


TD-106-1 Rev No. 5	Form No.		PRODUCT STANDARD SWITCHGEAR HYDERABAD		SG 40132
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## HIGH PRESSURE WATER JET CLEANING MACHINE

**DESCRIPTION:**



This equipment shall be a portable machine equipped with a triplex pump ceramic plungers and connecting rod system for developing the required high pressure.


- Equipment shall be roller mounted for easy movement from one place to other. It shall be equipped with atleast 15 liter diesel tank with a discharge plug and a detergent tank of 5 liters.
- It shall be equipped with stainless steel boiler and double heating coil with refractory cement base to heat the water required for cleaning.
- It shall be supplied with 10m electric cable and 10m HP hose with gun and lance.
- It shall be fitted with Motor thermal protector.
- An independent electric motor shall be provided for coil cooling.
- It shall be Fitted with gear diesel pump, thermostat, and a safety pressure switch to shut down the boiler in case of loss of water head.
- It shall be possible to adjust the pressure head and fan jet spray.
- It shall be Fitted with micro leakage PCB (printed circuit board) with acoustic signal warning.


**FUNCTIONAL REQUIREMENTS:**

With this High Pressure Jet Cleaning machine it shall be possible to carry out the following functions effectively.

- Cleaning of Sand deposits on ferrous and non-ferrous castings effectively.
- Degreasing of various components using detergents and hot water before painting.
- Cleaning of pipes inside.
- Wet sand blasting of various components of breakers.

INV.No.	Revisions:  Refer to record of revisions	Prepared:  M.SUDHAKAR	Approved:  B.Y.BABU	Date:  25.05.2009
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COPYRIGHT AND CONFIDENTIAL  The information on this document is the property of BHARAT HEAVY ELETRICALS LIMITED, It must not be used directly or indirectly in any way detrimental to the interest of the company.			<u>TECHNICAL DATA:</u>				
			TYPE OF DESIGNATION		High Pressure Water jet Cleaning Machine		
			LENGTH		< 1000 mm		
			WIDTH		< 600 mm		
			HEIGHT		< 1000 mm		
			WEIGHT		< 100 kg.		
			MAXIMUM OPERATING PRESSURE		200 bar		
			FLOW RATE		900 Ltrs./hour		
			WATER TEMPERATURE		30/150°C		
			△ T		60°C		
POWER OUT PUT		5.5 kW					
IN PUT		7.4 kW					
SPEED		1450 rpm					
FREQUENCY		50 Hz					
VOLTAGE		400V AC 3-Phase					
			<u>ACCESORIES:</u>				
			Following accessories shall also be supplied along with the equipment.				
			<ul style="list-style-type: none"><li>- Sand Basting Kit.</li><li>- Rotopower pro with lance.</li><li>- Extra HP hose 20M</li><li>- Wash Nozzles set- 2 nos.</li><li>- Hose with drain nozzle for pipe cleaning.</li></ul>				
INV No.							

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			REV.NO.	DATE	REVISION DETAILS	REVISED BY	APPROVED BY	
			INV No.					