

**Technical specification**

<b>Sl No</b>	<b>Specification</b>	<b>Requirement</b>
1	Purpose	To wash nylon filter press cloths
2	Description of Operation	The filter press cloths after removal from the presses will be loaded into the machine from top
3	Quantity	1 no
4	Application	Removal of clay material from filter press cloths by Washing thoroughly to remove clay material stuck to the nylon filter press cloths
5	Capacity	50 kg
6	Method of loading	Top loading
7	Material of Construction of body	MS
8	Material of Construction of inner and outer drums	AISI 304 grade non magnetic stainless steel
9	Thickness of inner drum	Min 1.6 mm
10	Thickness of outer drum	Min 2.0 mm
11	Gear Box	Suitable gear box Make : shanthi gears/Greeves
12	Motor	Suitable motor 3 ph, 415 volts 50 hzs Make : Siemens/LT/Schneider
13	coupling	Fenner
14	Bearings	SKF/FAG
15	Overall dimension	Bidders to specify
16	Total connected load in KW	Bidders to specify
17	Basic Machine features	<p>1.The machine shall be top loading type</p> <p>2.Basic Machine must comprise stable construction</p> <p>3. The machine shall have features like wash timer, automatic forward/reverse cyclic timer, single phase preventer, inching etc.,</p> <p>4. The door shall be electrically interlocked for better safety</p> <p>5. the inner drum is perforated &amp; die sunk embossed for rigidity and effective cleaning</p> <p>6. The inner drum has 4 nos lifters for effective tumbling action</p> <p>7. the outer drum has easy sliding door and is electrically interlocked for safety</p>

18	Scope of Supply	Complete equipment along with associated accessories which includes erection and commissioning.
19	Training	Training shall be provided to the operators during installation and commissioning at BHEL.
20	Inspection	The equipment shall be inspected in the vendors' works. The equipment shall be demonstrated satisfactorily performance .The Equipment to be dispatched only after final inspection and acceptance by BHEL
21	Utilities Requirement :	Information on requirement of various utilities such as power, compressed air, water are to be furnished in the Part – A : Techno-commercial bid.
22	Equipment Layout Plan	Information on the requirements for proper layout plan for installation and commissioning of the equipment and its associated accessories to be suggested by the bidders
23	Commercial Production capacity	Equipment has to be demonstrated for continuous satisfactory operation of 8 hours.
24	Safety features	Bidders to provide the details of safety devices & features incorporated in the equipment.

**Qualification criterion:**

Sl. No	BHEL Standard Terms & Conditions	Supplier's confirmation Yes / No	If Yes , Documentary Evidence provided for Compliance
1	The vendor shall be an Original Equipment Manufacturer (OEM). Dealers have to submit authorisation certificate from OEM		
2	The vendor shall have qualified personnel, their own adequate manufacturing / integrating and testing facilities for the equipment offered.		
3	The vendor shall have proven track record for manufacturing, supplying and successful commissioning of washing machine in the last 2 years		
4	The vendor shall submit audited balance sheet or tax returns or profit loss account for the last 3 years		