



BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)
HIGH PRESSURE BOILER PLANT
PURCHASE DEPARTMENT - FOSSIL BOILERS
THIRUCHIRAPALLI - 620014
TAMILNADU (INDIA)

Page
1/3

PHONE :2577645
GRAMS : BHARATELEC
FAX NO: 2520719
E-mail: srchandran@bheltry.co.in
Web:

429-002/A

	Enquiry No 2681500006	Enquiry Date 02.07.2015	Due Date for Quotation 28.07.2015
Please quote Enquiry No, Date and due date in all correspondences. This is only a request for quotation and not an order. Bid should be submitted in two parts. 1.Techno-commercial bid (Part-I) and 2.Price bid(Part-II) in a separate sealed cover and both covers must be placed in a third cover and sealed. Our Enquiry No., Enq. date & Enq. Due date must be written on all three covers.			

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	LED SOLAR STREET LIGHT-30 nos 30 NOS LED SOLAR STREET LIGHTING SYSTEM IN TWO VILLAGES OF TRICHY DISTRICT (DETAILS OF SPECIFICATION ENCLOSED). ALL LED SOLAR STREET LIGHTING SYSTEM TO BE ERRECTED AND COMMISSIONED IN RESPECTIVE VILLAGES. BHEL PV MODULES SHOULD BE USED AT VENDOR SCOPE.	NO	30.000	30.00	31.10.15
20	LED SOLAR STREET LIGHT-20 nos 20 NOS LED SOLAR STREET LIGHTING SYSTEM IN PACHAMALAI HILLS OF TRICHY DISTRICT (DETAILS OF SPECIFICATION ENCLOSED). ALL LED SOLAR STREET LIGHTING SYSTEM TO BE ERRECTED AND COMMISSIONED IN RESPECTIVE VILLAGES. BHEL PV MODULES SHOULD BE USED AT VENDOR SCOPE.	NO	20.000	20.00	31.10.15

General Note:

1. Please submit your detailed offer in two part bid system i.e Part-I. Technical and commercial (unpriced bid) in a sealed cover Part-II. Priced offer in another separate sealed cover.

Both the covers shall be duly super-scribed with tender reference and due date of opening. These covers shall be put in a single cover duly super-scribed with tender reference and due date of opening and addressed to us.

2. Point-to-point confirmation to BHEL's specification and commercial terms & conditions shall be provided Annexure-A. All the Annexures should be filled and submitted along with the technical bid (no row shall be left blank), else your offer is liable for rejection.

3. Offers with validity of less than 120 days and non-acceptance of LD, RP & PBG clause and Payment terms, will lead to rejection of submitted offer.

4. If the due date of tender opening happens to be a holiday, the tenders will be opened on the next working day.

The offers should reach us 30 minutes before the time of opening of tenders. The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening.Late and delayed offers are liable to be rejected.

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED

P.G. ABRAHAM VICTOR
MANAGER PURCHASE
FOSSIL BOILERS
Purchase / MW / 1887
THIRUCHIRAPALLI - 620 014.
BHEL, TRICHY - 620 014.



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Page
2/3
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5. All clarifications may be sought at least seven days prior to tender due date, from the undersigned with due written request.

6. BHEL reserves the right to go for a reverse auction (RA) instead of opening the submitted sealed bid, which will be decided after technical evaluation. Information and general terms and conditions covering RA are given in commercial terms and conditions (Annexure-A/Point no.14)

7. Please note that, there will not be any due date extension for this tender and hence kindly submit your offer well before due date.

8. Vendors are requested to avoid the following points while submitting the Bid Documents:

- Loose or spiral bound bid documents are not encouraged.
- In case of any corrections/overwriting in the tender documents, the same shall be duly attested by the bid submitter.

9. Vendor representative having proper ID proof and authorization letter shall attend for tender opening.

10. Corrigendum if any, with respect to this tender will be hosted only in the website <http://www.bhel.com> or <http://tenders.gov.in>. You are requested to visit the website regularly for updates.

List of Attachments:

- Pre-Qualifying Criteria
- Technical Specifications - Annexure-I
- Commercial terms & Conditions-Annexure-A
- Price Format-Annexure-B
- CA Certificate for MSE Vendors-Annexure-III

All the tenders may be addressed to the following address:

**The Tender Opening Cell / MM
Room No: 26, Building 24, Ground Floor
Bharat Heavy Electricals Limited
TIRUCHIRAPALLI 620014**

In case personal delivery of the offer, it shall be dropped into the respective box kept in Room No: 26, after

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Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED


P.G. ABRAHAM VICTOR
Senior Manager
Purchase / MM / MFG
BHEL, TRICHY - 620 014



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duly entering the data in the system.

