

URANIUM CORPORATION OF INDIA LIMITED
JADUGUDA MINES

Annexure-2
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Tender No.: PUR/2/22/8843/1211

Item: Drainage belt for Horizontal Vacuum Belt Filter.

Revised Technical Specification of Drainage belt for Horizontal Vacuum Belt Filter for filtration system of Uranium Peroxide slurry.

Physical Properties of Drainage belt shall be identical to existing one supplied by M/s FL Smidth/ VMix Mineral/ Tenova suitable for existing Extractor Filters being presently under operation at Turamdih Mill.

Design & Structure : Endless Belt grooved with Lifting Flat Curbs integrated with the belt, not applied in a second stage and Inner Rubber Guide obtained in a single piece by mould

Extractor Filter Model No.: 0.58 M 6

Carcass Material : Polyester

Center/Edges : Carcass free

Method of Bonding : Hot Vulcanizing

Filtration Holes : Belt drilled circular holes of 13 mm diameter

Groove Dimension : 10 mm depth & 6 mm width

Filtration Area : 3.25 Sq. Meter

Endless Belt Length : 21 Meter

Belt Width : 600 mm (without Curb)

Belt Width : 720 mm (with Curb)

Belt Thickness : 21 mm

MOC : SBR with hardness of $55 \pm 5^\circ$ Shore A

Make : Belt TS/ ContiTech Deutschland GmbH/ DRB (earlier name was Dongle)

Note :

1. The main transporter belt shall have facility to reduce friction while moving on the natural rubber lined belt support rollers / supports etc.
2. Lifting Flat Curbs with good flexibility and wrapping on head and tail pulleys, a good rebound to get back to the original shape (elasticity).

Warranty: The drainage belt and curb joints must be guaranteed for manufacturing defects / poor workmanship for trouble free performance for a period of 12 months from the date of commissioning or 18 months from the date of supply whichever is later.

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Photographs of Drainage Belt

