to this contract. Further that all disputes arising out of the contract. **Shillong Court shall have exclusive jurisdictions.** The tenderers submitting the tenders shall render a certificate to have agreed to this clause.

51. **Submission Of The Proposal.** Bidders are required to submit their offers as under :-

- (a) Tender documents duly completed, signed and stamped on each page (Scanned copy only).
- (b) A power of attorney in favor of signatory and signatories or the tenderer in case the tender is signed by a person or persons other than the actual tenderer or on behalf of a firm / company duly attested by Notary / Class I Gazetted Officer.
- (c) GST registration certificate issued by concerned authority must be produced of last qtr upto Mar 2019 with supporting PAN No / TIN No alongwith copies of PAN Card..
- (d) Compliance to specifications if applicable as per format given in Chapter IV.
- (e) Performance statement of the firm in last 03 years (**Solar Works**) as per **Appx- 1 of chapter-V.**
- (f) Certificate for acceptance of terms and conditions as per **Appx -2 of chapter-V.**
- (g) Performa for e-payment as per **Appx- 3 of chapter-V.**
- (h) Non Blacklisting certificate as per **Appx-4 of chapter-V.**
- (j) Warranty / Guarantee certificate as per **Appx-5 of chapter-V.**
- (k) Undertaking for no use of undue influence as per **Appx-6 of chapter-V.**
- (l) Bank Guarantee for submitting the earnest money as per **Appx-7 of chapter V** and as per para 14.
- (m) Financial Stability Certificate as per **Appx-8 of chapter V**
- (n) Site visit report as per **Appx-9 of Chapter V.**
- (o) Certificate for Site visit **Appx – 10 of Chapter V**
- (p) Bidders are to note that submission of financial bids be done in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the coloured (unprotected) cells with their respective financial quotes and other details viz. name of bidder. No other cell should be changed. Once the details have been completed, the bidder should save it and submit it online without changing the file name. If the BoQ file template is found to be modified by the bidder, the bid will be considered invalid and liable to be rejected. **Appx-11 of Chapter V**
- (q). If the format of Tables / Certificate of the Chapter V have been modified the bid will become invalid and liable to be rejected.

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

(r) The cost is to be indicated for each item and it should be the landed cost of item, inclusive of freight, servicing, packing and installation charges and GST, as applicable besides all other B/R and E/M related works.

(s) Tenders should quote the rates both in words and figures in the online tender from available at www.eprocure.gov.in for each variety. In case of variation in rate quoted in words and in figures, the quoted rate in words will be considered as valid.

52. **Evaluation of the Proposal.** Following procedure will be adopted :-

(a) Technical Bids will be evaluated by a Board of Officers constituted by the Directorate General Assam Rifles for selection of qualified Bidders as per Appx-1 to 10 of chapter 5.

(b) The commercial / cost bid of qualified Technical Bidders will be evaluated by a Board of Officers constituted by the Directorate General Assam Rifles.

(c) Depending upon the acceptance of the final prices by the Competent Financial Authority (CFA), work order will be placed to the successful bidders.

(d) The bidder will be required to accept the work order, enter into a contract agreement including comprehensive Maintenance and replacement of malfunctioning items and execution of contract as per terms and conditions mentioned in this Tender Enquiry.

(e) **Acceptance / Rejection of Tenders.** Directorate General Assam Rifles reserves the right to accept or reject any or all tenders without assigning any reason.

53. **Insurance.** The user will not separately pay for any transit insurance.

54. For any change in terms and condition of tender / tender specification, the Tenderers are requested to visit CPP e-Procurement site <http://eprocure.gov.in/eprocure/app> regularly.

55. The user reserves the right to increase or decrease the quantity of the stores required at site at any stage or to cancel or reject any / all of the tendered stores without assigning any reasons.

56. If you are in a position to quote for supply in accordance with requirements stated in the attached schedule to tender, all documents attached herewith should be duly filled in, signed uploaded.

57. **Transfer and Sub-Letting.** The tenderer has no right to give, bargain, sell assign or sublet or otherwise dispose of the resultant contract or any part thereof as well as to give or to let a third party take benefit of advantage of the resultant contract or any part thereof.

58. **Termination of Contract.** Time shall be essence of the contract. The user shall have the right to terminate this contract without any notice in part or in full in any of the following cases:-

(a) The installation of plant is delayed for causes not attributed to Force Majeure after the scheduled date of delivery of the maintenance work requested, i.e. one week.

