

| SCHEDULE OF PRE-BID CLARIFICATION                                                                                         |                                                   |                                     |          |                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                            |                                                                                                                                                                                                                                   |
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| All clarification from the Technical Specification shall be filled in by the BIDDER clause by clause in this format only. |                                                   |                                     |          |                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                            |                                                                                                                                                                                                                                   |
| VOLUME                                                                                                                    | SECTION                                           | CLAUSE NO.                          | PAGE NO. | SPECIFICATION REQUIREMENT                                                                                                                                                           | CLARIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | REASONS FOR CLARIFICATION  | BHEL REPLY                                                                                                                                                                                                                        |
| <b>PROCESS QUERIES:</b>                                                                                                   |                                                   |                                     |          |                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                            |                                                                                                                                                                                                                                   |
| Technical Specification for Effluent Treatment Plant                                                                      |                                                   |                                     |          | Date sheet for Effluent Treatment Plant                                                                                                                                             | Kindly, Prove all the sump depth for<br>1)Oily waste Transfer pumps<br>2)coal mill oily waste transfer pumps<br>3)coal mill oily waste transfer pumps<br>4)Oily waste Transfer pumps<br>5)coal mill oily waste transfer pumps<br>6)coal mill oily waste transfer pumps<br>7)Pre-settling over flow pumps-I<br>8)Pre-settling over flow pumps-I<br>9)Power house area service water transfer pump-I<br>10)Power house area service water transfer pump-I<br>11)TPI -overflow water Transfer sump<br>12)Sludge Transfer pumps<br>13)Central monitoring basin<br>14)Guard pond Twin compartment | To calculate the Pump Head | Bidder to refer Note no. 9 in P & ID of ETP for sl. No. 1,2,3,4,5,6,7,8,9,10. For sl no. 11 & 12 bidder to decide as per process and system requirement. Depth of CMB and guard pond has been already indicated in P & ID of ETP. |
| Technical Specification for Effluent Treatment Plant                                                                      | SPECIFICATION NO.PE-TS-412-164-A001               | Section-I                           | 141/405  | Date sheet -A Effluent Treatment Plant                                                                                                                                              | Please, Provide MOC of Slop oil storage Tank                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | For bidder's confirmation  | MOC of Slop oil storage Tank shall be CS with epoxy painted.                                                                                                                                                                      |
| Technical Specification for Effluent Treatment Plant                                                                      |                                                   |                                     | 148/405  | Plot plan                                                                                                                                                                           | Please Clarify the distance from chemical stoarge tank to cental monitoring basin and guard pond.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | For bidder's confirmation  | Distances shall be decided by bidder as per ETP layout generated by bidder during details engineering.                                                                                                                            |
| Technical Specification for Effluent Treatment Plant                                                                      | SPECIFICATION NO.PE-TS-412-164-A001               | Section-I                           | 17/405   | Scope of supply                                                                                                                                                                     | Please provide the Electric hoist and chain pulley block weight specification.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | For bidder's confirmation  | Technical specification is clear.                                                                                                                                                                                                 |
| Technical Specification for Effluent Treatment Plant                                                                      | SPECIFICATION NO.PE-TS-412-164-A001               | SPECIFICATION NO.PE-TS-412-164-A001 | 27/405   | TECHNICAL REQUIREMENT OF EFFLUENT TREATEMNT PLANT                                                                                                                                   | The flash mixer and flocculator will be in Clarifier and HRSCC not in tube settler.Kindly clarify the scheme provided.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | For bidder's confirmation  | Technical specification is clear.                                                                                                                                                                                                 |
| Technical Specification for Effluent Treatment Plant                                                                      | SPECIFICATION NO.PE-TS-412-164-A001               | SPECIFICATION NO.PE-TS-412-164-A001 | 27/405   | TECHNICAL REQUIREMENT OF EFFLUENT TREATEMNT PLANT                                                                                                                                   | Please,provide the agitator MOC of flash mixer and flocculator.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | For bidder's confirmation  | Technical specification is clear.                                                                                                                                                                                                 |
| Technical Specification for Effluent Treatment Plant                                                                      |                                                   |                                     |          |                                                                                                                                                                                     | Kindly provide the specification for valve and piping as per the service.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | For bidder's confirmation  | Bidder to follow tender specification.                                                                                                                                                                                            |
| <b>ELECTRICAL QUERIES:</b>                                                                                                |                                                   |                                     |          |                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                            |                                                                                                                                                                                                                                   |
| Technical Specification for Effluent Treatment Plant                                                                      |                                                   |                                     |          | General                                                                                                                                                                             | Kindly provide the overall ETP plant control system configuration diagram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | For bidder's confirmation  | Bidder to note that ETP shall be controlled from DDCMIS (BHEL scope) hence configuration diagram is not applicable for bidder.                                                                                                    |
| Technical Specification for Effluent Treatment Plant                                                                      | SECTION - IC SPECIFIC TECHNICAL REQUIREMENTS- C&I |                                     | 171/405  | Interface of MCC, HT SWGR, Field Instruments, Solenoid Valves, actuators etc. with DCS based control system shall be as per Drive Control Philosophy enclosed in the specification. | Kindly confirm whether the ETP plant PLC to main plant DCS interconnection is in bidder scope or not.If it is in bidder's scope kindly provide the distance between PLC and DCS panel.                                                                                                                                                                                                                                                                                                                                                                                                       | For bidder's confirmation  | Bidder to note that ETP shall be controlled from DDCMIS (BHEL scope) hence PLC is not applicable. Scope of cable has already been indicated in Electrical scope sheet.                                                            |
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