



*Haryana Renewable Energy Development Agency*

*Tender Documents*

**E-TENDER NO. HAREDA/ EE LIGHTING/-----/2016-17 DATED:**

**RATE CONTRACT FOR SUPPLY OF LIGHT EMITTING DIODE (LED) LAMPS, LED PANEL LIGHTS & TUBE LIGHTS FOR INDOOR APPLICATIONS AND LED BASED ENERGY EFFICIENT LIGHTING FIXTURES FOR OUTDOOR APPLICATIONS**

**IN HARYANA STATE**

**HARYANA RENEWABLE ENERGY DEVELOPMENT AGENCY (HAREDA)**

**(DEPARTMENT OF RENEWABLE ENERGY, HARYANA)**

**Akshay Urja Bhawan, Institutional Plot No.-1, Sector-17, Panchkula**

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Note: This tender document contains 51 pages (1-51) including this page.

## NOTICE INVITING TENDER

### **HARYANA RENEWABLE ENERGY DEVELOPMENT AGENCY (HAREDA)**

(DEPARTMENT OF RENEWABLE ENERGY, HARYANA)

Akshay Urja Bhawan, Sector-17, Panchkula

Phone: 0172-2585733, 2585433 Fax No.0172-2564433

Email: [drehareda@gmail.com](mailto:drehareda@gmail.com) Website: [www.hareda.gov.in](http://www.hareda.gov.in)

**Tender No.:**

**Dated:**

**E-Tenders** are invited for arranging annual rate contract of below mentioned items in **two bid system** i.e. Technical Bid and Price Bid (Financial Bid):-

Sr. No.	Description	Approx. value (In Rs. lakhs)	EMD	Document fees +eService fees	Start Date & Time of Bid Preparation & Submission	Expiry Date & Time of Bid Preparation & Submission
1	Rate contract for supply of light emitting diode (LED) bulbs & LED Panel lights & tube lights for indoor applications and LED based energy efficient street lighting fixtures for outdoor applications in Haryana.	3500.00	Rs. 2.00 Lacs	Rs. 5000/- + Rs.1000/-	<b>13.01.2017 (from 17.00 Hrs)</b>	<b>13.02.2017 (Up to 14.00 Hrs)</b>

1. The Tender Documents fee and E-Service will be paid online. **The tender fee for the Haryana based Small and Micro Enterprises ( including Khadi & Village Industries) will be Nil subject to the condition that the concerned Enterprise participate directly in the tender and not through any intermediaries i.e. their dealers/ agents and distributors etc.**
2. Part-I of the E-Tenders against the above NIT will be opened in the office of the Director, HAREDA, Sector-17, Panchkula (Haryana) on **13.02.2017 at 16.00 Hrs.**
3. The earnest money shall be deposited online in cash by the bidder through Debit / Credit Card or RTGS/ NEFT or Net banking. It is expected from the prospective bidders to deposit EMD online by at least one day before deadline of submission of bids due to web portal provisioning. Any non-acceptance of EMD by web-based system on last day of submission of bids due to web-portal constraints shall be the bidder's responsibility.
4. HAREDA reserves the right to reject one or all the tenders received, without assigning any reason.
5. The tender documents having detailed terms and conditions can be downloaded from the website <https://haryanaeprocurement.gov.in> from **13.01.2017 from 17.00 Hrs** onwards. The E-Tenders shall be received through website only. All interested bidders are requested to get themselves registered as vendors with the said website for submitting their bids. For any assistance, please contact, Toll free no. 1800-180-2097 of M/s Nextenders (India) Pvt. Ltd.
6. Only those tenders shall be considered who deposit the earnest money and tender cost & transaction fee by due date.
7. Corrigendum, if any would be published online on the website.

Director, HAREDA

## Instructions to bidder on Electronic Tendering System

**These conditions will over-rule the conditions stated in the tender documents, wherever relevant and applicable.**

### **1. Registration of bidders on e-Procurement Portal:-**

All the bidders intending to participate in the tenders processed online are required to get registered on the centralized e - Procurement Portal i.e. <https://haryanaeprocurement.gov.in>. Please visit the website for more details.

### **2. Obtaining a Digital Certificate:**

**2.1** The Bids submitted online should be encrypted and signed electronically with a Digital Certificate to establish the identity of the bidder bidding online. These Digital Certificates are issued by an Approved Certifying Authority, by the Controller of Certifying Authorities, Government of India.

**2.2** A Digital Certificate is issued upon receipt of mandatory identity (i.e. Applicant's PAN Card) and Address proofs and verification form duly attested by the Bank Manager / Post Master / Gazetted Officer. Only upon the receipt of the required documents, a digital certificate can be issued. For more details please visit the website – <https://haryanaeprocurement.gov.in>.

**2.3** The bidders may obtain Class-II or III digital signature certificate from any Certifying Authority or Sub-certifying Authority authorized by the Controller of Certifying Authorities or may obtain information and application format and documents required for the issue of digital certificate from:

**M/s Nextenders (India) Pvt. Ltd.**

O/o. DS&D Haryana,

SCO – 09, IInd Floor,

Sector – 16,

Panchkula – 134108

**E - mail:** [Chandigarh@nextenders.com](mailto:Chandigarh@nextenders.com)

Help Desk: 1800-180-2097 (Toll Free Number)

**2.4** Bid for a particular tender must be submitted online using the digital certificate (Encryption & Signing), which is used to encrypt and sign the data during of bid preparation stage. In case, during the process of a particular tender, the user loses his digital certificate (due to virus attack, hardware problem, operating system or any other problem) he will not be able to submit the bid online. Hence, the users are advised **to keep a backup of the certificate** and also keep the copies at safe place under proper security (for its use in case of emergencies).

**2.5** In case of online tendering, if the digital certificate issued to the authorized user of a firm is used for signing and submitting a bid, it will be considered equivalent to a no-objection certificate/power of attorney /lawful authorization to that User. The firm has to authorize a specific individual through an authorization certificate signed by all partners to use the digital certificate as per Indian Information Technology Act 2000. Unless the certificates are revoked, it will be assumed to represent adequate authority of the user to bid on behalf of the firm in the department tenders as per Information Technology Act 2000. The digital signature of this authorized user will be binding on the firm.

- 2.6 In case of any change in the authorization, it shall be the responsibility of management / partners of the firm to inform the certifying authority about the change and to obtain the digital signatures of the new person / user on behalf of the firm / company. The procedure for application of a digital certificate however will remain the same for the new user.
- 2.7 The same procedure holds true for the authorized users in a private/Public limited company. In this case, the authorization certificate will have to be signed by the directors of the company.
- 3 **Opening of an Electronic Payment Account:**  
For purchasing the tender documents online, bidders are required to pay the tender documents fees online using the electronic payments gateway service shall be integrated with the system. For online payments guidelines, please refer to the Home page of the e-tendering Portal <https://haryanaeprocurement.gov.in>.
- 4 **Pre-requisites for online bidding:**  
In order to bid online on the portal <https://haryanaeprocurement.gov.in> , the user machine must be updated with the latest Java & DC setup. The link for downloading latest java applet & DC setup are available on the Home page of the e-tendering Portal.
- 5 **Online Viewing of Detailed Notice Inviting Tenders:**  
The bidders can view the detailed N.I.T and the time schedule (Key Dates) for all the tenders floated through the single portal e-Procurement system on the Home Page at <https://haryanaeprocurement.gov.in>
- 6 **Download of Tender Documents:**  
The tender documents can be downloaded free of cost from the e-Procurement portal <https://haryanaeprocurement.gov.in>
- 7 **Key Dates:**  
The bidders are strictly advised to follow dates and times as indicated in the online Notice Inviting Tenders. The date and time shall be binding on all bidders. All online activities are time tracked and the system enforces time locks that ensure that no activity or transaction can take place outside the start and end dates and the time of the stage as defined in the online Notice Inviting Tenders.
- 8 **Bid Preparation (Technical & Financial) Online Payment of Tender Document Fee, eService fee, EMD fees of online Bids:**
- 8.1 The online payment for Tender document fee, eService Fee & EMD can be done using the secure electronic payment gateway. The Payment for Tender Document Fee and eService Fee can be made by eligible bidders/ contractors online directly through Debit / Credit Card & Internet Banking Accounts and the Payment for EMD can be made online directly through RTGS / NEFT. The secure electronic payments gateway is an online interface between contractors and Debit / Credit Card / online payment authorization networks.
- 8.2 The bidders shall **upload** their technical offer containing documents, qualifying criteria, technical specification, schedule of deliveries, and all other terms and conditions except the rates (price bid). The bidders shall **quote** the prices in price bid format.

**NOTE:-**

- (A) If bidder fails to complete the Online Bid Preparation & Submission stage on the stipulated date and time, his/hers bid will be considered as bid not submitted, and hence not appear during tender opening stage.
- (B) Bidders participating in online tenders shall check the validity of his/her Digital Signature Certificate before participating in the online Tenders at the portal <https://haryanaeprocurement.gov.in>.
- (C) For help manual please refer to the 'Home Page' of the e-Procurement website at <https://haryanaeprocurement.gov.in>, and click on the available link 'How to .. ?' to download the file.

## **Guideline for Online Payments in e-tendering**

Post registration, bidder shall proceed for bidding by using both his digital certificates (one each for encryption and signing). Bidder shall proceed to select the tender he is interested in. On the respective Department's page in the e-tendering portal, the Bidder would have following options to make payment for tender document & EMD:

- A. Debit / Credit Card
- B. Net Banking
- C. RTGS/NEFT

### **Operative Procedures for Bidder Payments**

#### **A) Debit / Credit Card**

The procedure for paying through Debit / Credit Card will be as follows.

- (i) Bidder selects Debit / Credit Card option in e-Procurement portal.
- (ii) The e-Procurement portal displays the amount and the card charges to be paid by bidder. The portal also displays the total amount to be paid by the bidder.
- (iii) Bidder clicks on "Continue" button
- (iv) The e-Procurement portal takes the bidder to Debit / Credit Card payment gateway screen.
- (v) Bidder enters card credentials and confirms payment
- (vi) The gateway verifies the credentials and confirms with "successful" or "failure" message, which is confirmed back to e-Procurement portal.
- (vii) The page is automatically routed back to e-Procurement portal
- (viii) The status of the payment is displayed as "successful" in e-Procurement portal. The e-Procurement portal also generates a receipt for all successful transactions. The bidder can take a print out of the same,
- (ix) The e-Procurement portal allows Bidder to process another payment attempt in case payments are not successful for previous attempt.

#### **B) Net Banking**

The procedure for paying through Net Banking will be as follows.

- (i) Bidder selects Net Banking option in e-Procurement portal.
- (ii) The e-Procurement portal displays the amount to be paid by bidder.
- (iii) Bidder clicks on "Continue" button
- (iv) The e-Procurement portal takes the bidder to Net Banking payment gateway screen displaying list of Banks
- (v) Bidder chooses his / her Bank
- (vi) The Net Banking gateway redirects Bidder to the Net Banking page of the selected Bank
- (vii) Bidder enters his account credentials and confirms payment
- (viii) The Bank verifies the credentials and confirms with "successful" or "failure" message to the Net Banking gateway which is confirmed back to e-Procurement portal.
- (ix) The page is automatically routed back to e-Procurement portal
- (x) The status of the payment is displayed as "successful" in e-Procurement portal.

The e-Procurement portal also generates a receipt for all successful transactions. The bidder can take a print out of the same. (xi) The e-Procurement portal allows Bidder to process another payment attempt in case payments are not successful for previous attempt.

#### **C) RTGS/ NEFT**

The bidder shall have the option to make the EMD payment via RTGS/ NEFT. Using this module, bidder would be able to pay from their existing Bank account through RTGS/NEFT. This

would offer a wide reach for more than 90,000 bank branches and would enable the bidder to make the payment from almost any bank branch across India.