Offers will be accepted only up to 14.00 Hrs on the due date. Therefore, vendors shall ensure to submit the offers well before this time. All due date extension requirements should be addressed to the respective Purchase mail IDs. All the due date extension requests from vendors will be considered only up to 48 hours before the due date and time.

Vendors are requested to avoid submission of offers through e mail / fax. In case of any unavoidable situation, offers shall be sent through e mail to the following mail ID only tender_cell@bheltry.co.in.

As tenders are being opened by Common Tender Opening Cell, offer covers should be sealed with tenderer's distinctive seal and super scribed with correct Tender No. item of supply and due date of opening.


The offers will be opened at 14.30 hrs on the due date of the tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

Enclosures:

"LD clause has to be confirmed without fail."

The offers should reach us 30 minutes before the time of opening of tenders.
The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED


MANAGER, PURCHASE
P.G. ABRAHAM (FOR
FOSSIL BOILERS)
Senior Manager
Purchase / MM / MFG
BHEL, TRICHY - 620 014

Pre-Qualification terms for LED Solar Street Light System

Basic Qualification:

Use of BHEL made PV Module in the solar street light System.

Other Qualification:

Experience:

- a) One year experience prior to the date of advertisement in installation and maintenance of LED Solar Street Light System.
- b) Should have installed at least 50 number of Solar Street lights.
- c) Letter of proof from concerned parties with address phone number and address.

TECHNICAL SPECIFICATIONS OF SOLAR STREET LIGHTING SYSTEMS

ANNEXURE-I

DEFINITION:

A stand alone solar photovoltaic street lighting system comprising PV module (BHEL Make), LED luminaire, low maintenance battery, control electronics, inter-connecting wires/cables, module mounting hardware, battery box, instruction and maintenance manual.

The scope of this specification covers the manufacture, Supply, transport, installation, testing, commissioning with Comprehensive Maintenance Contract for a period of 5 years including warrantee period for -- 30 nos a stand alone solar photovoltaic street lighting system as per specifications in 2 (Devarayaney and Navalpattu) villages of Trichy District, Tamil Nadu and 20 Nos a stand alone solar photovoltaic street lighting system as per specifications at Pachmalai Hills .

However, all items required for the safe and efficient operation and maintenance of the solar street lighting system shall be specified and supplied by the Vendor..

TECHNICAL SPECIFICATIONS & GENERAL SPECIFICATIONS

S.no.	Description	Vendor to confirm/Specify	Remarks
	The system shall be designed to automatically switch ON at dusk, operate throughout the night and automatically switch OFF at the dawn, under average daily insolation of 5 kWh/Sq.m on a horizontal surface.		
1	<p>PV Module:</p> <p>a) The PV module(s) shall contain mono crystalline silicon solar cells. PV module should be as per IEC 61215 (revised) specifications. Make: BHEL (For getting BHEL Make PV Module, suppliers need to contact BHEL, Electronic Divisions, Bangalore)</p> <p>b) Power output of the module(s) under STC should be of 80W.</p> <p>c) The operating voltage corresponding to the power output mentioned above shall be 17 V.</p> <p>d) The open circuit voltage of the PV module under STC shall be at least 21.0 volts.</p> <p>e) The terminal box on the module shall have provision for replacing the cables, if required.</p> <p>f) A strip containing the following details shall be laminated inside the module so as to be clearly visible from the front side.</p> <ul style="list-style-type: none"> i) Name of the manufacturer or distinctive logo. ii) Model or Type No. iii) Serial No. iv) Year of make. 	BHEL Make only	
2	Light Source: White light emitting diode (W-LED). Use of LED which emits UV light is not permitted		
2.1	Power : 12W		
2.2	Input Voltage: 12 V		