(b) The Company or Firm is declared bankrupt or becomes insolvent.

(c) The installation of plant is delayed due to causes of Force Majeure by more than 60 days.

59. Any change in Address / Telephone / Fax / e-mail should be immediately informed. The state of non-communication by the Company / Firm will make the offer liable for rejection.

60. Any Query / Representation be addressed to **Chief Engineer, Engineer Branch, HQ DGAR, Shillong-10.**

61. **Eligibility Criteria** : As per Para 51 and 52 above.

62. **Location** : **Surchip & Lunglei, HQ 23 Sect AR**

63. **Site Visit** : All tenders received will be considered as having been done so after visiting the concerned sites and having worked out the site requirements.

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
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For Chief Engineer
Page-8 of 28

64. **DETAILED SCOPE OF ANNUAL MAINTENANCE CONTRACT :**

(a) The Annual Maintenance Contract (AMC) includes servicing & replacement of components such as Solar Photo Voltaic (SPV) module, PCU / Inverter, Battery Bank, Junction Box, Inter-Connecting wires / cables, module mounting structure etc. of Solar PV Power Plant for 1 year from the date of issue of work order / agreement.

(b) The maintenance service provided shall ensure proper functioning of the Solar PV Power Plant as a whole. All preventive / routine maintenance and breakdown / corrective maintenance required for ensuring maximum uptime have to be provided by contractor doing AMC. Accordingly, the AMC shall have two distinct components as described below :

(i) **Preventive / Routine Maintenance** : Preventive and Routine Maintenance of all the components of the system will be carried out by Contractor for AMC at least once in a month. This includes maintenance of system checking of all the electrical connections for proper functioning of the system.

(ii) **Breakdown / Corrective Maintenance** : Whenever a complaint is lodged by AR, contractor for AMC will attend to the same within **Forty Eight Hours** (48 hours). In case any major component needs to be rectified, it will be corrected within a period not exceeding **7 (seven) days** from the date of complaint.

(iii) The contractor doing AMC and AR will maintain the below (Para 65 and Para 66) scope of work for ensuring highest level of services for Solar PV Power Plant.

65. **Scope of Work under the contractor :**

(a) Proper maintenance of the plant will be carried out by us during maintenance period on quarterly basis.

(b) Provide technical & engineering support for resolving operation and maintenance problems.

(c) Periodic reports regarding various parameters of the functioning of the plant will be generated after the visit of the engineer on a monthly basis.

(d) Modules should be cleaned every 15 days to ensure proper power generation from the PV Plant.

(e) Offer is for Annual Maintenance Contract only. With regard to replacement of faulty components of the plant namely SPV Modules, PCU, Battery, Junction Boxes, Cables etc, these are supported by manufacturing warranty by OEM suppliers and the provision of warranty shall be invoked for getting the warranty support for these components.

(f) Provide all maintenance services necessary and advisable to efficiently operate and maintain the plant, including all associated and appurtenant mechanical and electrical equipment keeping in view the objectives set-forth herein above.

(g) To ensure the services of the individual original equipment manufacturer required to operate and maintain the plant.

Signature of the Tenderer
& Stamp

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Lt Col
SO-1 (Wks)
For Chief Engineer

66. **Scope of Work under AR :**

- (a) Authorized and trained personnel only shall operate the PV Plant.
- (b) AR shall maintain the log book. The details of the parameters such as battery voltage, current, temperature, solar current contribution will be entered in the log book on daily basis.
- (c) Any tampering of Solar PV System components will affect the power generation from the PV plant.
- (d) Suitable measures to ensure safety and other aspects of the PV Plant during maintenance period.
- (e) Insurance coverage may be provided to the PV Plant.

67. **Contractor doing AMC will send summary reports to AR on monthly basis.** These reports shall include the following information :

- (a) Number of visits to site.
- (b) Number of complaints received during the period of AMC.
- (c) Major cause of failure, as observed.
- (d) Major service done during the AMC period till date.

