

TECHNICAL SPECIFICATIONS AND OTHER ALLIED REQUIREMENTS

Sl No.	Description of items	Quantity
PUR/35//ERT/MP/E/2021-22		
1	SUPPLY OF EDDY CURRENT SEPARATOR(DETAILS AS PER ANNEXURE – I ATTACHED)	01 No.

1. INSTALLATION, COMMISSIONING AND TRAINING

NOT REQUIRED

2. WARRANTY

- 2.1. Comprehensive on-site warranty for a period of two year (24 months) must be provided to be effective from the date of final acceptance of the items / equipment at the user's laboratory / Institute/delivery site.

3. BID SECURING DECLARATION

- 3.1. A Bid Security Declaration is to be furnished by Bidder in the prescribed format duly signed by the authorised person of Bidder. Offer received without the Bid Security Declaration shall be rejected.

Specification

Description	Specification
Equipment	Eddy current separator with vibratory feeder
Magnet	High Intensity High Gradient High Power Rare Earth Magnet
Magnetic gauss power	12000 Gauss
Feeding Material	Municipal Solid Waste
Material Flow Rate	250 Kg/h
Feed temperature (°C)	Max. 50
Output material separation	Nonferrous (aluminium, copper, etc) Ferrous (Iron) Non-metallic (glass, wood, paper etc)
Materials to be separated	Piece having weight of maximum of 50 gm
Power Drive (Eddy Current Drum)	ABB/Havels/Crompton greaves 3.5 kW, 3Phase, 415V, 50HZ, 2880 RPM
Belt Drive	ABB/Havels/Crompton greaves 0.75kW, 3Phase, 415v, 50HZ, 1440 RPM with VFD to control the speed
Belt	Canvas Belt; Width – 500 mm & Thickness- 5 mm
Bearing	Heavy duty self-aligning flange bearing (SKF make)
Shaft	EN 8
Material of construction	MS 2062
Enclosure	Totally enclosed Dust proof
Feed system	Electro mechanical feeder Foot Mounted Open Coil Spring Assembly 1 No. 1.0 HP, 3phase, 415 V, 50 HZ Top of Feeding Point + 1600mm from GL (max)
Discharge hopper	1 Nos. of Discharge Hopper for Non-Metal 1 Nos. of Discharge Hopper for Metal (Ferrous) 1 Nos. of Discharge Hopper for Metal (Non-Ferrous)
Structural Frame	ISMC(200mm×100mm×6mm) MOC MS-IS2062

Partha Das
08/04/2021

N.B.

1. Mention Model No, Make and Specification of Equipment specifically or else bid shall be rejected
2. Don't copy paste the tendered specification or else bid shall be rejected
3. Provide necessary photographs or drawing (whenever applicable) along with the technical bid

Place of Delivery:

Dept. of Mechanical Engineering, Karunya Institute of Technology and Sciences, Karunya Nagar,
Coimbatore, Tamil Nadu 641114.

Unloading of Material at Delivery Site: In Scope of Supplier

Warranty: 24 months

Partha Das
08/04/2021