I. Bidder shall log into the client e-procurement portal using user id and password as per existing process and selects the RTGS/NEFT payment option.

ii. Upon doing so, the e-procurement portal shall generate a pre-filled challan. The challan will have all the details that is required by the bidder to make RTGS-NEFT payment.

iii. Each challan shall therefore include the following details that will be pre-populated:

- Beneficiary account no: (unique alphanumeric code for e-tendering)
- Beneficiary IFSC Code:
- Amount:
- Beneficiary bank branch:
- Beneficiary name:

iv. The Bidder shall be required to take a print of this challan and make the RTGS/NEFT on the basis of the details printed on the challan.

v. The bidder would remit the funds at least T + 1 day (Transaction + One day) in advance to the last day and make the payment via RTGS / NEFT to the beneficiary account number as mentioned in the challan.

vi. Post making the payment, the bidder would login to the e-Tendering portal and go to the payment page. On clicking the RTGS / NEFT mode of payment, there would be a link for real time validation. On clicking the same, system would do auto validation of the payment made.

#### List of Net banking banks

1. Allahabad Bank
2. Axis Bank
3. Bank of Bahrain and Kuwait
4. Bank of Baroda
5. Bank of India
6. Bank of Maharashtra
7. Canara Bank
8. City Union Bank
9. Central Bank of India
10. Catholic Syrian Bank
11. Corporation Bank
12. Deutsche Bank
13. Development Credit Bank
14. Dhanlaxmi Bank
15. Federal Bank
16. HDFC Bank
17. ICICI Bank
18. IDBI Bank

19. Indian Bank
20. Indian Overseas Bank
21. Indusind Bank
22. ING Vysya Bank 23. J and K Bank
24. Karnataka Bank
25. Kotak Mahindra Bank
26. Karur Vysys Bank
27. Punjab National Bank
28. Oriental Bank of Commerce
29. South Indian Bank
30. Standard Chartered Bank
31. State Bank Of Bikaner and Jaipur
32. State Bank of Hyderabad
33. State Bank of India
34. State Bank of Mysore
35. State Bank of Travencore
36. State Bank Of Patiala
37. Tamilnad Mercantile Bank
38. Union Bank of India
39. United Bank of India
40. Vijaya Bank
41. Yes Bank



## **DETAILED NOTICE INVITING TENDER (DNIT)**

### **RATE CONTRACT FOR SUPPLY OF LIGHT EMITTING DIODE (LED) LAMPS, LED PANEL LIGHTS & TUBE LIGHTS FOR INDOOR APPLICATIONS AND LED BASED ENERGY EFFICIENT LIGHTING FIXTURES FOR OUTDOOR APPLICATIONS IN HARYANA**

#### **1. BACKGROUND INFORMATION**

Haryana Government vide order ref. no 22/52/05-5P dated 29 June 2016 has made use of Light Emitting Diode (LED) lamps mandatory in all the Government offices and Central Public Sector Undertaking institutions /establishments located in the State of Haryana, and Electricity Consumers in Industrial, Commercial and Institutional sectors having connected load of 30 kilowatt or above. Vide this notification; State Government has also banned the purchase of sodium vapour lamps by all Government Departments. As per the notification, Government Department / establishments located in Haryana have to replace all the defective conventional bulbs, conventional tube lights, CFLs and T-5 tube lights only by LED lamps / tube lights or energy efficient lighting system. Further in Haryana Urban Development Authority (HUDA) Sectors, Municipal Areas, Areas developed by Haryana State Industrial and Infrastructure Development Corporation Limited (HSIIDC) or Industries Department, the installation of Automatic Switching System (either solar based or timer based) from dusk to dawn operation on existing as well as new Street Lighting Rows, where common switch for more than twenty five lights is required to be installed, shall be mandatory.

Further, State Government vide amendment order ref. no. 22/52/05-5Power dated 25.06.2008 has also mandated the use of Energy Efficient street lighting in all existing and new colonies and urban areas notified by the Urban Local Bodies Department, Haryana Urban Development Authority sectors, Haryana State Industrial & Infrastructure Development Corporation industrial estates, housing complexes, colonies and townships developed by private / semi government/ autonomous institutions shall use energy efficient street lighting fixtures.

The Haryana Govt. vide Government Order no. 2/2/2010-4-IB-II Dated 25.2.2014 has approved Haryana Renewable Energy Development Agency (HAREDA) as the Nodal Agency for finalizing all the rate contracts/supplies pertaining to Energy Efficient lighting systems requested by all the State Govt. Departments/ Organizations in the State of Haryana.

In consultation with the stakeholders, HAREDA invites the tenders for arranging the rate contract for the latest & comparatively efficient i.e. LED lighting for indoor & outdoor applications for various stakeholders located in the State of Haryana.

#### **2. SCOPE OF WORK**

Supply of energy efficient LED Based lights mentioned below, on annual rate contract to various departments/ boards/ corporations/ agencies / institutions in the State of Haryana. The installation of the fixtures shall be carried out by the indenting departments itself or through their own contractor.

<b>Item No.</b>	<b>Description</b>	<b>Tentative (Nos)</b>
1.	7 watt LED Lamp with 3 years warranty	11000
2.	9 watt LED Lamp with 3 years warranty	4000
3.	20 watt LED Tube Light Fitting for indoor	14000

	applications(suitable to replace T5/T8/T12 conventional Tube lights) with 3 years warranty	
4.	32 watt LED Panel Lights 2'X2' recess type with 3 years warranty	500
5.	38 watt LED Panel Lights 2'X2' surface type with 3 years warranty	100
6.	LED street light fixture with 18 watt. Lamp(suitable to replace Assorted wattage Tube Light & CFL) with 5 years warranty	61000
7.	LED street light fixture with 35 watt. Lamp(suitable to replace CFL-85 Watt/70W HPSV and 14 X 4 Watt T5 Tube Light) with 5 years warranty	10000
8.	LED street light fixture with 70 watt. Lamp(suitable to replace 150W HPSV and 24 X 4 Watt T5 Tube Light)) with 5 years warranty	11000
9.	LED street light fixture with 130 watt. Lamp(suitable to replace 250W HPSV/HPMV Lamp) with 5 years warranty	1500
10.	LED flood light fixture with 100 watt Lamp with 5 years warranty	1000
11.	LED flood light fixture with 200 watt Lamp (suitable to replace 400W HPSV/HPMV Lamp) with 5 years warranty	1000

Estimated purchase value is about Rs. 3500.00 Lac.

- **The demand is tentative & it may increase as energy saving in lighting is one of the prime agenda of the State Govt. & as such, bidders are advised to quote their most competitive rates.**

### **3. PRE-REQUISITES/ ELIGIBILITY CRITERIA**

Following are the pre-requisites for the bidder to be considered responsive to this tender:

(i)	<p>The Bidder should be a body incorporated in India under the Companies Act, 1956 or Companies Act, 2013 including any amendment thereto and should be the manufacturer of indoor/ outdoor lighting.</p> <p>Manufacturer means the firm should manufacture at least one major component i.e. LED or Electronic Driver/ luminary of the quoted item and have an adequate testing facility for electrical, optical, thermal/ environmental test of quoted item.</p> <p>LED bulbs and LED lighting fixtures of only indigenous make shall be accepted. However, the use of specified LEDs of foreign make is allowed.</p> <p>The Light Emitting Diodes (LEDs) of only, Nichia, Cree, Osram Opto, Seoul, Philips Lumileds, Ever Light, Samsung, Edition Opto and Lednium make shall be used and used LEDs must confirm to LM-80 &amp; Photo Biological Test.</p> <p>A copy of certificate of incorporation must be furnished along with the bid in support of above. Bidder shall also furnish copy of certificate issued by the local industry department for the active manufacturing unit. Also submit documents for</p>
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	confirming make of LEDs used.
(ii)	<p>Bidder should have in-house SMT setup or should have tie up with firm/lab having SMT set up. In case of tie up, the tie up MoU must be valid upto 2 years from last date of submission of bid.</p> <p>a) Bidder should have Digital Power Analyser, Digital Multi-meter, Digital Lux Meter and In Circuit Tester (ICT) / Integrating Sphere with latest calibration certificate(s).</p> <p>Bidder to submit the documents in support of having these facilities &amp; equipments.</p>
(iii)	<p>The average annual turnover of the bidder should be minimum 1050.00 lakhs in the last three years i.e. 2013-14, 2014-15 &amp; 2015-16. The bidder should be a profit making company and should have positive net worth in the last three years, ending 31<sup>st</sup> March of the previous Financial Year.</p> <p>Copy of the balance sheet duly signed by the Chartered Accountant for the 2013-14, 2014-15 &amp; 2015-16 must be furnished along with the bid in support of above.</p>
(iv)	<p>Bidder should have experience for supply of AC power operated LED lighting bulbs/ fixtures (indoor / outdoor) of any capacities to any of the Central/ State Govt. Departments/ Agencies/ Project Owners in the last three years i.e. 2013-14, 2014-15 &amp; 2015-16 of at least Rs.1400.00 lakhs and have good track record with those deptt./agencies/ project owners.</p> <p>Bidder to submit information along with documents in support of their experience. Bidder also to submit certificate issued by the deptt./agencies/ project owners towards the satisfactory supply and functioning of the lighting points to be furnished by the bidder.</p>
(v)	<p>Bidder should preferably have authorised service centre/ dealer network in the Haryana.</p> <p>Bidder shall submit the details of 'After Sales &amp; Service Centre' existing and proposed to be set up in the State of Haryana.</p>
(vi)	<p>Bidder should have valid CST/State VAT/TIN registration certificate.</p> <p>Copy of the document (s) to be furnished by the bidder with their bid.</p>
(vii)	<p>Bidder shall submit the LM-80 test report for <i>LED Modules Performance</i>, LM-79 test report for <i>LED Luminaries Performance</i> and test report of each quoted item covering the minimum parameters, as mentioned in para-4 below of the tender document with the bid, issued by NABL Accredited / Central Govt approved testing laboratories issued <b>on or after 1<sup>st</sup> April, 2013</b> along with the copy of the letter issued by NABL/ Central Govt for accreditation.</p> <p><u>Bidder shall submit the Test report for the each individual quoted items covering the minimum parameters in the test report as mentioned in Para-4 of the tender document.</u></p>
(viii)	<p>The bidder should have not been debarred from any Central/ State Govt. Department/ Agency. i.e. Bidder should not be under debarring at the time of submission of bid.</p> <p>Bidder shall submit the certificate for not been debarred from any Central/ State Govt. Department/ Agency for the quoted item(s).</p>

**NOTE: Concession/benefits to Micro & Small Enterprises (MSEs) (as per GO No. 2/2/2016-4IBII (1) dated 20.10.2016):-**

<b>Sr. No.</b>	<b>Area as part of Qualifying requirements</b>	<b>Concessions/ benefits allowed to MSEs</b>	<b>Eligibility</b>
i.	Tender Fee	Exemption on the payment of tender fee subject to fulfilment of conditions as per eligibility	Manufacturing Micro & Small Enterprises (MSEs) (including Khadi & Village Industries/Units) who have filled Entrepreneur Memorandum in Haryana in respect of the quoted items, participate directly in tender and not through any intermediaries (their dealers/agents/distributors), will not subcontract to any other firm and to carry the entire manufacturing at their enterprise.  Concerned MSE will be required to submit the copy of Entrepreneurs Memorandum in respect of its category of Micro Small issued to the firm by the Industries Department Haryana as part of Technical Bid.
ii.	Earnest Money Deposit (EMD)	Exemption on the payment of Earnest Money Deposit (EMD) subject to fulfilment of conditions as per eligibility	
iii.	Performance Security	90% concession on Performance Security as applicable to other Haryana based firms subject to fulfilment of conditions as per eligibility	
iv.	Turnover	Micro Enterprises: Concession of 80% on Turnover condition imposed as qualifying criteria Small Enterprises: Concession of 70% on Turnover condition imposed as qualifying criteria	
v.	Past Performance & Experience	<u>Exempted in respect of Past Performance &amp; Experience as part of Qualifying</u>	

