CORRIGENDUM - 1

NEW & RENEWABLE ENERGY DEVELOPMENT CORPORATION OF A.P LTD. (NREDCAP)
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Corrigendum No. 1 to Tender Notice No. NREDCAP/EC/EELEDs-1/2016-17
Dated: 21.05.2016

Name of the Work:
Tender For Selection of Bidder for Implementation, Operation and Maintenance of Smart LED Street Light, and Command and Control Centre in the State of Andhra Pradesh.

All the bidders for the said work are requested to see the attached documents where in the Clarifications are given after the Pre Bid Meeting held on 28.05.2016.

Revised Time schedule of tender related events:

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bid calling date</td>
<td>21-05-2016</td>
</tr>
<tr>
<td>Bid Document Download End Date &amp; Time</td>
<td>21-06-2016, 11-00 AM</td>
</tr>
<tr>
<td>Bid closing date/time</td>
<td>21-06-2016, 03-00 PM</td>
</tr>
<tr>
<td>Bid Document Fee</td>
<td>Rs.10,000/-</td>
</tr>
</tbody>
</table>
VC & MD along with GM(EC), Committee Members addressed the queries raised by the vendors as below.

**Query No.1:**

11.2 CCMS Requirements

Bidder has to supply, install, test, commissioning and maintenance of lighting controls (Centralized Control & Monitoring System - CCMS) for LED streetlights in the respective Villages. It is proposed to install CCMS systems.

- At each switching point
- At areas where Streetlight phase is missing

**Answer:** Most of the Gram Panchayat’s mentioned in the 1st phase are Mandal head quarters and a dedicated Line for Street lighting is exists. However in the absence of the dedicated line AP Transco will lay the line and if it is taking time the department will swap the village with the next bigger Village in that Mandal. Switching points may be decided based on the load on the field.

**Query No.2:**

**Operational Features**

- The CCMS unit should have a battery back or a UPS backup of at least 4 to 8 hours or technology to send required information after power failure

Change Requested: Since our devices use the existing power-line as the main communication protocol and power resources, our device can detect once the power is not supplied to the controller device anymore and notify the Command Center immediately. The Command Center can tell when the device is offline and when the power is restored on the web-based software. All the information and data that are generated during the power failure period can be stored in our Segment Controllers up to 15 days and continue the update to our software once the power is restored. Battery back and UPS back will not be necessary and only add more cost.

**Answer:** Power Backup is a must for the remote switch as in case of the power failure or other power line issue there is no other source for backup.

**Query No.3:**

**Functional Specifications**

- Class 1.0 accuracy Energy Meter with ISI marking/IS-13779 is to be used for power measurement. Type testing report from NABL Accredited Lab to be provided

Comment: The energy metering functionality has already been embedded in our controller to measure the below data. There is no need to purchase an additional energy meter to showcase the below energy information on our software. We further
reduce the cost by integrating energy meter and control mechanism in our lighting controller as a single unit. So need of NABL approved Energy Meter is not necessary as mentioned in type test reports.

- Voltages
- Current
- Power Factor
- Active Power (kW)
- Apparent Power (kVA)
- Metering kWh cumulative
- Metering KVAh cumulative

**Answer:** Class 1.0 accuracy Energy Meter with ISI marking/IS-13779 is to be used for power measurement. Type testing report from NABL Accredited Lab to be provided as this should be compatible and certified by Transco.

**Query No.4**

**Web based software**

Central Control and Monitoring System functionalities

- Switch Weld & Switch Fail events
  Comment: We can showcase the disconnected streetlight, which can be equal to Switch Weld also?

- Software to have complaint handling system for light failures, with citizen interface and means of communicating repair update to complaining citizen through SMS.
  Comment: Our system can open up a non-controllable streetlight management web version especially designed for citizens to check the streetlight status. When there is an outage on the road, citizens can login into the system and press the “Send Message” or “Call Mobile” to contact administrators to report the issue. We do not recommend enabling the delivery of SMS that reports the communication repair update directly to the complaining citizen; hence, sending SMS is more valuable when the system reports to maintenance teams and administrators who have the authority to fix the light failure.

  **Answer:** Equivalent or Higher Solution can be proposed. But the Bidder has to meet the minimum criteria as specified for all the items in the tender document.

**Query No.5:**

The CCMS and Command Centre Control Software are two different expertise. So Call centre CAPEX activity of providing materials and establishing it should be treated as separate Package and CCMS & OPEX of Call centre (running the call centre) should be treated as separate Package.

**Answer:** No change. As this is an integrated solution as described in the tender document individual proposal will not be considered. The Bidder should quote for all
the Items specified in the tender and submit a Manufacturer Authorization for the items quoted.

**Query No.6:**
Demonstrate of CCMS solution by the Bidders.?

**Answer:** All bidders successful in technical Bid will be required to make a live demonstration of the CCMS Solution and the same will be confirmed by the Tender committee.

