

**ELECTROSTATIC PRECIPITATOR TYPE INDUSTRIAL AIR CLEANER / OIL MIST EXTRACTOR**

**Scope :** Design , Manufacture , Supply , Installation, Commissioning and Performance proveout  
 ELECTROSTATIC PRECIPITATOR TYPE INDUSTRIAL AIR CLEANER / OIL MIST EXTRACTOR  
 ( Suitable to replace existing old electrostatic precipitator type Mist Extractor, mounted on MS Stand and connected to machine with Flexible Hose Ducting. Existing model name plate : Industrial Air Cleaner, Model : SEO-160, mfg. year : 1990, Rating : 1600 CFM, Input : 415V AC 3 phase 50 Hz, Fan Motor : 415V AC 3ph 50Hz 1360 RPM 1HP, Power Pack : 230 V AC 1ph 50Hz make: Superior Electric )

**Table -1 : ( To be filled by the firm and enclosed with Technical Bid)**

Sl. No	Description	Specification	Specification offered by the firm ( To be filled). Values to be indicated.
1	Make /Brand and Model No.	Firm to specify	
2	Rating / Capacity	1600 CFM OR higher	
3	Suitable for Power Supply	3ph 415V AC 50 Hz	
4	Mist Extractor Ducting	Ducting / Hose Length : 5 Mtr	
5	Mounting type	MS Fabrication Stand for Mist Extractor Mounting	
6	Technology :	Power Pack with Electrostatic Precipitator, All Required Filters like Pre/Mesh/Post/etc , Blowers, Silencer for noise attenuation, etc.	
7	Indicator Lamps :	for Power ON, Blower ON, Electrostatic Precipitator ON, Fuse Blown, OLR tripped etc.	
8	Starter	DOL Starter / Control Panel	
9	Controls :	Selector Switch / toggle Switches / Push Buttons	
10	Cooling Media - coolant oil	Water Soluble Cutting Oil Servo Cut S	
11	Application	Suitable for CNC Metal Cutting & Grinding SPM machines, where coolant oil is used for cutting tool cooling	
12	Indoor / Outdoor	Indoor	
13	Operation & Instruction Manual	To be supplied along with supply	
14	Tools & special tackles	To be supplied along with supply - (firm to specify )	
15	Warranty	Min. 1 year from the date of commissioning	
16	Test and Guarantee Certificate	To be supplied along with supply	
17	Drawings for Approval :	General Layout and Electrical Circuit Diagram	
18	Spares	List of Spares for general maintenance ( firm to specify )	
19	Training	Training for Operation & Maintenance - reqd.	
20	Product Data sheet	Product catalogue / data sheet - reqd.	
21	Any other information	Firm to furnish	

**Table -2 ( Scope of supply- to be filled by the firm & enclosed with technical bid)**

The following is the scope to be quoted and supplied by the firm.

Sl. No	Description	Qty.	Qty. offered by the firm
	<b>Material :</b>		

1	ELECTROSTATIC PRECIPITATOR TYPE INDUSTRIAL AIR CLEANER / OIL MIST EXTRACTOR WITH COMPLETE ACCESSORIES & ELECTRICALS	04 NOS.	
2	M.S. STAND FOR MOUNTING / SUPPORT, WITH COMPLETE HARDWARE ITEMS AS REQD. AT SITE	04 NOS.	
3	MIST EXTRACTION DUCTING / HOSE WITH CLAMPS, NUT BOLT ETC. ( STD. LENGTH OF 5 MTR. )	04 NOS.	
	Services		
4	The installation, commissioning, performance prove out, user training at site.	Activity	

**TABLE -3 : General Points : ( To be filled by the firm and attached with Technical Bid)**

SI No	Description	Compliance to be filled by the firm
1	The documents in support of qualification criteria indicated in Annexure -2 to be enclosed with the Technical Bid	
2	The firm to quote for the item meeting the above specification.	
3	<u>Validity</u> of the quotation ( <u>6 months</u> as per tender)	
4	<u>Delivery Period</u> and Installation & Commissioning Period (To be indicated)	
5	<u>Acceptance to L.D clause</u> as per tender (To be accepted as per Tender)	
6	<u>Delivery Terms</u> ( Door Delivery - BEML Ltd., - Mysore as per tender)	
7	Submission of <u>Performance Bank Guarantee</u> ( 10 % of P.O value for Warranty period)	
8	<u>Payment Terms</u> ( Indicate only terms without price details).	
9	<b>Mention</b> applicable <u>Duties and Taxes</u> ( <b>In words</b> mandatorily without prices) applicable GST No. GST Tax %, HSN / SAC codes for each item.	
10	<u>Spares and Service support</u> (To be confirmed as per tender)	
11	The relevant <u>product catalogues</u> (Should be enclosed with the quotation ).	
12	The equipment should be <u>neatly packed</u> for safe transportation.	
13	<u>Training</u> : The supplier shall impart necessary training to BEML engineers in the areas of equipment operation, maintenance . This should be sufficient enough for BEML personnel to operate and maintain the Equipment.	