

**CORRIGENDUM**

**NOTICE INVITING TENDER NO. : N-III/A/PC/1(28)/349 Dated 07.05.2020**

**NAME OF WORK : Unloading and loading of 50.00 M<sup>3</sup> of Catalyst from HT CO Shift Converter along with 2.975M<sup>3</sup> of Alumina balls of various sizes, segregation of alumina balls from the unloaded lot and reload into the converter along with fresh catalyst"**

The specification of High temperature (HT) converter and its catalyst are given below for the convenience of the bidder.

**HT-SHIFT CONVERTOR SPECIFICATION**

TYPE	: Packed Bed
No reactor	: One
Dia of the vessel (ID, mm)	: 3294
Vessel Height (Tan to Tan), mm	: 10000
No of catalyst Beds	: 2 (Two)
Catalyst Packed height (mm, each bed)	: 2950

MOC : Shell and Heads : SA387 GR12 CL2

Wire Mesh : 6 Mesh81 Dia

Wire Material : A1S1-304

Support Grate : SA387 GR12 CL

**CATALYST SPECIFICATION**

Size	: 6 (Dia) x 6 (Ht) mm
Shape	: tablet
Volume	: 50.0 m3
Density	: 1.14 Kg/lit
Chemical Composition	: Fe <sub>2</sub> O <sub>3</sub> = 85-90%
	Cr <sub>2</sub> O <sub>3</sub> = 7-9%
	CuO = 1-2%

### **TECHNICAL SPECIFICATION ALUMINA BALLS ( Standard Grade)**

Al <sub>2</sub> O <sub>3</sub>	: More than 99%
SiO <sub>2</sub>	: Less than 0.5%
Fe <sub>2</sub> O <sub>3</sub>	: Less than 0.2%
Na <sub>2</sub> O + K <sub>2</sub> O	: Less than 0.3%
Chlorides	: Less than 50 ppm
Sulphur	: Less than 50 ppm
Arsenic	: Less than 50 ppm
Cobalt	: Less than 0.1%
CaO + MgO	: Less than 0.2%
1. Volume	: 2.975m <sup>3</sup>
2. Size	: 12 mm
3. Specific gravity	: More than 2.70%
4. Apparent porosity	: Less than 20 %
5. Acid resistivity	: Not less than 99.5%
6. Alkali resistivity	: Not less than 99.5%
7. Water absorption	: Less than 5% by wt
8. Crushing strength	: 300 Kg
9. Allowable tolerance	: ± 1.0 mm
10. Thermal resistance	: 500°C (Minimum)