

Queries raised during Pre Bid Meeting of AgDSM Project at Patiala, Punjab

- 1. Can we quote the model from the list submitted for approval for star labeling to BEE?**

The bidders are not supposed to submit a cost break-up but would bid on a lump sum cost. Bidders can replace pumps with higher efficiencies subject to the pumps getting star labeling till the date last pump is replaced. If the pumps do not get star rating till that date (i.e. 6 months since signing the contract), AgIA must take corrective action.

- 2. If Star pumps are not available and AgIA not able to install all 2186 pumps then, value should be reduced equivalent to the cost of that particular model, and not average.**

If a star rated pump is not available for a particular design characteristic, with any pump manufacturer, then an ISI rated pump needs to be installed. But the onus of proving non availability of pump lies with the AgIA

- 3. The term of the project shall be for a period of 66 months i.e. 5 years from the date of completion of replacement of all the existing pumps with EEPS. If few pumps could not be installed due to practical problems (like non acceptance to install EEPS by farmer), what will be the agreement period for problems beyond AgIA's control?**

The AgDSM scheme is voluntary for the farmers. If a farmer does not agree even after convincing by AgIA and PSPCL a letter to same effect should be obtained by AgIA from farmer and same is needed to be submitted to PSPCL. Thus in case the pumps are not replaced for problems outside their control, the same should be notified to PSPCL and could be removed from the scope of the project in mutual consensus with PSPCL.

- 4. Audit data furnished on the website is from 2009, same data should be considered for the pump selection or AgIA should again do the audit? If again audit has to be done who will bear the cost of the audit.**

As mentioned, the DPR is indicative; the field conditions might have changed since the time of preparation of DPR. The AgIA is responsible to provide the farmers with pumps with the same discharge as before replacement. AgIA pumpset selection should be based on this parameter.

- 5. Average annual hours of operation of pump sets – 1480 Hours. If actual operating hours are less than 1480 Hrs, what will be the effect on AgIA? If actual operating hours are more than 1480 hours, what will be benefit to AgIA?**

The performance of the pumps would be evaluated only on the basis of the instantaneous reading. Thus the change in hours of operation would not have any effect on AgIA

- 6. If power supply quality is not good, How AgIA will be compensated for Pump failures, non achievement of savings, etc?**

The voltage levels in the project area are within acceptable levels. PSPCL could not be held responsible for pump failure and non performance arising due to change in voltage level. PSPCL however assured that the voltage levels on the project feeders are maintained at acceptable levels.

- 7. Will PSPCL furnish rent-free covered space at its sole responsibility, for storage of AgIA partner's material during construction and maintenance thereafter until the tenure of this agreement - Can AgIA store the pumps, spares, other material rent free till the end of the agreement period of 5 years?**

Contractually PSPCL is not required to provide a rent free covered space. PSPCL however, is willing to consider this proposition by the AgIA when a formal request is raised.

- 8. What about theft of the EEPS in contract period? What about the savings in case of theft**

If the ownership of the pumps is transferred to farmers, they would be contractually liable to replace the EEPS with an equivalent star rated pump. Upon formal request by AgIA, PSPCL might consider dropping these pumps from the 10% sample used to calculate future energy savings.

- 9. Proposed Changes – The bidder may suggest additions or changes to the economic and/or operating terms and conditions presented in the RFP - Will it be considered if proposed changes incur extra cost which will be required to increase the Bid / Tender value, helping to achieve more savings?**

The project cost and the minimum amount of savings has been fixed. The bidders are free to suggest any other changes

- 10. Will EMD of the successful bidders will be retained as Security Deposit and will form part of the total security deposit? OR total security deposit amount will be equal to EMD+Security Deposit?**

The EMD would be returned after the bid evaluation and the bidder needs to provide a separate bid guarantee

- 11. Is Bank Guarantee & Security Deposit one & same?**

Yes

- 12. Is all the pumps are metered? if not metered? How the base line energy consumption is measured / finalized though the pumps which are not metered?**

The saving would be measured on instantaneous readings pre (old pump readings) and post installation of EEPS. The savings would be calculated purely on the basis of wattage. The pre installation reading would give the required baseline.

