

Annexure –“A”

Supply of complete set of suspended electromagnetic separator for 1BC-07 Belt conveyor Make: ERIEZ/ELECTROZAVOD / *Sandvik / SFE Minerals / Flzj*

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Sl. No	Material code	Material Description	Unit code	Stock in hand	Dues	Consumpti on rate	Item cat	Qty reqd.
01	100019041001	<p>Suspended Electromagnetic separator for 1BC-07 Belt Conveyor</p> <p><u>Technical specifications</u></p> <p>1. Type: cooling coil system</p> <p>2. Insulation class: "H"</p> <p>3. Installation arrangement: suspended type</p> <p>4. Suspension mode: with trolley and hoist</p> <p>5. Position: cross belt</p> <p>6. Operating height: 400 mm</p> <p>7. Force index: 1,00,000</p> <p>8. Gauss strength at operating height: 1000 at 400 mm</p> <p><u>Details of belt conveyor and transported ore</u></p> <p><u>TECH. PARTICULARS FOR BELT CONVEYOR No. 1BC-7</u></p> <p>EQUPT. NO. : Conveyor. No. 1BC-07</p> <p>MATERIAL :Tertiary screen oversize uranium ore</p> <p>LUMP SIZE :80% 20mm, 100% 30mm</p> <p>DENSITY :1600 kg/m3 bulk density for volume calculation</p> <p>MOISTURE :10%(Max)</p> <p>BELT WIDTH :1000 mm</p> <p>LENGTH ALONG BELT :291.212 m</p> <p>LIFT :Conv. Lift= 20880 mm</p> <p>CAPACITY(RATED/DESIGN): 265/370 TPH</p> <p>WRAP ANGLE :210 degree</p> <p>SPEED (NOMINAL) :0.81 m.s</p>	12				01	

Note:

1. Installation and commissioning of electromagnetic separator has to be done with the supervision of supplier, UCIL will provide manpower for installation
2. Supplier should quote for complete set of electromagnet filled with coolant oil, control panel, power transformer, suspension accessories, electrical wires for connection and PLC control cables
3. Bidder should confirm the warranty period 18 months from the date of supply or 12 months from the date of commissioning of material.

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