		<u>Requirements of the tender subject to fulfillment of conditions as per eligibility</u>	filed Entrepreneur Memorandum in Haryana and further:- Those MSEs have quality certification of ISI/ISO/AgMark/Quality Mark issued from competent authority in State or Central Govt.. In respect of items/goods mentioned in the tender OR/AND Those who are registered with DGS&D/NSIC/GOI Department/ State Govt. Department/GOI PSUs/State Govt. PSUs in respect of the item/goods mentioned in the tender. <u>The firm will be required to submit the detailed information in respect of above through an affidavit as per the format enclosed as <b>Annexure-A</b></u>
Vi	Purchase Preference	<u>50% of the total tendered quantity provided quoting price within band of L-1+15% by bringing down their price to L-1 and subject to condition that it agrees to fulfilment of other terms &amp; conditions of the tender and further subject to fulfilment of conditions as per eligibility</u>	

**Concession/benefits to Medium Enterprises (as per GO No. 2/2/2016-4IBII (1) dated 20.10.2016):-**

Sr. No.	Area as part of Qualifying requirements	Concessions/ benefits allowed to MSEs	Eligibility
i.	Past performance & Experience	Exemption on Qualifying Requirement of Past Performance & Experience as part of Qualifying Requirements of the tender subject to fulfillment of conditions as per eligibility.	Manufacturing Medium Enterprises of the State that have filed Entrepreneur Memorandum for quoted items in Haryana, participate directly in tender and not through any intermediaries (their dealers/ agents/distributors), and will not subcontract to any other firm and to carry the entire
ii.	Purchase Preference	10% of the total tendered quantity provided quoting price within band of L-1+15% by bringing	

		down their price to L-1 and subject to condition that it agrees to fulfillment of other terms & conditions of the tender and further subject to fulfillment of conditions as per eligibility	manufacturing at their enterprise. This concession will be applicable only for one year to newly registered Medium Enterprises or Medium Enterprises of State who are not eligibility criteria of past performance & Experience. The firm will be required to submit the detailed information in respect of above through an affidavit as per the format enclosed as <b>Annexure-B</b>
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#### 4. **TESTING PARAMETERS TO BE COVERED IN THE TEST REPORT(S)**

The following minimum parameters should clearly be covered in the test report of the LEDs & quoted item(s) at standard 230 Volts +/- 10%, 50 Hz, AC power supply. The quoted item must confirm to latest Indian/ applicable Standard.

- (i) Power Factor
- (ii) System efficacy (lumen/watt)
- (iii) Colour Rendering Index (CRI)
- (iv) Total Harmonic Distortion (THD)
- (v) Colour Temperature of the Lamp
- (vi) Ingress Protection Level ( IP Level)
- (vii) LED Driver Efficiency (in %)
- (viii) Power consumption of the Complete System.
- (ix) LED Efficacy (at operating current (design) and T<sub>j</sub>=85 Deg C) in Lumens/watt
- (x) Wattage of LED Used in the system.

Non covering of any of the above parameters in the submitted test report can result in rejection of the quoted item(s).

**Note:** HAREDA has reserve the right to inspect the factory premises of the bidder for verifying the machinery, equipments and testing facilities submitted in the bid.

#### 5. **TECHNICAL SPECIFICATIONS & STANDARDS**

The light emitting diode (LED) lamps & LED tube lights for indoor applications and LED Based energy efficient lighting fixtures for outdoor application should confirm to the technical specifications as at Annexure-I.

## **6. WARRANTY**

The indoor items on the rate contract shall be warranted for 3 years & outdoor for 5 years from the date of receipt by the clients. The supplier shall ensure to provide the following minimum services to the client/ consignee during the warranty period:

- (i) Supplier will appoint authorized dealers at district level in which systems are to be supplied or open repair centers and their names shall be communicated to the Indenting/consignee Department within one month time from the date of issue of purchase order. Supplier shall also communicate name of these dealers/ centers to HAREDA.
- (ii) If the order is of more than 100 nos (quantity of the single item), then supplier shall maintain 5% of the order quantities as buffer stock with the indenting department/ office till the warrantee period so that replacement of defective pieces can be attended immediately.
- (iii) In case a supplier is not maintaining buffer stock as mentioned under para (ii) then he is bound to repair/ replace the defective item within 7 days of the receipt of complaints failing which penalty will be charged from him @ of Rs 10/- for item no 1 to 8 and @ of Rs 100/- for other items per day per item till the period it has been repaired/replaced. This penalty amount shall be deducted from the payment due to the supplier or the consignee shall claim the same from the supplier. The claim so received to the supplier, has to be settled within 15 days. If supplier fails to refund the claim amount, this amount shall be deducted from his performance security deposited with HAREDA/ Indenting department.
- (iv) The consignee shall maintain separate complaint register for this purpose and while forwarding the complaint to the supplier, complaint serial number, work order no. , date & qty of the material, date of receipt of material, date of receipt of complaint, nature of defect, reason for defect, date of forwarding the complaint etc. should clearly be mentioned in the letter. This correspondence between the Supplier & Client will be through e-mail.
- (v) Supplier shall repair/ replace the defective material at his own expenses to the satisfaction of the client/ consignee in the store, specified in work order, of the client / consignee during the warranty period. Client will issue satisfactory performance report on/after satisfactory repair/ replace the defective.
- (vi) The 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 HAREDA during last five years than their bid may be rejected out rightly.
- (vii) The consignee will have the liberty to get the sample for the item(s) supplied tested from any of the Govt. approved lab. during the warranty period to ascertain the performance of the item(s) as per DNIT specifications. The cost of testing will be borne by the supplier.

## **7. DOCUMENTATION**

The contractor shall ensure to provide an Operation, Instruction and Maintenance Manual to the client at the time of supply of material in English and the local language. Besides other information the Manual should contain the following min. details:

- (a) Make, model number, country of origin and technical characteristics of W-LEDs.
- (b) DO's & DON'T's
- (c) Clear instructions on regular maintenance and trouble shooting of the system.
- (d) Name and address of the person or service centre to be contacted in case of failure or complaint.
- (e) In case of street lighting system, besides (a) to (d) above, also provide clear instructions about mounting on pole and luminaire. Clear wiring instructions with line diagram.

## 8. **EARNEST MONEY DEPOSIT AND COST OF TENDER FEE**

- (i) The Payment for EMD Rs.2, 00,000/- (or as mentioned in the tender document) can be made online directly through Internet Banking/Debit Card/Credit Card and the bidder would remit the funds at least T+1 day (Transaction + one day) in advance to the last day of the online bid submission and make the payment to the beneficiary account number as mentioned in the Challan.
- (ii) Offers without EMD shall be out rightly rejected.
- (iii) Central or Haryana Public Sector Enterprises and “approved sources” as declared by the Industries Department, Haryana, would be exempted from the deposit of EMD . These Central or Haryana Public Sector Enterprises and “approved source” as declared by the Industries Department, Haryana shall submit proof issued by the competent Govt. authority for exemption of EMD.
- (iv) Haryana based Micro & Small Enterprises are exempted for payments of EMD as per State Govt. Policy.
- (v) EMD of unsuccessful tender shall be returned after award of the contract /order. No interest will be paid on the earnest money. The EMD of the successful bidders shall only be released after receiving of Security Deposit as per clause.
- (vi) EMD may be forfeited in case of non-deposition of Security Deposit (SD) as per clause or if a bidder withdraws its tender during the period of tender validity specified.

### **(B) Tender Fee (as per GO No. 2/2/2010-4IB-II dated 24.3.2015) + eService fee**

Amount of Tender fee to be obtained from all the bidders except in the case of Haryana based Micro & Small Enterprises and KVI units	Amount of Tender fee for the Haryana based MSEs and KVI units
Rs. 5,000/-	Nil

Besides, the above Tender Fee, the bidder is required to pay additional e-Service Fee of Rs. 1000/- (Rupees one thousand only (Non-refundable) also online directly through Debit Cards/Credit Cards OR Internet Banking Accounts



## 9. PERFORMANCE SECURITY:-

- (i) **At HAREDA level-** The EMD of successful tenderers shall be kept as security deposit till the validity of rate contract and shall be released on successfully execution of the orders against the rate contract. No interest will be paid on this security deposit.
- (ii) **At Indenting Deptt Level-** The successful bidder shall be bound to submit performance security deposit as mentioned in below table of the work order value within 15 days with the Indenting Department from the date of placing the work order in the form of DD or BG (as per GO No. 2/2/2016-4IBII (2) dated 20.10.2016), as per format at annexure-V, in favor of HOD/HOO of the Indenting Department valid up to five year and three months failing which, the work order may be cancelled.

S.No.	Type of firm/ Enterprises	Value of Performance Security
1	Haryana Based firms: (i) # Haryana based Micro and Small Enterprises (MSEs) (ii) Haryana based others firms/Enterprises	(i) @0.2% of the order value or estimated value of Rate Contract (where maximum value of rate contract (RC) is indicated, it will be on basis of the same) (ii) @2% of the order value or estimated value of Rate Contract (where maximum value of rate contract (RC) is indicated, it will be on basis of the same)
2	Others States/UTs based firms	@5% of the order value or estimated value of Rate Contract (where maximum value of rate contract (RC) is indicated, it will be on basis of the same)

# Haryana based MSEs will be eligible for performance security deposit @ 0.2% who have filed Entrepreneurs Memorandum ( Micro or Small Enterprise category) in the Industries department Haryana and who participate directly in the tendered/quoted items and offering to supply the entire quoted quantity manufactured from their own Haryana based unit.

## 10. Purchase preference to the approved sources, including Central or Haryana State PSUs/PSEs.

Purchase preference may be accorded to the approved sources, including Central or Haryana State Public Sector Undertakings/ Enterprises, provided that such approved source takes place 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.

**Note:** The latest list of approved sources is contained in order no. GO No. 2/2/2016-4IBII (1) dated 20.10.2016) of the Industries Department, Haryana and is subject to further amendment from time to time.

**11. VALUE ADDED TAX (VAT) REBATE TO THE BIDDER WHO HAS SET UP SALES OFFICE IN THE HARYANA STATE.**

- (i) **Benefit of discounting of 50% Haryana VAT revenue** from the composite price bid would be allowed to only those bidder/s who have set up their **Sales Office in the Haryana State before/ at the time of submission of the bid and confirms in the bid to raise the bill from Haryana.** For the purpose of financial evaluation of the bids, 50% of the VAT revenue accruing to the State of Haryana would be discounted from the composite price of the bidder while comparing the bids received in response to the DNIT and the L1,L2 & L3 bidder will be determined accordingly.
- (ii) If a successful bidder is awarded the bid offer after discounting / rebating 50% of the VAT revenues accruing to the State of Haryana as per above and the sale does not lead to the full accrual of the VAT revenues to the State of Haryana on the acceptable price bid, a penalty equivalent to short accrual of the VAT revenues to the State of Haryana would be recovered from the supplier.
- (iii) **Bidders are therefore, advised to clearly mention the State of billing and applicable VAT on the quoted item in the Price Part of bid.**
- (iv) In case a bidder does not expressly confirm to raise the billing from Haryana State in its bid offer, it is to be considered as a Non-Haryana billing offer.

**12. PAYMENT TERM**

- i. 90% payment, shall be released by the consignee department i.e. purchaser, on receipt of duly inspected material.
- ii. Balance 10% after 45 days on satisfactory performance of the supplied goods, keeping the performance security as per clause 9 (ii).

**13. VALIDITY OF BID & RATE CONTRACT**

The bids shall be valid for a period of 180 days from the date of opening of tender. Further, **the rates to be finalized by the High Powered Purchase Committee (HPPC) shall be valid up to one year from issue of said rate contract.**

**14. WITHDRAWAL OF THE OFFER**

Earnest money shall be forfeited in case of withdrawal of an offer within the validity period as required in Notice Inviting Tender after submission of tender.

**15. TIME SCHEDULE, PENALTY/LIQUIDATED DAMAGES**

The items, for which purchase order is placed, are to be supplied within two month's time from the date of issue of purchase order, if purchase value is up to Rs.5.00 lakhs and if the value is above Rs.5.00 lakhs then the material should have to supply within three months time from the date of issue of purchase order. The request of supplier for extension in time frame for supply of the systems shall not be entertained under any circumstances except in case of force majeure. The above defined time period is the time by which material should be delivered to the consignee.

