

Section 7. Technical Specifications

Procurement of Industrial Filter (Pre-Filter) for 450 MW CCPP North (Mechanical) Plant of APSCL.

Item No.	Name of Goods	Qty. & Unit of Measurement
1	2	3
	Description & APSCL's Requirement	1080 Pcs.
1	Filter Name: Gas Turbine 2nd Stage Air Intake Filter (Pre-Filter) Country of origin : EU/EU-CU/G7 Manufacturer & Model : To be mentioned by tenderer Filter class to EN 779:2012 : M6 Fire class as per DIN 53438 : F1 Filter Type : Mist eliminator type Materials : High-performance, nonwoven, tear-resistant synthetic organic fibers. Dimensions : 592 x 592 x 600-650 mm Frame : Filter pockets are foamed-in polyurethane front frame, Frame width 25 mm Gasket : Not Applicable/ No gasket No. of pockets : 6-12 Filtering area : Not less than 6.5 m ³ Initial pressure drop @3400 m ³ /h : Not More than 65 Pa Recommended final pressure drop : Not less than 250 Pa Burst pressure drop : Not less than 2000 Pa Max. operating temperature : Not less than 65 C Relative humidity : Up to 100 % Flow-rate per element (as per EN779:2012) : Not less than 3400 m ³ /h Microbiologically inactive. : Yes As per EN 779:2012 Initial Arrestance : Not less than 90% Average Efficiency (as per EN779:2012) : Not less than 60% As per ISO 16890 Efficiency values : e PM1 not less than 25% : e PM2.5 not less than 40% : e PM10 not less than 70%	

N.B.:

- Country of Origin: EU/ EU-CU/G7
- One-piece of offered Pre-Filter must be submitted with the tender as sample. Tender without "Sample" shall be treated as non-responsive. Physical Verification Test of submitted Sample will be considered during the evaluation.

In the capacity of:

Duly authorized to the sign the Tender on behalf of the Tenderer.

Date:


