

Online tenders are invited in two stage bid system i.e. Technical bid and Financial Bid as per the details given below in Schedule-A

SCHEDULE-A

Sr. No.	PARTICULARS	REMARKS
1	Tender Notice No.	43/ 2026-2027
2	Sr. No. of Tender.	i) (Group-II)
3	Superscribed No. of Tender.	181/HR/RC/E-5/2026-27
4	Online submission of EMD, Tender fee & e-Service Fee Option-1: Through Net Banking and Debit card	On or before last date of submission of Technical Bids upto 12:00 Noon
5	Online submission of EMD Option-2: Through RTGS/ NEFT- <i>(In case of above, the bidder has to pay Tender Fee & e-Service Fee Through Net Banking and Debit card as per the given date & time schedule)</i>	On or before 14.08.2026 Upto 02:00 P.M.
6	On line Bid Preparation & submission.	Upto 17.08.2026 at 02:00 P.M.
7	Date & time of opening of Technical Bids/s.	On or after 17.08.2026 at 02:30 P.M.
8	Date & time of opening of Financial Bids/s	To be decided later on
9	Tender Fee:	
	(I) For Haryana based manufacturing Micro and Small Enterprises (MSEs) & Khadi Village Industries Unit eligible as per the "Haryana State Public Procurement Policy for MSME - 2016" notified vide G.O. No. 2/2/2016-4I BII(1) dated 20-10-2016 and as amended from time to time.	NIL
	(II) For Haryana based Startups/First Generation Entrepreneurs eligible as per State policy "Concession/benefits in Public Procurement to Startups/First Generation Entrepreneurs of State" issued vide G.O No.2/2/2016-4I B-II dated 03.01.2019.	NIL
	(III) For remaining bidders both from the Haryana and Non Haryana	Rs. 5000/-
10	Earnest Money Deposit (EMD) required:	
	(I) For Haryana based manufacturing Micro and Small Enterprises (MSEs) & Khadi Village Industries Unit eligible as per the "Haryana State Public Procurement Policy for MSME - 2016" notified vide G.O. No. 2/2/2016-4I BII(1) dated 20-10-2016 and as amended from time to time.	NIL
	(II) For Haryana based Startups/First Generation Entrepreneurs eligible as per State policy "Concession/benefits in Public Procurement to Startups/First Generation Entrepreneurs of State" issued vide G.O No.2/2/2016-4I B-II dated 03.01.2019.	NIL

	(III) Central or Haryana Public Sector Enterprises and “approved sources” as declared by the Industries Department, Haryana	NIL
	(IV) For remaining bidders both from the Haryana and Non Haryana	2,00,000/-
11	E-Service Fee	Rs. 1000/-
12	Date and time of receipt of samples	On 17.08.2026 from 02.30 PM to 04.30 P.M at S.C.O No. 37, Sec 11 Panchkula,134109.
13	Rates to be kept valid for acceptance upto:	16.02.2027

A. Information to Bidders:

- i The Bidders can download the tender documents from the Portal:
<https://etenders.hry.nic.in>
1. Date and Time of making payment of tender fee, earnest money deposit (EMD) and e-service fee is as under:

A	Online submission of EMD, Tender fee & e-Service Fee Option-1: Through Net Banking and Debit card	On or before last date of submission of Technical Bids upto 12:00 Noon
B	Online submission of EMD Option-2: Through RTGS/ NEFT- <i>(In case of above, the bidder has to pay Tender fee & e-Service fee Through Net Banking and Debit card as per the given date & time schedule)</i>	On or before 14.08.2026 Upto 02:00 P.M.

2. As the Bids are to be submitted online and are required to be encrypted and digitally signed, the Bidders are advised to obtain Digital Signature Certificate (DSC) at the earliest. For obtaining Digital Certificate, the Bidders should follow Point No.- 2 under “Instructions to bidder on Electronic Tendering System” and available in folder of “Tender Forms” available on following link <https://dsndharyana.gov.in/downloads/> and for information about DSC at NIC Portal visit <https://etenders.hry.nic.in/nicgep/app?page=DSCInfo&service=page>
3. The Bidders shall have to pay for the Tender Documents Fee, EMD Fees & e-Service Fee online by using the service of secure electronic payment gateway. The secure electronic payments gateway is an online interface between bidders and online payment authorization networks.
4. The bidders must have Net Banking account in order to pay Tender Document Fee and e- Service Fee.
5. **Payment of Tender Fee:-**The payment for the Tender Document Fee shall be made by the interested bidder online directly through Net Banking with the available Banks at e- GRAS e-Payment Gateway.
6. **Payment of e-Service Fee:-**E-Service Fee payment shall be made separately by the interested bidders/ contractors online directly through Net Banking Account.
7. **Payment of EMD:-**The payment of EMD can be made through Net Banking or RTGS/ NEFT as per details at Para-2 above. In this regard please refer to “Instructions to bidder on Electronic Tendering System” available at the available in folder of “Tender Forms” on website : <https://dsndharyana.gov.in/downloads/>

8. Intending bidders will be mandatorily required to sign-up online (create user account) on the website <https://etenders.hry.nic.in> to be eligible to participate in the e-Tender. In case the intended bidder fails to pay EMD fee under the stipulated time frame, he/she shall not be allowed to submit his/ her bids for the respective event/Tenders.
9. In case of payment of EMD through RTGS/ NEFT, the interested bidders must remit the funds atleast T+1 working day (Transaction+ One Day) in advance i.e. on or before 14.08.2026 upto 2.00 P.M; and make payment via RTGS/NEFT to the beneficiary account number specified under the online generated challan. The intended bidder/ Agency thereafter will be able to successfully verify their payment online, and submit their bids on or before the expiry date & time of the respective events/ Tenders at <https://etenders.hry.nic.in>
10. However, the details of the EMD, Tender document Fee & E - Service Fee are required to be filled/ provided at the time of online Bid Preparation.
11. Online Technical Envelope—Reference details of the Earnest Money Deposit, Tender Document Fee & e - Service Fee instrument and scanned copies of supporting documents and QR/technical criteria with proper index and page numbering on all the documents have to be provided as per Annexure-IA of this document.
12. If the tenders are cancelled or recalled on any grounds, the Tender Document Fee and e-Service Fee will not be refunded to the bidder.

A. Brief Description of Procuring/ Rate Contract item/ Scope of Work and Terms & Conditions of the Contract:

Sr. No.	Description of System	Quantity (Nos.) On Two Year R/C basis	Place of Delivery
1.	Supply, installation and commissioning of Solar High Mast Lighting Systems with seven years warranty of complete system required by New & Renewable Energy Department Haryana.	3000 nos.	Any Where in Haryana.

The detail technical specifications/description of the above stores is available at Annexure-II of these documents.

B. Specific Terms & Condition/ Eligibility Criteria related to above Store:

1. The Bidder should be either a body incorporated in India under the Companies Act, 1956 or 2013 including any amendment thereto or proprietary/ partnership/LLP firm. A copy of certificate of incorporation shall be furnished along with the bid in support of above.
2. The bidder should be a manufacturer of solar modules/solar cells/Lithium battery or System Integrator. The System Integrator has to submit the undertaking issued by each manufacturer of major parts/devices (solar modules, battery and luminaire) to be used in system with whom they have tie up mentioning that in case System Integrator defaults, at any stage of execution of warrantee/guarantee/CMC and after sale service of the said device, installed in reference to rate contract of

the said tender, then the Company will be responsible to execute the warrantee/guarantee/CMC of the said device at site of installation as per the terms and conditions of rate contract/DNIT of the above tender and will adhere the directions of the New & Renewable Energy Department/HAREDA directly.

3. The bidder has to submit Test report of one unit (110 watt module, 22 Watt LED Luminaire, and 12.8 Volt 50 Ah LiFePO4 battery) of Solar High Mast Lighting System in its name issued by any of the MNRE / BIS / IEC/ NABL accredited laboratory on or after 01.04.2023. Bid without valid test report from MNRE / BIS / IEC/ NABL accredited laboratory will be rejected out rightly. The test report should contain the make and model of major components i.e. module, battery and Luminaire along with their photograph.
4. Domestically manufactured PV Module with domestically manufactured solar PV cells should be used. The PV modules should be made up of crystalline silicon solar cells and must have BIS certificate for IS 14286 & IS 61730 (Part-I, Part II). PV modules must meet the latest specifications of MNRE and the models and Manufacturers of PV Modules shall be included in the List of Models and Manufacturers for Solar PV Modules empanelled by MNRE as per its ALMM order (and shall also be valid at the time of supply of material) from time to time. To bring contractual clarity, Bidders has to give explicit declaration that they are aware of binding provisions of the ALMM Order and the List(s) there under, while quoting the rates in the bid.
5. All other major components should also be indigenously made i.e. Lithium battery and Luminaire.
6. The bidder should have also a valid ISO 9001:2015 Certificate issued from any NABCB accredited certification body in the field of quoted item and copy of valid ISO 9001:2015 Certificate must be attached with offer.
7. **Blacklisting/Debarring:-**Affidavit on Non Judicial Stamp Paper duly certified by the Notary as per Annexure-13 Stating that our firm [Name of the firm] has not been blacklisted / Debarred in Govt. Deptts./ Boards/ Corporations/ Federations/ Agencies /any Autonomous Bodies in State of Haryana and other State/ Central Government Departments/Agencies etc. as on the date of submission of the bid in the present tender.