The time for and date of delivery or dispatch stipulated in the supply order shall be deemed to be the essence of the contract, and 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 subject to max. of 10% of work order value recoverable on the value of the stores supplied. In case of non-payment of the contractor, recovery will be made from his bills or amount of Earnest money or security deposited with Director, HAREDA, provide also that:

- (i) If the proposal for pre-dispatch inspection is received within defined & valid time period in the office of Director, HAREDA from the supplier and inspection is not carried out by the HAREDA by any reasons within 10 days of receipt of such letter, the time period for supply, installation & commissioning will be extended equivalent to delayed period, from the next day of expiry of these 10 days till the date of actual inspection and no penalty will be imposed for this extended period.
  - (ii) No recovery of penalty will be made if the Director, HAREDA accepts the delayed supplies by extending the delivery period by recording in writing that the exceptional circumstances were beyond the control of the supplier and there was no loss to the Government on written request by the supplier on valid grounds before the expiry of the allowed time. Requests for extension received after the expiry of the allowed time shall not be entertained and shall be subject to penalty.
  - (iii) On the failure of the supplier/s to make supply within the extended period or otherwise and the receipt of such information in the office of the Director, HAREDA, risk purchase at the cost of the supplier will be made by the Director, HAREDA within two months of the expiry of stipulated delivery period by obtaining consent from the L2, L3 bidders or approved RC holder of DGS&D, GOI or any State empanelled supplier or by inviting short terms quotations from the Registered and other known suppliers. The difference of excess cost thus, incurred will be recovered from the supplier from his pending bills, earnest money or security whichever is available. This procedure will be adopted after serving a registered notice to the supplier to supply stores within 15 days.
- a. The Contractor shall not;
    - (i) Without the consent in writing of HAREDA transfer, assign or sublet the work under this contract or any substantial part thereof to any other party. HAREDA shall have at all reasonable time access to the works being carried out by the contractor under this contract. All the work shall be carried out by the contractor to the satisfaction of HAREDA.
    - (ii) Disclose details of the conditions governing this contract to unauthorized persons (Indenting against this contract is permissible only for the bonafide use of Governments departments and quasi public and not for private parties or for the private use of the Government officers).
  - b. In the event of the contractor failing duly and properly to fulfill or committing breach of any of the terms and conditions of the tender or repeatedly supplying goods liable to rejection hereunder or failing, declining, neglecting/ or delaying to comply with any demand or requisition or otherwise not executing the same in accordance with the terms of

this tender, or if the bidder or his agents or servants being guilty of fraud in respect of the contract or any other contract entered into by the contractor or any of his partners or representatives thereof with Government directing, giving, promising or offering any bribes, gratuity, gift, loan, perquisite, reward or advantage pecuniary or otherwise to any person in the employment of Government in any way relating to such officers or person of persons, office or employment or if the contractor or any of his partners become insolvent or apply for relief as insolvent debtor or commence any insolvency proceedings or make any composition with his/ their creditors or attempts to do so then without prejudice to Government rights and remedies otherwise, HAREDA/ Government shall be entitled to terminate this contract forthwith and to **blacklist the contractor** for a period as deemed fit by the competent authority and purchase or procure or arrange from Government's stocks or otherwise at the contractor's risk and at the absolute discretion of the Director, HAREDA as regards the manner, place or time of such purchases, such supplies as have not been supplied or have been rejected under this agreement or are required subsequently by Government there under and in cases where issues in replacement are made from Government's stocks or supplies, the cost of value of stocks or supplies together with all incidental charges or expenses, shall be recoverable from the contractor on demand and the contractor shall not be entitled to benefit from any profit which may accrue to Government.

#### 16. **FORCE MAJEURE**

- (i) Notwithstanding the provisions of clauses contained in this deed; the contractor shall not be liable for forfeiture of its performance security, liquidated damages, termination for default, if he is unable to fulfil his obligation under this deed due to event of force majeure circumstances.
- (ii) For purpose of this clause, "Force majeure" means an event beyond the control of the contractor and not involving the contractor's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of Govt. either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and fright embargoes.
- (iii) Obstruction in procurement of components /raw material by the firm from the manufacturers with whom they have tied up for execution of the projects under this tender shall not be covered under force majeure condition. The bidders are advised to make suitable arrangements for supply of parts and components for implementation of the tendered projects within allowed timeframe.
- (iv) However, if a force majeure situation arises, the contractor shall immediately notify the "HAREDA" in writing. The decision of the Director, HAREDA in above conditions shall be final.

#### 17. **ARBITRATION:**

If any question, dispute or difference arises between HAREDA and the contractor, in the connection with this agreement except as to matters, the decisions for which have been specifically provided, either party may forthwith give to the other notice in writing of existence

of such question, dispute or difference and the same shall be referred to the sole arbitration of the Principal Secretary/Secretary/Chairman, HAREDA or a person nominated by him. This reference shall be governed by the Indian Arbitration Act, and the rules made there under. The award in such arbitration shall be final and binding on both the parties. Work under the agreement shall be continuing during the arbitration proceedings unless the HAREDA or the arbitrator directs otherwise.

## **18. JURISDICTION FOR SETTLING DISPUTES**

Where a contractor has not agreed to Sole Arbitration Clause of the Conditions of the Contract, Governing contracts the dispute/claims arising out of the contract entered into with him will be subject to the jurisdiction of Civil Court Panchkula.

## **19. INSPECTION OF MATERIAL**

The material will be dispatched by the supplier after inspection by the Director, HAREDA or his/her representative in case of HAREDA purchase. The material of other indenting departments will be dispatched by the supplier after inspection by their representatives and HAREDA representative/ inspection committee constituted by HOD/HOO of their department/ organization. Supplier shall submit the schedule with date, time & venue of the inspection to the Director, HAREDA and the Indenting Department in written for the inspection of the material.

Call for inspection should reach **at least 10 days prior** to the proposed date of inspection through email/Fax. To illustrate it further, if the last date of supply is 31<sup>st</sup> March & supplier sends the inspection call on 30<sup>th</sup> March for inspection on 31<sup>st</sup> March, the inspection date shall be considered as 9<sup>th</sup> April (10 days notice) & period from 1<sup>st</sup> April to 9<sup>th</sup> April shall be under penalty clause.

In case the material offered for inspection 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 order value. In case the material offered for inspection fails during the 2<sup>nd</sup> inspection also, the Indenting Department will have the right to increase the penalty to 0.25% of the order value. In case, the material offered fails during the 3<sup>rd</sup> and final inspection also, the firm will be liable for penal action including forfeiture of EMD, risk purchase, debarring/blacklisting in future, and no further opportunity for inspection will be provided to the supplier firm.

Director, HAREDA or his /her representative or indenting department is free to draw sample(s) from the supplied quantity and subject to same to test in a NABL accredited lab at the cost of the supplier for any kind of specific test. The decision of the HAREDA on the same shall be binding on the supplier. Failure of the sample will strict penalty and disqualify the supplier from future tenders also.

## **20. PRICE FALL CLAUSE:**

- (i) The prices charged for the stores supplied under the Contract by the Contractor shall in no event exceed the lowest price at which the Contractor sells the Stores or offer to sell stores of identical description to any Department of the Central Government or any Department of a State Government or any statutory undertaking of the Central or a State Government, as the case may be, during the period till all Orders placed during the currency of Contract is completed.

- (ii) If at any time during the said period, the Contractor reduces the Sale price, sells or offers to sell such stores irrespective of quantity to any person(s)/organization(s) including the Purchaser or any Statutory Undertaking of the Central or a State Government, as the case may be, at a price lower than the price chargeable under this Contract, he shall forthwith notify such reduction or Sale or offer of Sale to the Director, Renewable Energy Department, Haryana/HAREDA and the price payable under the Contract for the stores supplied after the date of coming into force of such reduction or sale or offer of sale stand correspondingly reduced. The above stipulation will, however, not apply to :

- (a) Export/deemed Export by the Contractor
- (b) Sale/ normal replacement.

- (iii) The Contractor shall furnish the following certificate to the Paying Authority along with each bill for payment for supplies made against the Contract.

“I/We certify that there has been no reduction in sale price of the Stores of Description identical to the Stores supplied to the Government under the contract herein and such Stores have not been offered/sold by me/us to any person(s)/organization(s) including the purchaser or any Department of Central Government or any Department of a State Government or any statutory Undertaking of the Central or State Government as the case may be up to the date of the bill/the date of completion of supplies against all orders placed during the currency of the Contract at a price lower than the price charged to the Government under the Contract except for quantity of Stores as mentioned at para (ii) above.

NOTE: The Contractor will also inform the Paying Authority/ Director, Renewable Energy Department, Haryana/HAREDA as soon as the supply against the said contract is completed.

## **21. SAMPLE**

- (i) **The offer shall be accompanied with the sample of the each quoted item(s). The offer received without sample shall be rejected.** The unsuccessful bidders may collect the sample within 15 days, after finalizing the rates by HPPC, failing which HAREDA shall not be responsible for any loss/ damage of the sample. Each sample should have a card affixed to it duly sealed giving the following particulars :

Name & address of the tenderer  
Tender number  
Date of opening of tender

- (ii) The tenderer should specifically state that the sample submitted conforms to the specification laid down in Schedule to the tender.
- (iii) Samples should be delivered to the Sample official in charge in the office i.e. Directorate of Renewable Energy, Haryana, Akshay Urja Bhawan, Institutional Plot No. 1, Sector-17, Panchkula. Samples sent "Freight to pay" or sent through "G/R-R/R" will not be accepted
- (iv) Samples must be deposited with the Sample In charge of the Directorate by the due date and time of opening of tenders.
- (v) Samples should be collected by the tenderer from the date of notice issued to them by the Director, HAREDA failing which the samples will become the property of the Government and will be disposed of by public auction and the sale proceeds will be deposited in the Government

account and no claim shall be entertained thereafter. Loss of samples, damage, wear and tear or injury on account of testing, exposure, experiment etc. shall not constitute the ground for claiming any compensation from the Government.

- (vi) The approved sample of the successful bidder shall be returned to the contractor after satisfactorily completion of work.

## **22. SUBMISSION OF TENDER**

- i) Online tender should be submitted up to **02.00 PM on dated 13.02.2017** in two parts i.e. Technical Bid and Price Bid. The firm should submit their offers in two separate sealed envelopes, marked on one envelop as “Part-I “Technical bid” and on other envelope as “Part-II: Price Bid”.

### **1. Envelope 1: Technical Bid**

The bidders shall require uploading the technical and other required documents under Technical Bid

### **2. Envelope 2: Price Bid**

The bidders shall quote the prices in price bid format under Price Bid

- ii) Offer should be addressed to Director, HAREDA by designation not by name.
- iii) HAREDA shall resume no responsibility for misplacement or pre-mature opening of any part of tender; in case of above instructions are not complied by the tenderer.
- iv) Any offer received after the deadline for submission of offers shall be rejected and returned unopened to the tenderer.
- v) All the pages of tender documents, technical specifications, bids, supporting documents etc. shall be duly signed by the authorized signatory and company seal should be affixed on each page. Any part of the tender which is not specifically signed by the authorized signatory and not affixed with company seal shall not be considered for the purpose of evaluation.
- vi) The offers should be signed and sealed by the tenderer or his authorized representative. The names and designation of all persons signing shall be typed or printed below the signature.
- vii) Failure of furnish all information and documentary evidence as stipulated in the tender document or submission of an offer i.e. not substantially responsive to the tender document in all respects shall be summarily rejected.
- viii) Once the bid is submitted by a bidder, bidder shall not be permitted to withdraw the bid.

