Annexure-I

OIL INDIA LIMITED
(A Government of India Enterprise)
P.O. Duliajan-786602, Assam, India
E-mail: material@oilindia.in
INVITATION FOR BID
LOCAL COMPETITIVE BID

OIL INDIA LIMITED invites Local Competitive Bid (LCB) through its e-procurement portal https://etender.srm.oilindia.in/irj/portal for the following items:

Tender No	BidClosing/ Opening Date	Item & Qty
SDI6894P16	11.06.2015	SOLAR POWERED AREA LIGHTING SYSTEMS

Tender fee (Non-refundable): Rs 1,000.00; Bid Closing/Opening Time: **(11 Hrs.) IST/(14 Hrs.) IST**; Period of sale of documents: **23.04.2015 to one week prior to bid closing date**. The complete bid documents and details for purchasing bid documents, participation in E-tenders are available on OIL's e-procurement portal https://etender.srm.oilindia.in/irj/portal as well as OIL's website www.oil-india.com.

NOTE: All addenda, Corrigenda, time extension etc. to the tenders will be hosted on above website and e- portal only and no separate notification shall be issued in the press. Bidders should regularly visit above website and e-portal to keep themselves updated.

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OIL INDIA LIMITED
(A Government of India Enterprises)
PO : Duliajan – 786602
Assam (India)

TELEPHONE NO: (91-374) 2808719
FAX NO: (91-374) 2800533
Email: tuhin_roy@oilindia.in ; erp_mm@oilindia.in

FORWARDING LETTER

Tender No. : **SDI6894P16 dated 13.04.15**

Tender Fee : **Rs 1,000.00**

Bid Security Amount : **Rs 36,000.00**

Bidding Type : **SINGLE STAGE COMPOSITE BID SYSTEM**

Bid Closing on : **As mentioned in the e-portal**

Bid Opening on : **-do-**

Performance Security : **Applicable**

Integrity Pact : **Not Applicable**

OIL invites Bids for **Solar Powered Area Lighting Systems** through its e-Procurement site under **SINGLE STAGE COMPOSITE BID SYSTEM**. The bidding documents and other terms and conditions are available at Booklet No. MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders. The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area - > Tender Documents

The general details of tender can be viewed by opening the RFx [Tender] under RFx and Auctions.. The details of items tendered can be found in the Item Data and details uploaded under Technical RFX.

The tender will be governed by:

a) "General Terms & Conditions" for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders.

b) Technical specifications and Quantity as per **Annexure – 1A**.

c) The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area - > Tender Documents.

d) In the event of receipt of only a single offer against the tender within B.C. date, OIL reserves the right to extend the B.C. date as deemed fit by the Company. During the extended period, the bidders who have already submitted the bids on or before the original B.C. date, shall not be permitted to revise their quotation.

e) All corrigenda, addenda, amendments, time extension, clarifications etc. To the tender will be hoisted on OIL's website (www.oil-india.com) and in the e-portal (https://etenders.srm.oilindia.in/irj/portal) only and no separate notification shall be issued

in the press. Prospective bidders are requested to regularly visit the website and e-portal to keep themselves updated.

f) Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this or any other contract may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited).

g) Bidder are advised to fill up the Technical bid check list (**Annexure EEE**) and Response sheet (**Annexure FFF**) given in MS excel format in Technical RFx -> External Area - > Tender Documents. The above filled up document to be uploaded in the Technical RFX Response.

Special Note:

1.0 General Qualification Criteria:

In addition to the general BRC/BEC, following criteria on Bidders' Experience and their financial capabilities shall be considered **(Documentary evidence to be provided along with the bid in Technical RFx -> External Area - > Tender Documents)** as on the Bid Closing Date:

Criteria	Complied / Not Complied. Documentary evidence submitted / not submitted
a) Bidder should have experience of successfully executing atleast one similar order of Solar Powered Area Lighting Systems valuing Rs 10.76 Lakhs during last 3 years.	
b) Annual financial turnover of the firm in any of the last 3 financial years or current financial year should not be less than Rs 35.89 Lakhs.	

Note: Documentary evidence in respect of the above should be submitted in the form of copies of relevant Purchase Orders along with copies of any of the documents in respect of satisfactory execution of each of those Purchase Orders, such as – (i) Satisfactory Inspection Report (OR) (ii) Satisfactory Supply Completion / Installation Report (OR) (iii) Consignee Receipted Delivery Challans (OR) (iv) Central Excise Gate Pass / Tax , Invoices issued under relevant rules of Central Excise / VAT (OR) (v) any other documentary evidence that can substantiate the satisfactory execution of each of the purchase orders cited above. For Annual financial turnover Enclose the audited Annual Reports or balance sheet certified by a chartered accountant.

2.0 Application showing full address/email address with Tender Fee (Non-refundable) of Rs. 1,000.00 in favour of M/s Oil India Limited and payable at Duliajan is to be sent to Head-Materials, Oil India Limited, P.O. Duliajan, Assam-786602. Application shall be accepted only upto one week prior to Bid Closing date (or as amended in e-portal). The envelope containing the application for participation should clearly indicate "REQUEST FOR ISSUE OF USER ID AND PASSWORD FOR E TENDER NO …" for easy identification and timely issue of user ID and password. On receipt of requisite tender fee, USER_ID and initial PASSWORD will be communicated to the bidder (through e-mail) and will be allowed to participate in the tender through OIL's e- Procurement portal. No physical tender documents will be provided. Details

of NIT can be viewed using "Guest Login" provided in the e-Procurement portal. The link to e-Procurement portal has been also provided through OIL's web site www.oil-india.com.

NOTE:

a) Tender Fee may also be paid online upto one week prior to the bid closing date (or as amended in e-portal).

b) PSUs and SSI units are provided tender documents Free of Cost (as per govt guidelines), however they have to apply to OIL's designated office to issue the tender documents before the last date of sale of tender document mentioned in the tender.

3.0 Please note that all tender forms and supporting documents are to be submitted through OIL's e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with **Tender no.** and **Due date** to **Head Materials, Materials Department, Oil India Limited, Duliajan - 786602, Assam** on or before the Bid Closing Date and Time mentioned in the Tender.

a) Original Bid Security
b) Detailed Catalogue (if any)
c) Any other document required to be submitted in original as per tender requirement

All documents submitted in physical form should be signed on all pages by the authorised signatory of the bidder and to be submitted in triplicate.

4.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the NIT or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in rejection of its offer without seeking any clarifications.

5.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that above documents which are to be submitted in a sealed envelope are also submitted at the above mentioned address before the bid closing date and time failing which the offer shall be rejected.

6.0 Bid must be submitted electronically only through OIL's e-procurement portal. Bid submitted in any other form will be rejected.