It is further certified that no EMD/Bank Guarantee of our firm (Name of the firm) has been forfeited in last 02 years in Govt. Deptts./ Agencies as referred above as on the date of submission of the bid in the present tender.
8. The Bidder should have valid GST registration certificate of the billing state. A copy of which should be enclosed.
9. The Successful Bidder shall be required to establish at least one Service Centre in Haryana. The successful bidder should maintain the inventory of required spare parts at the service centre(s).
10. Past performance of the firms shall be considered while evaluating the technical bids. If the bidder has poor record for providing after sales services to the Haryana during last five years than their bid may be rejected out rightly.

11. Bidder should have minimum average annual turnover of Rs. 890.00 Lakhs in the last three years, ending 31st March of the previous Financial Year i.e. up to 2025-2026.
12. Bidder should have successfully completed similar contracts of cumulative cost not less than Rs. 1180.00 Lakhs to any State / Centre Govt. Agency / Department/ Organization/ autonomous body duly verified by SNA/any govt. agency from 01.04.2023 to the closing date of the bid.

The bidders are requested to enclose the proof of completion of the required value systems duly certified by SNA/any Government agency.

Similar contract means: Supply, Installation & Commissioning of Street Lighting / Solar Home Lighting systems.

(Document to be uploaded: Only Commissioning Certificates certified by SNA or any Government agency supporting the claim. Bidders shall not upload the work orders)

13. The bidder should have positive net worth in the previous last three Financial Years i.e. up to 2023-24, 2024-25 & 2025-26. (Document to be uploaded: Certificate in given format) as per Performa VI.
14. Bidder is required to submit a sample of one unit of the quoted product (110 Watt Solar PV Module, 22 Watt LED Luminaire, 12.8 Volt 50Ah LiFePO4 batteries) along with tender. Non-compliance shall in rejection of the bid.
15. Technical Catalogue of the product is required to be submitted along with the bid & same should be available on bidder's website.
16. Rate Contract will be valid for two years from the date of issue.
17. The rates quoted should be inclusive of GST (@8.9%) and all other charges etc. (as applicable).
18. **Delivery period (includes supply, installation & commissioning):-**Three months from the date of placement of work order.
19. **Warranty:** - Seven years from the date of commissioning (including batteries) and PV module(s) will be warranted for a minimum period of 25 years from the date of supply. PV modules used in Solar Lighting system must be warranted for their output peak watt capacity, which should not be less than 90% at the end of Ten (10) years and 80% at the end of Twenty five (25) years.
20. **Payment :-**
 - i. 60% payment will be released within one month time on submission of material receipt of physical delivery of inspected/ accepted goods in physically good condition at consignee godown on submission of bill of material supported by material receipt duly signed by PO/APO of the department/ office.
 - ii. 30% will be released within one month time after satisfactory installation / working of the items on submission of joint commissioning report (JCR) along with photograph of the system in the attached format duly signed by the user & PO/APO of the consignee department/ office with countersignature of head of the office (ADC-cum-CPO).

- iii. 10% payment will be released on completion of 07 years from the date of commissioning of the systems on submission of satisfactory performance report of the systems duly certified by the concerned PO/ APO OR said amount may be released against submission of bank guarantee of equal amount valid for seven years from the date of commissioning of the system.
- 21. Material shall be strictly as per DNIT specifications/requirement. If there is any left out specification, the same shall be considered as per the latest specification/requirements applicable as per BIS/International Standards. The bidders are advised to be well conversant with these specifications/requirements for their compliance.
- 22. The make and model of major components of the system i.e. Solar module, Solar Charger, Battery and Luminaires should be strictly as per the make and model mentioned in the test report and sample submitted with the bid. Accordingly, the same should be mentioned in the technical bid.
- 23. In case of any complaint in the working of the items during the warranty period, the firm shall attend the same within 24 hours from the time of logging of first complaint / call by the consignee and the items must be repaired within three days thereafter. The complaints would be logged by the Department officers by e-mail/ fax in order to keep the proper delivery records. Further in case of failure to do so, penalty @ 0.1 % of the system cost per day (subject to max. 10% of the cost) after expiry of 72 hours shall be imposed. If the firm does not attend the complaint within the max penalty period then the system may be got repaired/ replaced from the performance security amount. In case whole performance security amount is utilized and complaint/s are still pending then an online / registered notice will be sent to the firm to attend the complaint and if failed to attend the complaint within 7 days then firm may be blacklisted and a legal proceedings may be initiated against the firm for breach the agreement.
- 24. The applicable GST is 8.9 % on Solar Power Based Devices or Solar Power Generating System, supplied with other goods and services then the value of goods shall be deemed as seventy Percent of the gross consideration charged for all such supplies i.e. to be charged at 5% GST, and the remaining thirty percent of the gross consideration charged shall be deemed as value of the said taxable services i.e. to be charged at 18% GST, thus amounting to an overall tax rate of 8.9 %. Further, if any change /amendment in thereof, same will be applicable.
- 25. The price quoted should be FOR anywhere in the State of Haryana inclusive of all taxes and duties, custom duty, excise duty, service tax, sales tax, C.S.T., local taxes, GST, Income tax, Surcharge on income tax etc. if any, including 7years warranty (or as notifies in the bid) of the complete system/plant. A supplier/contractor shall be entirely responsible for all taxes, duties, license fees, etc. All taxes payable as per Government income tax & service tax norms will be payable by the contractor. If any new tax/duty is levies during the contract period the same will be borne by the firm exclusively. TDS will be deducted from the payment of the contractor as per the prevalent laws and rules of Government of India and Government of Haryana State in this regard.
- 26. Under no circumstances will a father or his son or their close relation or the partner of one firm be allowed to tender as separate tender. A breach of this condition will cause the tenders of such parties liable for rejection, forfeiture of their earnest money and the firm may be black listed.

27. The firm (s) tendering shall clearly mention in their tender whether any of the close/near relative of their management/ management of sister concerned firms is in the employment of the HAREDA/Department of New & Renewable Energy, Haryana and in case their close/near relative is in employment of the HAREDA/Department of New & Renewable Energy, Haryana then his/her name, designation and place of posting to be mentioned.

If the tendering firm not disclose and furnish the correct information as required in above clause, then his earnest money and/or Performance Security Deposit may be forfeited and in case the contractor has been awarded the work, the same may be cancelled. For concealing any information the firm may be black listed.

Note:

The word “Close/Near Relative” mentioned in the above clause means father, mother, brother, sister, brother-in-law, sister-in-law, daughter-in-law, daughter, father-in-law, mother-in-law, son, son-in-law, first cousin of self/spouse, spouse, father-in-law and mother-in-law of son/daughter.

28. Bidder who is manufacturer of Solar PV Modules or Solar Cells or Lithium battery and manufacturing the said item (s) in its unit and having valid test report of, tested as per MNRE, GOI latest guidelines/BIS for minimal technical specifications of the tender document in its own name (the bidder) issued by MNRE/NABL/IEC accredited testing center shall be treated as manufacturer for getting the benefits of concession under MME/MSME policy. The test report shall be issued by the date of closing the tender and shall be valid as on date of opening of the technical bid. The bidder shall have manufacturing facility of the said item, with testing facility, in its unit.
29. If any bidder provides false information or conceals the facts regarding debarred/blacklisted, experience, turnover or other conditions mentioned in this tender, Nodal agency reserves the right to forfeit both EMD & Performance Bank Guarantee of the bidder, to black list the bidders, to cancel the contract and other punitive action.

Note: The format of the Technical Bid/ Index for the Technical Bid Documents will be as per **Annexure-IA** of this document and the bidders are requested to upload their Technical Bids on the Portal with index as provided in **Annexure-IA**.

In case of non submission of required Eligibility Documents as at Annexure-IA, the bid of the firm will not be considered and no further chance will be given for the submission of these documents. However, clarification, if any, of already submitted documents may be obtained in case required as per the rules.

- C. **Standard Terms and Conditions** (wherever applicable these terms & conditions will overrule the specific terms and conditions as at Para ‘C’ above):-

1. All the annexure from ‘Annexure-1 to 12’ including ‘Schedule-B of Supply’ as part of this present DNIT are available as ‘Tender Forms’ at Link <https://dsndharyana.gov.in/downloads/> under ‘Downloads’ > ‘TenderForm’.

2. **Procurement of Stores through Rate Contract System:-**

Where ever Government considers expedient that more than one supplier/ manufacturers should be kept on rate contract, it may so decide on case to case basis subject to conditions available at **Annexure ‘1’**.