## **23. DOCUMENTS TO BE ENCLOSED WITH THE OFFER**

Part-I & Part-II of the tender should comprise the following documents:

**i) Techno- commercial Part (Technical Bid)-I**

The technical & commercial Part: Part-I of tender shall be offered and furnished complete in all respect in Annexure-II alongwith following documents:

- a) Forwarding letter in Proforma-I
- b) Minimum eligibility condition-qualification in Proforma-II
- c) Detail of purchase order issued and past experience against supply made to different State/Central Govt. Departments/Agencies/ Project Owners in Proforma-III. Along with photocopies of certificate of satisfactory performance of system supplied to State/Central Govt. Departments/Agencies/ Project Owners along with copy of purchase order.
- d) Test certificate of the offered item (s) confirming to the applicable IEC standard and DNIT specifications issued by any of the NABL approved laboratory/ Central Govt approved testing laboratories issued on or after 1st April, 2013. Those manufacturers who have the in-house testing facility i.e. laboratory, approved by the NABL/ Central Govt may submit test report of the laboratory along with the copy of the letter approved these laboratory.
- e) Letter issued by the Industries Department, Haryana for registration certificate for the quoted items.
- f) Registration certificate issued by the competent Govt. authority for the quoted items.

**Note: It is mandatory to mention page number of the bid as required in Annexure-II. Also ensure to furnish all the documents/ information required in annexure-II with page in the bid.**

**ii) Price part (Price Bid): Part-II**

- a) The price of the quoted energy efficient item (s) in full inclusive of packaging, transportation, FOR anywhere in Haryana , all taxes & levies, octroi, VAT etc. should be quoted in ANNEXURE-IV (price part).
- b) Price shall remain firm and fixed. Price variation clause is not acceptable.
- c) Any conditional discounts on the prices offered will not be entertained / considered.

**Note: Bidders are advised to clearly mention the State of billing and applicable VAT on the quoted item in the Price Part of bid.** This is mandatory for those bidder/s who set up sales office in Haryana & wish to avail VAT rebate as per Para-11 of the bid document.

**24. OPENING AND EVALUATION OFFERS**

- i) **Part-I:** On line Technical part of bid will be opened on dated **13.02.2017 at 4.00PM** in the office of Director, HAREDA at Institutional Plot No.-1, Sector-17, Panchkula in the presence of tenderers or their authorised representative who wish to attend the meeting.
- ii) HAREDA, if required, may at its discretion obtain clarifications on offer by requesting such clarifications from any or all the tenderers. Such requests for clarification and the response shall be in writing.
- iii) **The Part-II:** Price part of only those tenderers, whose offers are found technically and commercially acceptable after evaluation of the techno- commercial part will be opened. **The date for opening of price part will be intimated separately.**
- iv) HAREDA, if required, may at its discretion extend the schedule date of opening of the tender.
- v) The technical evaluation committee may take any decision deemed to be fit about the specifications, make/brand of item (s) at the time of evaluation of the bids.



## 25. OTHER TERMS AND CONDITIONS

- (i) The offer shall be submitted online on original tender document of the HAREDA conditional tender and tender not accompanied by EMD/tender fee (as applicable) shall not be accepted.
- (ii) The rates quoted should be F.O.R. anywhere in the State inclusive of all taxes, octroi, VAT etc.
- (iii) In the event of bid being submitted for a firm, it must be signed separately by each members thereof, or in the event of the absence of any partner, it must be signed on his behalf by a person holding a Power of Attorney authorizing him to do so. In case of a company, the quotation should be executed in the manner laid down in the said Companies Article of Association. The signature on the quotation should be deemed to be authorized signatures.
- (iv) All columns of the technical and financial bid shall be duly filled in, Rate should be written in figures as well as in words. In case the contractor gives the different rates in words and figures the lower of the two will be considered valid and will be binding upon the contractor.
- (v) All corrections must be signed by the tenderers.
- (vi) HAREDA/ consignee reserves the right to distribute the order/place the order on more than one supplier/firm.
- (vii) The tenders shall be opened in the presence of the bidders who wish to be present at the time of opening of technical as well as financial bid.
- (vii) **The offer shall be accompanied with the sample of the quoted item(s). The offer received without sample shall be rejected.** The unsuccessful bidders may collect the sample within 15 days, after finalizing the rates by HPPC, failing which HAREDA shall not be responsible for any loss/ damage of the sample.
- (viii) Material shall be strictly as per DNIT specifications/applicable latest BIS/ International Standards.
- (ix) The purchase value of the supply mentioned in the DNIT is tentative which can be increased or decreased.
- (x) The Director, HAREDA will have the right of rejecting all or any of the bids without assigning any reason thereof.
- (xi) The conditional tenders will not be accepted and will be out rightly rejected.
- (xii) The firm shall laminate the logo of HAREDA inside or outside the body of the lamp/fixture.

- (xiii) The make and serial number of lamp/ fixture must be recorded by the manufacturer in a permanent manner on the body of the lamp/ fixture along with the serial number and year of manufacture of that item. This will enable verification with sale/ supply records.
- (xiv) The manufacturer should issue excise gate pass for the products sold so that sale of product can be independently verified.
- (xv) The rate contract finalized shall be valid up to Six months from issue of said rate contract.
- (xvi) EMD is liable to be forfeited in case of evidence of cartel formation by the bidder(s). Further, in case where cartel formation amongst the manufacturers-suppliers is apparent, complaint shall be filed with the Competition Commission of India and /or other appropriate forum.
- (xvii) Any left out specification(s) (if any) shall be as per the applicable IS/ International Standard.
- (xviii) All disputes relating to this work shall be subject to the jurisdiction of Panchkula/ Chandigarh and Director, HAREDA shall be the sole arbitrator.
- (xix) The Director, HAREDA will have the right of rejecting all or any of the quotation without assigning reason thereof.
- (xx) The Director, HAREDA will also reserve the right to issue clarification if any required on the specification or its interpretation to all the bidders before opening of the financial bids and the same shall be acceptable to the bidders.
- (xxi) Indenting Departments / Organizations / Offices shall also forward a copy of the work orders placed by them with the supplier to the Director, HAREDA. Subsequently, indenting department/ office shall also forward copy of the complaint (if any) to the Director, HAREDA.
- (xxii) The supplier shall bound to furnish the information on the purchase order received, detail of supply made and pending orders etc against the rate contract on monthly basis to the Director, HAREDA by 7<sup>th</sup> of the consecutive month in the format to be supplied by the HAREDA.
- (xxiii) The bid should be neat & clean with index & page numbers. Only relevant papers & documents should be enclosed with the bid.
- (xxiv) Bidder should clearly specify the place from where he/she shall raise the bill.
- (xxv) The firm will print / paste sticker having the words ‘PROMOTED BY HAREDA’ on the body of the Fitting/ Fixture so as to minimize any possible malpractices.
- (xxvi) (a) Any prospective BIDDER requiring any further information or clarification of the Bidding Document may notify HAREDA in writing or by fax at the HAREDA’s mailing address indicated in the Bid Document. HAREDA will respond in writing to any request for information or clarification of the Bidding Documents which it receives at least 5 days before closing of tender submission day.

- (b) Any substantive explanations or interpretation will be made in the form of a written Amendment which will be furnished to all Bidders alike and will be binding upon them. Receipt of such Amendment by Bidders shall be acknowledged in their Bid.
- (xxvii) All entries by the tenderers should be in one ink. Erasures and over writing are not permissible. All cancellations and insertions should be signed by the tenderers.
- (xxviii) In giving their rates, tenderers are advised to take into account fluctuation in market rates. No claim will be entertained on this account during acceptance of tenders and currency of the rate contract.
- (xxix) Conditional tenders are liable to be rejected.
- (xxx) Not more than one tender should be submitted by one contractor or by a firm of contractors for the same work.
- (xxxi) 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 and forfeiture of their earnest money.
- (xxxii) (a) The person (s) tendering shall clearly mention in their tender whether any of their close relative is in the employment of the HAREDA/ Department of Renewable Energy, Haryana and in case their near relative is in employment of the HAREDA/ Department of Renewable Energy, Haryana then his/her name, designation and place of posting to be mentioned.
- (b) The person (s) tendering shall also disclose and furnish the information on the sister companies/firms of the tendering firm along with name of the firms/ companies where the person(s) tendering have any equity/ share, if any. The person(s) tendering shall also clearly mention in their tender whether any of their close relative/ close relative of the person(s) having share/ equity in the firm where the person(s) tendering have also equity/ share in that firm/ company, is in the employment of the HAREDA/ Department of Renewable Energy, Haryana and in case their near relative is in employment of the HAREDA/ Department of Renewable Energy, Haryana then his/her name, designation and place of posting to be mentioned.
- (c) If the person tendering do not disclose and furnish the correct information as required in sub –clause (a&b) above, then his earnest money may be forfeited and in case the contractor has been awarded the work, the same may be cancelled.
- Note:
- (i) The word “Near Relative” mentioned in the above clause means father, mother, sister, brother-in-law, daughter, father-in-law and mother-in-law, son-in-law first cousin of self, wife, father-in-law and mother-in-law of son & daughter.
- (ii) The person tendering mentioned in above clause means any individual contractor or a partner or means any individual contractor or Director of any firm or Company.
- (xxxiii) Income Tax/ Cess will be deducted at source from contractor’ bills /dues in accordance with latest Govt. orders from time to time. The contractor will have no objection to this effect.

(xxxiv) This procurement shall be governed by the policy decision/ guidelines on procurement of stores issued by Department of Industries & Commerce, Haryana vide GO No. 2/2/2010-4 I BII dated 28 May 2010 and latest amendment/ modification there to. These instructions are available on the State Govt. website i.e. [www.haryana.gov.in./](http://www.haryana.gov.in/) [dsndharyana.gov.in.](http://dsndharyana.gov.in) The latest instructions in this regard, issued vide G.O. no. No.2/2/2016-4IBII (1) dated 20.10.2016.

(xxxv) HAREDA reserve the rights to verify the claimed capacity of the bidder, at any stage, from their own or through a third party. Bidder/ successful supplier will have to extend all cooperation. If the claim of the bidder is found negative, then HAREDA may consider rejecting / cancelling the bid/contract.

**Read and accepted.**

I/ We hereby quote to supply the goods and materials specified in the under written schedule in the manner in which and within the time specified as set forth in the conditions of contract at the rates given in the financial bid. The conditions will be binding upon me / us in the event of acceptance of my / our tender.

I / We herewith enclose proof of Earnest Money deposit of Rs 2,00,000/- (Rupees two lac only) as well as Tender Fee of Rs. 5,000/- & e-Service fee of Rs.1,000/- or I / We herewith enclose letter issued by Industries Department, Haryana for exemption of EMD as well as Tender Fee & eService fee of Rs. 1,000/- each and should I / We fail to execute the work order released by HAREDA in case our bid is accepted, I / We hereby agree that the above sum of earnest money shall be forfeited by the Director, HAREDA.

(Signature of the authorized signatory)

Name:

Designation:

Company seal:

**Format for forwarding letter**  
**(To be submitted by tenderers on the official letter head of the company)**

No.

Dated:

To

The Director,  
Haryana Renewable Energy Development Agency,  
Institutional Plot No.-1, Akshay Urja Bhawan,  
Sector-17, Panchkula

Subject:- **Offer in response to notice inviting tender no. \_\_\_\_\_ for rate contract for supply of light emitting diode (LED) bulbs, LED Panel lights & tube lights for indoor applications and LED based energy efficient street lighting fixtures for outdoor applications in Haryana.**

Sir,

We are hereby submitting our offer in compliance with terms and conditions of the Notice Inviting Tender No.\_\_\_\_\_. As specified, the offer has been submitting in two different envelopes duly marked and seal.

We also further declare:

- a) That we are submitting this offer under the above mentioned notice after having fully read and understood the nature of the work and having carefully noted all the specifications, terms and conditions laid down in the tender document.
- b) That we shall execute the offer work as per specifications, terms and conditions of the tender document. That our offer shall remain valid for 180 days from the date of its opening and further, if awarded, rate contract shall remain valid for one year from its date of issue.

Yours faithfully,

(Authorized signatory)

Name:

Designation:

Company seal:

**Format for Confirmation of minimum eligibility condition  
(To be submitted by tenderers on the official letter head of the company)**

No.