7.0 The tender shall be governed by the Bid Rejection & Bid Evaluation Criteria given in enclosed **Annexure-CCC**. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (as per **Annexure-CCC**) contradict the Clauses of the tender and / or "General Terms & Conditions" as per Booklet No. MM/LOCAL/E-01/2005 for E-procurement (LCB Tenders) elsewhere, those in the BEC / BRC shall prevail.

8.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.

9.0 Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.

NOTE:

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.

Yours Faithfully

Sd-

(T. ROY)
DEPUTY MANAGER MATERIALS (IP)
FOR HEAD-MATERIALS

Annexure - CCC

Tender No & Date: SDI6894P16 dated 13.04.15

BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)

The following BRC/BEC will govern the evaluation of the bids received against this tender. Bids that do not comply with stipulated BRC/BEC in full will be treated as non responsive and such bids shall prima-facie be rejected. Bid evaluation will be done only for those bids that pass through the "Bid Rejection Criteria" as stipulated in this document.

Other terms and conditions of the enquiry shall be as per General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BRC / BEC) contradict the Clauses of the tender or MM/LOCAL/E-01/2005 elsewhere, those in the BRC / BEC shall prevail.

Criteria	**Complied / Not Complied. (Remarks if any)**
1.0 BID REJECTION CRITERIA (BRC): **A) TECHNICAL:** 1. The bids must conform to the specifications, terms, and conditions given in the NIT. Bids shall be rejected in case the items offered do not conform to the required minimum / maximum parameters stipulated in the technical specifications and to the respective international /national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements shall have to be particularly met by the bidder(s), without which the offer will be considered as non - responsive and rejected. 2. Bidder's Qualification : a) Bidder should be an Original Equipment Manufacturer (OEM) of SPV Based Solar Street / Home Lighting Systems. OR b) Bidder should be an authorized dealer of OEM for SPV Based Solar Street / Home Lighting Systems. OR c) Bidder should be an OEM approved assembler of SPV Based Solar Street / Home Lighting Systems. Note: In all the above scenarios under b) & c) documentary evidence / authorization letter from OEM supporting the claim must be furnished along with the offer. Failing which the offer shall be rejected. **B) COMMERCIAL:** **i).** Validity of the bid shall be minimum 120 days from the Bid Closing Date.	

ii). Bid security:

The bid must be accompanied by Bid Security of **Rs 36,000.00** in OIL's prescribed format as Bank Guarantee or a Bank Draft/Cashier cheque in favour of OIL. The Bid Security may be submitted manually in sealed envelope superscribed with Tender no. and Bid Closing date to Head Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before the Bid Closing Date and Time mentioned in the Tender. **The Bank Guarantee towards Bid Security shall be valid for 10 months from Bid closing date. (i.e. upto 11.04.2016).**

Bid Security may also be paid online on or before the Bid Closing Date and Time mentioned in the Tender.

If bid security in ORIGINAL of above mentioned Amount and Validity is not received or paid online within bid closing date and time, the bid submitted through electronic form will be rejected without any further consideration.

For exemption for submission of Bid Security, please refer Clause No. 8.8 of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders.

The format of Bank Guarantee towards Bid Security (Annexure – VII) has been amended to Annexure – VII (Revised) and bidders should submit Bank Guarantee towards Bid Security as per Annexure – VII (Revised) only.

In case of extension of Bid Closing date against the tender where a bidder has already submitted his bid with requisite bid security validity within the original B.C. Date, such bidders will extend validity of bid security covering the extended period of the bid closing date.

iii). Performance Security:

a) The successful Bidder will have to provide 1st Performance Security @ 10% of total cost of Equipment + Installation & Commissioning. The Performance Security must be valid for 5 years from the date of successful commissioning of the equipment.

b) In case OIL enters into separate comprehensive Annual Maintenance Contract (AMC) with the supplier for a period of 5 years. Then the successful Bidder will have to provide 2nd Performance Security @ 10% of total cost of AMC for 5 years prior to expiry of the 1st Performance Security. The Performance Security must be valid for 5 years.

The validity requirement of Performance Security is assuming despatch within stipulated delivery period and confirmation to all terms and conditions of order. In case of any delay in despatch or non-confirmation to all terms and conditions of order, validity of the

Performance Security is to be extended suitably as advised by OIL.

For exemption for submission of Performance Security, please refer Clause No. 9.12 of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders.

iv). *The Bank Guarantee should be allowed to be encashed at all branches within India*.

v). The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.

vi). Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.

vii). All the Bids must be Digitally Signed using "Class 3" digital certificate with Organisation's name *(e-commerce application)* as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than "Class 3 with Organisation's Name" digital certificate, will be rejected.

viii). Price should be maintained in the "online price schedule" only. The price submitted other than the "online price schedule" shall not be considered.

ix). A bid shall be rejected straightway if it does not conform to any one of the following clauses:
(a) Validity of bid shorter than the validity indicated in the Tender.
(b) Original Bid Security not received within the stipulated date & time mentioned in the Tender.
(c) Bid Security with (i) Validity shorter than the validity indicated in Tender and/or (ii) Bid Security amount lesser than the amount indicated in the Tender.
(d) Average Annual Turnover of a bidder lower than the average Annual turnover mentioned in the Tender.

2.0 BID EVALUATION CRITERIA (BEC)

The bids conforming to the terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria as well as verification of original of any or all documents/ documentary evidences pertaining to BRC, will be considered for further evaluation as per the Bid Evaluation Criteria given below.

A) TECHNICAL:

i) Cost of Materials including Installation & Commissioning and Annual Maintenance Contract charges shall be considered together for evaluation of the offers.

B) COMMERCIAL: i). To evaluate the inter-se-ranking of the offers, Assam Entry Tax on purchase value will be loaded as per prevailing Govt. of Assam guidelines as applicable on bid closing date. Bidders may check this with the appropriate authority while submitting their offer. ii). To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.	

NOTE:

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.

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ANNEXURE-IA

TECHNICAL SPECIFICATIONS WITH QUANTITY

Tender No & Date: SDI6894P16 dated 13.04.15

A. BROAD DESCRIPTION:

Item No 1 : Solar Powered Area Lighting System of for OIL's Water supply Pontoons at Tipling , Duliajan consisting of :White-LED (W-LED) Based Solar Street Lighting Systems (Dusk to dawn auto cut operation) – Quantity: 20 Nos.

Item No 2 : Solar Powered Area Lighting Systems of for OIL's 4MGD Water Treatment Plant , Duliajan consisting of the followings:
a) White-LED (W-LED) Based Solar Street Lighting Systems (Dusk to dawn auto cut operation) – Quantity: 30 Nos.
WHITE-LED (W-LED) Based Solar Home (Indoor) Lighting Systems – Quantity: 33 Nos.

B. NOTE TO BIDDERS:

a) The Bidders shall have to furnish their bid by filling up the "Bidder's Offer" column in the offer sheet. No other form of furnishing bids shall be accepted.
b) The bidders may use separate sheet if required in addition to filling up the "Bidder's Offer" column in the offer sheet. In such cases, bidder should clearly indicate the Attachment by providing Attachment / Annexure number in the relevant "Bidder's Offer" column in the offer sheet.

