

| Vendor shall furnish the following details and submit along with technical offer |  |                   |
|--|--|-------------------|
| No.  | TECHNICAL CLARIFICATION  | Vendor to Confirm |
| 1  | <b>Kindly confirm the following clarification in relation to the preliminary design done by the yard:-</b>   |                   |
| a)   | List the calculated dimension, engine power, gear, gen set etc., if different from the guideline bid specification.  |                   |
| b)   | What is the mechanism for steering gear proposed?  |                   |
| c)   | Will there be provision of a canopy to protect the bullets from weather?   |                   |
| d)   | Will the yard employ 3D modelling based production engineering?  |                   |
| e)   | Will a `read-only` model be shared with the client for mark-ups and project discussions?   |                   |
| f)   | A part from the other drawings, can production drawings softcopy be shared on a progressive basis as a supporting document to weekly reports?  |                   |
| g)   | Is CNC cutting for production envisaged? If so, kindly inform to what extent CNC cutting will be used.   |                   |
| 2  | <b>Kindly confirm the yards responsibility to get the required permission from all statutory bodies including class/ MMD, local bodies (such as IV/ Kerala Maritime board). The statutory fees shall be paid by FACT. For the Ammonia barge of this capacity, if any pollution certificates are found applicable at a later point time, yard needs to ensure compliance.</b> |                   |
| 3  | <b>Kindly clarify the mode of transportation of the barge from yard to delivery site at Cochin? Please note that it is the responsibility of the yard has to facilitate the necessary certificates needed for one-time voyage.</b>   |                   |
| 4  | <b>Kindly confirm/ clarify the points in relation to construction of the barge.</b>  |                   |
| a)   | Kindly confirm the location of barge construction.   |                   |
| b)   | Will the fabrication be a single skid based/ block-wise modular construction will be employed?   |                   |
| c)   | Is the production going to be under a fully covered shed, till launching?  |                   |
| d)   | Does the yard have an enclosed painting facility?  |                   |
| e)   | What are the methods for humidity control?   |                   |
| f)   | Has the yard got sea trial facilities nearby?  |                   |
| 5  | Kindly confirm whether the yard have provision for safe storage of ammonia bullets, in case their delivery is ahead of vessel production schedule?   |                   |
| 6  | Has the yard got a dedicated Weight control engineer? How frequently will the weight control report be updates be sent to the client?  |                   |
| 7  | <b>Kindly confirm the following points in relation to the periodic project progress report that will be shared with the owner.</b>   |                   |
| a)   | What is the frequency?   |                   |
| b)   | Can you share a sample/ blank document with relevant headers?  |                   |
| 8  | <b>Kindly confirm the following point in relation with the areas of outsourcing, if any-</b>   |                   |
| a)   | Has the yard got an in-house dedicated design team/ a nominated company?   |                   |
| b)   | Are they in house/ consultants/ subcontractors.  |                   |
| c)   | Please specify the credentials & share MOU if any.   |                   |
| 9  | <b>Kindly provide the status of currently awarded projects and recently concluded projects indicating the following points:</b>  |                   |
| a)   | Keel Laying date, Delivery date, progress/ estimated delivery, comments on delays of any etc.  |                   |
| 10   | <b>Kindly provide the project schedule indicating the following stages:-</b>   |                   |
| a)   | Design and approval process.   |                   |
| b)   | dependency between design milestones and production schedule.  |                   |
| c)   | Critical machinery ordering and lead time.   |                   |
| d)   | Confirm the dock availability status in case the production gets delayed due to pandemic.  |                   |
| e)   | Any dependency on other vessels sharing the dock, for undocking.   |                   |