68. The records maintained during the AMC period will be made available from time to time to AR. The date of AMC maintenance period shall begin from the date of issue of order / agreement. **No time extension would be granted as the AMC would be valid for one year from the date of issue of work order.**

69. **Conditions as laid down in GFR-2017, AR 2249, CPWD Works Manual and MNRE guidelines will be strictly adhered to and will deem to be part of the contract.**

Signature of the Tenderer
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For Chief Engineer

PARAMETER CHECKLIST FOR SOLAR PLANT

Ser No.	Product Description	Parameter	Check Points
1.	Solar PV System Condition	Ensuring no shadow on Module Array	Ensuring no Shadow on Module Array
		Ensuring no Wild Grass Growth in Site	Ensuring no Wild Grass Growth in Site
2.	Modules Array	Array Condition	Array Voltage
			Array Current
3.	Module Mounting System	Visual Inspection of Structure	Ensuring that there is no Rust
		RCC foundation support	Ensuring No Breakage
		Connecting Parts	No Loose Bolts
		Bolts Condition	Ensuring No Rust
4.	SPV Modules	Physical condition of SPV Modules & SPV Module Junction Box	Any Dust Layer on SPV Modules
5.	Battery	Battery Condition	Battery Voltage
			Battery Current
		Visual Inspection	Ensuring No Breakage, Wiring Connections, No Rust and No Loose Bolts, Situation of Sulphation of Inter Cell connectors and Cable Lugs
6.	PCU	PCU Condition	PCU Voltage
			PCU Current
			Working of Inverter Display
		Visual Inspection	Ensuring No Breakage & Wiring Connections.
7.	Junction Boxes	Wiring	Any Wiring faults
		Bolts	Are there any loose bolts
		Diodes & MOVs Condition	To ensure no breakage
		Bus Bar Condition	No corrosion or breakage
8.	AC/DC DB Panel	Wiring	Any wiring faults
		Bolts	Are there any loose bolts
		Meter condition	Ensure that all are working in good condition
		MCCB & COS Condition	Ensure all are working in On or Off Condition
9.	Earthing and LA	Bolts	Are there any Loose Bolts
10.	Control Room	Ventilation	Check whether exhaust fan working
		Fire Extinguisher Condition	Ensuring pressure gauge showing fully charged.
		Control Room Condition	Ensuring the control room is kept clean.
11.	Load Connection to SPV Plant	Optimum Load	Ensure that load connected to the plant is at the optimum level.
12.	On-grid Hybrid Inverter	Automatic switching and maximum load to be kept on Solar generated power.	Suitable adjustment & calibration to be ensured on Hybrid type inverter and maximum load to be kept on Solar generated power.

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

CHAPTER-II**SCHEDULE OF REQUIREMENT: SPECIFICATIONS**

Ser No.	System Components	Unit/ Nos	Make/ Model	
1.	Supply, fixing and installation of On-Grid Inverter (Hybrid type with battery charger to retrofit with existing battery bank including automatic switching between main grid supply and Solar Power), Complete testing of plant at site for 01 x 100 KWp capacity Solar Power Plant. Installation of Inverter also includes connected accessories like Solar Metering system, Net metering system alongwith suitable AC Armoured Cable and DC Copper Cable for internal connections, complete laying underground, fixing on walls/surface all as directed by Engr-in-Charge at site. Make : ABB/Consol or MNRE Approved equivalent make. NOTE :- (i) Installation & Transportation charges are deemed to be included in the above quoted rates. (ii) Maintenance of other connected items including all required accessories, replacement of strip/wire and earthing of complete solar power plant, will be included in the above quoted rates. (iii) Old unserviceable inverter will be issued to the contractor on credit of schedule, refer schedule of credit.	02 Job	MNRE approved make	
2.	Supply, fixing installation & testing of Battery Bank 2V, 1000 Ah capacity in replacement of old unserviceable Battery Bank of any capacity all as specified and directed by Engr-in-Charge. NOTE: (i) Installation & Transportation charges are deemed to be included in the above quoted rates. (ii) Old unserviceable Battery Bank will be issued to the contractor on credit of schedule, refer schedule of credit.	330 Nos	MNRE approved make	
3.	Repair & maintenance of AJB/MJB/FJB as per site requirement including connected items complete all as specified and directed by Engr-in-Charge	02 Job	MNRE approved make	
4.	AMC for Solar Power Plant : AMC for Solar Power Plant includes the following scopes of work:- (i) Proper maintenance of the plant including the area will be carried out by the contractor during maintenance period on monthly basis. (ii) Provide technical & engineering support for resolving operation and maintenance problems. (iii) Generation of periodic reports regarding various parameters of the functioning of the plant after the visit of the engineer on a monthly basis. (iv) Modules should be cleaned every 15 days to ensure proper power generation. (v) Offer is for Annual Maintenance Contract only. With regard to replacement of faulty components of the plant namely SPV Modules, PCU, Battery, Junction Boxes, Cables etc, these are supported by manufacturing warranty by OEM suppliers and the provision of warranty shall be invoked for getting the warranty support for these components. (vi) Provide all maintenance services necessary and advisable to efficiently operate and maintain the plant, including all associated mechanical and electrical equipment keeping in view the objectives set-forth herein above. (vii) To ensure the services of the individual original equipment manufacturer required to operate and maintain the plant. (viii) To conduct two weeks training for the staff being provided by the user on maintenance and up keep of the Solar Power Plant.	02 Job	MNRE approved make	
Schedule of Credit				
1.	Old unserviceable Inverter of any capacity and any make.	02 Nos	145000	2,90,000.00
2.	Old unserviceable Battery Bank of any capacity and any make.	330 Nos	2000	6,60,000.00
			Total Rs	9,50,000.00*
* Rs 9,50,000.00 will be deducted from the gross total amt quoted by the contractor.				