C. SYSTEM DATA:

The following data are to be considered for system design of the White-LED (W-LED) Based Solar Street Lighting Systems and WHITE-LED (W-LED) Based Solar Home (Indoor) Lighting Systems as detailed in Sl. No. D & E below.
Geographical Location of Duliajan, Assam, India: 27.3667° N latitude & 95.3167°E longitude
Annual Avg. Solar irradiation in KWH/m^2/ Day: 3.92
Days of autonomy to be considered : 03 days
Conforming Standard: Latest MNRE Publications (minimal technical requirements / standards for SPV systems and Ministry of New and Renewable Energy Jawaharlal Nehru National solar Mission: Technical specifications for white LED (W-LED) based solar photovoltaic lighting systems.

D. TECHNICAL SPECIFICATIONS :

Item No 1 : Supply and Installation of Solar Powered Area Lighting System of for OIL's Water supply Pontoons at Tipling , Duliajan consisting of :White-LED (W-LED) Based Solar Street Lighting Systems (Dusk to dawn auto cut operation) – Quantity: 20 Nos.

	OIL's Specification	Bidder's Offer
a) General Description	A stand alone solar photovoltaic street lighting system (SLS) is an outdoor lighting unit used for illuminating a street or an open area. The Solar Street Lighting System consists of solar photovoltaic (SPV) module, a luminaire, storage battery, control electronics, inter-connecting wires/cables, module mounting pole including hardware and battery box. The luminaire is based on White Light Emitting Diode (W-LED), a solid state device which emits light when electric current passes through it. The luminaire is mounted on the pole at a suitable angle to maximize illumination on the ground. The PV module is placed at the top of the pole at an angle facing south so that it receives solar radiation throughout the day, without any shadow falling on it. A battery is placed in a box attached to the pole. Electricity generated by the PV module charges the battery during the day time which powers the luminaire from dusk to dawn. The system lights at dusk and switches off at dawn automatically.	
b) Broad Performance Specifications	1. PV Module: Mono / Polycrystalline	
	2. Battery : Lead acid Tubular Flooded or Tubular GEL / VRLA -The battery rating and type to be specified by the bidder wrt the design of the whole product.	
	3. Light Source: White Light Emitting Diode (W-LED), 12 W Minimum.	
	4. Light Out put: Minimum 15 Lux when measured at the periphery of 4 meter diameter from a height of 4 meter. The illumination should be uniform without dark bands or abrupt variations, and soothing to the eye. Higher light output will be preferred.	
	5. Mounting of light: Minimum 4 metre pole mounted	
	6. Electronics Efficiency: Minimum 85% total	
	7. Duty Cycle: Dusk to dawn	
	8. Autonomy: 03 (three) days or Minimum 42 operating hours per permissible discharge.	
c) PV Module	1. The PV module should have crystalline silicon solar cells and must have a certificate of testing conforming to IEC 61215 Edition II / BIS 14286 from an NABL or IECQ accredited Laboratory.	
	2. The modules must conform to IEC 61730 Part 1- requirements for construction & Part 2 - requirements for testing, for safety qualification or Equivalent IS Standard.	
	3. The power output of the module(s) under STC should be a minimum of 40 Wp at a load voltage of 16.4 ± 0.2 V.	

	4. The open circuit voltage of the PV modules under STC should be at least 21.0 Volts.	
	5. The module efficiency should not be less than 12 %.	
	6. The terminal box on the module should have a provision for opening it for replacing the cable, if required.	
	7. Each PV module must use a RF identification tag (RFID), which must contain the following information: (i) Name of the manufacturer of PV Module (ii) Name of the Manufacturer of Solar cells (iii) Month and year of the manufacture (separately for solar cells and module) (iv) Country of origin (separately for solar cells and module) (v) I-V curve for the module (vi) Peak Wattage, Im, Vm and FF for the module (vii) Unique Serial No and Model No of the module (viii) Date and year of obtaining IEC PV module qualification certificate (ix) Name of the test lab issuing IEC certificate (x) Other relevant information on traceability of solar cells and module as per ISO 9000 series. The RFID shall be mandatorily placed inside the module laminate	
	8. There should be a Name Plate fixed inside the module which will give: a. Name of the Manufacturer or Distinctive Logo. b. Model Number c. Serial Number d. Year of manufacture	
	9. A distinctive serial number starting with NSM will be engraved on the frame of the module or screen printed on the tedlar sheet of the module.	
d) Battery	1. Type: Lead Acid, tubular positive plate flooded electrolyte or Gel / VRLA Type. (The type of the offered battery should clearly be mentioned in the offer)	
	2. Rating: The rating of offered battery(s) wrt the Selected PV Module(s), duty cycle and days of autonomy should be provided in the offer. **The detailed calculation for the selection of the Battery(s) rating wrt the designed PV Module, Light Source output, Duty cycle and Days of Autonomy should be forwarded along with the offer for evaluation at our end.** (NB: The battery will have a minimum rating of 12V, 60 Ah at C/10 discharge rate.)	
	3. 75 % of the rated capacity of the battery should be between fully charged and load cut off conditions.	
	4. Battery should conform to the latest BIS/ International standards.	
	5. The system should have protection against battery overcharge and deep discharge conditions. **The details of the charge controller to be provided along with the offer for review at our end.**	
	6. A vented, acid proof and corrosion resistant metallic box with a locking arrangement suitable for outdoor use	

	should be provided for housing the battery (s).	
e) Light Source	1. Power: 12 W minimum.	
	2. Type: The light source will be a white LED type.	
	3. Light Out put: Minimum 15 Lux when measured at the periphery of 04 meter diameter from a height of 04 meter. The illumination should be uniform without dark bands or abrupt variations, and soothing to the eye. Higher light output will be preferred.	
	4. Mounting: The height of the pole where the Light shall be mounted, should be 4 metres above the ground level, after grouting and final installation.	
	5. The colour temperature of white LED used in the system should be in the range of 5500 K-6500 K.	
	6. W-LEDs should not emit ultraviolet light.	
	7. The light output from the white LED light source should be constant throughout the duty cycle.	
	8. The lamps should be housed in a weatherproof assembly suitable for outdoor use.	
	9. The temperature of heat sink should not increase more than 20^{o}C above ambient temperature during the dusk to dawn operation.	
f) Electronics	1. The total electronic efficiency should be at least 85%.	
	2. Electronics should operate at 12 V and should have temperature compensation for proper charging of the battery throughout the year.	
	3. No Load current consumption should be less than 20 mA.	
	4. The PV module itself should be used to sense the ambient light level for switching ON and OFF the lamp.	
	5. The PCB containing the electronics should be capable of solder free installation and replacement.	
	6. Necessary lengths of wires/cables, switches suitable for DC use and fuses should be provided.	
	7. The bidder should provide along with the offer the following data:	
	(i) Type of offered charge controller	
	(ii) Make and Model of the offered charge controller	
	(iii) **The detailed calculation for the selection of the offered charge controller wrt the designed PV Module, Light Source output, Battery(s) rating, Duty cycle and Days of Autonomy should be forwarded along with the offer for evaluation at our end.**	
	8. All the electrical and electronics item should be suitable housed in weatherproof housings capable of withstanding severe weather conditions.	
g) Electronic Protections	1. Adequate protection is to be incorporated under “No Load” conditions e.g. when the lamp is removed and the system is switched ON.	
	2. The system should have protection against battery overcharge and deep discharge conditions.	
	3. Fuse should be provided to protect against short circuit conditions.	
	4. Protection for reverse flow of current through the PV module(s) should be provided.	
	5. Electronics should have temperature compensation for proper charging of the battery throughout the year.	

