

Technical Specification for Re-Pulper Tank Agitators (6V-5A¹/C/D)

1. Design Basis

- Service : Washed Leach Filter Cake Slurry.
- Tang No. : 6V-5A.
- Duty : Uniform Mixing / Solid suspension
- Tank Details : Diameter Ø 3.6m X 4.0 m SWD + 0.5 m FB.
- Process Feed Component : Repulper Slurry.
- Slurry S.G. : 1.40 (For design)
- Design Temperature : 65°C.
- Design Pressure : ATM + Full of Liquid

2 Other Technical Specification:

- Electric Motor : 11.0 kW, 1500 RPM (04 Pole).
- Gear Box : Heavy Duty Helical Type, Ratio: 26.31:1.
- Agitator Speed : ~57 RPM.
- Agitator Shaft : 5" Sch 40 seamless pipe shaft X ~4400 mm long below mounting.
- MOC for Shaft : Hardened Steel.
- Impellers : a. Upper Ø1525mm -03 Bladed, Hi-Efficiency Type.
b. Lower Ø1080mm, 04 Bladed Kicker Type.
- No. of Impeller : 02 (Two).
- MOC for Impeller : cast Steel.
- Shaft Sealing Arrangement : N.A.
- Method of Mounting : On Structural Steel Support.
- Baffles : Required. 04 Nos. width=300mm
- Bottom Bush support : N.A
- Agitator Type of Entry : Top
- Qty. of Agitator per Tank : 01 No.

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