- Note :** (a) The quoted amount and no. of items will be deemed as having been done by the tenderer after duly visiting the site / sites.
(b) The DG Assam Rifles / Competent authority reserves the right to decrease the items / stores upto any extend or increase the items / stores by 10% of the estimated amount during the period of the AMC.
(c) Any major / minor defect within the AMC period of the plant will be cope up by contractor by maintenance / repair / replacement of the required parts.

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

CHAPTER-III**TECHNICAL SPECIFICATIONS**

Ser No.	System Components	Unit/ Nos	Make and AMC Scope
1.	<p>Supply, fixing and installation of On-Grid Inverter (Hybrid type with battery charger to retrofit with existing battery bank including automatic switching between main grid supply and Solar Power), Complete testing of plant at site for 01 x 100 KWp capacity Solar Power Plant. Installation of Inverter also includes connected accessories like Solar Metering system, Net metering system alongwith suitable AC Armoured Cable and DC Copper Cable for internal connections, complete laying underground, fixing on walls/surface all as directed by Engr-in-Charge at site. Make : ABB/Consol or MNRE Approved equivalent make.</p> <p>NOTE :- (i) Installation & Transportation charges are deemed to be included in the above quoted rates. (ii) Maintenance of other connected items including all required accessories, replacement of strip/wire and earthing of complete solar power plant, will be included in the above quoted rates. (iii) Old unserviceable inverter will be issued to the contractor on credit of schedule, refer schedule of credit.</p>	02 Job	Repair/replacement, & operationalization of existing 100 KW Solar Plant. Contractor is also bound to replace the defective parts of solar plant during this annual maintenance.
2.	<p>Supply, fixing installation & testing of Battery Bank 2V, 1000 Ah capacity in replacement of old unserviceable Battery Bank of any capacity all as specified and directed by Engr-in-Charge.</p> <p>NOTE: (i) Installation & Transportation charges are deemed to be included in the above quoted rates. (ii) Old unserviceable Battery Bank will be issued to the contractor on credit of schedule, refer schedule of credit.</p>	330 Nos	
3.	Repair & maintenance of AJB/MJB/FJB as per site requirement including connected items complete all as specified and directed by Engr-in-Charge.	02 Job	
4.	<p>AMC for Solar Power Plant : AMC for Solar Power Plant includes the following scopes of work:-</p> <p>(i) Proper maintenance of the plant including the area will be carried out by the contractor during maintenance period on monthly basis. (ii) Provide technical & engineering support for resolving operation and maintenance problems. (iii) Generation of periodic reports regarding various parameters of the functioning of the plant after the visit of the engineer on a monthly basis. (iv) Modules should be cleaned every 15 days to ensure proper power generation. (v) Offer is for Annual Maintenance Contract only. With regard to replacement of faulty components of the plant namely SPV Modules, PCU, Battery, Junction Boxes, Cables etc, these are supported by manufacturing warranty by OEM suppliers and the provision of warranty shall be invoked for getting the warranty support for these components. (vi) Provide all maintenance services necessary and advisable to efficiently operate and maintain the plant, including all associated mechanical and electrical equipment keeping in view the objectives set-forth herein above. (vii) To ensure the services of the individual original equipment manufacturer required to operate and maintain the plant. (viii) To conduct two weeks training for the staff being provided by the user on maintenance and up keep of the Solar Power Plant.</p>	02 Job	

