Annexure- 2

Technical Data Sheet for Tanks with Inner Lining

| Sl.No. | Description/Designation | Process Water Tank | Effluent Storage Tank | Recovered Water Tank | 95% Conc H2SO4 Acid Tank |
| --- | --- | --- | --- | --- | --- |
| 1 | Installation | Outdoor at ground level | Outdoor at ground level | Outdoor at ground level | Outdoor at ground level |
| 1a | Area | FGTR plant area | Acid Plant area | Acid Plant area | Acid Plant area |
| 2 | Type | Covered and Vertical cylindrical | Covered and Vertical cylindrical | Covered and Vertical cylindrical | Covered and Vertical cylindrical |
| 3 | Qty. | One (1) | One (1) | One (1) | One (1) |
| 4 | Storage Medium | 0.25% H2SO4 solution | 10% H2SO4 solution | 0.25% H2SO4 solution | 95% H2SO4 solution |
| 5 | Material of construction | IS 2062 Gr B with FRP lining | IS 2062 Gr B with FRP lining | IS 2062 Gr B with FRP lining | IS 2062 Gr B with FRP lining |
| 6 | Thickness of FRP Lining | 3mm | 3mm | 3mm | 3mm |
| 7 | Not used |  |  |  |  |
| 8 | External Fasteners and reinforcement | Carbon Steel | Carbon Steel | Carbon Steel | Carbon Steel |
| 9 | Internal ladder MOC | Carbon steel with Lining | Carbon steel with Lining | Carbon steel with Lining | Carbon steel with Lining |
| 10 | External ladder | Carbon steel with Lining | Carbon steel with Lining | Carbon steel with Lining | Carbon steel with Lining |
| 11 | FRP material Supplied by | Bidder | Bidder | Bidder | Bidder |
| 12 | Capacity  (Net) | 50.0 M3 | 50.0 M3 | 50.0 M3 | 50.0 M3 |
| 13 | DIA X HEIGHT ( M X M ) | 4.5 X 3.6 | 4.5 X 3.6 | 4.5 X 3.6 | 4.5 X 3.6 |
| 14 | Thickness, mm (Bottom plate, Shell, Roof ) | 10,6,6 | 10,6,6 | 10,6,6 | 10,6,6 |
| 15 | Design Standard | IS-803 or Equivalent | IS-803 or Equivalent | IS-803 or Equivalent | IS-803 or Equivalent |
| 16 | Design Pressure | Atmospheric | Atmospheric | Atmospheric | Atmospheric |
| 17 | Design Temp. | 60 Deg C | 60 Deg C | 60 Deg C | 60 Deg C |
| 18 | Manholes with lifting lug, cover, bolts, nuts, gaskets | Yes | Yes | Yes | Yes |
| 19 | All nozzles with counter flanges | Yes | Yes | Yes | Yes |
|  |  |  |  |  |  |
| 20 | Earthing pad | Yes | Yes | Yes | Yes |
|  |  |  |  |  |  |
| 21 | Nozzle sizes& qty. | Yes | Yes | Yes | Yes |
|  |  | Steel nozzles shall be lines with FRP on the inside or suitable material selected. | | | |
| 22 | Instruments | No | No | No |  |