

Name of work: - 30 W INTEGRATED SOLAR LED STANDLONE SYSTEM WITH ALL ACCESSORIES AND EQUIPMENT INSTALLATION TESTING COMMISSIONING AND MAINTANANCESERVICES FOR 5 YEAR AT- DAHEJ SEZ LIMITED.

For above subject work, invite offer from Pre-qualified contractors.

It is requested to visit the site in consultation with following officials of DSL.

1. Vipulsinh Mahida (Electrician) Mo.7575805043

Please submit the Offer in seal cover only after verification of work at site.

Subject mention on seal cover as under.

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Address: - Office of Dahej SEZ Ltd.

Dahej SEZ Part-1,

At & Po: - Dahej,

Ta: - Vagra,

Di:-Bharuch.

Last Date of submission on or before:-27.09.2019

Note: Only Pre-Qualified contractor of Dahej SEZ Ltd. is eligible to quote / submit the offer.

**NAME OF WORK :- 30 W INTEGRATED SOLAR LED STANDLONE SYSTEM WITH ALL ACCESSORIES AND EQUIPMENT
INSTALLATION TESTING COMMISSIONING AND MAINTANANCE SERVICE FOR 5 YEAR. AT- DAHEJ SEZ LIMITED**

PRICE BID

SR.NO	DESCRIPTION	UNIT	QTY	RATE(Rs.)	RATE (In Words)	Amount(Rs.)
1	30 w Integrated Solar LED Standlone System With Installation (30 W Integrated Solar LED Standlone System) Make:-Surya,Oshram and Approved by DSL	Nos	6			
2	Erection of street light pole,(available in DSL Store Area) loading & unloading work from DSL store to required area, with Earthing of pipe with G.I wire painted by one coat of red oxide and two coat of silver paint, Foundation with material,(Providing & fixing of cement concrete foundation including excavation for the pole with 60 X60 X180cms deep in 1:2:4 cement concrete (120 to 125mm stone matel)with 45cms X 45cms(or 45cms dia) X 45cms high cement concrete plinth with necessary curing and finishing in approved manner as per instruction of Engineer-in-charge.) if required pile is to be done instead of excavation as per instruction of EIC.	Nos	6			
Total Amount=						

Note: Above rate quoted after site visit

Bid Amount : Figure:
Word:

Sign and seal of authority

30 w integrated Solar LED System Technical Speaction , Dahej SEZ Limitead

Sr,no	Description
1	<p style="text-align: center;">Model</p> <p style="text-align: center;">IV</p>
2	<p>model III: With lithiumferro phosphate battery. Operate from dusk to dawn at full brightness</p>
3	<p>Battery</p> <p>PV Module (Wp)Under STC (Wp)</p> <p style="text-align: center;">IV:30</p>
4	<p>Battery capacity</p> <p>12V-AH 160Wah C/10 tobe selectead as per MNRE spection for guideline</p>
5	<p>scope of Supply</p> <p>with erection and commissioning</p>
6	<p>Confirm to spection</p> <p>As per MNRE spection for solar photovolic lightinh system& amp ;power packs-white LED (W-Led)</p>
7	<p>model as per MNRE Spection</p> <p>model: IV</p>
8	<p>BatteryColour tempratureWhite - LED (deg k)</p> <p>5500 deg K to 6500 K</p>
9	<p>PV Module (Wp)under STC (Wp)</p> <p>model IV30</p>
10	<p>Battery capacity</p> <p>160Wah</p>
11	<p>Autonomy</p> <p>model 1:3 day or miniumum 42 operating hoursper permissible discharge</p>
12	<p>Type of light source</p> <p>White light emitting (W-LED)</p>
13	<p>Light out put (Lux)Must Declare as per MNRE Spection</p> <p>30W</p>
14	<p>Duty cycle</p> <p>Dusk To Dawn as per MNRE</p>
15	<p>PV Module Chemistry</p> <p>crystalline Silicon solar cell</p>
16	<p>PV Module efficiency(%)</p> <p>>/=12</p>
17	<p>Mode Curent consumption (mA)Must declare (not more than 20mA)</p> <p></20mA</p>
18	<p>Necessary cable and connector as per part of supply of light system</p> <p>As per MNRE spection for solar photovolic lightinh system& amp ;power packs-white LED (W-LED)</p>
CERTIFICATIONS	
1	<p>Battery type make and model</p> <p>Lithium ion Battery</p>
2	<p>Warrenty for street lightig systeminculding battery (years)</p> <p>5</p>
3	<p>Warrenty for Pv Module (Years)</p> <p>25</p>
4	<p>Availability of test report Government or NABAI or ILAC accreditedlab Covering all the parameter as per MNRE Specification</p>
5	<p>Test report No.</p>
6	<p>test Report Date</p>