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

CHAPTER- IV**PERFORMA FOR COMPLIANCE TO SPECIFICATIONS**

Ser No	Description of stores required	Reqd Specifications	Compliance to Reqd Specifications(Yes/No)
1.	Supply, fixing and installation of On-Grid Inverter (Hybrid type with battery charger to retrofit with existing battery bank including automatic switching between main grid supply and Solar Power), Complete testing of plant at site for 01 x 100 KWp capacity Solar Power Plant. Installation of Inverter also includes connected accessories like Solar Metering system, Net metering system alongwith suitable AC Armoured Cable and DC Copper Cable for internal connections, complete laying underground, fixing on walls/surface all as directed by Engr-in-Charge at site. Make : ABB/Consol or MNRE Approved equivalent make.	Of make installed or specified.	
2.	Supply, fixing installation & testing of Battery Bank 2V, 1000 Ah capacity in replacement of old unserviceable Battery Bank of any capacity all as specified and directed by Engr-in-Charge.	Of make installed or specified.	
3.	Repair & maintenance of AJB/MJB/FJB as per site requirement including connected items complete all as specified and directed by Engr-in-Charge.	Of make installed or specified.	

Note: In case of non availability of make as per installed / specified, prior technical sanction will be obtained for installing alternative make from Chief Engineer, Assam Rifles.

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

CERTIFICATE OF ACCEPTANCE OF TERMS AND CONDITIONS
(TO BE FILLED BY THE BIDDER)

1. It is certified that I have read and understood and will comply with all instructions contained in tender enquiry and its schedule. All pages of schedule to the tender from page 01 to 22 have been filled properly and signed.
2. No changes to the specified format to the bid has been made any modification to the laid down format of the bid documents will make the bid invalid and liable for rejection.
3. The equipment once delivered will be subjected to an inspection by the acceptance board at the given consignee location. The specifications of the items will be in conformity with the details provided by the user and as per given specifications. The date of completion of acceptance board would be deemed to be date on which the warranty will commence.
4. We shall provide onsite comprehensive warranty of one year for the items being supplied.
5. We guarantee to provide 100% replacement for the defective item during guarantee / warranty.
6. We confirm that we abide by the delivery schedule as given in tender and elsewhere in the tender enquiry.
7. We agree to deposit a Security Deposit equal to five percent (5%) of the total cost of items within specified time on receipt of offer letter / supply order. The Security Deposit will be valid for six months beyond the date of expiry of warranty period.
8. We certify that any cost incurred on additional items/systems/components /accessories required would be borne by us.

Signature of tenderer on behalf of the PSU :

Name in block letters : _____

Name of firm : _____

Full address : _____

(i) Telephone No _____

(ii) Mobile No _____

(iii) Fax No _____

(iv) Email id _____

(v) Website _____

Company Seal

(Authorised Signatory of Company)

Place : _____

Date : _____

Signature of the Tenderer
& StampSd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

**ELECTRONIC CLEARING SERVICE (CREDIT CLEARING/REAL TIME GROSS SETTLEMENT (RTGS)
FACILITY FOR RECEIVING PAYMENTS**A. DETAILS FOR ACCOUNT HOLDER :-

NAME OF ACCOUNT HOLDER	
COMPLETE CONTACT ADDRESS	
TELEPHONE NUMBER/FAX/EMAIL	

B. BANK ACCOUNT DETAILS :-

BANK NAME	
BRANCH NAME WITH COMPLETE ADDRESS, TELEPHONE NUMBER AND EMAIL	
WHETHER THE BRANCH IS COMPUTERISED	
WHETHER THE BRANCH IS RTGS ENABLED? IF YES , THEN WHAT IS THE BRANCH'S IFSC CODE	
IS THE BRANCH ALSO NEFT ENABLED	
TYPE OF BANK ACCOUNT(SB/CURRENT/CASH CREDIT WITH 10/11/13)	
COMPLETE BANK ACCOUNT NUMBER	
MICR CODE OF BANK	
NAME AND ADDRESS OF THE BENEFICIARY/PAYEE	
IFCS(INDIAN FINANCIAL SYSTEM) CODE	

C. DATE OF EFFECT :-

I hereby declare that the particulars given are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or Incorrect Information, I would not hold the user Institution responsible. I have read the option Invitation letter and agree to discharge responsibility expected of me as a participant under the Scheme.

Date:

(.....)

Signature of Customer

Certified that the particulars furnished above are correct as per our records.
(Bank 's stamp)

Date :

(.....)