	6. Adequate protection should be provided against battery reverse polarity.	
	7. Load reconnect should be provided at 80% of the battery capacity status.	
h) Mechanical Components	1. A corrosion resistant metallic frame structure should be fixed on the pole to hold the SPV module.	
	2. The frame structure should have provision to adjust its angle of inclination to the horizontal between 0 and 45, so that the module can be oriented at the specified tilt angle.	
	3. The pole should be made of Galvanised Iron (GI) pipe.	
	4. The height of the pole should be 4 metres above the ground level, after grouting and final installation.	
	5. The pole should have the provision to hold the luminaire.	
	6. The lamp housing should be water proof and should be painted with a corrosion resistant paint.	
	7. A vented, acid proof and corrosion resistant metallic box with a locking arrangement for outdoor use should be provided for housing the battery.	
i) Indicators	1. The system should have two indicators, green and red.	
	2. The green indicator should indicate the charging under progress and should glow only when the charging is taking place. It should stop glowing when the battery is fully charged.	
	3. Red indicator should indicate the battery “Load Cut Off” condition.	
j) Operation and Maintenance Manual	An Operation, Instruction and Maintenance Manual, in English and the local language, should be provided with the Solar Street Lighting System. The following minimum details must be provided in the Manual: ➢ Basic principles of Photovoltaics. ➢ A small write-up (with a block diagram) on Solar Street Lighting System - its components, PV module, battery, electronics and luminaire and expected performance. ➢ Type, Model number, Voltage & capacity of the battery, used in the system. ➢ The make, model number, country of origin and technical characteristics (including IESNA LM-80 report) of W-LEDs used in the lighting system. ➢ About Charging and Significance of indicators. ➢ Clear instructions about erection of pole and mounting of PV module (s) and lamp housing assembly on the pole. ➢ Clear instructions on regular maintenance and trouble shooting of the Solar Street Lighting System. ➢ DO's and DONT's. Name and address of the contact person for repair and maintenance, in case of non-functionality of the solar street lighting system.	

Item No 2 : Supply and Installation of Solar Powered Area Lighting Systems of OIL's 4MGD Water Treatment Plant , Duliajan consisting of the following:
i) White-LED (W-LED) Based Solar Street Lighting Systems (Dusk to dawn auto cut operation) – Quantity: 30 Nos.

ii) WHITE-LED (W-LED) Based Solar Home (Indoor) Lighting Systems – Quantity: 33 Nos.

i) SPECIFICATIONS FOR WHITE-LED (W-LED) BASED SOLAR STREET LIGHTING SYSTEMS – Quantity: 30 nos		
	OIL's Specification	**Bidder's Offer**
a) General Description	A stand alone solar photovoltaic street lighting system (SLS) is an outdoor lighting unit used for illuminating a street or an open area. The Solar Street Lighting System consists of solar photovoltaic (SPV) module, a luminaire, storage battery, control electronics, inter-connecting wires/cables, module mounting pole including hardware and battery box. The luminaire is based on White Light Emitting Diode (W-LED), a solid state device which emits light when electric current passes through it. The luminaire is mounted on the pole at a suitable angle to maximize illumination on the ground. The PV module is placed at the top of the pole at an angle facing south so that it receives solar radiation throughout the day, without any shadow falling on it. A battery is placed in a box attached to the pole. Electricity generated by the PV module charges the battery during the day time which powers the luminaire from dusk to dawn. The system lights at dusk and switches off at dawn automatically.	
b) Broad Performance Specifications	1. PV Module: Mono / Polycrystalline	
	2. Battery : Lead acid Tubular Flooded or Tubular GEL / VRLA -The battery rating and type to be specified by the bidder wrt the design of the whole product.	
	3. Light Source: White Light Emitting Diode (W-LED), 12 W Minimum.	
	4. Light Output: Minimum 15 Lux when measured at the periphery of 4 meter diameter from a height of 4 meter. The illumination should be uniform without dark bands or abrupt variations, and soothing to the eye. Higher light output will be preferred.	
	5. Mounting of light: Minimum 4 metre pole mounted	
	6. Electronics Efficiency: Minimum 85% total	
	7. Duty Cycle: Dusk to dawn	
	8. Autonomy: 03 (three) days or Minimum 42 operating hours per permissible discharge.	
c) PV Module	1. The PV module should have crystalline silicon solar cells and must have a certificate of testing conforming to IEC 61215 Edition II / BIS 14286 from an NABL or IECQ accredited Laboratory.	
	2. The modules must conform to IEC 61730 Part 1- requirements for construction & Part 2 - requirements for testing, for safety qualification or Equivalent IS Standard.	

	3. The power output of the module(s) under STC should be a minimum of 40 Wp at a load voltage of 16.4 ± 0.2 V.	
	4. The open circuit voltage of the PV modules under STC should be at least 21.0 Volts.	
	5. The module efficiency should not be less than 12 %.	
	6. The terminal box on the module should have a provision for opening it for replacing the cable, if required.	
	7. Each PV module must use a RF identification tag (RFID), which must contain the following information: (i) Name of the manufacturer of PV Module (ii) Name of the Manufacturer of Solar cells (iii) Month and year of the manufacture (separately for solar cells and module) (iv) Country of origin (separately for solar cells and module) (v) I-V curve for the module (vi) Peak Wattage, Im, Vm and FF for the module (vii) Unique Serial No and Model No of the module (viii) Date and year of obtaining IEC PV module qualification certificate (ix) Name of the test lab issuing IEC certificate (x) Other relevant information on traceability of solar cells and module as per ISO 9000 series. The RFID shall be mandatorily placed inside the module laminate	
	8. There should be a Name Plate fixed inside the module which will give: a. Name of the Manufacturer or Distinctive Logo. b. Model Number c. Serial Number d. Year of manufacture	
	9. A distinctive serial number starting with NSM will be engraved on the frame of the module or screen printed on the tedlar sheet of the module.	
d) Battery	1. Type: Lead Acid, tubular positive plate flooded electrolyte or Gel / VRLA Type. (The type of the offered battery should clearly be mentioned in the offer)	
	2. Rating: The rating of offered battery(s) wrt the Selected PV Module(s), duty cycle and days of autonomy should be provided in the offer. **The detailed calculation for the selection of the Battery(s) rating wrt the designed PV Module, Light Source output, Duty cycle and Days of Autonomy should be forwarded along with the offer for evaluation at our end.** (NB: The battery will have a minimum rating of 12V, 60 Ah at C/10 discharge rate.)	
	3. 75 % of the rated capacity of the battery should be between fully charged and load cut off conditions.	
	4. Battery should conform to the latest BIS/ International standards.	
	5. The system should have protection against battery overcharge and deep discharge conditions. **The details of the charge controller to be provided along with the offer for review at our end.**	
	6. A vented, acid proof and corrosion resistant metallic box with a locking arrangement suitable for outdoor use	