Dated:

To

The Director,  
Haryana Renewable Energy Development Agency,  
Institutional Plot No.-1, Akshay Urja Bhawan,  
Sector-17, Panchkula

**Subject:- Confirmation of minimum eligibility condition for Notice Inviting Tender No. \_\_\_\_\_ for rate contract for supply of light emitting diode (LED) bulbs, LED Panel lights & tube lights for indoor applications and LED based energy efficient street lighting fixtures for outdoor applications in Haryana.**

Sir,

Having examined the tender document of NIT No. \_\_\_\_\_, we hereby confirm the following (please tick whichever is applicable) towards the minimum eligibility condition to participate in the tender for rate contract for supply of light emitting diode (LED) lamps & tube lights for indoor applications and LED based energy efficient lighting fixtures for outdoor applications in Haryana.

1.

(i) We are a body incorporated in India under the Companies Act, 1956 / Companies Act, 2013.

(ii) We are manufacturer of LEDs/ electronics Driver/ luminary (tick the correct).

(iii) We are an Indian Manufacturer having In-house electronic manufacturing & fixture assembly process and proof in support to this is enclosed.

(iv) We shall use the LEDs of Make \_\_\_\_\_ which is a \_\_\_\_\_ (Indian/ Foreign Make).

(v) We have adequate testing facilities to conduct electrical, optical, thermal & environmental tests proof in support to this is enclosed.

(vi) We have the average annual turnover of Rs \_\_\_\_\_ crores in the last three years, 2013-14, 2014-15 & 2015-16.

(vii) We have experience for supply of LED Based lighting bulb/ fixtures of Rs. .... Crore to Central/ State Govt. Departments/ Agencies/ Project Owners and have good track record with those agencies.

2. We have valid LM-80 test report/s & required test report/s from \_\_\_\_\_ tested during \_\_\_\_\_ for the item No. \_\_\_\_\_.

3. We have valid LM-79 test report/s & required test report/s from \_\_\_\_\_ tested during \_\_\_\_\_ for the item No. \_\_\_\_\_.

4. That we have never been debarred from executing similar type of work and the quoted item/s by any central/state/public sector undertakings/departments.

Yours faithfully,  
(Authorized signatory)

Name:

Designation:

Company seal:

**Detail of past experience against supply made to various Central/State Govt. Departments/Agencies/Project Owner in the last three years (2013-14 to 2015-16) Information in support of meeting eligibility conditions for supply.**

Details of orders received and executed by manufacturer for supply LED Based lights of any category to different govt. organizations/state nodal agencies in the last three years.

Sr. No.	Name of agency / Deptt./organization	P.O. NO. & date along with ordered Qty.	Purchase order value (Rs.)	Name of Item with brief details	Qty. supplied	Date & Year of supply
1	2	3	4	5	6	7
G.Total						

I/ We confirm that all the details mentioned as required above and the documents/enclosures submitted in support of the same are true and correct and if HAREDA observes any misrepresentation of facts on any matter at any stage of evaluation, the HAREDA has right of rejecting the Bid.

**Note:** The following documents are also attached:

- (1) Photocopies of Purchase orders
- (2) Photocopies of certificate of satisfactory performance issued by concerned Govt. Department / Agency/Organization/ Project Owners.

Signature of Authorized Signatory  
Name \_\_\_\_\_  
Company seal \_\_\_\_\_

**Technical Specifications for 7/9 Watt LED based Energy Efficient lighting Bulb****{ITEM NO. 1& 2 {7 & 9 WATT LED Bulb}}**

<b><u>Parameters</u></b>	<b><u>Requirements</u></b>	<b><u>Applicable standard/IS</u></b>
Light Source	SMD LED Chip	LM80/ 16106
LED Make	LEDs of only Nichia, Cree, Osram, Opto Seoul, Philips Lumileds, Ever Light, Samsung, Edison Opto and Lednium will be accepted. Chip package supplier should have an active marketing office in India. Proof should be provided for the same. The chip manufacturer should also hold the patent for chip offered or hold written permission/cross licenses from the original manufacturer/ Designer of the chip for manufacturing the offered design	LEDs must confirm to LM-80 & Photo Biological Test.
Lamp Wattage	7 W ( suitable to replace 40 W ICL) 9 W (Suitable to replace 60 W ICL)	16102-1 and 16102-2
CCT	Cool white (5700K, 6500K)	16102-2 CCT range as per standard.
Base Cap	B22	16102-1
Ingress Protection	IP20	-
Lamp Efficacy (lm/w)	Minimum 100	16102-2 and 16106
CRI	Minimum 80	16102-2 and 16106
Beam angle (Typical Value)	>120°	16102-2
Junction temp	Maximum 85°C	16102-1
LED Chip Efficacy Harmonics Lumen Maintenance @ 25°C ambient temp. +/- 2°C	Minimum 130Lm/W. Maximum 15% Minimum 80% after 6000 hrs indoor application	Method of Test as per IS 16102-2 16102-2 and 16105.
Power Factor	Minimum 0.9	16102-2
Life Hrs	Minimum 25,000	16102-2 and 16106
Operating voltage Rated Voltage	100 V – 300 V 220V-240V	16102-2
Surge Voltage	withstand 2.5 kV	-
Working Temp	-10 to 45 deg C	-
Working Humidity	10% - 90% RH	-
Safety Requirement	All Test	16102-1



Driver Efficiency	>85%	-
Accelerated operational life test	Product shall be operated continuous for 6000 hours. Test has to conduct at 45°C at the end of test, no visual damage shall be observed and lamp shall alight for more than 15 min after test.	NABL Test Report (Lab may certify that, if the samples are still under testing or else intermittent test results at every 1000hrs to be reported, if sample has crossed such testing intervals)

### **General Requirements:-**

- a. The lamp housing or heat sink shall be made up of aluminium or any other material made from either extruded or pressure die casted aluminium/ other suitable materials or any manufacturing process to withstand lifetime performance and having high thermal conductivity material.
- b. Suitable diffuser may also be provided to increase the illumination, uniformity and distribution.
- c. Design of the thermal management shall be done in such a way that it shall not affect the properties of the diffuser and ensure adequate temperature control of bulb body so as not be adversely impact the warranty period of 3 years.
- d. The connecting wires used inside the system, shall be low smoke halogen free, fire retardant PTFE cable and fuse protection shall be provided in input side.
- e. **The LED Chip array and the driver electronics should be on independent PCB Cards. Fusible resistor is permitted as long as the bulb meets all the specifications as per tender**

**Note:** Adequate di-electric protection (isolation-minimum 1.5 KV di-electric resistance) to be provided in the bulb design to prevent any possibility of electric shocks to user from leakage or short circuiting from lamp body.

**{ITEM NO. 3}**  
**20 WATT LED TUBE LIGHT FITTING (INDOOR)**

**Type of Tube Light-20 W Energy Efficient LED Tube Light**

<b>Parameters</b>	<b>LED Tube Lights Requirements</b>	<b>Applicable IS, and the documents to be submitted</b>
Tube Light Wattage	20W(suitable to replace T5/T8/T12 Tube Lights) +/- 5 % tolerance	NABL Test Report
LED Make	LEDs of only Nichia, Cree, Osram, Opto Seoul, Philips Lumileds, Ever Light, Samsung, Edison Opto and Lednium will be accepted.	LM 80 test report should have an accreditation of ILAC/MRA/KOLAS/EPA International Certifying Agencies
Working Voltage	100 - 300 V AC	NABL Test Report
Rated Voltage for performance and Life Time	220 V-240 V	NABL Test Report
LED Chip Efficacy	Minimum 130 Lm/W	LED Technical Datasheet for the LED light source intended for supply for the project to be submitted
LED lamp Efficacy	Minimum 100 lumens/watt	LED Technical Datasheet for the LED light source intended for supply for the project to be submitted
Minimum Luminous Flux	2000 Lumens +/- 5 % tolerance	,NABL Test Report
Frequency	47 to 55 Hz	NABL Test Report
Colour Rendering Index (CRI)	Minimum 80	16102-2 and 16106, NABL Test Report
Total harmonic distortion (THD)	Maximum 15%	16102-2,NABL Test Report
CCT	5700 K	16102-2 CCT range as standard or ASNL, NABL test report to be submitted
Product Beam Angle	>120°	16102-2, NABL Test Report
Power factor	0.95 at full load, 230 Vac	16102-2, NABL Test Report
Light Source	SMD/ COBLED Chip	LM80/16106
Life Expectancy of Driver	Min. 30,000 hours	IS 15885,NABL Test Report
Driver efficiency	More than 85 %	IS 15885,NABL Test Report
Ingress Protection	IP20 (Indoor)	NABL Test Report
Lamp Housing	Glass tube light with proper heat dissipation meeting all the safety standards. LED tube light should have diffused cover/film(milky diffuser) and no LED light	Test Report

	source should be visible and the light on the diffused cover must be uniform without any dark spots.	
Batten	Should be of high pressure die-cast/extruded aluminum with ADC 12 alloy OR Powder coated CRCA sheet The end caps of the Batten should be of high quality fire retardant Polybutylene terephthalate(PBT) or Poly carbonate(PC). The material of the batten must be anti alloying, anti ageing & anti corrosive with proper heat dissipation complying with all safety standards	Test Report
Lumen Maintenance @ 85 Deg C and LED Life at 25 Deg C,230 V	Minimum 70 % upto 25000 Hrs (Indoor applications) and life expectancy upto 50000 Hrs for LED	LM-80 test report to be submitted
Lumen Maintenance @ 25 Deg C ambient (+/- 2Deg C)	Minimum 80 % after 6000 Hrs (Indoor applications). Intermittent test results at every 1000 hours to be reported.	16102-2 and 16105, NABL (Lab may certify that if the samples are still under testing or else intermittent test results at every 1000 Hrs to be reported, if samples has crossed such test intervals)
Surge Protection	Withstand 2.5 KV	NABL Test Report
Voltage Dips & Interrupts	As per IEC 61000-4-11	NABL Test Report
Working Temp	-10 to 45 Deg C	NABL Test Report
Outer Body Temp	Max. upto 70 Deg C( with +/- 5 Deg C) at 25 Deg C ambient temp	NABL Test Report
Working Humidity	10 % - 90 % RH	NABL Test Report
Safety Requirement	All Test	16102-1,NABL Test Report
Adequate Di-electric protection	(Isolation-minimum 1.5 KV di-electric resistance) to be provided in the Tube light design to prevent any possibility of electric shock to user from leakage or short circuiting from tube light body.	NABL Test Report

1. Length of 20 W LED Tube Lights must be same as pin to pin length of conventional T8/T12 Tube Lights.  
The phase and neutral connection must be on the one of the either sides of the Tube-Light.

2. Length of Input connecting wire for connection must be minimum 200 mm additional from the centre of batten i.e. in addition to the connection of output holder to centre.
3. The length of the batten must be same as the conventional T8/T12 fixtures (4 Ft - 1219.2 mm)
4. The wire connected to the end cap must be fixed properly and the internal wiring arrangement must be shock proof with proper insulation.
5. The batten must be strong and robust enough so as to carry the weight of the tube.
6. All the installation accessories as required must be provided. Clamps & Screws used for fixing the LED batten on wall must be of stainless steel.
7. The illumination length must be between 1120 mm to 1130 mm.