Signature of the Authorized Official from the Bank

1. Please attach a photocopy of cancelled cheque along with the verification obtained from the Bank
2. Verification in case of firms not registered with Assam Rifles is Mandatory.
3. In case your Bank Branch is presently not "RTGS enabled" then open its upgradation to "RTGS Enabled" branch. Please submit the information again in the above Proforma to the Department at the earliest.

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

NON BLACK LISTING CERTIFICATE

1. I _____ Son of Shri _____ age about _____
by profession proprietor/ partner of M/s _____ having registered office at
_____ do hereby solemnly affirms and declare as under :-

- (a) Undertakes to the effort that our firm is not blacklisted by any Government Organisation.
- (b) I am not Proprietor / Partners / Director of any other firm or business with whom Government has banned / suspended business dealing.
- (c) I do not have any concern / subsidiaries, blacklisted by Government Organisation.

Company Seal

(Authorised Signatory of Company)

Place : _____

Date : _____

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

APPENDIX-5
(CHAPTER-V)

GUARANTEE / WARRANTY

Except otherwise provided in the invitation to tender, the contractor hereby declares that the goods / stores / articles / equipment sold / supplied to the purchaser / consignee under this contract shall be of best quality and workmanship and new in all respects and shall be strictly in accordance with the specification and particulars mentioned / contained in the contract. The PSU hereby guarantees that the said goods / stores / articles would continue to confirm to the description and quality aforesaid for a period of twelve months from the date of receipt of goods /stores / articles / equipment in good condition at site by the consignee in case of supply contracts and twelve months from the date of installation and satisfactory taking over of the goods / stores / articles / equipment at site by consignee where installation and commissioning is involved and notwithstanding the fact that the purchase / inspection authority has inspected and / or approved the said goods / stores / articles / equipment or such if during the 12 months the said goods / stores / articles / equipment be discovered not to confirm to the description and quality aforesaid or not giving satisfactory performance or have deteriorated and the decision of the purchase / consignee in that behalf shall be final and binding on the contractor / seller and the purchaser shall be entitled to call upon the contractor / seller to rectify the goods / stores / articles / equipment or such portion thereof as is found to be defective by the purchaser within the reasonable period or such specified period as may be allowed by the purchaser in his discretion on application made thereof by the contractor / seller, and in such an event , the above period shall apply to the goods / stores / articles / equipment rectified from the date of rectification mentioned in the warranty thereof, otherwise the contractor / seller shall pay the purchaser such compensation as may arise by reason of the breach of warranty therein contained.

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

UNDERTAKING FOR NO USE OF UNDUE INFLUENCE

The seller should undertake that he has not given, offered or promised to give directly or indirectly any gift, consideration, reward, commission, fees brokerage or inducement to any person in service of the Purchaser or otherwise in procuring, the Contract or Forbearing to do or for having done or forborne to do any act in relation or execution of the Contract or any other Contract with the Government for showing or forbearing to show favor or disfavor to any person in relation to the Contract or any other Contract with the Government. Any breach of the aforesaid undertaking by the seller or any one employed by him or acting on his behalf (whether with or without the knowledge of the seller) or the commission of any offence by the seller or any one employed or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1947 or any other Act enacted for the prevention of corruption shall entitle the Purchaser to cancel the contract and all or any other Contract with the seller and recover from the Seller the amount of any loss arising from such cancellation. A decision of the Purchaser or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the seller.

Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the seller towards any officer / employee of the Purchaser or to any other person in a position to influence any officer / employee of the Purchaser for showing any favor in relation to this or any other contract, shall render

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

PROFORMA FOR BANK GUARANTEE FOR SUBMITTING EARNEST MONEY

**PROFORMA OF BANK GUARANTEE FOR EARNEST MONEY
(ON BANK'S LETTER HEAD WITH ADHESIVE STAMP)**

Bank Guarantee No _____

Dated :

To

The Establishment Officer
Directorate General Assam Rifles
Shillong

Dear Sir,

In accordance with your Invitation to Tender No _____
M/S _____ hereinafter called the tenderer with the following
Directors on their Board of Directors/partners of the firm :-

1.	2.
3.	4.
5.	6.

