

## ANNEXURE 4: TECHNICAL OFFER

### Technical Offer

Provide the following:

- a brief description of your qualification and capacity that is relevant to the Scope of Works;
  - a brief method statement and implementation plan;
- Compliance with Requirements:

### 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)			Your Response		
No.	Description	Technical specifications	Yes, we will comply	No, we cannot comply	If you cannot comply, please indicate counter offer
1	Capacity output	500 Kg / Hr.			
2	Automation	Variable Frequency Drive			
3	Type and Inclination	Inclined Type and 16 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	Your Response		
			Yes, we will comply	No, we cannot comply	If you cannot comply, please indicate counter offer
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	Your Response		
			Yes, we will comply	No, we cannot comply	If you cannot comply, please indicate counter offer
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 at feeding mouth for the safety of the machine operator			
		Duct/ Hopper 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	Your Response		
			Yes, we will comply	No, we cannot comply	If you cannot comply, please indicate counter offer
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 S Of Blade	Fix – 7.5", 2 No. Moving – 7.5", 6 No.			
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			

Exact name and address of the company			
COMPANY NAME _____		<b>AUTHORIZED SIGNATURE</b> <b>DATE</b>  NAME OF AUTHORIZED SIGNATORY (TYPE OR PRINT)FUNCTIONAL TITLE OF SIGNATORY  <b>WEB SITE</b>	
ADDRESS _____			
PHONE NO. _____ FAX NO. _____			
EMAIL ADDRESS OF CONTACT PERSON _____			
OTHER EMAIL ADDRESSES _____			