

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 M³ of Catalyst from HT CO Shift Converter along with 2.975M³ 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 ₂ O ₃ = 85-90%
	Cr ₂ O ₃ = 7-9%
	CuO = 1-2%

TECHNICAL SPECIFICATION ALUMINA BALLS (Standard Grade)

Al ₂ O ₃	: More than 99%
SiO ₂	: Less than 0.5%
Fe ₂ O ₃	: Less than 0.2%
Na ₂ O + K ₂ 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 ³
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)