

PROJECT: - 3x660 MW NPGCPL NABINAGAR STPP (FGD PKG)

PACKAGE: - AGITATORS/STIRRERS

ENQUIRY NO.: - PE/PG/NB2/E-6546/2020, Dtd. 30/10/2020

Corrigendum - 03

Pre-bid clarification for information of all prospective bidders are attached herewith.

Due date for submission of offer extended up to 14.12.2020 (02.00 P.M) and bid opening up to 14.12.2020 (03.00 P.M).

Please ensure your submission of offer before due date and time.

ANNEXURE A - CLARIFICATION ON PRE BID QUARIES

S.No	Section/Clause/ Page No.	Statement of the referred clause	Clarification required	Resolution
1	Technical specification part 2 – Agitator schedule - 83820/2020/PSPEM- Max pg no. 147 – 20 c)	Power No. 0.3 to 0.35	We request to remove this clause: as We do have different types of impellers in our range with varied power no. & flow numbers. Selection of the agitator, based on power number is not a good design practice, as it won't provide any optimization to the process. Power number of one particular make of agitators may not suit another, as the design of agitators are based on various parameters as explained above. Impeller Power numbers have been calculated based on the experimental simulations, for the particular application requirements; Selection cannot be considering power number as a main criteria, as it is the function of many other parameters as mentioned above. We select most optimal solutions considering all the parameters effecting the flow and the power of the agitator. We will Design Most Optimum Impeller, which will be most reliable, Efficient & high performing for the process requirement.	Bidder can choose the Power Number depending upon the Impeller Type being chosen so that a better efficient Agitator can be offered. However, kindly note that other requirements of the technical specification including guarantee parameters shall be taken care.
2	Technical Specification Part 1.10, Inspection & Testing –Point no. 7&8 pg no. 55	Mechanical Run Test Air & Water	For Top Entry Agitator, Mechanical Run Test only possible at the site, Side entry agitators can be done only on water (Pressurized Tank)	The Mechanical run test for agitators shall be carried out with air/water along with other test requirement inline with the QAP to be approved by customer during detail engineering. Bidder to comply technical specification.
3	Technical specification part 2 – Agitator schedule - 83820/2020/PSPEM- Max pg no. 146 – 12 b& c & 20a) pg no. 147	98% of solid suspension for Drain pits with solid size 6-7 mm ,	98% solid suspension cannot be guaranteed to tanks having solid particles 6-7 mm, as design parameters go out of our safe selection ranges, these particles will tend to settle in the bottom. Other tanks with 75 Micron solid particles we will comply to specification.	Please note that the normal solid particle size (as given in the agitator schedule) shall be used for designing agitators in all the tanks and sumps.
4	Technical specification part 1B) 2 Seal for Vertical agitators - Construction feature- Pg no. 46	Seal requirement for Vertical Agitators stuffing box.	In Agitator schedule, it is mentioned that seals not required, we are not considering any sealing / stuffing box / packing.	Bidder to follow technical specification along with agitator schedule for the requirement of sealing/stuffing box.
5	Technical specification Part 1, 4.2 construction feature point L) vii , pg no. 49	Dynamic balancing of shaft	Dynamic balancing not applicable shafts of Top Entry Agitators we will be doing static balancing, we will conducting dynamic balancing of all side entry agitators	Applicability of dynamic Balancing shall be decided during detail engineering based on the applicable codes and standards furnished by the bidder. Bidder to comply technical specification.

Relu
04.12.2020

Jayan Roy
04/12/2020

Signature
04/12/20