	should be provided for housing the battery (s).	
e) Light Source	1. Power: 12 W minimum.	
	2. Type: The light source will be a white LED type.	
	3. Light Out put: Minimum 15 Lux when measured at the periphery of 04 meter diameter from a height of 04 meter. The illumination should be uniform without dark bands or abrupt variations, and soothing to the eye. Higher light output will be preferred.	
	4. Mounting: The height of the pole where the Light shall be mounted, should be 4 metres above the ground level, after grouting and final installation.	
	5. The colour temperature of white LED used in the system should be in the range of 5500 K-6500 K.	
	6. W-LEDs should not emit ultraviolet light.	
	7. The light output from the white LED light source should be constant throughout the duty cycle.	
	8. The lamps should be housed in a weatherproof assembly suitable for outdoor use.	
	9. The temperature of heat sink should not increase more than 20^{o}C above ambient temperature during the dusk to dawn operation.	
f) Electronics	1. The total electronic efficiency should be at least 85%.	
	2. Electronics should operate at 12 V and should have temperature compensation for proper charging of the battery throughout the year.	
	3. No Load current consumption should be less than 20 mA.	
	4. The PV module itself should be used to sense the ambient light level for switching ON and OFF the lamp.	
	5. The PCB containing the electronics should be capable of solder free installation and replacement.	
	6. Necessary lengths of wires/cables, switches suitable for DC use and fuses should be provided.	
	7. The bidder should provide along with the offer the following data:	
	(i) Type of offered charge controller	
	(ii) Make and Model of the offered charge controller	
	(iii) **The detailed calculation for the selection of the offered charge controller wrt the designed PV Module, Light Source output, Battery(s) rating, Duty cycle and Days of Autonomy should be forwarded along with the offer for evaluation at our end.**	
	8. All the electrical and electronics item should be suitable housed in weatherproof housings capable of withstanding severe weather conditions.	
g) Electronic Protections	1. Adequate protection is to be incorporated under “No Load” conditions e.g. when the lamp is removed and the system is switched ON.	
	2. The system should have protection against battery overcharge and deep discharge conditions.	
	3. Fuse should be provided to protect against short circuit conditions.	
	4. Protection for reverse flow of current through the PV module(s) should be provided.	
	5. Electronics should have temperature compensation for proper charging of the battery throughout the year.	

	6. Adequate protection should be provided against battery reverse polarity.	
	7. Load reconnect should be provided at 80% of the battery capacity status.	
h) Mechanical Components	1. A corrosion resistant metallic frame structure should be fixed on the pole to hold the SPV module.	
	2. The frame structure should have provision to adjust its angle of inclination to the horizontal between 0 and 45, so that the module can be oriented at the specified tilt angle.	
	3. The pole should be made of Galvanised Iron (GI) pipe.	
	4. The height of the pole should be 4 metres above the ground level, after grouting and final installation.	
	5. The pole should have the provision to hold the luminaire.	
	6. The lamp housing should be water proof and should be painted with a corrosion resistant paint.	
	7. A vented, acid proof and corrosion resistant metallic box with a locking arrangement for outdoor use should be provided for housing the battery.	
i) Indicators	1. The system should have two indicators, green and red.	
	2. The green indicator should indicate the charging under progress and should glow only when the charging is taking place. It should stop glowing when the battery is fully charged.	
	3. Red indicator should indicate the battery “Load Cut Off” condition.	
j) Operation and Maintenance Manual	An Operation, Instruction and Maintenance Manual, in English and the local language, should be provided with the Solar Street Lighting System. The following minimum details must be provided in the Manual: ➢ Basic principles of Photovoltaics. ➢ A small write-up (with a block diagram) on Solar Street Lighting System - its components, PV module, battery, electronics and luminaire and expected performance. ➢ Type, Model number, Voltage & capacity of the battery, used in the system. ➢ The make, model number, country of origin and technical characteristics (including IESNA LM-80 report) of W-LEDs used in the lighting system. ➢ About Charging and Significance of indicators. ➢ Clear instructions about erection of pole and mounting of PV module (s) and lamp housing assembly on the pole. ➢ Clear instructions on regular maintenance and trouble shooting of the Solar Street Lighting System. ➢ DO's and DONT's. Name and address of the contact person for repair and maintenance, in case of non-functionality of the solar street lighting system.	

ii) SPECIFICATIONS FOR WHITE-LED (W-LED) BASED SOLAR HOME (INDOOR) LIGHTING SYSTEMS – Quantity: 33 nos.		
a) Broad Performance Specifications	1. PV Module: Mono / Polycrystalline - The peak power output to be specified by the bidder wrt the design of the whole product.	
	2. Battery : Lead acid Tubular Flooded or Tubular GEL / VRLA -The battery rating and type to be specified by the bidder wrt the design of the whole product.	
	3. Light Source: White Light Emitting Diode (W-LED)	
	4. Light Out put: Minimum 15 Lux when measured at the periphery of 2.5 meter diameter from a height of 2.5 meter. At any point within area of 2.5mtr diameter periphery the light level should not be more than three limes of the periphery value. The illumination should be uniform without Dark Bands or abrupt variations and soothing to the eyes. Higher output would be preferred.	
	5. Mounting: Wall or ceiling *(The positions and mounting fixtures to be approved by OIL's representative)*	
	6. Electronics Efficiency: Minimum 85% total	
	7. Average duty cycle: Minimum 12 Hours per day.	
	8. Autonomy: 03 (three) days or Minimum 36 operating hours per permissible discharge.	
b) PV Modules	1. The PV modules up to 12 Wp capacity should have crystalline silicon solar cells, and should have humidity, freeze and damp heat tests certificate conforming to IEC 61215 Edition II / BIS 14286 from an NABL or IECQ accredited Laboratory.	
	2. The PV modules more than 12 Wp capacity should be made up of crystalline silicon solar cells and must have a certificate of testing conforming to IEC 61215 Edition II / BIS 14286 from an NABL or IECQ accredited Laboratory.	
	3. Bidder to specify the followings: (i) Power output (Wp) of the module(s) under STC. **The detailed calculation for the selection of the Power output (Wp) rating of the selected PV Module wrt the designed Light Source output, Battery Rating, Duty cycle and Days of Autonomy should be forwarded along with the offer for evaluation at our end.** (NB: The power output of the module(s) under STC should be a minimum of 12 Wp) (ii) The open circuit voltage of the PV module(s) under STC.	
	4. The module efficiency should not be less than 10%.	
	5. The terminal box on the module should have a provision for opening, for replacing the cable, if required.	
	6. Each PV module must use a RF identification tag (RFID), which must contain the following information: (i) Name of the manufacturer of PV Module (ii) Name of the Manufacturer of Solar cells (iii) Month and year of the manufacture (separately for solar cells and module) (iv) Country of origin (separately for solar cells and module)	

