

**Queries of prospective bidders against RfP for utilizing the services of Consulting Agencies for validation of Pumped Energy Data of AP Feeders to conduct studies for accurate assessment of agricultural consumption in the State of Punjab.**

Sr.No.	Queries of prospective bidders.	Clarification
1.	<p><b>M/s Administrative Staff College of India.</b> Validation and cross verification of pumped energy data is contemplated by visiting selected sub-stations from the 11 KV metering data at sub-stations. It may please be indicated where the pumped data is available for validation at Commission Office or at DISCOM Offices?</p> <p>Under item 1 under scope of work, validation and cross verification of pumped energy data from April, 2015 till date of inspection is to be done from all 11 KV feeders. From April, 2015 till date there may be new agricultural connections added on to each 11 KV feeder. Is it necessary for consultant to cross verify number of new pump-sets connected on to each feeder by the Distribution Company?.</p> <p>Under item 2 of scope of work study and calculation of T&amp;D losses of 10% of 11 KV feeders fed from selected 100 Nos. sub stations is to be done considering 100% consumers meter data. Is it necessary for consultant to cross verify the consumers meter data from consumer meter readings at field level</p> <p>Examination of methodology being used in Kandi Area is to be done as per item 3 of scope of work. We feel such examination is to be done at Commissions Office.</p> <p>From Para 3.4 of Section – III it is felt that Consultant has to organise teams preferably for each zone (five) each team to consist three core members with prescribed qualification and experience. We feel one core team with the prescribed qualifications experience will be adequate for over all study. Zonal teams (five) expected to visit sub-stations collection of readings etc., shall be</p>	<p>The data supplied to the Commission is to be validated as per grid sub-station record.</p> <p>No</p> <p>There may be very few 11 kV AP feeders with 100% consumer metering. However, while calculating T&amp;D losses of such feeders, verification of metered energy shall be required.</p> <p>The Commission intends the consultants to evaluate different options to assess AP consumption of kandi area mixed feeders and suggest better methodology</p> <p>Corrigendum 1 &amp; 2 issued and also e-mailed.</p>

	with two persons one with B.Tech (Elec.) Engineering two or three year experience and other technician with adequate knowledge on metering.	
2.	<p><b>PricewaterhouseCoopers Pvt.Ltd., Gurgaon.</b></p> <p><b>Clause 3.3: It is not clear as to how the scoring will be done:</b> Although minimum number of assignments have been mentioned in the RFP, however no other details regarding allocation of score has been provided. If graded scoring (weightage to number of assignments) will be given for two assignments itself. Example of graded scoring: 2 assignments will get 20 marks, 2 to 5 assignments will get 30 marks and above 5 assignments will get 40 marks.</p> <p><b>Clause 3.4 Team leader is required for every zone wise team or a single team leader for the entire project?</b> Similarly, each zone wise team should have one member with 8 years of experience and one certified energy auditor or in the entire team such members should be there?</p> <p>Also, <b>no details have been provided as to how 50 marks will be allocated.</b> Whether meeting the minimum qualification requirement with three members will fetch full 50 marks or some other graded scoring technique will be used based on number of members/number of teams/number of members meeting the specified qualification?</p> <p><b>Annexure III. Scope of work-2.0- Sample Size of AP feeders are not provided.</b> The scope of work requires study to be carried out on 10% of AP feeders from the selected 100 grid sub-stations. However without clarity on total number of such feeders it would be difficult to make a cost estimate. Also, in absence of 100% consumer metering, load flow study has to be done on selected feeders which will be a dependent additional cost. Again as the</p>	<p><b>Clause 3.3</b> Minimum two complete assignments related to the work are required to qualify. However, the allocation of score shall depend on number of assignments as per the criterion approved by the Commission as per regulation 3(C) of PSERC (Engagement of Consultants) Regulations, 2012.</p> <p><b>Clause 3.4</b> Necessary corrigendum No. 1 &amp;2 have already been issued on 17.06.2016 and 18.06.2016 respectively.</p> <p>See reply against clause no. 3.3</p> <p>There are about 5415 number 11 kV feeders catering to over 12.5 lac AP consumers. These feeders are fed from over 800 grid sub-stations. So average 11 kV feeders fed from each grid are 6 to 7. Average AP consumers per feeder are 250. So 10% of the 11 kV feeders fed from selected 100 grid sub-</p>