S.no.	Description	Vendor to confirm/Specify	Remarks
2.3	Color temperature: 5500degK to 6000degK		
2.4	LED type: Fail safe type LED (should conduct upon failure)		
2.5	Lamp housing: Die cast Aluminium, powder coated, suitable for outdoor use		
2.6	IP code : IP65		
2.7	Heat sink temperature should not increase more than 20degC above ambient temperature even after 48 hours of continuous operation.		
2.8	LED Ballast: Built in Self ballast (integral type). Light output from the light source must be constant throughout its duty cycle		
2.9	Make of LED package: Philips, Cree, Nichia, OSRAM, Bridgelux, Sharp, Toshiba.		
2.10	The make, model number, country of origin and technical characteristics (including IESNA LM-80 report) of white LEDs used in the lighting system must be furnished		
3	Battery:		
	a) Flooded electrolyte type, positive tubular plate, low maintenance lead acid battery, conforming to relevant BIS standards or gel type VRLA.		
	b) The battery should have a minimum rating of 12V, 75Ah (at C/10) discharge rate.		
	c) 75% of the rated capacity of the battery shall be between fully charged and load cut off conditions.		
	Make and Model No.: Bidder to specify.		
	d) It is mandatory for the battery manufacturers/ bulk users to comply with batteries (Management and handling) Rules 2001 of MOEF, as amended		
4	Electronics:		
4.1	Efficiency should be more than 85%		
4.2	Voltage: 12V		
4.3	Maximum charging current: Bidder to specify		
4.4	Float charge: 13.8V (25 deg C); Main Charge: 14.4V (25 deg C), 30 min Daily; Boost Charge: 14.4V (25 deg C), 2 hours. Charger type :MPPT.		
4.5	Cut off level 11.9 V; Reconnect level of 12.8V		
4.6	Overvoltage protection : 15.5V, by varistor		
4.7	Undervoltage protection: 10.5V		
4.8	Temperature compensation: (-25mV/K at 12V). The electronics should have temperature compensation for proper charging of the battery throughout the year		
4.9	Self consumption: 5 to 10 mA		

S.no.	Description	Vendor to confirm/Specify	Remarks
4.10	Fuses shall be provided to protect against short circuit conditions. Protection for reverse flow of current through the PV module should be provided. Adequate protection should be provided against battery reverse polarity. Adequate protection is to be incorporated under no load conditions, e.g., when the lamp is removed and the system is switched ON.		
4.11	Negative terminal grounding		
4.12	IP code: IP 65		
4.13	The light output should remain constant with variations in the battery voltages.		
4.14	The electronic driver should be replaceable without impacting the LED arrangement in the fixture		
4.15	Necessary lengths of wires/cables and fuses shall be provided.		
4.16	The PV module shall be used to sense the ambient light level for switching ON and OFF the lamp.		
5	Electronic protection:		
	a) Adequate protection is to be incorporated under no load conditions, e.g., when the lamp is removed and the system is switched ON.		
	b) The system shall have protection against battery over charge and deep discharge conditions.		
	c) Fuses shall be provided to protect against short circuit conditions.		
	d) A blocking diode preferably a Schottky type, shall be provided as part of the electronics to prevent reverse flow of current through the PV module(s),		
	e) In case blocking diode is not provided with the PV module(s), Full protection against open circuit, accidental short circuit and reverse polarity shall be provided.		
	f) Electronics should operate at 12V and should have temperature compensation for proper charging of the battery throughout the year.		
6	Mechanical Components:		
	a) Metallic frame structure (with corrosion resistance paint) to be fixed on the pole to hold the SPV module(s). The frame structure shall have provision to adjust its angle of inclination to the horizontal between 0 degree and 45 degree, so that the module(s) can be oriented at the specified tilt angle.		
	b) The pole shall be made of mild steel pipe with a height of 4mtrs. above the ground level after grouting and final installation. The pole shall have the provision to hold the weatherproof lamp housing. It shall be painted with a corrosion resistant paint. The pole along with base plate shall have suitable cement concrete foundation to assisted local worst climate condition. The base plate shall be connected with the foundation with holding down bolted.		
	c) A vented, acid proof and corrosion resistance painted metallic box/ Polyethylene for outdoor use shall be provided for housing the battery.		