3. EMD:-

The firms are required to deposit Earnest Money as indicated above failing which the tenders are liable to be rejected. Manufacturing Micro & Small Enterprises (MSEs) of the State, Startups/ First Generation Entrepreneurs of the State, Central or Haryana Public Sector Enterprises and “approved sources” as declared by the Industries Department, Haryana, are exempt from the deposit of EMD. The condition at Sr. No. 7 of “Instructions to Tenderers of the TENDER FORM” shall be deemed to be amended to this extent as per provisions contained at Para 13(i)(ii) of G.O. No.2/2/2010-4I-BII of dated 28.05.2010 (**Annexure-2**), Para no 3(A)(ii) of G.O. No. 2/2/2016-4I BII (1) of dated 20.10.2016 (**Annexure-3**) and Sr. No. 2 of the Table of G.O. No.2/2/2016-4IB-II dated 03.01.2019 (**Annexure-4**) (or as amended from time to time in this regard)

The condition at Sr. No. 6 of Annexure “A” - “Conditions with TENDER FORM” shall be deemed to be cancelled. (Amendments with effect from may 28, 2010)

4. Performance Security:

The successful tenderer shall be required to deposit Performance Security Deposit as per provisions contained in Govt. of Haryana G.O. No. 2/2/2016-4IBII(2) dated 20.10.2016 (**Annexure-5**) as under:-

Sr. No.	Type of Firm/Enterprises	Value of Performance Security Deposit
1	Haryana based firms:- (i) # Haryana Based Micro and Small Enterprises (MSEs) (ii)Haryana based other firms/ enterprises	(i) @0.2% of the value of contract (ii) @2% of the value of contract
2	Other States/ UTs based firms	@5% of the value of contract
# Haryana based MSEs will be eligible for performance security deposit @ 0.2% who have filed SSI Certificate/EM Part-II/Udyog Aadhaar Memorandum (UAM)/Udyam Registration in Haryana and who participate directly in the tendered/quoted items and offering to supply the entire Work/Supply Order by their enterprise.		

The performance security in excess of the EMD already deposited can be submitted in the shape of Demand Draft/Call Deposit Receipt/Banker's Cheque or in the shape of equivalent Bank Guarantee of any scheduled bank with branch in Chandigarh/ Panchkula. The condition at Sr. No. 8 of “Instructions to Tenderers of the TENDER FORM” shall be deemed to be amended to this extent as per provisions contained G.O. No. 2/2/2016-4IBII(2) dated 20.10.2016 (**Annexure-5**) (or as amended from time to time in this regard)

5. Price Fall Clause:

Price fall clause will be as per condition no. 15 of “General Conditions of Supply” as available at **Annexure-10**. The same is that the price quoted in the tender/quotation or approved in the Rate Contract for the stores shall not exceed in any way the lowest price at which the tenderer quote for the supply the stores of identical description to DGS&D, New Delhi/ State Government Institutions/Undertakings/any other person during the delivery period/currency period of the rate contract. If, at any time during the delivery period/currency period, the successful tenderer reduces the

rates/sale price of the quoted stores to any person at the price lower than the price chargeable under the supply order/ rate contract, the tenderers should forthwith notify such reduction and inform this office and the price payable under the supply order/contract for the stores supplied after the date of coming into force of such reduction of the rates shall stand correspondingly reduced to that level. The successful tenderers shall promptly notify the reduction of rates to this office as well as to the concerned Indenting Officer/ Consignees. The tenderer shall also give a certificate on their bills that the rates charged by them are not in any way higher to those quoted by them to the DGS&D, New Delhi and other State Government etc., during the corresponding period. The Indenting Officer shall be required to ensure that requisite certificate is given by the concerned firm on the bills before releasing their payments.

6. **Penalty to firm on Delay in delivery:** Should the contractor fail to deliver or dispatch any consignment within the period prescribed for such delivery or dispatch stipulated in the supply order, the delayed consignment will be subject to 2% penalty per consignment per month recoverable on the value of the stores supplied. The other details will be as per provision contained in Sr. No. 14 of "Schedule-'B' Condition of Contract".

7. The bidders are required to quote the basic rates, the delivery/ transportation costs/ applicable GST and duties etc, and the place of billing for the supply of stores clearly and separately. The bidders are required to intimate the place of billing.

8. **Penalty Clause for Department/ Govt. Agencies for delay in Payment**

Delay in payments to the suppliers beyond the stipulated credit period indicated in the supply order, unless supported by cogent reasons and approved by a higher authority, will attract penal interest on the defaulting amount @ Rs. 25/- per rupees one lakh per day of delay beyond the stipulated credit period. Non provision of adequate budget will be no ground for delay in payments to the supplier. This is as per provisions contained at Para 17 of G.O. No.2/2/2010-4I-BII of dated 28.05.2010 (or as amended from time to time in this regard)

9. **Negotiation of Rates**

Regarding negotiations of rates, policy issued by the State Government vide G.O. No.2/2/2010-4-IB-II dated 18.06.2013 (**Annexure-1**), G.O. No.2/2/2010-4-IB-II dated 16.06.2014 (**Annexure-6**), G.O. No.2/2/2010-4-IB-II dated 09.02.2015 (**Annexure-7**) and dated 26.05.2023 (**Annexure-7-A**) will be applicable.

10. **Concession to MSMEs of State:**

The State Government has notified "Haryana State Public Procurement Policy for MSME - 2016" vide G.O. No. 2/2/2016-4I BII(1) dated 20-10-2016 (**Annexure-3**) and amendment vide G.O. No. 2/2/2016-4IB-II dated 11.12.2019 (**Annexure-8**) and as amendment vide G.O. No. 2/2/2016-4IB-II dated 13.08.2021 (**Annexure-8-A**) which will be applicable in respect of concessions to Haryana based MSMEs and KVIs. For claiming the relevant concession/s like Tender Fee, Earnest Money Deposit (EMD), Turnover, Exemption in respect of Past Performance & Experience, Purchase Preference and Performance Security, the bidders are required to submit the documentary proof from Government authorities showing that they come under Haryana based manufacturing MSME/KVI units as the case may be e.g. *Entrepreneurs Memoranda in Haryana in bidder's name and further subject to fulfillment of eligibility criteria as provided in the said Policy of 2016.

***Note:-** To claim the concessions/benefits under the above policy, the bidder is required to submit SSI Certificate/Manufacturing Entrepreneurs Memorandum (part-II) issued by the Industries Department Haryana in respect of the quoted item / Udhya Aadhaar Memorandum (UAM)/Udhya Registration of Haryana based manufacturing enterprises in respect of the quoted item (*Ref. Industries & Commerce Department Haryana Memo No.TS/DS&D/11389-A Dated 03.07.2018*) and further subject to fulfillment of eligibility criteria as provided in the said Policy of 2016 and amendments from time to time.

11. Concession/benefits to Startups/First Generation Entrepreneurs of State:

The State Government has notified "Concession/benefits in Public Procurement to Startups/First Generation Entrepreneurs of State" issued vide G.O. No. 2/2/2016-4I B-II dated 03.01.2019 (**Annexure-4**)(or as amended from time to time in this regard) which will be applicable in respect of concessions to Startups/First Generation Entrepreneurs of State. For claiming the relevant concession/s like Tender Fee, Earnest Money Deposit (EMD), Turnover, Exemption in respect of Past Performance & Experience, Purchase Preference and Performance Security, the bidders are required to submit the documentary proof as per the said policy.

12. In case of evidence of cartel formation by the bidder(s), the EMD is liable to be forfeited along with other actions as are permissible to Government like filing complaints with the Competition Commission of India and/ or other appropriate forums.

13. Purchase Preferences for approved Sources

The Director, Supplies & Disposals, Haryana, reserves the right to allow purchase preference to the approved sources, including Central or Haryana State Public Sector Undertakings/Enterprises, provided that such approved source takes part in the bidding process and the quoted prices of the approved source is within 10% of the lowest acceptable price, other things being equal. However, such purchase preference would be available to the approved source only at the lowest acceptable price. The latest list of Approved Source is contained in Government Order no. 6/03/2007-4IB-II dated: 14-02- 2008 (or as amended from time to time in this regard) of the Industries Department and is subject to further amendment from time to time.

14. Penalty clause for rejected samples/ material offered by the Bidder:

In case, the material offered for inspection by the firm fails to meet the specifications stipulated in NIT/Order/Contract and the samples are rejected by the Inspecting Committee, the Indenting Department will have the right to levy a penalty at 0.1% of the total order value. In case, the material offered for inspection fails during the 2nd inspection also, the Indenting Department will have the right to increase the penalty to 0.25% of the total order value. In case, the material offered fails during the 3rd and final inspection also, the firm will be liable for penal action including forfeiture of security, risk purchase, debarring/ blacklisting in future, and no further opportunity for inspection would be provided to the supplier firm.