Wish to participate in the said Tender for the supply _____ of _____ As a Bank Guarantee against Earnest Money for a sum of _____ (in words and _____ figures) _____ valid for (135) one hundred and thirty five days from the date of opening of Tender viz _____ is required to be submitted by the tenderer as a condition for the participation, this bank hereby guarantees and undertakes during the above said periods of 135 (one hundred and thirty five days) to immediately pay, on demand by Establishment Officer, Directorate General Assam Rifles in writing the amount of _____ (words and figures) without any reservation and resource if :-

- i) The tenderer after submitting his Tender, modifies the rates or any of the items and conditions thereof, except with the previous written consent of the purchaser.
- ii) The tenderer withdraws the said Tender within 120 days after opening of tender or.
- iii) The tenderer having not withdrawn the Tender, fails to furnish the contract security deposit imposed for due performance of the contract within the period provided in the General conditions of contract.

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

FINANCIAL STABILITY CERTIFICATE**CERTIFICATE TO BE ISSUED BY SCHEDULED BANK OF THE FIRM**

This is to certify that M/s_____ is maintaining current Account No_____ with us. Proprietor of M/s_____ is a respectable customer of this branch. To our information, M/s_____ considered financially sound for any procurement up to Rs_____ (Rupees_____ only).

IFSC Code :

MICR Code :

Bank Seal

(Authorised Signatory of Bank)

Place : _____

Name : _____

Contact No. of bank : _____

Designation : _____

Date : _____

Employee No : _____

Contact No : _____

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

**SITE VISIT REPORT: ON SITE TECHNICAL FEASIBILITY REPORT FOR
OPTIMIZATION OF SOLAR PLANTS**

(Incase of more than one Plant submit separate report for each plant)

1. Diagrammatic Layout of Solar Plant with component details and capacities (attach separate sheet if required).

2. Defective and consumable items required to be replaced or repaired :

Ser No.	Items	Remarks/ justification

3. Technical Data :

- (a) Solar Irradiance: _____
- (b) Battery discharge of installed system: _____
- (c) Present system inverter loss : _____
- (d) Present system generated Energy : _____
- (e) Expected increase in generated Energy after optimization: _____

SO-1(Works), HQ 23 Sect AR

Date :

Stamp

Signature of the Tenderer
& Stamp

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

CERTIFICATE OF SITE VISIT

1. This is to certify that M/s _____ visited the site on _____ for preparation of site visit report of the solar power plant in this Sector/Unit.
2. The report is initialed as a taken to confirm site visit and not to authenticate the layout / items required to be repaired or replaced / Technical data.

SO-1 (Works), HQ 23 Sect AR

Date :

Stamp

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

MODEL CERTIFICATE FOR TENDERS FOR WORKS
INVOLVING POSSIBILITY OF SUB-CONTRACTING

I have read the clause regarding restrictions on procurement from a **supplier of a country which shares a land border with India and on sub-contracting to contractors from such countries**; I certify that this supplier is not from such a country or; if from such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that this supplier fulfills all requirements in this regard and is eligible to be considered.

[Evidence of valid registration by the Competent Authority shall be attached].

Signature of the Tenderer
& Stamp

Sd/- xx xx xx
(Maheshwar Dass)
Lt Col
SO-1 (Wks)
For Chief Engineer

Schedule 'A' Item Rate BoQ

Validate Print Help

Tender Inviting Authority: Directorate General Assam Rifles

Description : Conversion of Off-Grid inverter into On-Grid Inverter Incl AMC for 01 x 100 KWP Solar Power Plant at AR Bn Serchip & Lunglei, HQ 23 Sector Assam Rifles

Contract No: VIII.11014/7089/AMC/Engr-2020/23 Sect

Dated : 13 Nov 2020

Bidder Name :

[Redacted Bidder Name]

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	4	5	13	54	55
1	Supply, fixing and installation of On-Grid Inverter (Hybrid type with battery charger to retrofit with existing battery bank including automatic switching between main grid supply and Solar Power), Complete testing of plant at site for 01 x 100 KWp capacity Solar Power Plant. Installation of Inverter also includes connected accessories like Solar Metering system, Net metering system alongwith suitable AC Armoured Cable and DC Copper Cable for internal connections, complete laying underground, fixing on walls/surface all as directed by Engr-in-Charge at site. Make : ABB/Consol or MNRE Approved equivalent make. NOTE :- (i) Installation & Transportation charges are deemed to be included in the above quoted rates. (ii) Maintenance of other connected items including all required accessories, replacement of strip/wire and earthing of complete solar power plant, will be included in the above quoted rates. (iii) Old unserviceable inverter will be issued to the contractor on credit of schedule, refer schedule of credit.	2	Job			
2	Supply, fixing installation & testing of Battery Bank 2V, 1000 Ah capacity in replacement of old unserviceable Battery Bank of any capacity all as specified and directed by Engr-in-Charge. NOTE: (i) Installation & Transportation charges are deemed to be included in the above quoted rates. (ii) Old unserviceable Battery Bank will be issued to the contractor on credit of schedule, refer schedule of credit.	330	Nos			
3	Repair & maintenance of AJB/MJB/FJB as per site requirement including connected items complete all as specified and directed by Engr-in-Charge.	2	Job			
Total in Figures					0.00	INR Zero Only
Quoted Rate in Words				INR Zero Only		

