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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 Slurry : 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

**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.**

  
15/09/17