

Addendum –

**FOSRBY-RFP-62-24/25 - FOR THE DESIGN, SUPPLY, INSTALLATION, COMMISSIONING AND TRAINING FOR THE A-TRAIN - DEMINERALISATION PLANT**

**Items highlighted in red denote the changes/additions:**

**Section C3: Foskor Specifications**

Number	Title / Description	Version	Applicable
<b>OTHER</b>	<b>STANDARDS on this Tender</b>		
<b>APPLICABLE</b>	<b>FOSKOR SPECIFICATION on this Tender</b>		
<b>E003</b>	Industrial Electrical Installations	Latest	<b>Yes</b>
<b>EC1</b>	Installation, Testing and Commissioning of Electrical Equipment	Latest	<b>Yes</b>
<b>FC005</b>	General Earth Works to Plant and Building	Latest	
<b>FD001</b>	Design Criteria for Structures	Latest	
<b>FG001</b>	General Requirements for Projects	Latest	<b>Yes</b>
<b>FL001</b>	Design & Fabrication Criteria for Ladders & Walkways	Latest	<b>Yes</b>
<b>FM001</b>	General Mechanical Specification	Latest	<b>Yes</b>
<b>FM003</b>	Welding of Fabricated Equipment	Latest	<b>Yes</b>
<b>FQ001</b>	General Engineering Quality Requirements	Latest	<b>Yes</b>
<b>FS 001</b>	Specification for the Fabrication & Erection of Structural Steel Work	Latest	<b>Yes</b>
<b>GM5</b>	Pipe Standards Including Auxiliary Equipment	Latest	<b>Yes</b>
<b>GM6/COP9</b>	Engineering Drawing and Document requirements	Latest	<b>Yes</b>
<b>GQ1</b>	Quality Control Procedure for Contractors	Latest	<b>Yes</b>
<b>GS1</b>	Structural Steelwork and Plate Work Fabrication and Erection	Latest	
<b>MC001</b>	Corrosion Protection Colour Coding	Latest	<b>Yes</b>
<b>MC004</b>	General Plant Painting Specification Low Temperature	Latest	<b>Yes</b>
<b>MC006</b>	Repair/Touch-up of Damaged Steelwork	Latest	
<b>MC009</b>	General Plant Protection High Corrosive Areas	Latest	<b>Yes</b>
<b>SS-000000-C-006</b>	General specification for concrete construction	Latest	
<b>SS-000000-C-007</b>	Concrete specification	Latest	
<b>SS-000000-C-012</b>	Grouting	Latest	<b>Yes</b>
<b>SS-000000-Q-001</b>	General quality requirements	Latest	<b>Yes</b>
<b>SS-000000-S-001</b>	Fabrication and erection of structural steelwork	Latest	
<b>DD-000000-C-001</b>	Civil design criteria	Latest	<b>Yes</b>
<b>DD-000000-S-001</b>	Structural design criteria	Latest	
<b>ASTM C-279</b>	Standard Specification for Chemical-Resistant Masonry Units		

ASTM C20	Standard Test Methods for Apparent Porosity, Water Absorption, Apparent Specific Gravity, and Bulk Density of Burned Refractory Brick and Shapes by Boiling Water		
ASTM C133	Standard Test Methods for Cold Crushing Strength and Modulus of Rupture of Refractories		
ASTM C373	Standard Test Method for Water Absorption, Bulk Density, Apparent Porosity and Apparent Specific Gravity of Fired Whiteware Products		
DIN 28062	Building Materials for Brick Lining; Classification, Properties, Testing		
DIN EN 993-1	Determination of Bulk Density, Apparent Porosity and True Porosity		
DIN 51067	Determination of the Crushing Strength at Room Temperature (CCS) on Refractory Materials		
DIN 51068 Part 1	Determination of the Resistance Against Thermal Shock		
DIN 51102 Part 2	Determination of the Resistance Against Sulphuric Acid		

#### C.4. Project Requirements

*Highlighted sections are amended.*

The following deliverables are required:

- Design, Supply, Delivery, Installation (incl. on site civil works), Testing & Commissioning and Training for the replacement of the Foskor A train Demineralization vessels.
- Removal of existing A train vessels to be replaced.
- Design of the vessels by a Design Engineer in accordance with **SANS 347** and/or applicable code/s,
- All associated parts such as: feed and discharge Piping & fittings, valves, instrumentation, electrical and civil requirements.
- As built drawings wherever applicable.
- Supply of all material, equipment, tools, consumables and trained labor.
- Supply of Cation and Anion ion exchange resins.
- Sourcing and supply of transport and crantage.
- Submission of detailed Quality Control and Assurance information such as data books, quality control plans, design calculations, as built drawings, material certificates.
- Provision of nameplates for the equipment.
- Since this is a regulated equipment, fabrication and installation supervision is required. **Supplier to have a minimum Level II Manufacturing Inspector.**
- AIA Inspector will be provided by Foskor for inspections and approvals.**
- Compliance at all times to the Foskor SHE requirements and permit systems.