**Query No.7:**
CCMS Solution requires Base Line Survey Data.?

**Answer:** Sample Base Line survey data is attached along with the pre bid clarifications.

**Query No.8:**
CCMS Solution should be installed first to assess the energy savings from LED Lights Vs Traditional Lighting.?

**Answer:** Energy savings from the traditional lightening can be obtained from the baseline survey or the Transco. However NREDCAP would want the CCMS solution to be implemented prior to the LED lights installations. But this depends on the timelines and the same will be decided by the tender committee.

**Query No.9**
For the Contact Center Solution: a. The OEM should be in the Gartner Leadership Quadrant for Contact Centre Infrastructure business. (as per RFP Part II - Eligibility Criteria) We request you to include this in BOQ instead of Eligibility criteria

OR

We suggest the eligibility criteria to be as "the contact center software must have served a consumer base of more than 5.0 Lakhs in Government Organizations/utilities".

We have an experience in providing contact center application, operation and maintenance to various Government utilities like APEPDCL, TANGEDCO, KSEB, CSEB, UPCL etc. and we assure our application meets all specifications of RFP with Customizations. Our experience in working with Power utilities will add value to this project.

**Answer:** No Change.

**Query no.10**
What are the districts and villages (locations) for streetlight?

**Answer:** List is attached with Pre Bid Minutes.
Query no.11

What could be the maximum wattage of streetlights at segment level?

**Answer:** Sample details on the pole details was attached and because of the deemed savings the wattage can be finalised on actuals. However the bidder has to validate the data before the implementation.

Query no.12

Please provide us technical specifications of CCMS Hardware unit (Like rating of Energy meter, primary CT ratio and operating voltages)

**Answer:** All the details are specified in the tender.

Query no.13

Please elaborate us on the definition of individual switching points and networked switching points for control and monitoring.

**Answer:** Not applicable because the switching is going to happen in group.

Query no.14

Will there be 24 X 7 power supply available for street light feeder, since RF node is installed on each street light?

**Answer:** As this is small in qty. in the first phase we will try to explore the option of RF modules in the next phase based on the feedback.

Query no.15

Will there be switching ON/OFF of individual street light or group of street lights.

**Answer:** The switching will be as a group of street Lights.

Query no.16

Can we do a survey of field for street lights is allowed before submitting our response document?

**Answer:** You are free to do the survey but at your cost. Department is not going take any responsibility on the commercials.

Query no.17

With ref. To the RFP bidder eligibility criteria we request you to consider the OEM criteria for call center implementation in the last 3 years under any Govt. or private sector in India.

**Answer:** It is clearly mentioned as Bidder / OEM. Hence no change.
Query no.18

Request you whether you consider the turn-over condition in numbers and rupees or the experiences in MW's of handling different segments like sub-stations, distribution transformers, Municipal lighting, railways and industries etc.

Answer: No Change

Query no.19

The CCMS unit should have a battery back or a UPS backup of at least 4 to 8 hours or technology to send required information after power failure. This point is mandatory because if we don’t know the power failure time our power and light related reports won’t give correct time. It will impact on power saving calculations.

Answer: Battery back up is mentione din the document and there is no further Change.

Query no.20

Class 1.0 accuracy Energy Meter with ISI marking/IS-13779 is to be used for power measurement. Type testing report from NABL Accredited Lab to be provided. Class 1.0 meter is mandatory because most of the switch points are not having meters. Based on this we can generate bill and also useful in finding light failure.

Answer: No Change

Query no.21

Test Report of any Authorised Test Centers for CCMS issued as per the technical specifications on their name. Are you asking for current CCMS test report or any certificate issued for GSM controller for is ok. As per tender you are asking customization of CCMS.

Answer: The point is self explanatory.

Query no.22

If the tender is a technical and price bid tender or just empanelment of vendors from whom you shall be inviting tenders at a later date?

Answer: This is not an empanelment tender it is a techno commercial Bid.

Query no.23

How the international bidders will take part in this tender.

Answer: Any firm meeting the eligibility criteria specified in the tender can participate through e-Procurement website.

Query no.24

Is the document available offline or only through Class III Digital Signature log-in, which international bidders will not have.
**Answer:** The Bid Document is available online on both www.apeprocurement.gov.in & www.nredcap.in websites for download. However the bidding will happen only through eprocurement Website.

**Query no.25**

As per the RFP manufacturer authorization has been asked. For call center and IT related products and integration purpose we will be able to submit as there are only select and elite solution providers like Avaya and Cisco. But for the REMOTE SWITCH it will be difficult to submit the same as no manufacturer has the capacity to supply in such quantities in the project duration time you are asking for. So request you to relax the Manufacturer authorization for CCMS products and allow us to quote multiple options with detailed product data sheets.

**Answer:** Bidders can quote multiple options provided all the products quoted are meeting the technical specifications.

