

### ANNEXURE -1 (DRYING PLANT)

*Pre filter (fine) flange type along with casing all in CRCA steel*

SL NO.	DESCRIPTION	SPEC. of Pre Filter
1	Type of filter	Pre Filter
2	Air flow capacity(m <sup>3</sup> /hr)	2100
3	Initial Pressure Drop	Not more than 6.5mm WG at rated capacity
4	Collection efficiency by number count method	Not less than 99% for particles of size down to 5 micron
5	Temperature resistance	250° C continuous
6	Filter casing	CRCA sheet thickness 1.2 mm
7	Filter media	Suitable for arresting dust of 5 micron size at rated air flow
8	Separator	Aluminum tubular support
9	Sealant	Polyurethane based adhesive for sealing of the filter pack to the casing and rubber based adhesive for cementing the gasket to the frame
10	Gasket	Soft,Impermeable,closed pore sponge gasket
11	Packing	Each filter shall be covered with polyethylene and packed individually in good quality carton with sufficient protection on both surface to avoid damage in transit
12	Air flow direction	Shall be marked on individual filters
13	Test report	The filter shall be tested by DOP method before supply and report to be enclosed along with the material
14	Size	610 X 610 X 200 (in mm)

Offer must include detailed literature of the offered system, MOC,air flow,maximum permissible pressure drop across choked filters before its replacement.Detailed drawing of the casing and supporting structure,testing method and QAP of the system