15. Grievance Redressal Mechanism for dealing with the representations/ complaints/ letters of the participating bidders/ firms:

A time bound Grievance Redressal Mechanism for dealing with the representations/ complaints/ letters of the participating bidders/ firms in the tendering process in the State Public Procurement will be governed by State Government Policy issued vide G.O No.2/2/2016-4I-B II of dated

25.07.2016 (**Annexure-9**) and as amendment vide G.O. No. 2/2/2016-4IB-II dated 27.08.2021 (**Annexure-9-A**) and as amendment vide G.O. No. 14/16/2023-6FA dated 19.06.2023 (**Annexure-9-B**). All the bidders/ firms who want to make any representation/ complaint against any issue related to their technical scrutiny of the bids may do the same within 5 working days (up to 05:00 P.M. of the Fifth Working day) of the date of issue of letter/ intimation regarding their **As per NIT/ Not as per NIT status**. They have to ensure that their communication is delivered/ reached within 5 working days and delay in postal will not be counted as a valid reason. No representation/ complaint in whatsoever manner from the bidders/ firms will be entertained after the opening of Financial Bid.

16. Preference to Make in India:- The public procurement in the State in reference to “Preference to make in India” shall be governed by Govt. Order No.02/08/2020-4IB-II dated 18.11.2020(**Annexure-11**)(or as amended from time to time in this regard)

17. Restriction in Public procurement from bidders of certain Countries:- The restriction on procurement from bidders from a Country or Countries on grounds of Defense of India or matters directly or indirectly related thereto including National Security shall be governed by Govt. Order No.02/09/2020-4IB-II dated 10.12.2020(**Annexure-12**)(or as amended from time to time in this regard).

18. Arbitration Clause

The Arbitration if any will be decided as per the provision contained at Sr. No.18 of “Schedule ‘B’ Conditions of Contract”

19. Jurisdiction

All disputes will be settled within the jurisdiction of the Head Quarters of Director, Supplies & Disposals, Haryana at Panchkula

20. Blacklisting

Blacklisting/Debarring:-Affidavit on Non Judicial Stamp Paper duly certified by the Notary as per Annexure-13 Stating that our firm [Name of the firm] has not been blacklisted / Debarred in Govt. Deptts./ Boards/ Corporations/ Federations/ Agencies /any Autonomous Bodies in State of Haryana and other State/ Central Government Departments/Agencies etc. as on the date of submission of the bid in the present tender.

It is further certified that no EMD/Bank Guarantee of our firm (Name of the firm) has been forfeited in last 02 years in Govt. Deptts./ Agencies as referred above as on the date of submission of the bid in the present tender.

D. OTHER TERMS AND CONDITIONS

1. The firms are required to mention bifurcation of their rates showing the detail of Basic Rates, GST, Duties etc. in their bid. In case, the supplies are delayed by the firm beyond the stipulated delivery period & there has been any upward revision in the rates of GST/ Duties ON THE CONTRACTED ITEM, no such increase will be allowed. However, if there has been any reduction in GST/Duties, the same will be availed. No variation in GST/ Duties on raw material will be applicable.
2. All documents to be submitted by the tenderers with their offer should be self attested in case the same are copies of original documents.
3. The Earnest money of the tenderers will be forfeited to Govt. account and blacklisting/ debarring besides other penal action, if they withdraw their offer/ rates or modify the terms & conditions of the same at any time during the validity of their offer before acceptance.

6. The Bid i.e. Technical Bid as well as Financial Bid is to be submitted online on web portal <https://etenders.gov.in/eprocure/app>. The Technical Bids uploaded on the portal should have proper indexing and page numbering on all the documents forming the Technical bid. SUPPLIES & DISPOSALS DEPARTMENT, HARYANA, Bays No. 3-6 2nd Floor, Sector-02, Panchkula-134112 (Haryana) Ph.:- 0172-2570121, 123, 124. Fax No.:- 0172-2570122. E-mail:- supplies@hry.nic.in , website:- dsndharyana.gov.in Any supporting documents if required is to be submitted in online mode only along with their Technical Bids by due date and time.
7. The Financial bid/s of only those bidders/ items will be opened who qualify on the basis of their Technical Bids and wherever required approval of samples. The date & time of opening of the Financial bids will be intimated in the due course.
8. The offer without prescribed Earnest Money, Tender Fee & E-Service fee is liable to be summarily rejected. The deficiency in the remaining documents and tender requirement can be made subject to the decision by Director, Supplies & Disposals, Haryana, Panchkula
9. The quantity of Stores can be increased or decreased.
10. Notwithstanding anything contained in the Tender, Supplies & Disposals Department Haryana reserves the right to accept or reject any Bid, and to cancel the bid process and reject the Tender, at any time, without thereby incurring any liability to the affected Bidder or Bidders and without any obligation to inform the participating/affected Bidder (s) the reason for such decision.
11. Other terms & conditions as contained in various Annexure/ Documents as available under the folder [https://dsndharyana.gov.in/downloads/“TENDER FORMS”](https://dsndharyana.gov.in/downloads/TENDER%20FORMS) as available at the link [https://dsndharyana.gov.in/](https://dsndharyana.gov.in/downloads/) downloads/ under ‘Downloads’ > ‘Tender Form’ form part of this DNIT.
12. Instructions to bidder on Electronic Tendering System. Registration of bidders on e-Procurement Portal, Information about Digital Certificate, Instructions about Online Payment of Tender Document fee/e-Service Fee/Earnest Money, Important Instructions & Help manual for online bidding and other General issues option available on Home page of NIC e-procurement portal i.e <https://etenders.hry.nic.in>. In case bidders need any clarifications or if training required to participate in online tenders they can contact office Timings of Help-desk support & Contract Details:- The detail may be seen under “Contract US” option available on Home Page of NIC eProcurement portal i.e <https://etenders.hry.nic.in>. For support related to Haryana Tenders in addition to Helpdesk:- In addition, For support related to Haryana Tenders in addition to helpdesk you may also contract to following:- E - mail: eproc.nichry@yahoo.com Desk: 0172-2585125.

Executive Engineer,
For & on behalf of Governor of Haryana.

TECHNICAL SPECIFICATIONS

A Solar PV White- LED High Mast Light consists of white LED luminary of maximum 4 X22 Watt (LED + Driver) as per configuration along with solar PV modules and battery of given capacity, necessary control electronics-inter connecting wires / cables, module mounting structures etc. to operate the load for dusk to dawn or as per provision in the charge controller. The broad performance specifications of a White Light Emitting Diode (W-LED) light source based solar street lighting system are given below: -

BROAD PERFORMANCE PARAMETERS

PV Module	Only indigenous modules shall be used in the Project. SPV module aggregate capacity 440 Wp (110 Wp X 4 Nos.) at under STC. Module Voc minimum of 21V
Battery (LiFePO4)	Lithium Ferro Phosphate battery aggregative capacity 12.8 Volt 200 Ah(50Ahx4 nos) 12.8 Volt 50 Ah of one unit.
Light Source	White Light Emitting Diode (W-LED) 4x22 Watt (LED +Driver) Using LEDs which emits ultraviolet light will not be Permitted
Light Out put	White colour (colour temperature 5500-6500 K). Lumen efficacy of LED- min 150 lumens/Watt @350 mA. The illumination should be uniform without dark bands or abrupt variations, and soothing to the eye. The lumens output of each luminaire should not be less than 3000 lumens. The lux level over a 16 meter of radius should not be less than 5% at the point mentioned below in the lux level distribution chart. The average Lux should be min 8.0 lux and average/min = min 0.25. Higher light output will be preferred.
Pole	Pole of hot deep Galvanized Iron Octagonal in single length for 7.0 mtr height
Duty cycle	Dusk to dawn with following inbuilt dimming provision in the Charge Controller :- First 3 hours full light (min. 8.0 lux), 60% for next 3 hours (min. 5 lux) and rest of time at lower light (50%, min. 4 lux) level. (Higher light output will be preferred).

MINIMUM TECHNICAL REQUIREMENTS / STANDARDS**SPV MODULES:**

- i. Domestically manufactured PV Module with domestically manufactured solar PV cells should be used.
- ii. The PV modules should be made up of crystalline silicon solar cells and must have BIS certificate for IS 14286& IS 61730 (Part-I, Part II).
- iii. The efficiency of the PV modules should be minimum 19%.
- iv. PV modules must meet the latest specification of MNRE and the models and Manufacturers of PV Modules shall be included in the List of Models and

- Manufacturers for Solar PV Modules empanelled by MNRE as per its ALMM order (and also valid at the time of supply of material) from time to time. The PV modules used must qualify to the latest BIS standards Crystalline Silicon Solar Cell Modules. In addition, the modules must conform to IS 61730 Part-1 - requirements for construction & Part 2 - requirements for testing, for safety qualification or equivalent Indian Standard (IS).
- v. The module frame shall be made of corrosion resistant materials, preferably having anodized aluminum.
 - vi. Other general requirement for the PV modules and subsystems shall be the Following:
 - a. The rated output power and efficiency of any supplied module should not be less than the power and efficiency defined in the bid. No negative tolerance shall be allowed.
 - b. The module shall be provided with a junction box with weather proof lid of sealed type and IP-65 rated.
 - c. I-V curves at STC shall be provided with the module.
 - vii. The module should have the following minimum information laminated inside the module.
 - Made in India (to be subscribed in words)
 - Company name /logo
 - Model number
 - Serial number
 - Year of make
 - viii. **Warranties:**
 - a. Material Warranty:
 - b. Material Warranty is defined as: The manufacturer should warrant the Solar Module(s) to be free from the defects and/or failures for a period of ten (10) years from the date of commissioning of the system.
 - i. Defects and/or failures due to manufacturing (it should indicate the voltage and rated wattage of the module)
 - ii. Defects and/or failures due to quality of materials
 - iii. Non conformity to specifications due to faulty manufacturing and/or inspection processes. If the solar Module(s) fails to conform to this warranty, the manufacturer will repair or replace the solar module(s), at the owner's sole option.