	<p>number of such feeders with absence of consumer metering is not known, cost estimation would be difficult.</p> <p>As a single quote is to be provided, clarify on number of AP feeders from selected 100 grid substations is required along with number of feeders which do not have 100% consumer metering.</p>	<p>stations may be in the range of 65-70 which shall be required for study T&amp;D loss levels.</p> <p>Negligible number of AP feeders have 100 % consumer/DT metering on AP motors.</p> <p>.</p>
3.	<p><b>Namdhari Eco Energies Pvt.Ltd., New Delhi.</b></p> <p>1. Average No. of Pump Feeders in each Substation.</p> <p>2. Average No. of Pumps in each feeder. Average power rating range of pumps.</p> <p>3. The average power rating of AP Feeders.</p> <p>4. Are the meters installed on HT side or LT side?</p> <p>5. Can you share the list/location of 100 Sub-stations?</p> <p>6. Is it mandatory to have two assignments of SEB/SERC etc.(will a similar work like power quality studies of SEBs/Sub-stations or T&amp;D losses assessment for PSU Companies having their own Substations etc. will be considered.</p>	<p>1. There are about 5415 number 11 kV feeders catering to over 12.5 lac AP consumers. These feeders are fed from over 800 grid sub-stations. So average 11 kV feeders fed from each grid are 6 to 7.</p> <p>2. Average AP consumers per feeder are 250. Average power rating of the pumps may vary from 5 BHP to 40 BHP (generally submersible in most parts of the State.</p> <p>3. Approximately 2.25 MW to 4.0 MW.</p> <p>4. The meters are installed on the HT side on the exclusive AP Feeders emanating from the Sub-stations. Generally consumer/DT meters have not been installed on AP motors</p> <p>5. Sub-stations will be randomly selected spread across the State and will be provided to the successful bidder</p> <p>6. RfP clause No.3.3 is self explanatory as it provides that the firm/bidder should have handled atleast two assignments of assisting the SERCs/FoR/SEBs/ Distribution Licensees in conducting studies for assessment of agriculture consumption or any assignment related to the scope of work mentioned in RfP.</p>

<p>4.</p>	<p><b>Secure Energy Services Ltd.</b></p> <p><b>Annexure III-1(c)</b>  Keeping view of the objectives, initial and final meter reading will not suffice the purpose. As such, it calls for detailed data analysis which can be carried out only if, data (Load survey of each 30 minute interval, Tamper data, History details, power interruption etc.) is downloaded from meter's memory.  As such Meter data is an important tool in diagnosing: Load pattern, Power Interruption, manipulations, consumption pattern during System abnormalities.  Annexure III-Clause 2  We understand that T&amp;D loss calculation needs 100% input and 100% output points metered data and to our information either there are Electromechanical meters or there are no meters installed on Agriculture consumers.  Metering system including Energy meter, CT, PT must be tested.  To meet the objective, it is important that Electronic Energy meter (with Open communication protocol) be installed at consumer premises.  Without ascertaining the purported performance of metering component, data sanctity and validation cannot be ensured.</p> <p><b>Annexure III-Clause 2</b>  As such conducting load flow study will not be resulting any accurate results in absence of metered data.  It is requested to delete the requirement of conducting "Load flow Study".</p> <p><b>Annexure III-Clause 3 &amp; 4</b>  It would require "apportioning", allotted to both type of loads (like % allocation). In this case, verification of AP feeders will be possible only when 100% of AP load metered.  For correct Energy accounting DT meter on LT side of Transformer is in this case, is required. We trust such type of DT meter would already be in place.</p>	<p><b>Annexure III-1(c)</b>  The clause 1(b),1(c) and 1(d) of Annexure III are self explanatory vide which in case of meter declared defective or non-functional analysis of the data downloaded from the meters and sub-station record is required to authenticate the various events affecting Pumped Energy consumption.</p> <p><b>Annexure III-Clause 2</b>  The input points of exclusive AP feeders are metered at the Substation ends and mostly no meters are provided on AP motors. Also no meters have been provided on DTs feeding the AP motors. There may be very few AP feeders with 100% metering of AP consumers.  The accuracies of CTs/PTs are not covered in the scope of RfP.</p> <p><b>Annexure III-Clause 2</b>  In the absence of 100% consumer/DT metering of AP consumers, the technical losses may be worked out with proper load flow studies of AP feeders. For assessing commercial loss on the feeder, consultants have to get the methodology approved from the Commission as per Clause 2 of Annexure III</p> <p><b>Annexure III-Clause 3 &amp; 4</b>  Presently, the Pumped energy on kandi area mixed feeders are "apportioned" on the basis of AP load and non AP load which is 30%. However, necessary check/verification for the particular feeders of the study shall have to be made in the</p>
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	<p>Required to calculate correct Energy consumption assessment. Kindly clarify.</p>	<p>scope of the work. Generally no consumer/DT metering have been provided on AP loads. Only sample meters on about 10% AP consumers have been installed.</p>
<p>5.</p>	<p><b>M/s Ernst &amp; Young, Gurgaon</b></p> <p>Clause 3.3 –Section 3 As per RFP, we understand that at least two assignments are required to secure 40 marks (20 marks for each assignment handled). <u>Suggestion:</u> We request you to please confirm that each assignment carry 20 marks and 2 assignments would be considered for evaluation purpose.</p> <p>Clause 3.3 –Section 3 As per RFP, we understand that bidder needs to propose zone wise teams (five numbers) comprising 1 no. Team Leader, 2 nos. Team Member for each team. So minimum 3 resources are required for each team. <u>Suggestion:</u> 1. We request you to please confirm that 3 CVs including 1 no. Team Leader, 2 nos. Team Member would be evaluated. 2. We suggest that team leader should be certified energy auditor instead of team member. We request you to confirm the same.</p> <p><b>Annexure III Clause 1-</b> We request you to please confirm that bidders to undertake survey of 10% of all the feeders. We request you to share the number of 11 kV AP feeders also. 1(a) For verification of the initial and final monthly readings of 11 kV AP feeders consultant shall be provided CMRI meter reading dump containing meter readings from April 2015-till date, billing database where meter readings are pushed. Please confirm. 1.(b)For verification of Multiplying Factor (MF) of each feeder, we suggest PSPCL/PSTCL to assist in providing the photo of CT/PT in order to verify the MF as it may not be practically feasible for consultant to climb up the live</p>	<p><b>Clause 3.3</b> Minimum two complete assignments related to the work are required to qualify. However, the allocation of score shall depend on number of assignments as per the criterion approved by the Commission as per regulation 3(C) of PSERC (Engagement of Consultants) Regulations, 2012.</p> <p>Clause 3.3 –Section 3 Necessary Corrigendum has been issued to clarify further.</p> <p><b>Annexure III Clause 1-</b> There are about 5415 number 11 kV feeders catering to over 12.5 lac AP consumers. These feeders are fed from over 800 grid sub-stations. So average 11 kV feeders fed from each grid are 6 to 7. Average AP consumers per feeder are 250. So 10% of the 11 kV feeders fed from selected 100 grid sub-stations may be in the range of 65-70 which shall be required for study T&amp;D loss levels.</p>

