

TECHNICAL SPECIFICATIONS FOR "FULLY AUTOMATIC SHOE COVER DISPENSER MACHINE"

EMT- 6852 REV-00

(This specification is for one number fully automatic shoe cover dispenser machine)

SL NO.	DESCRIPTION OF BHEL REQUIREMENT	REQUIREMENT	OFFERED	DEVIATION
1.0	PURPOSE :			
	The shoe cover dispenser machine is required for proper covering of shoes of the personnel entering the winding areas and air-conditioned halls.	Vendor to note.		
2.0	SCOPE OF SUPPLY :			
2.1	The scope of supply includes design, manufacturing, testing, supply, commissioning and proving of the equipment at BHEL works.	Vendor to confirm.		
3.0	JOB DESCRIPTION :			
3.1	All the insulation application on electrical components for the high voltage electrical machines are carried out in air-conditioned /enclosed halls. All personnel working in this area are required to cover their shoes before entering inside the air conditioned halls/winding areas to avoid dust ingress. The shoe cover dispenser machine should be such that upon inserting the foot in the covering area of the machine it should automatically cover the shoe with non-woven fabric shoe cover through a relevant mechanism (motorised or otherwise). The machine should load each shoe cover one by one and the loading process should be glitch free. After a cartridge has finished, the process of changing of cartridge should be simple and hassle free.	Vendor to note.		
4.0	TECHNICAL SPECIFICATION :			
4.1	Shoe cover dispenser machine shall be of compact design made of metallic body of L-type shape having dimensions approximately in the range of width 300-350 mm, length 600-650 mm and height 700-800 mm.	Vendor to confirm.		
4.2	The Shoe cover dispenser machine shall have appropriate Indicator for ON, OFF status and to indicate the status/number of covers left in the cartridge..	Vendor to confirm.		
4.3	The machine should be fully automatic in operation so that the shoe covers are automatically loaded from the cartridge in the machine after every use. The process of loading of cartridge should be consistently glitch free and smooth for the working life of the machine.	Vendor to confirm.		
4.4	The machine should be designed to dispense non-woven fabric shoe cover.	Vendor to confirm		
4.5	The cartridge or a unit that has a defined number of non-woven fabric shoe cover, that can be loaded in one go in the machine should be compact and easy to handle.	Vendor to confirm and inform the number of shoe cover per cartridge specifically		

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4.6	The supplier has to provide a supply of 30 cartridge (minimum 1500 pieces of shoe cover ie, 750 pairs of non-woven fabric shoe cover) along with the machine that has to be quoted separately.	Vendor to confirm.		
5.0	SOURCE OF ELECTRIC SUPPLY :			
5.1	BHEL will provide input power supply of 220 volts +/-10% , 50Hz +/-3% to Isolator Switch (BHEL scope). Cable connection from isolator switch to control panel of machine approximately 1.5 meter will be in the scope of vendor.	Vendor to confirm.		
6.0	NOISE LEVEL :			
6.1	Maximum noise level generated during the operation of the machine must be less than 85 dB from 1 meter away from machine with correction factor for background noise.	Vendor to confirm.		
7.0	ENVIRONMENTAL CONDITION :			
7.1	The equipment shall be suitable to operate at ambient temperature from 5° C to 45° C and relative humidity up to 95%.	Vendor to confirm.		
8.0	SPARES :			
8.1	Spares required for 2 years trouble free operation are to be quoted separately, giving description, quantity and price of each item separately. The price of spare must not be clubbed with main equipment	Vendor to confirm.		
8.2	1 no. of Motor (if used) for automatic loading of shoe cover machine to be supplied as mandatory spare.	Vendor to confirm.		
9.0	OPERATION AND MAINTENANCE MANUALS :			
9.1	3 Sets of operation and maintenance manuals in English language shall be supplied along with the equipment. Operation and maintenance manual shall include do's and don'ts, maintenance of Shoe cover dispenser machine. In addition to operation and maintenance instructions these manuals shall have complete technical details of bought out items along with their source of supply.	Vendor to confirm.		
9.2	Complete technical details along with catalogue of the machine should be submitted with the offer.	Vendor to confirm.		
10.0	PRE-DESPATCH INSPECTION :			
10.1	The machine will be inspected by BHEL representative at vendors' works prior to dispatch. Vendor shall impart training for operation/ maintenance of the equipment at their works during pre-dispatch inspection. Following points will be verified by BHEL engineer at vendor's works.	Vendor to confirm.		
10.2	Verification of spare items, if any.	Vendor to confirm.		
11.0	INSTALLATION AND COMMISSIONING :			
11.1	Vendor shall take full responsibility for carrying out the installation and commissioning of Fully automatic shoe cover dispenser machine at BHEL works, Haridwar. The machine shall be accepted after satisfactory performance trial at BHEL works.	Vendor to confirm.		

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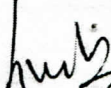
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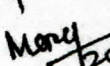
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12.0	GUARANTEE/WARRANTEE:		
12.1	Guarantee/Warrantee for Fully automatic shoe cover dispenser machine shall be 18 months from the date of dispatch or 12 months from the date of final acceptance at BHEL works, Haridwar, whichever is earlier.	Vendor to confirm.	
13.0	PACKING :		
13.1	The equipment shall be suitably packed to prevent damage during transit and storage. All small and loose items like spares etc. should be suitably packed in separate wooden boxes.	Vendor to confirm.	


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