B. Performance Warranty: The predicted electrical degradation of power generated not exceeding 20% of the minimum rated power over the 25-year period and not more than 10% after ten years' period of the full rated original output.

Note: PV Module/s must have to be supplied as per the latest MNRE guidelines and specifications applicable at the time of supply.

LITHIUM-FERRO-PHOSPHATE (LI-FE-PO4) BATTERY:

1. Battery bank should consist of prismatic LiFePo4 cells of minimum 3.2V (nominal) 10Ah rating.
2. Battery pack should have proper 'Battery Management System' (BMS) for cell balancing, over charge and over temperature protection.
3. Battery should BIS certified with IS: 16046 (Part-2): 2018 from approved laboratory.
4. Capacity of the battery shall not be less than 12.8 V (nominal), 50 Ah at STC, 640 Watt Hour for one unit. The total capacity of battery should be 640x4=2560 Watt Hour.
5. The battery cycle life should be 2000 cycle at 95% discharge.

6. BMS (Battery Management System) should be part of battery pack and battery pack enclosure should be as per standard. The battery pack should be integrated with the system in such way that it is theft proof and not removable from system. It should be installed with combination of module structure/luminaire. The height of battery pack will be approximate, 6.5 meters above the ground.
7. The system must withstand wind velocity of 180 km/hr. The battery pack should be capable of high rate of heat dissipations. The battery box should be acid proof and corrosion resistant, hot dip galvanized metallic box (IP 65) with anti-theft locking arrangement.
8. The battery should operate between temperature range of 0-degree C to 55-degree

C. The other feature of the battery should be:

Sr. No.	Description	Specifications
1	Battery Configuration	12.8V- 200AH; Li-fe-PO4 (4x50AH)
2	Working Temperature Range (both for charging & discharging)	0-60 deg C
3	Storage Temperature Range	@ 0-25 Deg- 6 months
4	Cycle Life (Full charge to full discharge @25deg C before capacity of battery falls below 75%)	more than 2000 Cycles
5	Battery Warranty	7 years (seven years)
6	Min. Capacity of Individual Cells	3.2V cell of 10 AH, 50AH
7	Type of Cell	Prismatic
8	Nominal Capacity	12.8 volt - 50AH of one unit
9	Nominal Voltage	12.8V
10	Voltage Range	10.5V - 14.6V
11	Total Energy	640 WHr
12	Rated Charging current	25 Amps
13	Maximum Charging current	20 Amps
14	Maximum Discharging Current	25 Amps
15	Discharge Cut off Voltage	>10.5V
16	Over Charge Cut off Voltage	14.4V+/- 0.2V
17	Charging Time	Around 5 - 5.5 Hours

LIGHT SOURCE:

1. The light source will be of white LED type The color temperature of white LEDs used in the system should be in the range of 5500-degree K - 6500-degree K. Use of LEDs which emits ultraviolet light will not be permitted. The temperature of heat sink should be not increase more than 20 degree centigrade above ambient temperature during the dusk to dawn operation.
2. The illumination should be uniform without dark bands or abrupt variations, and soothing to the eye. Higher light output will be preferred. The light output from the white LED light source should be almost constant. The lamps, DC-DC driver and

- battery with battery management system (BMS) should be housed in aluminium die-casted casing suitable for outdoor use and shall comply with IP65.
3. The lamps should be housed in an assembly suitable for outdoor use and shall comply with IP65. The LED housing should be made of pressure die cast aluminium having sufficient area for heat dissipation and heat resistant toughened clear glass/ high quality poly carbonate fitted with pressurized die cast aluminium frame with SS screws.

The temperature of heat sink should not increase more than 30 degree C above ambient temperature even after 48 hrs. of continuous operation. This condition should be complied for the dusk to dawn operation of the lamps while battery operating at any voltage between the loads disconnect and charge regulation set point.
 4. High power LED of minimum 1 watt each capacity capable to withstand maximum 1 amp driving current having lens angle greater than 120 degree shall be used. The LED of reputed make having LM 80 and LM 79 test report shall only be used.
 5. The LED efficacy should be more than 150 lumen / watt @ 350 mA, the total luminaire efficacy should not be less than 135 lumens per watt. (Including all losses) i.e the lumens output of each luminaire should not be less than 3000 lumens.
 6. All LED in circuit must be connected in series only. It must incorporate fail short mechanism in all LEDs. The LEDs used in the luminaire should have life time more than 50,000 hrs.
 7. The lumen depreciation of LED shall not be more than 30% even after 50,000 burning hours.
 8. Power consumption (input and output) of each LED Luminaire/Lighting unit shall not be more than 22 W (including LED Driver power loss).
 9. The lux level over a 16 meter of radius should not be less than 5% at the point mentioned below in the lux level distribution chart.

The chart is plotted for 6.5-meter-high, with lamp bracket arm of 1 meter with 5 degree. Grid spacing 1x1 meter. Maintenance factor 0.8. The average Lux should be min 8 lux and average/min = min 0.25.
 10. Other Parameters :
 - a. LED DC current regulation - better than 3 %
 - b. Input - 12 VDC
 - c. Driver Type- DC-DC (as per IEC 62384)
 - d. CRI - 70 % Typical
 - e. Lighting quality- Free from glare and flickering and UV
 - f. Ambient temp- up to 50deg
 - g. DC to DC convertor efficiency > =90%
 11. The connecting wires used inside the luminaries, shall be low smoke halogen free, fire retardant e-beam cable and fuse protection shall be provided at input side.
 12. Auto resettable reverse polarity protection shall be provided.
 13. LED lighting unit shall comply with LM -79-08 Standards and copy of test certificate should be submitted.
 14. The make, model number, country of origin and technical characteristics of white LEDs used in the lighting system must be furnished.
 15. The luminaries must have light distribution polar curve. The bidder should submit the polar curve of luminaries in LM 79 report.
 16. The luminaire should be tested for all type tests as per IS 10322 Part 5 Sect 3 or IEC 60598-2-3 standards.

ELECTRONICS

MPPT charge controller to maximize energy drawn from the Solar PV array. The MPPT charger shall be microcontroller based. The PV charging efficiency shall not be less than 90% and shall be suitably designed to meet array capacity. The charge controller shall confirm to IEC 62093, IEC 60068 as per specifications.

MPPT Charge controller to maximize energy drawn from the solar PV array. The MPPT Charger should be microcontroller based. The charge controller should have:

SOLAR CHARGE CONTROLLER

Sr. No.	Description	Specification
1	Charge controller Type	MPPT type -Maximum Power point Tracking.
2	Charge controller Rating @ Related Voltage	10 Amps
3	Module Rating	110 Wp @ 16.4 volt $\pm$ 0.2 V, if MPPT is not used with positive tolerance
		36 Cell configuration
		Voc- > 21 Volts
		Vmp-16.4 volt $\pm$ 0.2 at STC without MPPT

- i. Protection against polarity reversal of PV array and battery, Over Current, Short Circuit, Deep Discharge, Input Surge Voltage; Blocking Diode protection against battery night time leakage through PV Module.
- ii. Electronics should operate 21volt and 11.2 volt and its efficiency should be at least 90 %.
- iii. The system should have protection against battery overcharge and deep discharge conditions. The numerical values of the cut off limits of lower voltage should not be less than 11.2 Volt and over voltage cutoff should be 14.6V.
- iv. Full protection against open circuit, accidental short circuit and reverse polarity should be provided
- v. Charge controller shall have automatic dusk-dawn circuit based on SPV module as sensor for switching on/off the high mast light without manual intervention. The sensor must not get triggered by impulse lighting like lightning flashes and fire crackers.
- vi. The self-consumption of the charge controller shall not be more than 20 mA at rated voltage and rated current.
- vii. Adequate protection shall also be incorporated under no-load conditions (i.e. when the system is ON & the load (LED Lamp is removed).
- viii. The system should be provided with 2 LED indicators: a green light to indicate charging in progress and a red LED to indicate deep discharge

condition of the battery. The green LED should glow only when the battery is actually being charged.

- ix. All capacitors shall be rated for max. temp of 105°C.
- x. Resistances shall preferably be made of metal film of adequate rating.
- xi. Device shall have adequate thermal margin should be at least 25 degree below the allowable junction temperature while operating at an ambient temperature of 55 degree C and full load.
- xii. Fibre glass epoxy of grade FR 4 or superior shall be used for PCB boards.

Preferably the electronics (both charge controller and driver) should be housed in a box and installed on pole suitably in order to perform the repairing of electronics quickly without removing the whole luminaire.