S.no.	Description	Vendor to confirm/Specify	Remarks
7	<p>Other features:</p> <p>a) The system should be provided with 2 LED indicators: a green LED to indicate charging in progress and a red LED to indicate deep discharge condition of the battery. The green LED should glow only when the battery is actually being charged.</p> <p>b) There shall be a Name plate on the system, which shall give:</p> <ul style="list-style-type: none"> i) Name of the manufacturer or Distinct Logo. ii) Serial number. <p>c) Components and parts used in the solar street lighting systems should conform to the latest BIS specifications, wherever such specifications are available and applicable.</p> <p>d) Street lighting system (including the battery) shall be warranted for a period of two years from the date of supply. The warranty card to be supplied with the system must contain the details of the system. However the total system has to be maintained for 5 years. Wherever battery replacement is needed, the same has to be done at the bidder cost. The manufacturers can also provide additional information about the system and conditions of warranty as necessary. PV modules should be warranted for 15 years.</p> <p>e) Necessary lengths of wires/cables and fuses should be provided.</p>		
8	<p>An operation, instruction and maintenance manual, in English and the local language, should be provided with the solar street lighting system.</p> <p>The following minimum details must be provided in the manual:</p> <ul style="list-style-type: none"> (a) About solar street lighting system - its components and expected performance (b) About LED (c) About battery (d) Clear instructions about erection of pole and mounting of PV module and lamp housing assembly on the pole. (e) About electronics (f) About charging and significance of indicators. 		

S.no.	Description	Vendor to confirm/Specify	Remarks
9	General installation specifications: a) The SPV module shall be fixed on a rigid pole. The pole of minimum 5 cm dia GI / MS pipe of medium gage with corrosion resistance paint.		
	b) Adequate space shall be provided behind the PV module / array for allowing unobstructed airflow for passive cooling.		
	c) Cables of appropriate size shall be utilized to keep electrical losses to a bare minimum.		
	d) The battery shall locate in a dry area with proper ventilation. Care shall be taken to ensure that the battery is placed with appropriate levelling on a structurally sound surface.		
	e) The control electronics shall not be installed directly above the battery. All wiring shall be in proper conduit or capping conduit or capping casing. Wire shall not be hanging loose.		
	f) Any minor items which are not specifically included in the scope of supply but required for proper installation and efficient operation of the SPV systems is to be provided by the manufacturers / suppliers.		
10	Comprehensive Maintenance Contract for a period of 5 years including warrantee period. The vendor shall give the guarantee for all the parts of the system.		
10.1	Contractor will be responsible for any damage caused to any other installation during the course of work and he shall pay for the cost involved due to damage.		
10.2	The selected Bidders (called Contractor) will provide the necessary training to the concerned users for the proper operation and maintenance within the performance guarantee period (5 years)		
10.3	The meaning of the Comprehensive Maintenance Contract (CMC) means tenderer shall give the warrantee of systems for 5 years including warrantee period under the Contract. During the Warrantee/5year period, any defects and shortcomings in the work/function due to inferior quality of new parts / materials shall have to be replaced and reinstate the system function by the Contractor without any extra cost to the users / BHEL. The contractor will maintain the system during CMC period at his own cost. Further the Contractor shall visit to all the supplied systems quarterly irrespective of any complaint and submit report to BHEL. The contractor shall attend the complaints and undertake the repairs within 15 days time, from the receipt of complaint from beneficiary institute / user.		
11	The Contractor shall provide appropriate tools and equipments to the workmen and ensure that those are in proper working condition and the workmen use the appropriate tools and take precaution "please note that any accident to the work men / public / animals / property both movable and immovable will be entire and sole responsibility of the contractor and any proceeding arising out of the same will be at the contractors risk and cost. BHEL or its employees or any user shall not be responsible for any such incident".		
11.2	Rates shall be inclusive of all types of taxes including VAT/CST, octroi, loading, unloading, transportation, sales tax, general tax and all applicable taxes. At later stage no letter in this regard shall be entertained. However the bidder will be fully responsible for payment of all applicable taxes and duties.		

BHARAT HEAVY ELECTRICALS LIMITED TIRUCHIRAPALLI
CAPITAL PURCHASE

Annexure-A

ACCEPTANCE OF COMMERCIAL TERMS AND CONDITIONS BY THE VENDORS.