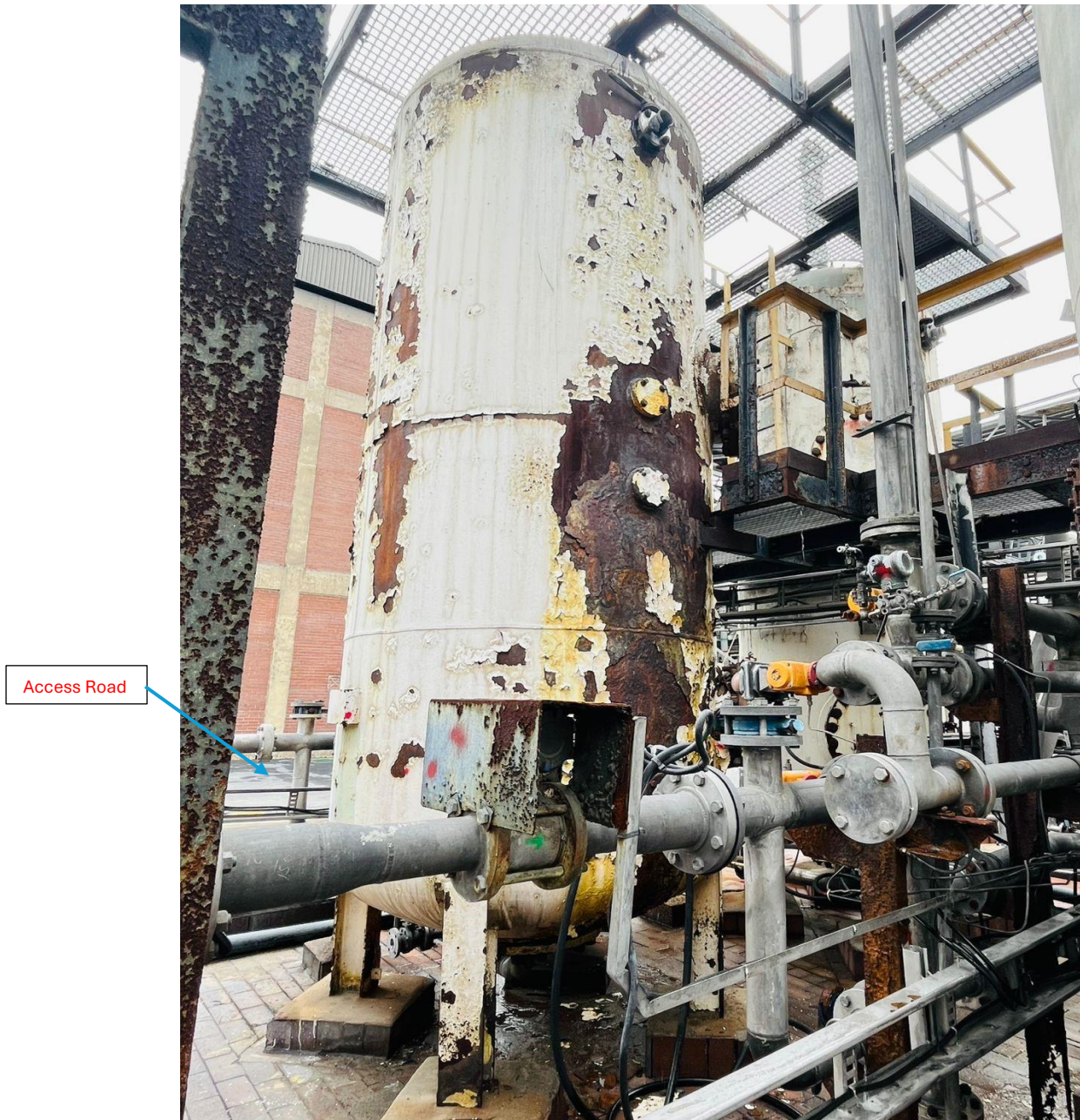
### C.7.2 Site Conditions

*Pictures added to section.*



*Figure 1: A Train Front View*





*Figure 2: A Train Rear View*





*Figure 3: A Train Side View*