TECHNICAL REQUIREMENT/STANDARDS

Item / System	Applicable BIS /Equivalent IEC Standard Or MNRE Specifications	
	Standard Description	Standard Number
Solar PV Systems	Crystalline Silicon Terrestrial PV Modules	IEC 61215 edition II / BIS 14286 and IEC 61730 part-1 and part-2 Test Certificates / Reports from IECQ / NABL/ MNRE accredited laboratory for relevant IEC / equivalent BIS standard.
Charge Controller/MPPT Units and Protections		IEC 62093 Equivalent BIS Std.
Storage Batteries	LiFePo4	Tested as per IS 16046 (Part 2):2018
Cables	2.00 mm DC Cable	EN 50618 DC Cable
Luminaries and Charge Controller housing		IP65
LED	LED performance Luminary performance	LM -80-08 LM 79-08

MECHANICAL HARDWARE

1. A galvanized metallic frame structure to be fixed on the pole to hold the SPV module(s). The frame structure should be fixed at 30 degrees from horizontal facing true south.
2. The pole should be hot deep Galvanized Iron Octagonal pole in single length for 7.0 mtr. height as per specification as under:
 - i. The Octagonal poles shall be hot deep galvanized. The material of pole shall be as per specification of BS EN 100025, ISO 1461.
 - ii. The size of the pole shall be min 75 mm at Top side, 150 mm at bottom side with thickness of 4 mm minimum.
 - iii. The base plate of pole shall be of size 260 X 260 X 18 mm duly welded to pole.
 - iv. Pole should have the arrangement at top for mounting of Solar panel of design capacity with mounting structure at an angle of latitude ± 20 degree.

- v. The four LED luminaire shall be mounted on this pole at height of 6.5 meter from pole bottom.
- vi. The pole shall be mounted on suitable RCC foundation at least 1.25-meter-deep and 0.5 meter above ground with 4/6/8 bolt of min 20 mm size.
- vii. The Nut -Bolts in battery box and panel structures should be proper riveted to ensure the theft.

BATTERY BOX:

The battery box should be corrosion resistant, hot dip galvanized metallic box (IP65) with anti- theft locking arrangement. The size of box should be as per battery pack size. The battery box is to be properly rest/mounted on pole approx. 6.5 meters of height from ground level. The edges of box should be turned properly to give smooth edge and good strength. Components and hardware shall be vandal and theft resistant. All parts shall be corrosion-resistant.

ELECTRIC CABLE

The electric cable used shall be twin core PVC insulated water and UV resistance copper cable of minimum size 2.00 mm thickness. Cable shall meet EN 50618 standard for DC cables.

OTHER FEATURES

A toll free number is to be embossed/ punch/ permanent painting on pole between 1-1.5 meter above from ground level by contractor/ bidder, which in case of non- working/ operational problems etc of system will be dialed by the beneficiary etc to lodge a complaint in respect of system problems. The contractor/ bidder will have to rectify the same to make/ restore the system to working position within 72 hours in the warrantee period of 7 years, failing which the system may be get rectified on contractor/ bidder cost and the cost will be recovered by contractor/ bidders pending claims what so ever and appropriate action as per noncompliance etc of agreement will be considered/taken.

INSTALLATION OF SYSTEM:

The system should be properly installed at site. The SPV module mounting structure along with telescopic octagonal pole should be properly grouted depending upon the location and requirement of the site. The grouting should be such that it should withstand the maximum wind speed /storm of 180 kmph. The pole should be rest on a suitable foundation. (RCC Foundation with iron rings size 600 mm x600 mm x 1250 mm deep and 500 mm above the ground level. must have 4/6/8 nos. foundation bolts of 1200 mm & 20mm dia.) Adequate space should be provided behind the PV module/array for allowing un-obstructed air flow for passive cooling. Cables of appropriate size should be used to keep electrical losses to a bare minimum. Care should be taken to ensure that the battery is placed with appropriate levelling on a structurally sound surface. The control electronics should not be installed directly above the battery. All wiring should be in a proper conduit or capping case. Wire should not be hanging loose. Any minor items which are not specifically included in the scope of supply but required for proper installation and efficient operation of the SPV systems is to be provided by the manufacturer as per standards.

WARRANTY

The mechanical structures, electrical works including power conditioners/inverters/charge controllers/ maximum power point tracker units/distribution boards/digital meters/

switchgear/ storage batteries, etc. and overall workmanship of the systems must be warranted against any manufacturing/ design/ installation defects for a minimum period of 7 years. The warranty & maintenance is elaborated as under:-

- The PV modules will be warranted for a minimum period of 25 years from the date of supply. (Output wattage should not be less than 90% at the end of 20 years and 80% at the end of 25 years).
- The mechanical structures, electrical components including battery and overall workmanship of the Solar PV White- LED High Mast Light Systems must be warranted for a minimum of 7 years from the date of commissioning and handing over of the system..
- The Comprehensive Maintenance (within warranty period) shall be executed by the firm themselves or through the authorized dealer/ service center of the firm in the concerned district.
- Necessary maintenance spares for seven years trouble free operation shall also be supplied with the system.
- The contractor/ bidder shall be responsible to replace free of cost (including transportation and insurance expenses) to the purchaser whole or any part of supply which under normal and proper use become dysfunctional within one month of issue of any such complaint by the purchaser.
- The service personnel of the Successful Bidder will make routine quarterly maintenance visits. The maintenance shall include thorough testing & replacement of any damaged parts Apart from this any complaint registered/ service calls received / faults notified in the report generated by the IVRS should be attended to and the system should be repaired/ restored/ replaced within 3 days.
- A separate Service & Maintenance passbook shall be maintained of the supplied systems as per the format provided by HAREDA. The deputed personnel shall be in a position to check and test all the components regularly, so that preventive actions, if any, could be taken well in advance to save any equipment from damage. Any abnormal behavior of any component shall be brought to the notice of HAREDA for appropriate action.
- Normal and preventive maintenance of the Solar PV White- LED High Mast Light systems such as cleaning of module surface, topping up of batteries, tightening of all electrical connections, cleaning & greasing of battery terminals, also the duties of the deputed personnel during quarterly maintenance visits.
- During operation and maintenance period of the Solar PV White- LED High Mast Light systems, if there is any loss or damage of any component due to miss management/miss handling or due to any other reasons pertaining to the deputed personnel, what-so-ever, the supplier shall be responsible for immediate replacement/rectification. The damaged component may be repaired or replaced by new component.

TRACEABILITY OF THE PRODUCT TO BE SUPPLIED

In order to prevent the misuse of the product such as unauthorized sale or diversion to the open market, the following incorporation shall be made in the product.

- a. Engraving (or) Screen printing of HAREDA with logo at a suitable place on the main components viz., SPV Panel, Battery, LED Lighting Units to be used in the installation of the solar high mast lighting systems.
- b. The unique system ID number as provided by HAREDA shall be embossed or punch or permanently riveted on each pole and battery box of the system. The UID number painting or marking will not be allowed.

INFORMATION IN SUPPORT OF MEETING ESSENTIAL ELIGIBILITY CONDITIONS REGARDING AVERAGE ANNUAL TURNOVER OF THE BIDDER IN LAST THREE FINANCIAL YEAR ENDING 31.3.2026

Annual turnover of the bidder in last three financial year:

Name of Bidder:

Annual turnover data for last three years ending on 31 st March 2026			
Sr. No.	Year	Turnover (Rs. In Lacs)	Turnover Rupees in words
1.	2023-24		
2.	2024-25		
3.	2025-26		
4.	Average turnover in last three years ending on 31 st March 2026 $= (1+2+3)/3$		

Signature with seal of bidder

Dated:

Signature of Chartered Accountant with seal

Name _____

Name of CA Company: _____

M.No. _____

Note:

1. Bidder must complete the information in this form.
2. The information provided shall be certified by Chartered Accountant.

DECLARATION BY THE BIDDER
(To be submitted on letter head of Bidder)

Reference No:

Date:

To

The Director General,
Supplies and Disposals Department, Haryana
Panchkula (Haryana),

Subject: Supply, installation and commissioning of Solar High Mast Lighting systems in Haryana State with seven years warranty of complete system.