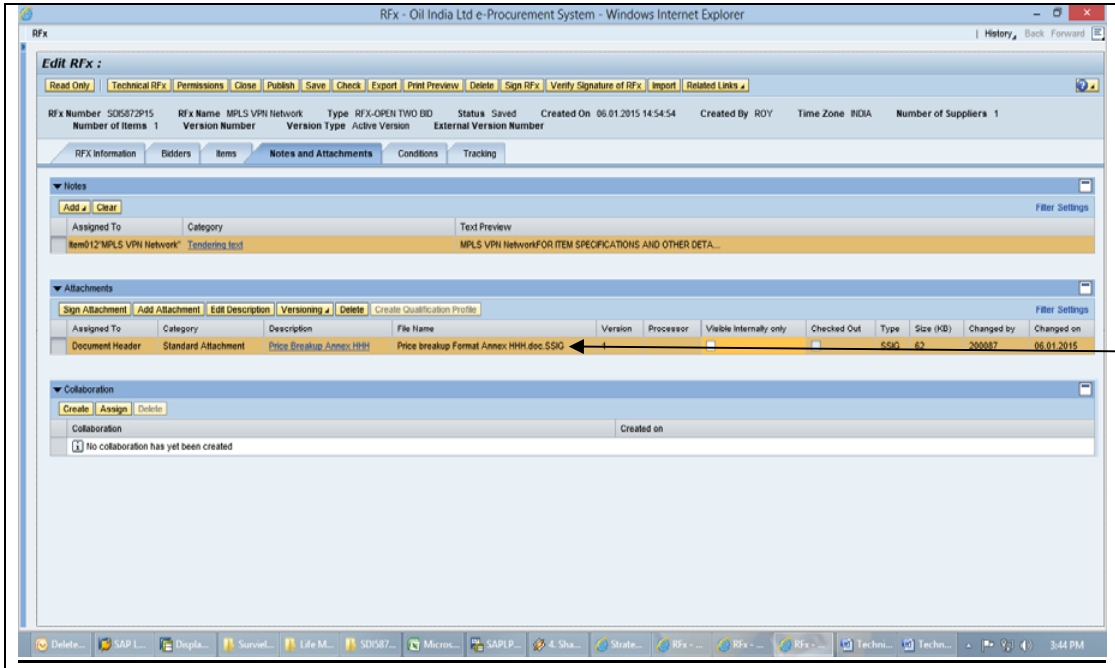
	(v) I-V curve for the module (vi) Peak Wattage, Im, Vm and FF for the module (vii) Unique Serial No and Model No of the module (viii) Date and year of obtaining IEC PV module qualification certificate (ix) Name of the test lab issuing IEC certificate (x) Other relevant information on traceability of solar cells and module as per ISO 9000 series. The RFID shall be mandatorily placed inside the module laminate	
	7. There should be a Name Plate fixed inside the module which will give: a. Name of the Manufacturer or Distinctive Logo. b. Model Number c. Serial Number d. Year of manufacture	
	8. A distinctive serial number starting with NSM will be engraved on the frame of the module or screen printed on the tedlar sheet of the module.	
c) Battery	1. Type: Lead Acid, tubular positive plate flooded electrolyte or Gel / VRLA Type. (The type of the offered battery should clearly be mentioned in the offer)	
	2. Rating: The rating of offered battery(s) wrt the Selected PV Module(s), duty cycle and days of autonomy should be provided in the offer. **The detailed calculation for the selection of the Battery(s) rating wrt the designed PV Module, Light Source output, Duty cycle and Days of Autonomy should be forwarded along with the offer for evaluation at our end.** (NB: battery should have a minimum rating of 12V, 20 Ah at C/20 rate of discharge)	
	3. 75 % of the rated capacity of the battery should be between fully charged and load cut off conditions.	
	4. Battery should conform to the latest BIS/ International standards.	
	5. The system should have protection against battery overcharge and deep discharge conditions. **The details of the charge controller to be provided along with the offer for review at our end.**	
	6. A vented, acid proof and corrosion resistant / wooden box with a locking arrangement should be provided for housing the battery (s).	
d) Light Source	1. The light source will be of white LED type.	
	2. The colour temperature of W-LEDs used in the system should be in the range of $5500^{o}K–6500^{o}K$.	
	3. LEDs should not emit ultraviolet light.	
	4. The light output from the W-LED light source should be constant throughout the duty cycle.	
	5. The lamps should be housed in an assembly suitable for indoor use, with proper arrangement for ceiling or wall mounting. *(The positions and mounting fixtures to be approved by OIL's competent representative)*	
e) Electron	1. The total electronic efficiency should be at least 85 %.	

ics	2. Electronics should have temperature compensation for proper charging of the battery throughout the year. The Bidder to specify The idle current of system.	
	3. The voltage drop from module terminals to the battery terminals should not exceed 0.6 volts including the drop across the diode and the cable when measured at maximum charging current.	
	4. The bidder should provide along with the offer the following data:	
	(i) Type of offered charge controller	
	(ii) Make and Model of the offered charge controller	
	(iii) **The detailed calculation for the selection of the offered charge controller wrt the designed PV Module, Light Source output, Battery(s) rating, Duty cycle and Days of Autonomy should be forwarded along with the offer for evaluation at our end.**	
	5. The PCB containing the electronics should be capable of solder free installation and replacement.	
	6. Necessary lengths of wires/cables, switches suitable for DC use and fuses should be provided.	
	7. There should be suitable arrangement for switching "ON/ OFF" the individual lights.	
f) Electronic Protections	1. Adequate protection is to be incorporated under "No Load" conditions e.g. when the lamp is removed and the system is switched ON.	
	2. The system should have protection against battery overcharge and deep discharge conditions	
	3. Load reconnect should be provided at 80% of the battery capacity status.	
	4. Adequate protection should be provided against battery reverse polarity.	
	5. Fuses should be provided to protect against short circuit conditions.	
	6. Protection for reverse flow of current through the PV module(s) should be provided.	
g) Mechanical Components	1. Corrosion resistant metallic frame structure should be provided to hold the SPV module with proper arrangement for mounting.	
	2. The frame structure should have provision to adjust its angle of inclination to the horizontal, so that it can be installed at the specified tilt angle.	
	3. Light source should be either for wall mounted or ceiling mounted or can be hung from the ceiling in a stable manner, as per site requirements.	
	4. A vented plastic/ wooden/ metallic box with acid proof corrosion resistant paint for housing the storage battery indoors should be provided.	
h) Indicators	1. The system should have two indicators, green and red.	
	2. The green indicator should indicate the charging under progress and should glow only when the charging is taking place. It should stop glowing when the battery is fully charged.	
	3. Red indicator should indicate the battery "Load Cut Off" condition.	
i) Operation and Mainten	An Operation, Instruction and Maintenance Manual, in English and the local language, should be provided with the Solar Home Lighting System. The following minimum details must be provided in the Manual:	
	➢ Basic principles of Photovoltaics.	