Terms & Conditions

Security deposit:

- 10% amount shall be kept as a security deposit and amount will be deducted from RA /Final bill .
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The amount of security deposit is liable to be refunded as under---

10 % ---After one month from the completion certificate issued by DSL

15 %---- After one year from the completion certificate issued by DSL

75 %----- After completion of defect liability period. i.e. 5 years from the
date of issuance of completion certificate.

- No interest shall be accrued on the said security deposit.
- Security deposit will be forfeited if Firm/contractor/agency fails to execute the works as per terms and conditions mentioned in the tender.

Time limit: 45 Days with effect from work order issued by DSL

Scope of work :

- The work is to be carried out on 'Turn Key Basis' which includes survey, supply & installation of 30W integrated solar LED standalone system with all accessories and equipment, installation, testing, commissioning and maintenance services for 5 years.
- Site cleaning is to be done by contractor for which no payment shall be made by DSL.
- If required, temporary approach is to be constructed by contractor for execution of work for which no payment shall be made by DSL.
- De-watering if required as per site condition is to be done by contractor for which no any extra payment shall be made by DSL.
- **Contractor has to carry out all required work as per the site conditions for installation of solar street light up to the satisfaction of DSL authority.**
- **Contractor must visit the site and received the necessary information required for the work to be executed.**
- If required, contractor has to justify the rate quoted along with supporting documents.
- Contractor has to execute the works as per the instruction given by DSL time to time.
- In case of accident during the works, all the responsibilities of man, machinery and property will be rest with the agency/contractor.
- Contractor will make his own arrangement for all materials, manpower, equipment's etc. including water and electricity IF required to execute the works.
- **Contractor has to depute full time competent Engineer / Supervisor at site for supervision of work.**
- **Agency is required for routine maintenance of Solar street lights and agency has to visit the site at least one time in a quarter of the year during free maintenance period of 5 years.**

- Agency has to submit the required test certificate for installation of solar street lights. If any test required to be carried out then all cost in this regard shall be borne by contractor.
- All the works shall be executed as per the relevant I.S codes and practice.
- Contractor shall be responsible for the theft of materials, plants etc. **Contractor has to depute his security personnel (24*7)at site.**
- For any extra item, Approval is to be taken from DSL before execution of extra item at site. Contractor has to submit the Rate analysis for extra item along with supporting documents for approval. The rate finalized by DSL for extra item must be binding to contractor.
- Contractor has to follow rules and regulation governed in SEZ area.
- **DSL reserved the right to increase or decrease scope of work/quantum of work/item without assigning any reason and must be binding to contractor/agency.**
- Contractor has to execute the works as per the instruction given by DSL time to time.
- Bidders are required to quote rates inclusive of Comprehensive Maintenance Contract (CMC) for the period of five years for the system. The rates quoted shall be inclusive of charges for providing Routine Maintenance services at the beneficiary's end as per site requirements to ensure smooth and satisfactory performance of the system. Replacement of any components of the system is included in the scope of work of CMC.. In case the system fails to attain the required Performance Ratio, the system shall be deemed to non-performing and DSL may invoke the entire security deposit.

DEFECT LIABILITY or free maintenance period: Defect liability period **or free maintenance period** is **5 years (Five years)** from the date of completion certificate issued by authorized person of DSL. During defect liability period, contractor is fully responsible for rectification of any damage/defect in works/ any repairing or maintenance work required. Complaint shall be attended by contractor within 7 days from the intimation of defect/ repairing works/ maintenance works. If contractor fails to do so then DSL reserved the right to rectify the same at risk and cost of contractor and payment for the same shall be deducted from due payment to contractor/ security deposit and must be binding to bidder.