

Revised **ANNEXURE-A**

**Electro-Mechanically Operated Rectangular Port Knife Edge Gate Valve**

Valve Type	: Electrical morotized Actuator operated with declutch able manual override
Design	: 2 piece construction
Flow Direction	: Bi-directional
End	: Rectangular
Size	: 1000 X 300 mm
Stroke Length	: 300 mm
Seat	: Resilient seated
Gland Packing	: Packing-less Gland design
Shut-Off Details	: Leakage Class VI

**Process Condition-**

Location	: Neutralization Tank Discharge Launder
Fluid	: Siliceous Uranium Slurry
Proces Flow	: 250-300 m <sup>3</sup> /hr by gravity
Fluid Temperature	: 40-50° C
Pulp Density	: 1.3-1.4
pH of SluAry	: 1.5-9.5

**MOC-**

Valve Body	: SS 304 + Hard Chrome Plated
Valve Gate	: Hard Chrome plated SS 316
Yoke	: Mild Steel (IS 2062)
Stem	: SS 304
Valve Sleeve	: Natural rubber with metallic Reinforcement ( 100% Tight Shut off )
Fasteners	: SS 304
Piston Rod	: SS 304
Shell Test Pressure	: 10 Bar

**Actuator-**

Type	: Electro-mechanically ON-OFF type with Integrated Starter and position indicator
Voltage Rating	: Voltage-440 V, AC 3 Phase, Frequency-50Hz
Enclosure	: IP 68
Motor Duty	: S2-15 Minutes
Motor Insulation	: Class-F limited to Class-B
Position Indicator	: Through built-in limit switches, Type & Make to be specified in the offer

**Accessories-**

Gate Guard	: Metallic powder coated gate guard on both sides of movement of gate
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**Acceptable Make**

: V-TORK, DeZurik, VAAS, FLOWROX, TECHGATE, TYCO, ORBINOX, RED VALVE, FLSMIDTH (KREBS),

Important note	: Slurry should be in contact with sleeve only, not with the valve body.
Special Instruction	: Valve and actuator should be assembled at the factory of OEM of valve and the purchaser reserves the right of PDI (Pre Dispatch Inspection) of operation of assembled valve and actuator.
Special Note	: Party to provide 24 months of warranty for mechanical parts. : Drawing of the valve to be provided by the party. : Assistance during commissioning of the valve to be provided by party.

**Essential Spares : 2 nos. of rubber sleeves to be provided.**

  
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