(This should be essentially filled in and sent along with the techno-commercial offer without fail. If this check list is not filled and submitted along with techno-commercial offer (Part I) or if the vendor does not confirm acceptance to the terms and conditions proposed herein, BHEL reserves the right to reject such offers)

CHECK-LIST FOR VENDORS

SI No	DESCRIPTION
	<p>The Bidders shall submit their offer in TWO INNER ENVELOPES as indicated below which shall be sealed in one outer envelope.</p> <ul style="list-style-type: none">❖ Envelope I: This sealed envelope should contain all the copies of technical bid together with un-priced commercial bid. This envelope should be clearly marked "Part I - Technical and commercial bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder.❖ Envelope II: This sealed envelope should contain price details. This envelope should be clearly marked "Part II - Price bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder. This part should contain the schedule of price particulars and must be co-related to the technical details provided in Part I. <p>All the two envelopes (Part I&II) shall be put in one cover, duly sealed, super scribing as "Part I and Part II of Enquiry No., due date of opening" and the address and reference of the Bidder. The offer received without the above guidelines, will not be considered for opening.</p> <p>Offers will be accepted & received till 14.00 hrs on the due date. Therefore Vendors shall ensure to submit the offers before this time. Late offers will not be considered.</p> <p>The Tenders should be addressed to the following address to</p> <p style="text-align: center;">The Tender Opening Cell/MM Room No-26 , Building – 24 , Ground Floor Bharat Heavy Electrical Limited Tiruchirapalli- 620014 .</p> <p>In case personal delivery of the offer, it shall be dropped into the respective box after duly entering the data in the system kept in room no 26 .</p> <p>Vendors are requested to avoid submission of offers thro email / fax . In case of any unavoidable situation, offers shall be sent thro email to the following mail ID only "tender_cell@bheltry.co.in "</p> <p>As such Tenders are being opened by Common Tender opening Cell , offer covers should be sealed with tender's distinctive seal and super scribed with correct Tender NO, item of supply and due date of Opening</p> <p>Tenders should be free from CORRECTIONS AND ERASURES. Corrections if any, must be attested. All amounts shall be indicated both in words as well as in figures. In case of any difference between amount quoted in words and figures, amount quoted in words shall prevail.</p> <p>Offers should be in ENGLISH and accompanied by detailed technical literature, catalogue and detailed dimensional drawings in ENGLISH or otherwise, the offers will not be considered.</p>
2.	<p><u>OPENING OF TENDERS</u></p> <p>The Part I- Technical & commercial bid would be opened on the Tender opening date.</p> <p>Part-II, Price bid of technically suitable Bidders alone would be opened after complete evaluation of Part-I. BHEL reserves the right to go for a reverse auction (RA) instead of opening the submitted sealed bid, which will be decided after technical evaluation. Information and general terms and conditions covering RA are given in this Annexure- I (Point no.14).</p> <p>Date and time of Price Bid (Part-II) opening / RA conducting date shall be intimated to the technically and commercially acceptable bidders only. Clarifications if any required by BHEL for Technical evaluation would be sought from bidders before opening of Part II - Price Bid/ RA</p>