**{ITEM NO. 4}****32 WATT LED PANEL LIGHTS 2'X2' RECESS TYPE FITTING (INDOOR)**

Working Voltage	110 - 260 V AC
System Wattage	32W +/-5%
LED Make	LEDs of only Nichia,Cree,Osram,Opto Seoul, Philips Lumileds, Ever Light, Samsung, Edison Opto and Lednium will be accepted.
LED Chip Efficacy	Minimum 135 Lm/W
LED lamp Efficacy	Minimum 100 lumens/watt
Frequency	50 +/- 1 Hz
Luminaire Technical Requirement	The viewing angle of the Luminaire should be 120 degree.
Colour Rendering Index (CRI)	> 80
Total harmonic distortion (THD)	Should not be more than 10%
Corrected Colour Temperature (CCT)	6500 K
Average Lighting Angle	120°
Power factor	> 0.95
Lamp Starting Time	Should not be more than 5 seconds
Control Circuit	Compatible to LED
LED / Type	High Power LEDs should be used
Life Expectancy (Design life)	Min. 50,000 burning hours
Ingress Protection	IP20 (Indoor)
Fitting	The complete fitting Panel suitable for recess mounting
Driver efficiency	More than 85 %
illumination	The illumination should be uniform without Dark Bands or abrupt variations and have Defused glass for soothing to the eyes
Lumen Maintenance for LED Chip	As per LM-80 report of chip
Surge Protection	Not less than 2.0 KV

**{ITEM NO. 5}****38 WATT LED PANEL LIGHTS 2'X2' SURFACE TYPE FITTING (INDOOR)**

Working Voltage	110 - 260 V AC
System Wattage	38W +/-5%
LED Make	LEDs of only Nichia,Cree,Osram,Opto Seoul, Philips Lumileds, Ever Light, Samsung, Edison Opto and Lednium will be accepted.
LED Chip Efficacy	Minimum 130 Lm/W
LED lamp Efficacy	Minimum 85 lumens/watt
Frequency	50 +/- 1 Hz
Luminaire Technical Requirement	The viewing angle of the Luminaire shall be 120 degree.
Colour Rendering Index (CRI)	> 75
Total harmonic distortion (THD)	Should not be more than 10%
Corrected Colour Temperature (CCT)	6500 K
Average Lighting Angle	120°
Power factor	> 0.95
Lamp Starting Time	Should not be more than 5 seconds
Control Circuit	Compatible to LED
LED / Type	High Power LEDs should be used
Life Expectancy (Design life)	Min. 50,000 burning hours
Ingress Protection	IP20 (Indoor)
Fitting	The complete fitting Panel suitable for surface mounting
Driver efficiency	More than 85 %
illumination	The illumination should be uniform without Dark Bands or abrupt variations and have Defused glass for soothing to the eyes
Lumen Maintenance for LED Chip	As per LM-80 report of chip
Surge Protection	Not less than 2.0 KV

**{ITEM NO.6 to 11}**

**GENERAL SPECIFICATIONS FOR LED STREET LIGHT & LED FLOOD LIGHT FIXTURES**

<b>Parameter</b>	<b>Type of Test/ specification / requirement</b>	<b>Test Method / Applicable Standard(test reports to be submitted)</b>
Type of LED	High bright white power LEDs shall be used in the luminaires.	-
Operating current of LEDs	< 70 % of rated maximum forward current, in the range of 350 to 1000mA	NABL Test Report
Wattage-Maximum	One Watt to five Watt	Specify wattage & no. of LEDs used in each Luminaire
Wattage at operating current(Design)	One Watt to three Watt	NABL Test Report
LED Make	LEDs of only Nichia,Cree,Osram,Opto Seoul, Philips Lumileds, Ever Light, Samsung, Edison Opto and Lednium will be accepted. Manufacturer shall submit proof of procurement of LEDs and LM-80 test reports of specific LED used in the luminaire ( no other Chip details to be offered)	LM 80 test report should have an accreditation of ILAC/MRA/KOLAS/EPA International Certifying Agencies
Life span	Life span of LEDs used in the Luminaire shall be greater than 50,000 hours at 70% light output ( manufacturer shall submit the proof)	LM-80/IS 16105,NABL Test Report to be submitted
LED chip Efficacy (at operating current (design) and Tj=85 Deg C)	LED chip Efficiency should be > 135 lumens/watt	LED Technical Datasheet for the LED light source intended for supply for the project to be submitted
CRI	Color Rendering Index of the LEDs used in the luminaire should be >70	LM-80/IS 16106,NABL Test Report
Co-related Colour Temperature(CCT)	5000 K or 5700 K(ANSI)-Bidder to declare	LM-79/ IS 16102-2,NABL Test Report to be submitted
Power Factor	>0.95	LM79/IS16102-2,NABL

		Test Report to be submitted
System efficacy(lumen/watt)	>100 lumen/watt	LED Technical Datasheet for the LED light source intended for supply for the project to be submitted
CRI of Luminary	>70	LM79/IS16102-2,NABL Test Report to be submitted
Internal Voltage Surge Protection	Universal electronic driver with internal surge protection of 4 KV	IS:15885, Driver safety 16104-1/2
External Voltage Surge Protection	External Voltage Surge Protection of minimum 10 kV to be separately installed with the each fixture	ANSI C136.2-2014
Total Harmonic Distortion (THD)	<10 % for complete fixture	Test method IEC :61000-3-2,NABL Test Report
LED Driver Efficiency	>85 %	Test report of NABL Acc. Lab
Luminaire Housing	<p>Should be made up of corrosion free High Pressure Die Cast Aluminum confirming to min. IP-65 for luminaire of 60 W or below. IP-66 for luminaire &gt; 60 W. Protection &amp; Safety- as per IEC 60598/IS: 10322.</p> <p>The outdoor luminaire shall be equipped with distortion free, clear, heat resistant, toughened, UV stabilized glass cover in the front fixed to the die cast aluminum frame which shall be fixed to the housing by means of stainless steel screws. Fixture with complete bracket with locking bolt.</p> <p>The luminaire shall be built in such a way that it can withstand wind speed of 150 Kmph.</p>	IS 10322 part 5 ,sec-3/IEC :60598-2-3
Frequency	50Hz +/-3%	Test report of NABL Acc. Lab
Working humidity	10% to 90%RH	Test report of NABL Acc. Lab
System components	All printed circuit board used in the driver must be of glass proxy FR-4 and metal core PCB.	-
Lumen Maintenance for LED Chip	As per LM-80 report of chip	LM-80 Test Report to be submitted
Operating voltage	140 V-270 V	16102-2, NABL Test Report
Working Temperature	-10 to +50 Deg C	NABL Test Report
Degree of protection	IP-65 (upto 60 W) or IP-66 (>60 W)	As per IS:10322,NABL



		Test Report
Pole entry	Should be suitable for mounting of 30 to 56 mm diameter of existing pole.	-
Housing	Single Housing, side entry, corrosion free high pressure Aluminum die-cast/extruded Aluminum, grey colour corrosion resistant polyester powder coating, fixing arrangement-maintenance friendly.	
Lens/Lens module for LEDs	LED lights shall be provided with Lenses/Lens modules. Lens should be of material resistant to de-gradation during service, due to atmospheric components, to avoid adverse impact on light output	
Cover Glass/Lens cover	<b>Glass</b> -Distortion free, clear, heat resistant, toughened, UV stabilized glass; <b>Lens Cover</b> -Should be of material resistant to de-gradation during service, due to atmospheric components, to avoid adverse impact on light output	
Cover Frame	Polycarbonate cover fixed to the Housing by means of stainless steel screws	

The luminaire should be built in such a way that it can withstand wind speed of 150 Kmph. NABL test report as per IEC/ES:62262:2002 supporting the same shall be furnished by the manufacturer.

The LED Street Lighting Fixtures should have the following Levels of illumination in the Standard Test Conditions as per IS: 1944/ IS: 1981:-

Type of Road/ Group	Road characteristics	Average level of illumination on road surface in Lux	Ratio of Minimum / Average Illumination
A-1	Important Traffic routes carrying fast traffic	30	0.4
A-2	Main roads carrying mixed traffic like city main roads/ streets, arterial roads, throughways	15	0.4
B-1	Secondary roads with considerable traffic like local traffic routes, shopping streets	8	0.3
B-2	Secondary roads with light traffic	4	0.3

Further, as per IS: 1944/ IS: 1981, the mounting height of the luminaries as follows:

Group	Recommended mounting height
A	9 to 10 meters
B	7.5 to 9 meters
Others( Roads bordered by trees)	Less than 7.5 meters

Note: If same fixture/s is/are used for other capacity of lighting, IP Test for one of same fixture/ s is sufficient for consideration.

**{ITEM NO-6}**  
**18 W LED STREET LIGHT FIXTURE**

Sr. No	Parameters	Value
1.	Rated capacity	18 W
2.	System Power Consumption	18+/- 5%
3.	Minimum Lumen Output	2000 Lumens
4.	High Voltage Protection	Cut off 310+/-10V AC and auto restart

**{ITEM NO-7}**  
**35 W LED STREET LIGHT FIXTURE**

Sr. No	Parameters	Value
1.	Rated Capacity	35 W
2.	System Power Consumption	35+/-5%
3..	High Voltage Protection	Cut off 310+/-10VAC and auto restart
4.	Minimum Lumen Output	4000 Lumens

**{ITEM NO-8}**  
**70 W LED STREET LIGHT FIXTURE**

Sr. No	Parameters	Value
1.	Rated Capacity	70 W
2.	System Power Consumption	70+/- 5%
3.	High Voltage Protection	Cut off 310+/-10VAC and auto restart
4.	Minimum Lumen Output	7500 Lumens

**{ITEM NO-9}**  
**130 W LED STREET LIGHT FIXTURE**

Sr. No	Parameters	Value
1.	Rated Capacity	130 W
2.	System Power Consumption	130+/- 5%
3.	High Voltage Protection	Cut off 310+/-10VAC and auto restart
4.	Minimum Lumen Output	14000 Lumens

**{ITEM NO-10}**  
**100 W LED FLOOD LIGHT FIXTURE**

Sr. No	Parameters	Value
1.	Rated Capacity	100 W
2.	System Power	100 W +/- 5%

	Consumption	
3.	High Voltage Protection	Cut off 310+/-10VAC and auto restart
4.	Minimum Lumen Output	10500 Lumens

**{ITEM NO-11}**

**200 W LED FLOOD LIGHT FIXTURE**

<b>Sr. No</b>	<b>Parameters</b>	<b>Value</b>
1.	Rated Capacity	200 W
2.	System Power Consumption	200 W+/- 5%
3.	High Voltage Protection	Cut off 310+/-10VAC and auto restart
4.	Minimum Lumen Output	23000 Lumens

**ANNEXURE-II****TECHNICAL BID FOR SUPPLY OF LIGHT EMITTING DIODE (LED) LAMPS, LED PANEL LIGHTS & TUBE LIGHTS FOR INDOOR APPLICATIONS AND LED BASED ENERGY EFFICIENT LIGHTING FIXTURES FOR OUTDOOR APPLICATIONS ON RATE CONTRACT**

<b>S. No</b>	<b>Details</b>	<b>To be furnished by the bidder</b>	<b>*Reference page no. Of the bid</b>
1.	(i) Name & address of the bidder with telephone, Mobile, fax nos. & E-mail etc.  (ii) Place of registration of the firm ( attach copy of registration certificate)		
2.	Whether the bidder is a body incorporated in India under the Companies Act, 1956 / Companies Act, 2013 ( Please proof in support)	Yes/ No	
3.	Type of organization - Sole proprietor - Partnership firm - Private Ltd. Company - Public Ltd. Company - Haryana Based Small Enterprise - Haryana based Micro Enterprise - Any others ( please attach memorandum of article association/ relevant document)		
4.	Name & designation of the authorized signatory to whom reference shall be made  ( please also attach authority letter)		
5.	Category (Manufacture of LED/ Electronic Driver/ Luminary)  ( please attach copy of proof as manufacturer)		
6.	Whether an Indian Manufacturer having In-house electrics manufacturing & fixture assembly process (attach proof in support )	Yes/ No	
7.	Make of LEDs to be used in quoted item/s ( attach proof in support)		
8.	Whether adequate testing facilities are with the bidder to conduct electrical, optical, thermal & environmental tests (proof in support)	Yes/ No	
9.	VAT/ Sale tax registration number ( please also attach proof)		
10.	Detail of any existing service network in Haryana (name & address of service centre, year of		

	opening)		
11.	<p>✓ { Please tick which is applicable }</p> <p>(i) EMD of Rs. 2,00,000/-</p> <p>(ii) Supporting document / certificate issued by competent Govt. authority for the Central or Haryana Public Sector Enterprises or “approved sources” as declared by the Industries Department, Haryana seeking exemption for EMD</p>	Furnished/ Not furnished	
12.	Serial number of Quoted Item/s ( please mention as per tender document)		
13.	Valid Test Reports of the quoted lighting items <b>issued on or after 1<sup>st</sup> April, 2013</b>	Test Report	
	S.No. (item no.)      Name of item quoted	Attached/ not attached	
14.	LM-79 & LM-80 Test Report/s <b>issued on or after 1<sup>st</sup> April, 2013</b>		
15.	Attach in support of having in-house SMT set up / tie up certificate with the firm/ lab having SMT	Attached / not attached	
16.	Annual turnover of the last three years i.e. 2013-14, 2014-15, 2015-16, Attach consolidated information duly certified by CA in Annexure-III.	Attached / not attached	
17.	Copies of work orders completed during the last three year last date of tender submission along with satisfactory completion certificate from the concerned agency in proforma –III	Attached / not attached	
18.	Sample of the quoted items	Submitted / not submitted (Also attach receipt)	
19.	Authority letter from company for signing the papers on behalf of company with seal	Attached / not attached	
20.	<p>(i) Tender Document Fee of Rs. 5,000/-</p> <p>(ii) E-service fee of Rs. 1,000/-</p> <p>( please also attach proof)</p>	Submitted/ not submitted	
21.	Place of Billing ( attach copy of Sales Tax no. issued by competent authority)	Attached/ not attached	