Note :- 1. Tenderers should submit price bid in above format in Excel Sheet (.XLS) in Bills of Quantity (BPOQ) and upload the same in CPP portal <http://eprocure.gov.in/cppp> (Note to be uploaded with Technical bid documents). 2. The rate quote by contractor should be inclusive of GST.

Signature of the Tenderer & Stamp

Validate

Print

Help

Schedule 'B' lump sum Rate BoQ

Tender Inviting Authority: Directorate General Assam Rifles

Description : Conversion of Off-Grid inverter into On-Grid Inverter incl AMC for 01 x 100 KWP Solar Power Plant at AR Bn Serchip & Lunglei, HQ 23 Sector Assam Rifles

Contract No: VIII.11014/7089/AMC/Engr-2020/23 Sect

Dated : 13 Nov 2020

Bidder Name :

[Redacted Bidder Name]

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	4	5	13	54	55
1	<p>AMC for Solar Power Plant : AMC for Solar Power Plant includes the following scopes of work:-</p> <p>(i) Proper maintenance of the plant including the area will be carried out by the contractor during maintenance period on monthly basis.</p> <p>(ii) Provide technical & engineering support for resolving operation and maintenance problems.</p> <p>(iii) Generation of periodic reports regarding various parameters of the functioning of the plant after the visit of the engineer on a monthly basis.</p> <p>(iv) Modules should be cleaned every 15 days to ensure proper power generation.</p> <p>(v) Offer is for Annual Maintenance Contract only. With regard to replacement of faulty components of the plant namely SPV Modules, PCU, Battery, Junction Boxes, Cables etc, these are supported by manufacturing warranty by OEM suppliers and the provision of warranty shall be invoked for getting the warranty support for these components.</p> <p>(vi) Provide all maintenance services necessary and advisable to efficiently operate and maintain the plant, including all associated mechanical and electrical equipment keeping in view the objectives set-forth herein above.</p> <p>(vii) To ensure the services of the individual original equipment manufacturer required to operate and maintain the plant.</p> <p>(viii) To conduct two weeks training for the staff being provided by the user on maintenance and up keep of the Solar Power Plant.</p>	2	Job			
Total in Figures					0.00	INR Zero Only
Quoted Rate in Words					INR Zero Only	

Note :- 1. Tenderers should submit price bid in above format in Excel Sheet (.XLS) in Bills of Quantity (BPOQ) and upload the same in CPP portal <http://eprocure.gov.in/cppp> (Note to be uploaded with Technical bid documents). 2. The rate quote by contractor should be inclusive of GST.

-28-

Validate

Print

Help

Schedule of Credit

Tender Inviting Authority: Directorate General Assam Rifles

Description : Conversion of Off-Grid inverter into On-Grid Inverter incl AMC for 01 x 100 KWP Solar Power Plant at AR Bn Serchip & Lunglei, HQ 23 Sector Assam Rifles

Contract No: VIII.11014/7089/AMC/Engr-2020/23 Sect

Dated : 13 Nov 2020

Bidder Name : **PRICE SCHEDULE**

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	4	5	13	54	55
1.	Old unserviceable Inverter of any capacity and any make.	02	Nos	145000	2,90,000.00	
2.	Old unserviceable Battery Bank of any capacity and any make.	330	Nos	2000	6,60,000.00	
				Total Rs	9,50,000.00*	
Total in Figures					0.00	
Quoted Rate in Words					INR Zero Only	

Note :- 1. Tenderers should submit price bid in above format in Excel Sheet (.XLS) in Bills of Quantity (BPOQ) and upload the same in CPP portal <http://eprocure.gov.in/cppp> (Note to be uploaded with Technical bid documents). 2. The rate quote by contractor should be inclusive of GST.

Signature of the Tenderer & Stamp