Madam/ Sir,

1. We have read and examined the tender documents relating to the subject cited works (hereinafter referred to as "Works") as issued by you:
2. Having examined the Tender Documents and being duly authorized we, hereby, bid for the execution, and completion of the Works referred to in the Tender Documents upon the terms and conditions contained or referred to therein and in accordance to all respects with the specifications and other details given therein.
3. 'PURCHASER' and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents, and information submitted in connection with this Bid, and to seek clarifications from our bankers and employers regarding any financial and technical aspects. This Bid shall also serve as authorization to any individual or authorized representative of any institution referred to in the supporting information to provide such information deemed necessary and as requested by you to verify statements and information provided in this application, such as the resources, experience, and competence of the Bidder.
4. We agree to keep this Bid open for acceptance for 180 days from the date of opening of Financial Bid, or such other extended period as may be required by you and also agree not to make any modifications in its terms and conditions of our own accord.
5. We agree if we fail to keep the validity of Bid open, as aforesaid, or we make any modification in the terms and conditions of our Bid of our own accord or after the acceptance of our Bid if we fail to execute an Agreement as prescribed in the Tender Documents or commence the execution of the works as provided in the Tender Documents, we shall become liable for forfeiture of the Earnest Money Deposit. In such an event you shall, without prejudice to any other right or remedy, be at liberty to forfeit the Earnest Money Deposit absolutely and take other actions as per terms & conditions of the contract.
6. We certify that the Bid submitted by us is strictly in accordance with the terms, conditions, specifications etc. as contained in the Tender Documents, and it is further certified that it does not contain any deviations to the aforesaid documents.
7. The bid is made with the full understanding that:-
 - a) Bids by qualified bidders will be subject to verification of all information submitted for qualification at the time of bidding

- b) PURCHASER reserves the right to:
- (i) Amend the scope and value of any work bid under this tender.
 - (ii) Reject or accept any application, cancel the tender process and reject all bidders by giving a written notice.
8. PURCHASER shall not be liable for any actions taken under (b) i and ii above.
9. We undertake, if our bid is accepted, and on receipt of the work order to commence the works and to complete and deliver the whole of works comprised in the contract within the period stated and in compliance with the tender documents.
10. If our bid is accepted, we will furnish Performance Security Deposit as per terms & conditions mentioned in EOI.
11. We understand that you are not bound to accept the lowest or any bid you may receive.
12. All the major items like module, battery, luminaire, wire etc. to be used in the systems shall be indigenously made.
13. We are capable of executing and completing the work as required in the tender.
14. We accept all risks and responsibilities directly or indirectly connected with the performance of the tender.
15. We have no collusion with other Bidder, any employee of DNRE & HAREDA or with any other person or firm in the preparation of the bid.
16. We have not been influenced by any statement or promises of DNRE & HAREDA or any of its employees, but only by the tender document.
17. We are financially solvent and sound to execute the work.
18. We have sufficient experience and competent to perform the contract to the satisfaction of DNRE & HAREDA.
19. We are familiar with all general and special laws, acts, ordinances, rules and regulations of the Municipal, District, State and Central Government that may affect the work, its performance or personnel employed therein.
20. Our company has never been debarred from similar type of work by DNRE & HAREDA and or any of the Government undertaking/Department.
21. We assure to execute the tendered work as per specifications, terms and conditions of the contract. If awarded to us.
22. The undersigned declare that the statements made and the information provided in the Bid including the completed applications and formats are complete, true, and correct in all aspects.

We have gone through carefully all the Bid conditions and solemnly declare that we will abide by any penal action such as disqualification or black listing or termination of contract or any other action deemed fit, taken by, the Department against us, if it is found that the statements, documents, certificates produced by us are false / fabricated.

Date of Submission:

(Signature of the Bidder)
(Seal)

Place:

DECLARATION BY THE BIDDER REGARDING QUALIFICATIONS

In relation to my/our Bid submitted to DS&D in response to their Notice Inviting Bids for Supply, installation and commissioning of Solar High Mast Lighting Systems in Haryana hereby declare that:

1. I/we possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity;
2. I/we have fulfilled my/our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the Bidding Document;
3. I/we are not insolvent, in receivership, bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceedings for any of the foregoing reasons;
4. I/we do not have, and our directors and officers not have, been convicted of any criminal offence related to my/our professional conduct or the making of false statements or misrepresentations as to my/our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
5. I/we do not have a conflict of interest as specified in the Act, Rules and the Bidding Document, which materially affects fair competition;

SIGNATURE OF AUTHORISED
SIGNATORY OF THE BIDDER
WITH SEAL

Date:

Name:

Designation:

Address:

GENERAL PARTICULARS OF BIDDER

Bid for Supply, installation and commissioning of Solar High Mast Lighting Systems in the Haryana State with seven years warranty of complete system.

1.	Name of firm	
2.	Postal Address	
3.	Telephone, Fax No	
4.	E-mail	
5.	Website	
6.	Category of Bidder/ Type of Organization The Bidder should be either a body incorporated in India under the Companies Act, 1956 or 2013 including any amendment thereto or proprietary/partnership firm/LLP. A copy of certificate of incorporation shall be furnished along with the bid in support of above.	
7.	Whether, the bidder (manufacturer of solar module/solar cell/ Lithium battery of Haryana) is any one of the following: (i) Manufacturing Micro & Small Enterprises (including Khadi& Village Industries) or (ii) Manufacturing Medium Enterprises (including Khadi& Village Industries) <i>If, the bidder Manufacturing Small & Medium Enterprises (including Khadi& Village Industries) or Manufacturing Micro Enterprises (including Khadi& Village Industries), then please mention the device/item for which it is registered. A copy of certificate of Entrepreneurs Memorandum/UDYOG AADHAR/Odyam Registration in Haryana should be furnished along with the bid in support of above.</i> OR System Integrator	

7.1	Quality Certification of ISI/ISO/AgMark/Quality mark issued from competent authority in State or Central Govt. In respect of the items/goods mentioned in the tender (Provide the required certification No. and upload the certificate with the bid).	
7.2	Is the bidder registered with DGS&D/NSIC/GOI Department/State Govt. Department/GOI PSUs/State Govt. PSUs in respect of the items/goods mentioned in the tender? (Yes/No, if yes, upload the certificate with the bid)	
7.3	If bidder is claiming benefits under “Haryana State Public Procurement Policy for MSME -2016” vide G.O. No. 2/2/2016-4I BII(1) dated 20-10-2016 and amendment vide G.O. No. 2/2/2016-4IB-II dated 11.12.2019 which will be applicable in respect of concessions to Haryana based MSMEs and KVIs for claiming the relevant concession/s like Tender Fee, Earnest Money Deposit (EMD), Turnover, Exemption in respect of Past Performance & Experience, Purchase Preference and Performance Security then the bidders are required to submit the requisite documents as required in said policy. Submit requisite Documents in this regards	
8.	Name of Directors of Company (at least Two directors with email IDs & contact Numbers)	
9.	Name & designation of the authorized signatory to whom reference shall be made	
10.	Present activities/business of the firm i. Module Manufacturer ii. Solar Cell Manufacturer iii. Lithium cell iv. System Integrator	
11.	Registration number	
	GST No.	
	PAN	
12.	Place & State of billing	
13.	Have the contractor/ firm to pay arrears of income tax? If yes up to what amount?	

14.	Have the contractor/ firm/firms having common Director ever been debarred by any Govt. Deptt. /Public Sector Undertakings for undertaking any work?	
15.	Average annual turnover of the bidder for the last three years(Rs. in Lacs)	
16.	The bidder has positive net worth in the previous Financial Year. (Yes/No)	
17.	Experience of the bidder in supply of similar work (verified by any Govt. department/organization)	
18.	Make(s) of Modules offered for the system: (Upload Tie up certificates)	
19.	Make(s) of Lithium Battery offered for the system: (Upload Tie up certificates)	
20.	Make(s) of Luminaries offered for the system: (Upload Tie up certificates)	
21.	Name of the any close/near relative working in New & Renewable Energy Department, Haryana or HAREDA	Name Designation Place of Posting Relationship
22.	Litigation history	
23.	Any Other Information	

We solemnly declare that we will abide by any penal action such as disqualification or black listing or termination of contract or any other action deemed fit, taken by, the Nodal agency against us, if it is found that the information, statements, documents, certificates produced by us are false / fabricated or any information is concealed therein.

Date

**(Signature of Bidder)
With SEAL**

TIE UP CERTIFICATE

(From Manufacturer on the letter head of the manufacturer)

We undertake to supply indigenously manufactured modules/Lithium Battery/Luminaire confirming the specifications as per DNIT/tender no. Invited by Supplies & Disposals Department Haryana to the (name of bidder) for NRE/HAREDA requirement as and when ordered by the bidder.

Dated:

Authorized Signatory

(With Seal)

(* strike out whichever is not applicable)

LITIGATION HISTORY

Name of bidder

Year	Award for or Against bidder	Name of client	Cause of litigation and matter of dispute	Disputed amount (Current value in Rs.)	Actual awarded Amount (In Rs.)

1. *Bidders should provide information on any history of litigation or arbitration resulting from contracts executed in the last five years or currently under execution.*

Signature with seal of
bidder

NET WORTH (FINANCIAL CAPABILITY)

Name of bidder

Financial information in Rs. Lakhs	Actual: For financial year 2023-2024 (Rs. In Lakhs)	Actual: For financial year 2024-2025 (Rs. In Lakhs)	Actual: For financial year 2025-2026 (Rs. In Lakhs)
Total assets			
Current assets			
Total liabilities			
Current liabilities			
Profits before taxes			
Profits after taxes			
Net worth (Paid up share capital + reserves & surplus)			
Average Net worth for last Three Years			
Net worth is Positive or Negative			

It is certified that the bidder not suffered losses for any reasons whatsoever in last three Financial Years.