\* It is **Mandatory** to mention where the required information/ document is submitted/ attached in the bid.  
 (Signatures of the authorised signatory)  
 Name:  
 Designation:  
 Company seal:

**Annual turnover of the year 2013-14, 2014-15 & 2015-16**

Name of the Firm \_\_\_\_\_

Address \_\_\_\_\_

Contact Number \_\_\_\_\_ -

<b>S.No.</b>	<b>Financial Year</b>	<b>Turn over (Rs in Lacs)</b>
1.	2013-14	
2.	2014-15	
3.	2015-16	

Signature of the CA with seal

Name \_\_\_\_\_

M.No. \_\_\_\_\_

**ANNEXURE-IV****PRICE PART OF BID FOR SUPPLY OF LIGHT EMITTING DIODE (LED) LAMPS, LED PANEL LIGHTS & LED TUBE LIGHTS FOR INDOOR APPLICATIONS AND LED BASED ENERGY EFFICIENT LIGHTING FIXTURES FOR OUTDOOR APPLICATIONS IN HARYANA.**

Item No.	Name of the Item	Unit	Basic cost per unit (piece) F.O.R. including transportation & packaging inclusive of all taxes/ octroi etc ( total cost of supply per piece) each )	*VAT { in% &Rs. Per piece }	Supply capacity per month ( numbers)
1	7 watt LED Lamp with 3 years warranty	Per piece	Rs. _____ (Rupees _____)		
2	9 watt LED Lamp with 3 years warranty	Per piece	Rs. _____ (Rupees _____)		
3	20 watt LED Tube Light Fitting for indoor applications (suitable to replace T5/T8/T12 conventional Tube lights) with 3 years warranty	Per piece	Rs. _____ (Rupees _____)		
4.	32 watt LED Panel Lights 2'X2' recess type with 3 years warranty	Per piece	Rs. _____ (Rupees _____)		
5.	38 watt LED Panel Lights 2'X2' surface type with 3 years warranty	Per piece	Rs. _____ (Rupees _____)		
6	LED street light fixture with 18 watt. Lamp (suitable to replace Assorted wattage Tube Light & CFL) with 5 years warranty	Per piece	Rs. _____ (Rupees _____)		
7.	LED street light fixture with 35 watt. Lamp (suitable to replace CFL-85 Watt/70W HPSV and 14 X 4 Watt T5 Tube Light) with 5 years warranty	Per piece	Rs. _____ (Rupees _____)		
8	LED street light fixture with 70 watt. Lamp (suitable to replace 150W HPSV and 24 X 4 Watt T5 Tube Light)) with 5 years warranty	Per piece	Rs. _____ (Rupees _____)		
9	LED street light fixture with 130 watt. Lamp (suitable to replace 250W HPSV/HPMV Lamp) with 5 years warranty	Per piece	Rs. _____ (Rupees _____)		
10	LED flood light fixture with 100 watt Lamp with 5 years warranty	Per piece	Rs. _____ (Rupees _____)		
11	LED flood light fixture with 200 watt Lamp (suitable to replace 400W HPSV/HPMV Lamp) with 5 years warranty	Per piece	Rs. _____ (Rupees _____)		

**\* Mandatory for those bidders who have sales office in Haryana & confirm to raise bill from Haryana.**

Place of the billing: \_\_\_\_\_ (place from where bill will be raised)

Signature  
With seal

**ANNEXURE-V**

**PERFORMANCE SECURITY FORM**

To:

\_\_\_\_\_

\_\_\_\_\_

WHEREAS..... (Name of firm) hereinafter called "the Contractor ")  
has undertaken, in pursuance of Contract No..... dated ..... to  
supply..... (Description of Store/ item/s) (hereinafter called "the  
Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you  
with a Bank Guarantee by a scheduled commercial Bank for the sum specified therein, as security for  
compliance with the Contractor's performance obligations in accordance with the Contract. AND  
WHEREAS we have agreed to give the Contractor a Guarantee:

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Service  
Provider, up to a total of..... (Amount of the Guarantee in Words  
and Figures) and we undertake to pay you, upon your first written demand declaring the Contractor to be  
in default under the Contract and without cavil or argument, any sum or sums within the limit of  
..... (Amount of Guarantee) as aforesaid, without your needing to prove or to show  
grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the .....day of.....

Signature and Seal of Guarantors (Service Provider's Bank).....

Date.....

Address...



## **ANNEXURE-A**

### **Format of Affidavit**

#### **(Seeking benefits/concessions in Past performance/Experience & Purchase Preference by Haryana based manufacturing Micro & Small Enterprises (MSEs) in the state Public Procurement)**

(On non judicial paper of Rs. 10/-)

I \_\_\_\_\_ S/o \_\_\_\_\_ aged \_\_\_\_\_ resident at \_\_\_\_\_ Proprietor/ Partner/ Director of M/s \_\_\_\_\_ do hereby solemnly affirm and declare that:-

1. My/our above noted enterprise M/s \_\_\_\_\_ (Name & Address) \_\_\_\_\_ has been issued Manufacturing Entrepreneurs Memorandum in Haryana by the District Industries Centre \_\_\_\_\_ under acknowledgement No. \_\_\_\_\_ of dated \_\_\_\_\_ (Self Certified Copy of the same is attached as Annexure 'A' with the affidavit) and has been issued for manufacture of the following items in category Micro/Small Enterprise (please tick the either) as under:-

i. \_\_\_\_\_

II. \_\_\_\_\_

iii. \_\_\_\_\_

2. That the quoted item(s) in the tender \_\_\_\_\_ is one (or more) of the item for which my/our above noted enterprise has been issued Manufacturing Entrepreneurs Memorandum by the Industry Department Haryana as per details at para 1 above.
3. That my/our above mentioned manufacturing Micro/Small Enterprises fulfils either or both of the below mentioned eligibility criteria:

i. That my/our above mentioned enterprise has been issued quality certification of ISI Mark/ISO/Ag.Mark/any other quality mark \_\_\_\_\_ (please tick either of the option) by \_\_\_\_\_ (name of GOI/State Govt. Agency/Institution authorized by GOI/State Govt.) on \_\_\_\_\_ and the name is valid from \_\_\_\_\_ to \_\_\_\_\_ in respect of item/good (give name of item/good) \_\_\_\_\_ mentioned in the tender (Self Certified Copy of the relevant certificate is attached as Annexure 'A' with the affidavit)

#### ***OR/AND***

ii. That my/our above mentioned enterprises has been registered with DGS&D, GOI/NSIC / Govt. of India Departments/State Govt. Department/ Govt. of India Public Sector Undertakings (PSUs) (Please tick one of the option as above) in respect of Name of item/goods/work/services \_\_\_\_\_ (Name) as mentioned in the tender for the corresponding period of time of this tender. A self certified Copy of the same attached as Annexure 'B' with the affidavit

4. That in case the Purchase Order of the quoted item is issued to me/us, it will not be outsourced or subcontracted to any other and the entire manufacturing of the order item shall be done in-house by our Enterprise based in Haryana (address mentioned as at St. No.1). Further, the billing will be done from Haryana.

Dated:

**DEPONENT**

#### **VERIFICATION:**

Verified that the contents of para no. 1 to 4 of the above are true and correct to my knowledge as per the official record and nothing has been concealed there in.

Dated:

**DEPONENT**

**Format of Affidavit**

**(For seeking benefits/concessions in by Haryana based manufacturing Medium Enterprises in past performance / Experience & Purchase Preference in the state Public Procurement)**

(On non judicial paper of Rs. 10/-)

I \_\_\_\_\_ S/o \_\_\_\_\_ aged \_\_\_\_\_ resident at \_\_\_\_\_  
\_\_\_\_\_ Proprietor/ Partner/ Director of  
M/s \_\_\_\_\_ do hereby solemnly affirm and declare  
that:-

1. My/our above noted enterprise M/s \_\_\_\_\_ (Name & Address) \_\_\_\_\_ has been issued Manufacturing Entrepreneurs Memorandum in Haryana by the District Industries Centre \_\_\_\_\_ under acknowledgement No. \_\_\_\_\_ of dated \_\_\_\_\_ (Self Certified Copy of the same is attached as Annexure 'A' with the affidavit) and has been issued for manufacture of the following items in category Medium Enterprise (please tick the either) as under:-
  - i. \_\_\_\_\_
  - ii. \_\_\_\_\_
  - iii. \_\_\_\_\_
  - iv. \_\_\_\_\_
2. That my/our above mentioned manufacturing Medium Enterprises meet all the remaining terms & conditions of the tender except Past Performance/Past Experience.
3. That my first purchase order under this benefit/ concession was issued by State Deptt./Agency) \_\_\_\_\_ vide P.O. No. \_\_\_\_\_ of dated \_\_\_\_\_ for the supply of \_\_\_\_\_ (name of the item/good/work/services) was successfully complied by above mentioned Enterprises. A self certified Copy of the same is attached as Annexure 'B' with this affidavit.
4. That in case the Purchase Order of the quoted item is issued to me/us, it will not be outsourced or subcontracted to any other firm and the entire manufacturing of the order item shall be done in-house by our Enterprise based in Haryana, (address mentioned as at Sr. No. 1)
5. That we agree to the condition that this benefit/concession to the medium enterprise is valid for one year from the date of getting the first supply order under State Public Procurement.
6. That the billing will be done from Haryana.

Dated:

**DEPONENT**

**VERIFICATION:**

Verified that the contents of para no. 1 to 6 of the above are true and correct to my knowledge as per the official record and nothing has been concealed there in.

**Dated:**

**DEPONENT**

## **CHECK LIST**

**(a) List of required Formats/documents to be submitted online duly signed digitally by Authorized Signatory:**

- (i) Cover-1:-Proof of submission of online tender document cost, EMD, E-Service fee & All Non-financial information in the Formats (Annexure-II, Performa-I, II& III as per tender (in .pdf).
- (ii) Cover-2: - Price bid in the Format as per tender ( in . pdf)

NOTE: The financial bid (Price bid) is to be submitted as per format Annexure-IV. This format is to be downloaded from the website <https://haryanaeprocurement.gov.in>, filled & uploaded back to the website <https://haryanaeprocurement.gov.in>.

**(b) Document/ sample(s) required to be submitted in physical form in HAREDA Office:**

Sample of each quoted item to Sample In -charge of HAREDA with a letter (on the letter pad of the bidder) address to the Director, HAREDA with full details of the samples.

**Correspondence for enquiries and clarifications**

All correspondence in respect of the tender and submission of the Tender shall be addressed to:

The Director,  
Haryana Renewable Energy Development Agency (HAREDA),  
Akshay Urja Bhawan, Institutional Plot No.-1, Sector-17, Panchkula,  
PHONE: 0172-2585733, 2585433 EPBX: 0172-2587233, 2587833,  
Fax No.0172-2564433, Email: drehareda@gmail.com Website: [www. hareda.gov.in](http://www.hareda.gov.in)