ance Manual	➢ A small write-up (with a block diagram) on Solar Home Lighting System - its components, PV module, battery, electronics and luminaire and expected performance. ➢ Significance of indicators. ➢ Type, Model number, voltage & capacity of the battery, used in the system. ➢ The make, model number, country of origin and technical characteristics (including IESNA LM-80 report) of W-LEDs used in the lighting system must be indicated in the manual. ➢ Clear instructions about mounting of PV module(s). ➢ Clear instructions on regular maintenance and trouble shooting of the Solar Home Lighting System. ➢ DO's and DONT's. ➢ Name and address of the contact person for repair and maintenance.	
Item No 3 : AMC of Item 1 Solar Powered Area Lighting System for OIL's Water supply Pontoons at Tipling , Duliajan. **QTY = 1 AU**		
Item No 4 : AMC of Item 2 Solar Powered Area Lighting Systems for OIL's 4MGD Water Treatment Plant , Duliajan. **QTY = 1 AU**		
<u>ANNUAL MAINTENANCE CONTRACT CLAUSES:</u> After successful Commissioning of the systems, OIL intent to enter into separate comprehensive Annual Maintenance Contract (AMC) with the supplier for a period of 05 (five) years. However, OIL reserves the right to enter in to the same at its sole discretion. **Comprehensive Annual Maintenance Contract (AMC) charges shall be considered for Bid evaluation.** Therefore, the bidder has to mandatorily quote the AMC charges **<u>separately</u>** for including all spares and materials required for carrying out Annual Maintenance (AMC)of the Solar Lighting Systems as detailed below: 1. The annual Maintenance shall consist of atleast 04 (four) visit of qualified and competent personnel from equipment manufacturer (or their authorized agent) at an interval of 03 (three) months for overall inspection of the system(s). 2. During such quarterly visits the following jobs shall have to be taken up: (i) External Cleaning of the PV Modules. (ii) Checking of the electrolyte level of the Battery(s). (If applicable) (iii)Topping up / replenishment of Distilled Water to the Battery(s) as and when necessary. The requisite Distilled water shall have to provided by the supplier. (If applicable) (iv)Checking / Rectification of all mountings etc of the lights. Any defect observed in the mechanical/ civil components to be rectified. (v) Checking / Rectification of all electronics of the system(s). **3. Annual Maintenance Contract charges should be quoted separately which shall be considered for evaluation of the offers. These charges should include amongst others to and fro fares, boarding/ lodging and other expenses of the Service Engineers**		

during their stay at Duliajan, Assam (India). 4. **It may be noted that, OIL shall place order for Supply and Installation & Commissioning of the Solar Lighting Systems only. However, the Annual Maintenance Contract charges quoted by the bidder shall be considered for evaluation purpose of the price bid. The Annual Maintenance Contract may be finalized upon successful completion of Installation & Commissioning of the Solar Lighting Systems.** However, OIL reserves the right to enter in to the same at its sole discretion.	
E. WARRANTY : 1. The Solar lighting system as detailed above will be warranted for a period of five years from the date of supply. The warranty shall include the batteries incorporated in the system also.	
2. The PV module(s) will be warranted for a minimum period of 25 years from the date of supply. PV modules used in Solar Lighting System must be warranted for their output peak watt capacity, which should not be less than 90% at the end of Ten (10) years and 80% at the end of Twenty five (25) years.	
3. The Warranty Card to be supplied with the system must contain the details of the system. The manufacturers can also provide additional information about the system and conditions of warranty as necessary.	
F. PACKING AND TRANSPORTATION : 1. All the items shall have to be suitably packed for transfer. Packing should done in a way to avoid water ingress, damages/ breakage during transit.	
2. Any item(s) found damaged during transit shall have to replaced free of cost by the supplier.	
G. INSTALLATION AND COMMISSIONING: 1. Installation and Commissioning of the systems as detailed above to be done by the supplier at their own cost. OIL shall provide transportation facility of the Installation and Commissioning crew from Duliajan to site and welding /cutting jobs involved if any. The food & lodging of the Installation and Commissioning crew should be arranged by the supplier at their own cost.	
2. All Civil jobs required for erection / installation shall have to be done by supplier.	
3. Security for both men, material and machines are to be arranged by the supplier during the Installation & Commissioning process.	
4. Supplier must adhere to all safety norms as laid by OIL during Installation and Commissioning process.	
5. All work should be done only in OIL's normal working Hours.	
6. The system shall be considered “Commissioned” only after satisfactory TRIAL RUN of the entire systems (as detailed above) for a period of not less than 72 hours.	

H. SPECIAL NOTES: 1. Penalty clause : During the AMC/Warranty period, any failed device shall have to be repaired/ replaced with a new/ standby device within 72 hrs. of reporting the failure. Necessary configuration of the replacement device for proper operation of the device will be the responsibility of the successful bidder. In case of failure on the part of the bidder to rectify the problem within 72 hrs of reporting, a penalty of Rs 1000.00 per day per device will be levied and the tenure of the AMC/Warranty will be extended for the period on a pro-rata basis at no extra cost to OIL. The penalty amount will be deducted from the performance security of material value during the warranty period. Whereas The penalty amount will be deducted from the AMC bills during the AMC period. However, maximum penalty will not exceed 15% of the performance security of material value during warranty period and 15% of AMC charges during AMC period.	
2. Any query / clarification sought by OIL from the Bidder must be furnished within the stipulated time frame. Failing which the offer shall be considered as non responsive and shall be rejected.	
3. All documents in the bid shall have to be furnished as detailed under Sl. No. B : Note to Bidders of the NIT.	
I. PAYMENT TERMS: 1. 70% payment of the equipment cost will be paid against delivery of material. Remaining 30% alongwith Installation & Commissioning charges will be paid after completion of installation and commissioning. 2. Payment of AMC charges will be made quarterly after completion of every quarter.	
J. Price Breakup: Bidders should submit the price breakup of all the items as per "Annexure HHH" which has been uploaded under "Notes & Attachments" > "Attachments" as shown below. The price breakup "Annexure HHH" should be filled up, signed and uploaded under "Notes & Attachments" > "Attachments" only. **The filled up price breakup of all the items should not be uploaded in Technical RFx Response folder.**	



NOTE:

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.