Signature with seal of bidder

Signature with seal of
Chartered Accountant
Name:
M.No.

1. Bidder must fill in the form.
2. The statement of Net Worth is to be certified by a Chartered Accountant.

UNDERTAKING BY MANUFACTURER OF PV MODULE/ LITHIUM BATTERY/LUMINAIRE
(on Non Judicial Stamp Paper of Rs. 10/-)

I -----(Name of Authorized person) -----
(designation in the manufacturer company) on behalf of M/s. -----
----- (Manufacturer of Solar Module/ Lithium Battery/Luminaire),
A company incorporated under the Companies Act, 1956, having its registered office at ---
-----and Factory at -----
(hereafter called the Company) has given the undertaking as under:

1. M/s. ----- (System Integrator)
Represented by ----- A company incorporated under
the Companies Act, 1956, having its registered office at -----
----- (hereafter called the system integrator) is hereby authorized to install
the product /device.... (Solar Module/ Lithium Battery/Luminaire)
manufactured by the Company, in the State of Haryana in reference to the tender
no. invited by DGS& D Haryana for New & Renewable
Energy Department/HAREDA for supply and installation of the Solar Street Lighting
Systems/ Solar High Mast Lighting Systems , if name of System Integrator is
finalized in the rate contract and orders are received.
2. In case System Integrator defaults at any stage of execution of
warrantee/guarantee/CMC and after sale service of the said device, installed in
reference to rate contract of the said tender, then the Company will be responsible
to execute the warrantee/guarantee/CMC of the product/device
(Solar Module/ Lithium Battery/Luminaire) at site of installation as per the terms
and conditions of rate contract/DNIT of the above tender.
3. In case System Integrator defaults, the Company will adhere the directions of the
New & Renewable Energy Department/HAREDA directly.

DATED:

Sign.....

Name of Authorized person:

Designation of Auth. Person:

Name of Manufacturer Company

With seal

PERFORMA-VIII

Declaration for Comply Solar module as per ALMM compulsory Registration order

It is certified that *we are aware of binding provisions of the ALMM Order and the List(s) there under, while quoting the rates in the bid.*

Further, the Solar Module to be supplied will be indigenously produced with indigenously manufactured solar PV cells and comply with MNRE guidelines for enlistment under “Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirement of Compulsory Registration) order, 2019 and its subsequent amendments at the time of supply. We undertake that the Solar Module will comply the said order while supplying solar module with said item.

Date

(Signature of Bidder)

With SEAL

Format for Price bid for Solar High Mast Lighting Systems.

Sr. No.	Description of System	Base Rate per system with warranty for seven years (In Rs,)	Applicable GST	Total rate per system with warranty for seven years inclusive of GST at F.O.R sites. (In Rs.)
1.	Supply, installation and commissioning of Solar High Mast Lighting Systems in the State of Haryana with seven years warranty of complete system.			

Technical Bid format/ Index for the Technical Bid documents

(Tenders will be technically evaluated based on the sequence/index as per the details given below. In case the firm fails to provide the documents properly as per the Technical Bid format/Index/proper page numbering, bid of the firm can be rejected)

Sr. No.	Name of Document	Status of Submission (Yes/No)	Page Number as per numbering given to the technical bid documents uploaded on the portal
1	Submission of online payments i.e. Earnest Money Deposit, Tender Document Fee & e - Service Fee and scanned copies of supporting documents.	Yes/ No	
2	All the documents submitted by the bidder as part of its Technical Bid are attested by the signing authority of the bidder.	Yes/ No	
3	Submit an undertaking by the bidding firm in reference to acceptance of all the terms & conditions of the Schedule-A/ DNIT.	Yes/ No	
4	Submit a signed copy of DNIT.	Yes/ No	
5	Blacklisting/Debarring:-Affidavit on Non Judicial Stamp Paper duly certified by the Notary as per Annexure-13 Stating that our firm [Name of the firm] has not been blacklisted / Debarred in Govt. Deptts./ Boards/ Corporations/ Federations/ Agencies /any Autonomous Bodies in State of Haryana and other State/ Central Government Departments/Agencies etc. as on the date of submission of the bid in the present tender. It is further certified that no EMD/Bank Guarantee of our firm (Name of the firm) has been forfeited in last 02 years in Govt. Deptts./ Agencies as referred above as on the date of submission of the bid in the present tender.	Yes/ No	
6	The Bidder should be either a body incorporated in India under the Companies Act, 1956 or 2013 including any amendment thereto or proprietary/partnership/LLP firm. A copy of certificate of incorporation shall be furnished along with the bid in support of above. Submit a copy of certificate of incorporation.	Yes/ No	
7	The bidder should be a manufacturer of solar modules/solar cells/Lithium battery or System Integrator. The System Integrator has to submit the undertaking issued by each manufacturer of major	Yes/ No	

	parts/devices (solar modules, battery and luminaire) to be used in system with whom they have tie up mentioning that in case System Integrator defaults, at any stage of execution of warrantee/guarantee/CMC and after sale service of the said device, installed in reference to rate contract of the said tender, then the Company will be responsible to execute the warrantee/guarantee/ CMC of the said device at site of installation as per the terms and conditions of rate contract/ DNIT of the above tender and will adhere the directions of the New & Renewable Energy Department/HAREDA directly. Submit documentary proof.		
8	The bidder has to submit Test report of one unit (110 watt module, 22 Watt LED Luminaire, and 12.8 Volt 50 Ah LiFePO4 battery) of Solar High Mast Lighting System in its name issued by any of the MNRE / BIS / IEC/ NABL accredited laboratory on or after 01.04.2023. Bid without valid test report from MNRE / BIS / IEC/ NABL accredited laboratory will be rejected out rightly. The test report should contain the make and model of major components i.e. module, battery and Luminaire along with their photograph. Submit documentary proof.	Yes/ No	
9	Domestically manufactured PV Module with domestically manufactured solar PV cells should be used. The PV modules should be made up of crystalline silicon solar cells and must have BIS certificate for IS 14286 & IS 61730 (Part-I, Part II). PV modules must meet the latest specifications of MNRE and the models and Manufacturers of PV Modules shall be included in the List of Models and Manufacturers for Solar PV Modules empanelled by MNRE as per its ALMM order (and shall also be valid at the time of supply of material) from time to time. To bring contractual clarity, Bidders has to give explicit declaration that they are aware of binding provisions of the ALMM Order and the List(s) there under, while quoting the rates in the bid. Submit documentary proof.	Yes/ No	
10	All other major components should also be indigenously made i.e. Lithium battery and Luminaire. Submit documentary proof.	Yes/ No	
11	The bidder should have also a valid ISO 9001:2015 Certificate issued from any NABCB accredited certification body in the field of quoted item and copy of valid ISO 9001:2015 Certificate must be attached with offer.	Yes/ No	
12	The Bidder should have valid GST registration certificate of the billing state. Submit a copy of GST no and PAN no.	Yes/ No	
13	The Successful Bidder shall be required to establish	Yes/ No	

	at least one Service Centre at Divisional Level in their area of operation in Haryana. Submit undertaking.		
14	Bidder should have minimum average annual turnover of Rs. 890.00 Lakhs in the last three years, ending 31 st March of the previous Financial Year i.e. up to 2025-26. <i>Submit the annual Turnover Certificate in given format duly certified by CA.</i>	Yes/ No	
15	Bidder should have successfully completed similar contracts of cumulative cost not less than Rs. 1180.00 Lakhs to any State / Centre Govt. Agency / Department/ Organization/ autonomous body duly verified by SNA/any govt. agency from 01.04.2023 to the closing date of the bid. The bidders are requested to submit the proof of completion of the required value systems duly certified by SNA/any Government agency. Similar contract means: Supply, Installation & Commissioning of Street Lighting / Solar Home Lighting systems. (Document to be uploaded/submit: Only Commissioning Certificates certified by SNA or any Government agency supporting the claim. Bidders shall not upload the work orders)	Yes/ No	
16	The bidder should have positive net worth in the previous last three Financial Year i.e. 2023-24,2024-25 & 2025-26. (Document to be uploaded/submit: Certificate in given format)	Yes/ No	
17	Bidder is required to submit a sample of one unit of the quoted product (110 Watt Solar PV Module, 22 Watt LED Luminaire, 12.8 Volt 50Ah LiFePO4 batteries) along with tender. Non-compliance shall in rejection of the bid.	Yes/ No	
18	Technical Catalogue of the product is required to be submitted along with the bid & same should be available on bidder's website.	Yes/ No	
19	Bidder who is manufacturer of Solar PV Modules or Solar Cells or Lithium battery and manufacturing the said item (s) in its unit and having valid test report of, tested as per MNRE, GOI latest guidelines/BIS for minimal technical specifications of the tender document in its own name (the bidder) issued by MNRE/NABL/IEC accredited testing center shall be treated as manufacturer for getting the benefits of concession under MME/MSME policy. The test report shall be issued by the date of closing the tender and shall be valid as on date of opening of the technical bid. The bidder shall have manufacturing facility of the said item, with testing facility, in its unit.	Yes/ No	