<p>equipments. Please conform.</p> <p><b>Annexure-III: Clause 4</b>  As per Scope of work bidder would undertake survey of only 10% of AP feeders, so sample checking of AP consumers shall be restricted to 10% of such AP consumers where PSPCL claiming that they are being fed by urban feeders.  Request to share the number of AP consumers which are being fed from urban feeders.  We request that field data captured by bidder shall be validated by PSPCL/PSTCL within 10 days of submission the field data to utility.</p> <p><b>Annexure-III: Point No.2:</b>  You would appreciate the load flow studies can be taken up on field survey data. Considering the time duration of 3 months, field survey is difficult to undertake in 3 months. We request you to exclude load flow study work from scope of bidder.</p> <p><b>Additional Queries:</b>  <b>Limitation of Liability:</b>  8. May we request you to please add the following to RfP:  “Client (and any others for whom Services are provided) shall not recover from EY, in contract or tort, under statute or otherwise, any amount with respect to loss of profit, data or goodwill, or any other consequential, incidental, indirect, punitive or special damages in connection with claims arising out of this Agreement or otherwise relating to the Services, whether or not the likelihood of such loss or damage was contemplated. Client (and any others to whom Services are provided) shall not recover from EY, in contract or tort, including indemnification obligations under this contract, under statute or otherwise, aggregate damages in excess of the fees actually paid for the Services that directly caused the loss in connection with claims arising out of this Agreement</p>	<p>The clause 1(b),1(c) and 1(d) of Annexure III are self explanatory vide which in case of meter declared defective or non-functional analysis of the data downloaded from the meters and sub-station record is required to authenticate the various events affecting Pumped Energy consumption.</p> <p><b>Annexure-III: Clause 4</b>  PSPCL claims that about 12000 number of AP consumers are fed from 11 kV urban feeders.</p> <p><b>Annexure-III: Point No.2:</b>  The clause is self explanatory. PSPCL/ PSTCL is not to validate the data rather their data is to be validated by the Consultant as per scope of work given in RfP.</p> <p><b>Additional Queries:</b>  The Model Contract for engagement of consultants shall be as per Annexure 1 of PSERC (Engagement of Consultants) Regulations, 2012</p>
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or otherwise relating to the Services”

**9. Report:**

May we request you to please add the following to Rfp

Any information, advice, recommendations or other content of any reports, presentations or other communications we provide under this Agreement (“Reports”), other than Client Information, are for Client’s internal use only (consistent with the purpose of the particular Services) including Client’s board of directors, the audit committee, or its statutory auditors and not for disclosure externally outside your organization. Client may not rely on any draft Report and EY shall not be required to update its Final Report.

**10. Governing Law:**

May we request you to please add the following to RfP:

“This Agreement shall be governed as per the Laws of India”

**11. Governing Law:**

May we request you to please add the following to RfP:

“Any unresolved disputes under this Agreement shall be subject to the exclusive jurisdiction of Courts at New Delhi, India.”

**12. Termination:**

May we request you to please add the following to RfP

“Either Party may terminate this Agreement immediately by giving notice to the other party. Upon termination EY shall be entitled to receive payments of the Services performed, work in progress and expenses incurred by it, till the date of such termination.”

**13. General Query:**

Kindly let us know the budget of this opportunity.