

URANIUM CORPORATION OF INDIA LIMITED
JADUGUDA MINES

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Public Tender No. : PUR / 2 / 22 / 8580 / 1047
Item : Filter Media for HBF

MATERIAL DETAILS

Permeability (Lt/m ² .sec@2mb)	:	1400 +/-10% (minimum) approx
Thickness (micron)	:	920 (approx)
Weight (g/m ²)	:	440 +/- 30 minimum
Material of Construction	:	PP monofilament Double Layer Weave
Max. Elongation at break warp/weft (%)	:	29 / 16 (approx)
Min. Tensile strength at max. load warp/weft(%)	:	95/75 (approx)
Dimensions	:	3.3 mtrs.(width) x 69.65 mtrs. (length)

Each filter media should have a SS-316/haste alloy 'C-5' clipper and two pintle wires (MOC: SS-316/haste alloy 'C-5" – one working and one standby for emergency) with top flap of same cloth and its edges coated / sealed on either side (min 25mm). The Pintle wires shall be of braided type only and a coating / sleeve of PVDF or PEEK or polypropylene must be there for better durability of the clipper & hence the pintle wire. The side coating / sealing must be thick and firm to ensure no damage to the edges on either end of the endless media. The top flap shall be stitched & glued at the fixed end before coating over it for better durability of the flap. The portion of the top flap which will be exactly over the clippers during installation must be thick coated for additional protection of the top flap. Free end of the top flap shall be provided with Velcro to stick it with the mother fabric for the safety of the clippers and prevention of slurry passing through the clipper slots.

The filter media shall be suitable for filtration of neutral and acid leached slurry.

Duty Conditions are as follows:

Feed size	:	80% (+/- 10%) passing through -200 # (60% less than -325 #)
Type of ore	:	Highly Abrasive mineral
Temperature	:	50 to 55°C for acid leach slurry & ambient temp. for neutral slurry.
Feed rate & pulp density	:	50 to 60 m ³ /hr. for Acid leach (density : 58-62%w/w solids) with Three stage of counter current washing system & 140 to 190 m ³ /hr For Neutral filter (density: 50-55% w/w solids)
pH	:	1.50-1.88 (Sulphuric Acid used) for Acid Leach Slurry

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NOTE: Every media must be rolled to ensure easy replacement. The roll must be securely placed in a polyethylene sheet, packed individually in a wooden box. Every media inside the packing box must contain a separate 1m x 3.3m wide piece of the parent fabric with proper marking of the particular fabric.

Sample received with offer shall only be considered for evaluation. No other sample shall be accepted after receipt of original sample of filter fabric with offer. Only one filter fabric sample shall be sent with offer. If more than one sample is sent, then party must certify the tag of that particular sample which shall only be tested against the tender for the duty conditions mentioned otherwise UCIL shall pick and choose any fabric from the offered samples.

Those who submit their offer without sample, will be allowed to submit the sample up to 7 (seven) days from the date of due date. Beyond 7 days no sample will be accepted and their offer will be summarily rejected.

Following parties need not require to send Sample if they will quote following fabric model, as these fabrics are running successfully in UCIL, Turamdih plant. However if the bidder submit offer other than the following fabric model, in that case they will submit sample as written above.

- 1) M/s. Sefar : For Fabric model no.:SEFAR TETEX DLW,05-8000-S120.
- 2) M/s.Valmet: For Fabric model no.S1153-L2K1.
- 3) M/s.Clear Edge Filtration:For Fabric model no.PP-26530B.