<p>No row shall be left blank. Please indicate NA, in case the item is “not applicable”</p>	<p>Vendor's confirmation</p>
<p>3. Validity: Validity of the offer should be 120 days from the date of tender opening.</p>	
<p>4. Release of Purchase Order:</p> <ul style="list-style-type: none"> ➤ Order shall be placed on single vendor on cumulative L1 basis for both items ➤ This tender is composite in nature and cannot be split-up to more than one vendor. Hence the entire work will be awarded to only lowest bidder of the tender. Work cannot be split-up and given to MSE vendor if they are L2 or above ranking in the tender. 	
<p>5. Terms of Payment:</p> <ul style="list-style-type: none"> ➤ 80% of the total cost shall be paid after supply, installation & successful commissioning of the system and submission of joint inspection report duly certified by User and BHEL. ➤ Balance 20% of total cost will be released after submission of one-month performance report certified by user agency and Performance Bank Guarantee from Nationalized Bank of the equivalent amount valid for 5 years in favour of BHEL, Tiruchirappalli <p style="color: red;">Any deviation in the above payment term will attract loading as mentioned below. “Base rate of SBI (as applicable on the date of bid opening. Techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidders.</p>	
<p>6. Performance Bank Guarantee (PBG): The Bidder, in the event of an order, should furnish a Bank Guarantee from an Indian Bank approved by BHEL, at no extra cost in a format prescribed by BHEL, along with the order, for an amount equivalent to 10% (Ten percent) of the value of the contract. The PBG shall be valid for a period of five Years from the date of commissioning of the equipment, with a claim period of two months.</p> <p>The Performance Bank Guarantee shall be obtained from any one of the following banks which is a member bank in our consortium of banks.</p> <p>The performance bank guarantee shall be returned after completion of 5 years CMC period from date of commissioning by order issuing authority</p> <p>LIST OF CONSORTIUM BANKS 1.DEUTSCHE BANK 2.HDFC BANK 3.ANZ GRINDLAYS BANK 4.CITI BANK 5.STANDARD CHARTERED BANK 6.BANK OF AMERICA 7.ABN AMRO BANK 8.IDBI LTD 9.ICICI BANK LTD 10.THE HONGKONG AND SHANGHAI BANKING .CORPORATION LTD.</p> <p>LIST OF NATIONALISED BANKS 1.ALLAHABAD BANK 2.ANDHRA BANK 3.BANK OF INDIA 4.BANK OF BARODA 5.BANK OF MAHARASTRA 6.BHARATH OVERSEAS BANK 7.CANARA BANK 8.CENTRAL BANK OF INDIA 9.CORPORATION BANK 10.DENA BANK 11.INDIAN BANK 12.INDIAN OVERSEAS BANK 13.OREINTAL BANK OF COMMERCE 14.PUNJAB NATIONAL BANK 15.PUNJAB & SIND BANK 16.STATE BANK OF INDIA 17.STATE BANK OF TRAVANCORE 18.STATE BANK OF MYSORE 19.STATE BANK OF BIKANER & JAIPUR 20.STATE BANK OF HYDERABAD 21.STATE BANK OF PATIALA 22.STATE BANK OF MAHARASTRA 23.STATE BANK OF SOURASTRA(SBI-13.09.08) 24.SYNDICATE BANK 25.UCO BANK 26.UNION BANK OF INDIA 27.UNITED BANK OF INDIA 28.VIJAYA BANK .</p>	
<p>7. Liquidated damages (LD):</p> <p>The delivery of the goods specified in the purchase order should be made within the time prescribed. LD for delay in ‘Supply’ and/or ‘E&C’ will be applicable to the delays attributed to vendor. LD will be considered separately for ‘Delivery’ and ‘E&C’. Where the seller supplies or dispatches the goods, beyond the delivery period Liquidated damages shall be applicable 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value.</p> <p>Material Despatched after Due date: Once the delivery due date is crossed, bills have to be clubbed till final despatch and forwarded for processing of payment as a single bunch. LD percentage will be calculated from Delivery due date to final despatch date.</p> <p>The rate of LD for delayed E&C shall be @ 0.5% per week of delay of total PO value (Supply + E&C) in E&C subject to a maximum of 10% of total PO value (Supply + E&C).</p> <p>For staggered delivery schedule, LD shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value.</p> <p>Any deviation from the above LD clause, loading will be applied to the extent to which it is not agreed by the bidder (at offered value).</p> <p>For the purpose of Imposing LD, the FOB delivery (B/L date) shall be considered</p>	

