

SPECIFICATION FOR FILTER CLOTH FOR MDU BELT FILTER

Model : Sefer Tetex DLW Mono 05-8000-W 120 or equivalent
Dimension: 24450 X 820 mm
Duty: To filter MDU slurry having 10-12% W/W (size: 5 μ m at ambient temperature under a vacuum of 550 – 600 mm of Hg)

The supplied cloth shall have Hastelloy C – gr-5 braided wire clipper joint at both the ends with the same wire provided for clipping the same. One set of spare pintle wire shall be provided with each filter cloth for emergency use. The braided wire shall be clamped with a support PEEK wire for the ease of insertion of the former wire.

Offer must contain the following details:

- 1) Warp and weft of the cloth 2) Average pore size of the cloth 3) Air permeability of the cloth (1700 +/- 350 l/m². sec at 2 bar) 4) Elongation of the cloth (Tolerance: +/- 1/2%)
- ✓ 1ft X 1ft sample of the offered product

Note:


- ✓ Each supplied filter cloth must contain 1 Sq. ft. of the sample of the same fabric as that of the cloth (02 Nos.)
- ✓ The supplied filter cloth and clipper joint must be guaranteed against any kind of wear and tear during operation due to above mentioned vacuum for at least four months from the date of installation or one year from the date of receipt whichever is earlier.

PRE QUALIFICATION CRITERIA:

- 1) The manufacturer/ supplier must have supplied at least **50 m²** of the offered media or at least **two nos.** of filter media of our size in the last four financial years ending on 31/03/2017 or in the current financial year. Documents like P.O. copies / invoice copies of the supplied items must be submitted along with the offer, **failing which the offer shall be rejected with no further communication at all. For the authorized dealers, the P.O. & invoice copies shall be in the name of the party who is participating in this tender (Documents in the name of the manufacturer shall not be considered.)**
- 2) Manufacturer of the subject filter media will be preferred. However authorized distributors/ stockiest/ dealers have to submit valid dealership certificate of the manufacturer which must carry authorized signature of the certifying manufacturer & date of validity.

SELECTION CRITERIA:

Filtration test with Buckner funnel method shall be carried out for evaluation of the offered fabric. However for the sample of the cloth to qualify must be having a filtration rate (dry top of the cake formed) of 25 sec +/- 5 sec to filter 400ml acidic slurry for the duty conditions mentioned below. If the rate of filtration is faster than the above mentioned range provided the turbidity is within the limit (≤ 110 NTU), then the particular fabric shall also be qualified for further consideration provided the party complies with other Terms & Conditions of the tender.
Diameter of Buckner Funnel to be used for filtration test: 90 mm
Synthetic polyacrylamide flocculent dose: 30ml @ 0.05% concentration. (Non-ionic)
Applied vacuum: 420-450 mm of Hg
Qualifying Turbidity mark for the filtrate of the test: ≤ 110 NTU



Weight of the offered fabric shall not be less than 440 +/- 30 (gm/ m²) minimum.

Duty conditions are as follows:

Feed solid size of slurry : 80% (+/-10%) passing through -200# (60% less than -325#)
Type of Ore : Highly Abrasive mineral
Temperature : 55 to 60 °C
pH : 1.50-1.75 (Sulphuric Acid used) for Acid Leach slurry.

NOTE: Air permeability of the fabric given above is indicative only. However fabric sample to qualify in the tender must pass through the filtration test criteria mentioned above.

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