

ANNEXURE 1: SCHEDULE OF REQUIREMENTS

Technical Specifications

A. For dry waste management at Material Recovery Facility (MRF)

LOT 1: Conveyor System

a) Incline Conveyor Belt to Feed Dry Waste Sorting Flat Conveyor Belt (5 Meter)

No.	Description	Technical specifications
1	Capacity output	500 Kg / Hr.
2	Automation	Variable Frequency Drive
3	Type and Inclination	Inclined Type and 25 degrees
4	Bearing	Pedestal Type
5	Speed Control	With VFD 5 Ft/min to 30 ft/min
6	Return Roller Dia.	76 mm
7	Up & Return Roller Length	900 mm
8	Carrying Roller Dia	76 mm
9	Belt Width	900mm
10	Belt Thickness	5mm/ Heavy (PVC) Rubber with Cleats placed at every 350 mm
11	Conveyor Belt Length	5300 mm
12	Motor capacity in HP	3 HP Helical Type
13	Take-up Arrangements	Screw Type 500 mm
14	Belt Material	Rubber Type (PVC)/ Heavy Rubber
15	Pulley Head & Tail width	140 mm
16		900 mm
17	Other Features/Requirements:	Hopper with volume controller for feeding the conveyor belt
		Provision for a belt that can run in reverse

b) Flat Dry Waste Segregation Conveyor Belt - 10 Meter

No.	Description	Technical specifications
1	Capacity output	500 Kg / Hr.
2	Automation	Variable Frequency Drive
3	Bearing	Pedestal Type
4	Speed Control	5 Ft/min to 30 ft/min
5	Roller Dia.	Vendor to provide
6	Belt Thickness and Width	5mm and 900mm
7	Conveyor Belt Length	10 Meter
8	Motor capacity in HP	5 HP
9	Belt Material	Rubber Type (PVC)/ Heavy Rubber
10	Other Features/ Requirement:	Flat-bed type for material segregation, with provision for a belt that can run in

		reverse
		Provision of low side guards on both sides of the conveyor belt, along with wheels equipped with a locking system.
		Hopper with volume controller for feeding the conveyor belt
		Provision for seating arrangement for workers while sorting.

LOT 2: Long size Baler Machine with pusher (15 HP):

No.	Description	Technical Specifications
1	Pressing Capacity	60 Ton
2	Bale Size (L X W X H) Mm, Inch	800 X 500 X 600-750(32"X20"X24-30")
3	Weight Of Bale (Pet Bottle)	120 - 150 Kg
4	Body	Fabricated
5	Baling Chamber Size Mm, Inch	800 X 500 X 1500 (32"X20"X60")
6	Feed Opening Mm, Inch	800 X 600 (32" X 24")
7	Platform Size Mm, Inch	800 X 500 (32" X 20")
8	Ejection Of Bale	By Hydraulic Pusher
9	No Of Cylinder	2
10	Main Cylinder (Bore X Rod X Str) Mm	Ø160 X Ø100 X 1200
11	Pusher Cylinder (Bore X Rod)	Ø80 X Ø50
12	No Of Belts / Slots	3 To 4
13	Operation	Hand Lever Operated
14	Electric Motor	15 Hp 3 Phase 1440 Rpm
15	Oil Drive	Gear Cum Plunger
16	Oil Tank	200 Liter
17	Working Fluid	Hydro Enclo 68
18	Maximum Working Pressure	3000 Psi
19	Production Rate	2 To 3 Bales Per Hour
20	Machine Weight	2000 Kg ± 5%
21	Other Features/ Requirement:	Separate hook equipment for tying bales after material baling

LOT 3: Plastic and Dry Waste Air Blower (7.5 HP)

NO.	DESCRIPTION	TECHNICAL SPECIFICATIONS
1	CAPACITY OUTPUT	80-100 KG / HR.
2	AUTOMATION	SEMI - AUTOMATIC
3	MACHINE FABRICATED	3 MM MS PLATE
4	FEEDING MOUTH	15" X 15"
5	ROTOR DIA	9 INCHES

6	MOTOR CAPACITY IN HP	7.5 HP (CROMPTON/HAVELLS) 3 PHASE 1440 RPM
7	DRUM LENGTH & DIAMETER	DIA: 1000 MM LENGTH: 1500 MM
8	USAGE	FOR CLEANING DUST FROM PLASTIC WASTE
9	Other Features/requirement:	Materials to use for: All soft Plastics Duct/ Hopper at feeding mouth for the safety of the machine operator Duct to control the ejection of cleaned sheet Bearing - Pedestal Type Rotor - Dynamically Balanced Dedicated Control Panels for Push Button operations Cloth Bag for dust collection

LOT 4: Plastic Grinder (25 HP)

S. No.	Description	Technical Specifications
1	Chamber Size	24"
2	Electric Motor	25 HP (Crompton/Havells 3 Phase 1440 Rpm)
3	Output Screen Size (Zali)	14 MM
4	Production Capacity	300-400 Kg / Hr.
6	No Of Rotors	2
7	No Of Moving Blades	8
8	No Of Fix Blades	4
9	Dimension of Blade	Fix – 7.5", 2 No. Moving – 7.5", 6 No.
10	Overall Dimensions (L X W X H)	1090 X 580 X 1500 MM
11	Chamber Wall Thickness	20 Mm Thick MS Plate
12	Casting	Heavy Duty MS Casting
13	Other Features / Requirements	Rotor Shaft – Equi. Balanced Shaft Starter Will Be Provided with Overload Control One Spare Blade Set Will Be Provided 2 Spare Mesh Will Be Provided

NOTE:

Acceptable variations in dimensions of the machinery: +/- 5%

User / Technical manuals are to be supplied in English.

THE OFFERED PRODUCTS ARE IN ACCORDANCE WITH THE REQUIRED
SPECIFICATIONS AND TECHNICAL REQUIREMENTS:

YES NO

ANY DEVIATIONS MUST BE LISTED BELOW:

Signature

Name _____

Designation with stamp

Date _____

Delivery Requirements	
Delivery date and time	Bidder shall complete the delivery and installation within 40 Days from the issuance of Contract.
Customs clearance	Shall be done by: <input checked="" type="checkbox"/> Supplier/bidder
Exact Address(es) of Delivery Location(s)	Belortol, Boragaon, Guwahati-781035.
Distribution of shipping documents (if using freight forwarder)	Not Applicable
Packing Requirements	Applicable
Training on Operations and Maintenance	Applicable
Warranty Period	12 months.
After-sales service and local service support requirements	Applicable
Annual Maintenance Contract	Applicable
Preferred Mode of Transport	Not Applicable

Delivery Location:

The shipment will be delivered to the following location. The detailed delivery address is Belortol, Boragaon, Guwahati-781035.

NOTES:

1. The products/gods/parts of machineries must be recalled by the manufacturer/ bidder/ supplier at the manufacturers/ bidder/ suppliers cost if rejected by CEE/ purchaser or end user because of the problems with quality. The supplier/ bidder/ manufacturer will be obliged to replace the products/goods/parts of the machineries in question at its own cost with a new one of acceptable quality.
2. Detailed delivery and installation addresses will be provided at the time of award of the contract.
3. The supplier will be responsible for the protection of materials, property and equipment before successful delivery and handover to CEE.
4. **Package prices quoted must be inclusive of all costs necessary to supply these items, including delivery, one-year warranty, transport cost, insurance, materials, installation, training and commissioning etc.**
5. Supplier to submit the focal point contact details for warranty issues for the duration of the warranty period.