- 13. Are all the pumps have separate transformer and sealed meter for each pump? What about theft of power?**

Yes, all the pumps have separate transformers but not sealed meters for each one. The saving would be measured on instantaneous readings pre (old pump readings) and post installation of EEPS. The savings would be calculated purely on the basis of wattage. Thus theft of power should not be a concern for the bidders.

- 14. Generally farmers are using Flexible pipes, low size pipes for delivery line . This is going to affect the Frictional Head ultimately affecting the efficiency. Service wires and fuse protections are not of appropriate size. Also most of the pump sets & distribution boxes are provided without earthing, these are going to affect efficiency too and ultimately on energy savings. There is no any cost considered in the bid for the same. These costs need to be considered?**

The savings have been only calculated based on replacement of old pumps with new EEPS. The rest of the system is kept the same. AgIA is responsible to repair the new EEPS once they are damaged. AgIA are already sufficiently compensated to provide R&M services.

- 15. If AgIA do not have star label pump for particular HP, what is the solution?**

Bidders can replace pumps with higher efficiencies subject to the pumps getting star labeling till the date last pump is replaced. If the pumps do not get star rating till that date (i.e. 6 months since signing the contract), AgIA must take corrective action.

- 16. How the Borewell water levels are determined, actual measurements are done or based on farmers inputs. If these are on farmer's input then it results into inaccuracy in Head calculation leading to wrong pump selection and energy savings.**

Selection of proper pumpset is a responsibility of the AgIA. It should be noted that the reading noted in the DPR and the implementation report are indicative. The same could have changed due to change in pumpset/ repairs carried out, seasonal change

- 17. Intermittent power failures are observed frequently. This leads to pump failures as well as less Energy Savings. How AgIA will be compensated for this?**

The voltage levels in the project area are within acceptable levels. PSPCL could not be held responsible for pump failure and non performance arising due to change in voltage level.

- 18. Due to No Water or very low water at Suction, Pumps tend to suck silt along with water which affects the efficiency. How & Why AgIA to be held responsible for repair of this?**

The performance of the pumps would be evaluated only on the basis of the instantaneous reading. Thus reduction in performance due to low water should not be a concern to bidders.

- 19. Pumps operate at site on Auto mode – Due to severe load shedding, farmers have made provision to keep Pumps always ON by defeating interlocks so that whenever power comes, pumps are made ON automatically to pump water during availability of power. This may lead to damage of pumps. How AgIA will be responsible for damage of such pumps? And how PSPCL will ensure this would not happen?**

The project area gets 8 hours of continuous power for most of the time in year. Thus this situation is not pertinent currently. The performance of the pumps would be evaluated only on the basis of the instantaneous reading. Thus reduction in performance due to auto on mode should not be a concern to bidders

- 20. Pumps are merely placed on temporary supports. This affects Pump Performance and life too. If it needs to be modified who will bear the cost? These costs are not considered in DPR.**

The savings have been only calculated based on replacement of old pumps with new EEPS. The rest of the system is kept the same. The performance deficit due to temporary support would remain the same for both the old pump and new EEPS

- 21. In case of submersible pumps, while dismantling and installation of EEPC, if borewell collapse? Who will be responsible i.e. will bear the cost?**

AgIA would bear the cost.

- 22. Pump Prices considered for the DPR assumed for are very low. Needs to be reconsidered with present market prices.**

Other bidders present at the pre-bid have found the cost reasonable.

- 23. Pump dismantling and installation charges considered in DPR are very low. Needs to be considered with present market prices.**

The cost have been estimated based on our interaction with various pump manufacturers and dealers.

- 24. Who will bear the cost of Dismantling & Re-Installation of Pump when installed EEPS Pump fails during 5 year contract period?**

The cost is the part of R&M charges paid to the AgIA

- 25. In Bid document it is one of the conditions that PSPCL shall ensure good power supply quality and load management system in pilot area. What type of system is now available there on site?**

The current electricity system on the site is High Voltage Distribution System (HVDS)