8.	<p>Risk Purchase: Alternatively the purchaser at his option will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the time stipulated as aforesaid or if the same were not available from the best and the nearest available substitute. The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases.</p>	
9.	<p>Delivery terms and evaluation process: Bidders should submit their offer on FOR Destination basis. The rates shall be inclusive of all types of taxes including VAT, octroi, loading, unloading, transportation, sales tax, general tax and all applicable taxes. At later stage no letter in this regard shall be entertained. However the bidder will be fully responsible for payment of all applicable taxes and duties. Evaluation of offers shall be on the basis of delivered cost (Net cash outflow to Destination)</p>	
10.	<p>Short shipment / Warranty replacement: In case of any short shipment in the main equipment / spares, Customs Duty levied on such supplies, shall be borne by the supplier. Any warranty replacement during the 2 years period shall be on FOR Destination/ BHEL Tiruchirappalli basis.</p>	
11.	<p>Inspection & Testing: All goods shall be subject to inspection by BHEL or its authorized representatives at supplier's works or at sight or at commissioning place at various locations in BHEL Tiruchirappalli as the case may be. The supplier will not charge for the facilities provided for inspection of goods. The final inspection and acceptance of the machine will be carried after installation & commissioning of equipment at various locations in BHEL Tiruchirappalli</p>	
12.	<p>Test certificates / Operating and Maintenance manuals: The Bidders shall clearly mention in their offer, that Test Certificates and Operating Maintenance Manuals, etc., as called for in the Technical Specification, in the required number of copies will be provided at no extra cost.</p>	
13.	<p>BHEL will consider the ranking after the loading is applied as referred above wherever deviations are observed.</p>	
14.	<p>Reverse Auction (RA): BHEL reserves the right to conduct on-line internet Reverse Auction ie. ONLINE BIDDING (THROUGH A SERVICE PROVIDER) for finalizing the Tender. This decision will be communicated to the technically qualified vendors after technical evaluation. Details / General terms / guidelines for conduct of RA are shown below Vendors are requested to confirm their acceptance for BHEL proceeding with RA route for finalization of the enquiry.</p> <ol style="list-style-type: none"> 1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate. 2. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet. 3. BHEL will inform the vendor in writing in case of reverse auction, the details of Service Provider to enable them to contact & get trained. 4. Business rules like event date, time, start price, bid decrement, extensions etc. also will be communicated through service provider for compliance. 5. Vendors have to fax the Compliance form in the prescribed format (provided by Service provider) before start of Reverse auction. Without this, the vendor will not be eligible to participate in the event. 6. BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at "Total Cost to BHEL" like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the vendor to enable them to fill-in the price and keep it ready for keying in during the Auction 7. Reverse auction will be conducted on scheduled date & time. 8. At the end of Reverse Auction event, the lowest bidder value will be known on the network. 9. The lowest bidder has to Fax/e-mail the duly signed Filled-in prescribed format as provided on case-to-case basis to BHEL through Service provider within 24 hours of Auction without fail. 10. Any variation between the on-line bid value and the signed document will be considered as sabotaging the tender process and will invite disqualification of vendor to conduct business with BHEL as per prevailing procedure. 11. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price Bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL's standard practice. 12. BHEL reserves the right to negotiate if need be, with the "L1" vendor of the Reverse Auction 13. <u>BHEL reserves the right not to consider offers from vendors not complying with the RA process for finalization of the enquiry.</u> 14. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines, shall be initiated by BHEL and the results of the RA scrapped/ aborted. In case BHEL decides to go for reverse auction, the H1 bidder(s) (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process. 	

15.	<ul style="list-style-type: none"> ➤ Point to point confirmation for the Technical Specification enclosed to be provided. If there are any deviations, the same should be clearly specified. Offers received without confirmation to our specifications will be liable for rejection. If needed additional sheets shall be used. ➤ Equipment offered shall be "New". Re-built / Re-conditioned / Used equipment's will not be accepted. Incomplete offers will not be considered for further processing Fixed price: ➤ BHEL reserves its right to reject a tender due to unsatisfactory past performance in the execution of a contract at any of BHEL projects / units. ➤ BHEL shall be at liberty to reject or accept any tender, part or in full, at their own discretion and any such action is not liable for any question or claim against BHEL. ➤ All Equipment's / Services including concerned personnel for carrying out the erection and commissioning of the equipment shall be arranged by the vendor. If any Services are availed from BHEL, it is only on chargeable basis unless otherwise specified. ➤ The vendor shall provide necessary drawings, Test Certificates and Operating Maintenance Manuals etc., as called for in the Technical Specification, in the required number of copies at no extra cost ➤ The Supplier shall arrange for securely protecting and packing the stores to avoid loss or damages during transit 																														
16.	<p><u>Special Provisions for Micro and Small Enterprises (MSE)</u> MSE suppliers can avail the intended benefits only if they submit along with offer, attested copies of either EM II (Entrepreneur Memorandum Part II) certificate having deemed validity (five years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed as per Annexure - III) applicable for the relevant financial year (latest audited), certifying quantum of investment in plant and machinery within the permissible limit as per the act for relevant status (Micro or small) where the deemed validity of EM II is over. Date to be reckoned for determining the deemed validity will be the last date of technical bid submission. Offer/s received without these documents will lead to consideration of their offer at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE supplier</p>																														
17.	<p>Company Details & Contact</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4" data-bbox="199 958 1295 1104">Full Address of the company for future correspondence. (Copy of address proof & PAN card shall be attached along with Part-I)</td> </tr> <tr> <td data-bbox="199 1104 746 1167">Company Email ID:</td> <td data-bbox="746 1104 1034 1167"></td> <td data-bbox="1034 1104 1295 1167">Phone No.:</td> <td data-bbox="1295 1104 1551 1167"></td> </tr> <tr> <td data-bbox="199 1167 746 1229">Fax No</td> <td data-bbox="746 1167 1034 1229"></td> <td data-bbox="1034 1167 1295 1229">PAN No</td> <td data-bbox="1295 1167 1551 1229"></td> </tr> <tr> <td data-bbox="199 1229 746 1292">CST /TIN No</td> <td data-bbox="746 1229 1034 1292"></td> <td data-bbox="1034 1229 1295 1292">Service Tax No.</td> <td data-bbox="1295 1229 1551 1292"></td> </tr> <tr> <td data-bbox="199 1292 746 1355">Name of the contact person:</td> <td data-bbox="746 1292 1034 1355"></td> <td data-bbox="1034 1292 1295 1355">Mobile No.:</td> <td data-bbox="1295 1292 1551 1355"></td> </tr> <tr> <td data-bbox="199 1355 746 1417">e-mail ID</td> <td data-bbox="746 1355 1034 1417"></td> <td data-bbox="1034 1355 1295 1417"></td> <td data-bbox="1295 1355 1551 1417"></td> </tr> <tr> <td data-bbox="199 1417 746 1451">Company Email ID:</td> <td data-bbox="746 1417 1034 1451"></td> <td data-bbox="1034 1417 1295 1451">Phone No.:</td> <td data-bbox="1295 1417 1551 1451"></td> </tr> </table>			Full Address of the company for future correspondence. (Copy of address proof & PAN card shall be attached along with Part-I)				Company Email ID:		Phone No.:		Fax No		PAN No		CST /TIN No		Service Tax No.		Name of the contact person:		Mobile No.:		e-mail ID				Company Email ID:		Phone No.:	
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18.	<p>Project completion period from the date of Letter of Intent / Purchase Order including installation & successful completion of system</p>																														
<p>For any queries / clarifications the bidders may contact us through our FAX NO. +91 431 2520719 or through e-mail <pgvictor@bheltry.co.in></p>																															