Price Breakup **ANNEXURE-HHH**

Tender No & Date: SDI6894P16 dated 13.04.15

	A	B	C = A X B	
	Qty	**Unit Price (In Rs)**	**Total Price (In Rs)**	**Rate of Tax (In %)**
Item No 1 : Supply and Installation of Solar Powered Area Lighting System of for OIL's Water supply Pontoons at Tipling , Duliajan consisting of :White-LED (W-LED) Based Solar Street Lighting Systems (Dusk to dawn auto cut operation)	20 Nos			
Item No 2 : Supply and Installation of Solar Powered Area Lighting Systems of OIL's 4MGD Water Treatment Plant , Duliajan consisting of the following: i) White-LED (W-LED) Based Solar Street Lighting Systems (Dusk to dawn auto cut operation) – Quantity: 30 Nos. ii) WHITE-LED (W-LED) Based Solar Home (Indoor) Lighting Systems – Quantity: 33 Nos.	63 Nos			
Item No 3 : AMC of Item 1 Solar Powered Area Lighting System for OIL's Water supply Pontoons at Tipling , Duliajan.	1 AU			
Item No 4 : AMC of Item 2 Solar Powered Area Lighting Systems for OIL's 4MGD Water Treatment Plant , Duliajan.	1 AU			
Total Freight Charge (In Rs)				
Insurance Charge (In Rs)				
Any Other Charges (In Rs)				
Total FOR Duliajan Price (In Rs)				

NOTE:

Bidders should fill up, sign and upload the price breakup of all the items as per "Annexure HHH" under "Notes & Attachments" > "Attachments" only. **The filled up price breakup of all the items should not be uploaded in Technical RFx Response folder.**

Bidders Response Sheet **Annexure-FFF**

Tender No.	
Bidders Name	

Sl No.	Description	Remarks
1	Name of Bidder	
2	Whether tender document purchased from OIL's offices.	
3	Place of Despatch	
4	Whether Freight charges have been included in your quoted prices	
5	Whether Insurance charges have been included in your quoted prices	
6	Make of quoted Product	
7	Offered Validity of Bid as per NIT	
8	Delivery Period in weeks from placement of order	
9	Complied to Standard Payment Terms of OIL or not.	
10	Bid Security Submitted (if applicable)	
11	Details of Bid Security Submitted to OIL (if applicable)	
	a) Bid Security Amount (In Rs):	
	b) Bid Security Valid upto:	
	c) Name and Full Address of Issuing Bank:	
12	Confirm that the Bid Security submitted (In case of Bank Guarantee) is in toto as per format provided in the tender.	
13	Bid Security if Not submitted reasons thereof	
14	Whether you shall submit Performance Security in the event of placement of order on you (if applicable)	
15	Integrity Pact Submitted (if applicable)	
16	Confirm that the Integrity Pact submitted is in toto as per format provided in the tender.	
17	Whether submitted documents in support of General Qualification criteria of NIT	
18	If bidder is Small scale unit whether you have quoted your own product	
19	If bidder is Small scale unit whether you are eligible for purchase preference (as per Govt guideliness)	
20	Whether filled up the bank details for online payment as per Annexure GGG	

NOTE: Please fill up the greyed cells only.

Technical Bid Checklist **Annexure-EEE**

Tender No.	
Bidder's Name :	

		Compliance by Bidder	
SL. NO.	**BEC / TENDER REQUIREMENTS**	Indicate 'Confirmed' / 'Not Confirmed' / Not applicable	Indicate Corresponding page ref. of unpriced bid or Comments
1	**Bidder to confirm that he has not taken any exception/deviations to the bid document .**		
2	**Confirm that the product offered strictly conform to the technical specifications.**		
3	**Confirm that the Offer has been made with Bid Bond / Bank Guarantee / Earnest Money along with the offer (Wherever Applicable) ?**		
4	**Confirm unconditional validity of the bid for 120 days from the date of opening of techno-commercial bid.**		
5	**Confirm that the prices offered are firm and / or without any qualifications?**		
6	**Confirm that all relevant fields in the on-line biding format been filled in by the bidders for the items quoted by them.**		
7	**Confirm that the the price bid is in conformity with OIL's online bidding format ?**		
8	**Confirm that the Bid comply with all the terms & conditions ?**		
9	**Confirm that the offers and all attached documents are digitally signed using digital signatures issued by an acceptable Certifying Authority (CA) as per Indian IT Act 2000.**		
10	**CONFIRM THAT YOU HAVE SUBMITTED THE DULY SIGNED INTEGRITY PACT DOCUMENT (Wherever Applicable)**		
11	**CONFIRM THAT YOU HAVE SHALL SUBMIT PERFORMANCE BANK GUARANTEE AS PER NIT IN THE EVENT OF PLACEMENT OF ORDER ON YOU (Wherever Applicable)**		
12	**CONFIRM THAT YOU HAVE SUBMITTED DOCUMENTS AS PER GENERAL QUALIFICATION CRITERIA**		

NOTE: Please fill up the greyed cells only.

ANNEXURE - GGG

(TO BE FILLED UP BY ALL THE VENDOR IN THEIR OWN LETER HEAD)
(ALL FIELDS ARE MANDATORY)

Tender No.	**:……**
Name of Beneficiary	**:M/s……**
Vendor Code	**:……...**
Address	**:..…….**
	..……..
Phone No. (Land Line)	**:..…….**
Mobile No.	**:..…….**
E-mail address	**:..…….**
Bank Account No. (Minimum	
Eleven Digit No.)	**:..…….**
Bank Name	**:..…….**
Branch	**:..…….**
Complete Address of your	**:..…….**
Bank	**:..…….**
IFSC Code of your Bank	
a) RTGS	**:……...**
b) NEFT	**:……...**
PAN	**:……...**
VAT Registration No.	**:……...**
CST Registration No.	**:……...**
Service Tax Registration No.	**:……...**
Provident Fund Registration	**:……...**

I/We confirm and agree that all payments due to me/us from Oil India Limited can be remitted to our above mentioned account directly and we shall not hold Oil India Limited responsible if the amount due from Oil India Limited is remitted to wrong account due to incorrect details furnished by us.

……

Office Seal **Signature of Vendor**

Counter Signed by Banker:
Seal of Bank:

Enclosure: Self attested photocopies of the following documents-

1) **PAN Card**
2) **VAT Registration Certificate**
3) **Service Tax Registration**
4) **CST Registration**
5) **Provident Registration Certificate**
6) **Cancelled cheque of the bank account mentioned above (in original).**
7) **Bank Statement not older than 15 days on the date of submission.**