**Query no.26**

Sir in the remote switch solution as well you had asked for 7-10 yr warranty. The product can be covered under warranty but request you to remove consumables like battery, fuses etc from the warranty scope as these are regular consumables which are frequently damaged by the excess surges in the power supply. This will only increase the cost of the product and will be difficult to manage.

**Answer:** As this is a pilot base implementation department would like to have the entire expenditure as per the tender on Vendor only. However in the next phase the suggestions will be considered for evaluation based on the out come of the 1st phase.

**Query no.27**

As per the industry standards all the supplied products cannot be covered under warranty against physical damages, voltage surges, and other natural calamities and even these products cannot be covered under any insurance. So request you to clarify on who is going to bear the replacement charges in the event of the above incident.

**Answer:** Warranty will be void for any physical damages. As far as the surges in the voltage are concerned the product should be surge protected and if still the surge is damaged the same will be replaced by the respective panchayats.

**Query no.28**

Request you to please help us with the clarifications on the payment terms as well.

**Answer:** Pls. see the revised financial terms.

**Query no.29**

As per the RFP there is an ambiguity on the Number of seats as the BOQ asked is for 20 and expandable to 48. Request you to confirm when the additional manpower is required? who is going to pay for the additional infrastructure required? Kindly clarify how this manpower placement is phased out?
**Answer:** The Number of Call centre seats have been revised to 8 and the same will be increased based on the requirement. Bidder has to quote the cost for extra seat per month.

**Query no.30**

As per the RFP CCMS solution is being asked for the LED light and there is a quantity of 11000 mentioned. Request you to clarify how may LED lights will be connected to each remote switch? As different vendors have different capacity of Remote switch we request you to make it generic as there is no fixed number of lights to be connected to the supplied switch.

**Answer:** The quantity of the junction boxes will be decided on the actuals and bidder need to quote the price of the junction box as per the Financial sheet attached to this Pre Bid Minutes.

**Query no.31**

As per the RFP it is understood that LED light supply vendors are being empaneled for the said project. Request to clarify how the payment mechanism is going to be as there is no clarity on the same?

**Answer:** Payment will be done by NREDCAP asper the payment terms mentioned in the Tender.

**Query no.32**

As there is huge amount of inventory procurement is involved in the project request the department for considering 30% mobilization advance along with the Purchase order.

**Answer:** As this is a pilot base implementation and it is a model of PPP project, Department can not extend any support on Mobilisation advance.

**Query No.33:**
Due to Problems in eprocurement site can the Tender be made as manual Submission?

**Answer:** There was a problem initially due to a change in vendor for the eprocurement. Now the site is up and running. Only online bids will be considered.
## IP Phone Specifications

### Supervisor – Medium Range Colour IP Phone Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>IP Phone should meet minimum of following technical specifications</td>
<td></td>
</tr>
<tr>
<td>Should have high-resolution colour display with minimum 5” or higher screen size</td>
<td></td>
</tr>
<tr>
<td>Should have an integrated 2-port 10/100/1000 Ethernet switch</td>
<td></td>
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<tr>
<td>Should have minimum 5 or more line keys</td>
<td></td>
</tr>
<tr>
<td>Should have minimum 4 or more programmable soft keys</td>
<td></td>
</tr>
<tr>
<td>SIP support for signaling</td>
<td></td>
</tr>
<tr>
<td>Should support Secure Real-Time Protocol (SRTP) for Media encryption</td>
<td></td>
</tr>
<tr>
<td>and Transport Layer Security (TLS) Protocol Signaling encryption</td>
<td></td>
</tr>
<tr>
<td>Should provide the directory services to the user by displaying the missed, received and dialed call details including the caller ID</td>
<td></td>
</tr>
<tr>
<td>Should support IEEE 802.3af PoE and external AC power adapter option</td>
<td></td>
</tr>
<tr>
<td>Audio Codec Support: G.711, G.729, G.722</td>
<td></td>
</tr>
<tr>
<td>Should support XML based applications</td>
<td></td>
</tr>
<tr>
<td>Should support wideband / high definition voice, speakerphone</td>
<td></td>
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</tbody>
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### Agent - Entry Level IP Phone Specifications

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<tbody>
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</tr>
<tr>
<td>Should have high-resolution grayscale / monochrome display with minimum 3.5” or higher screen size</td>
<td></td>
</tr>
<tr>
<td>Should have an integrated 2-port 10/100 Ethernet switch</td>
<td></td>
</tr>
<tr>
<td>Should have minimum 2 or more line keys</td>
<td></td>
</tr>
<tr>
<td>Should have minimum 4 or more programmable soft keys</td>
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<td>and Transport Layer Security (TLS) Protocol Signaling encryption</td>
<td></td>
</tr>
<tr>
<td>Feature</td>
<td>Description</td>
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<td>------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Directory Services</td>
<td>Should provide the directory services to the user by displaying the missed, received and dialed call details including the caller ID</td>
</tr>
<tr>
<td>IEEE 802.3af PoE</td>
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