NOTE

- a) Your specific acceptance to our Payment terms, LD, Risk Purchase Clause & Submission of PBG for 10% of the order value are essential for consideration of your offer. Otherwise your offer is liable for rejection.
- b) **No row shall be left blank. Please indicate NA, in case the item is "not applicable"**

Declaration:-

I/We have gone through and understood the 'General guidelines & instructions to bidders for submitting offer' enclosed as a part of the Tender and confirm that our offer has been made in line with the same.

Name:

Signature with date:

(AFFIX OFFICIAL SEAL HERE)

Designation:

(PLEASE AFFIX YOUR SIGNATURE WITH SEAL ON EACH PAGE)

**FINANCIAL BID FOR VARIOUS RENEWABLE ENERGY SYSTEMS**

Financial Bid for making Contract for manufacture, Supply, installation, testing, commissioning with Comprehensive Maintenance Contract for a period of 5 years for stand alone solar photovoltaic street lighting system comprises a compact LED lamp, lead acid battery, PV module(s), control electronics, inter-connecting wires/cables, module mounting hardware, battery box, instruction and maintenance manual. The rate shall be inclusive of all taxes & duties, transportation & insurance charges etc., for 30+20 nos a stand-alone solar photovoltaic street lighting system as per annexure-I , at places of Trichy District & Pachamalai Hills in the State of TamilNadu

Sl. No.	System	Quantity	Total Cost Per No. (in Rs.)
01	30 NOS LED SOLAR STREET LIGHTING SYSTEM IN VILLAGES OF TRICHY DISTRICT All LED Solar Street Lighting System to be erected and commissioned in respective villages. BHEL PV modules should be used	30	
20	20 NOS LED SOLAR STREET LIGHTING SYSTEMS AT PACHAMALAI HILLS All LED Solar Street Lighting System to be erected and commissioned in respective villages. BHEL PV modules should be used	20	

Note :

- The cost is inclusive of all applicable taxes & transportation, etc., including necessary civil works.
- No extra charge for maintenance under 5 year warranty period.

Date :

Signature :

Name :

Designation :

Seal of Company :

Certificate by Chartered Accountant on letter head

This is to Certify that M/S
(hereinafter referred to as 'company') having its registered office at
..... is registered under MSMED Act 2006, (Entrepreneur
Memorandum No (Part-II) dtd:.....,
Category: (Micro/Small)). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as on
date..... as per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No.S.O.1722(E) dated October 5, 2006 :
Rs.....Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act, 2006:
Rs.....Lacs

The above investment of Rs.....Lacs is within permissible limit of
Rs.....Lacs forMicro / Small (~~Strike off which is not applicable~~)
Category under MSMED Act 2006.

Date:

(Signature)

Name -

Membership number -

Seal of Chartered Accountant