



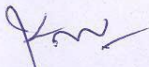

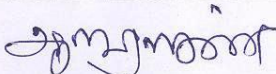
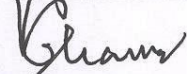
BHARAT HEAVY ELECTRICALS LTD.
SEAMLESS STEEL TUBE PLANT
TIRUCHIRAPPALLI -14

Ref. No: SSTP: CHEM: DEGR:01
Rev: 00
Date: 18.01.2014

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REQUIREMENTS FOR DEGREASING AGENT FOR SURFACE CLEANING OF STEEL TUBES

1	Appearance	Off white hygroscopic Powder
2	PH of 5% solution	9 - 10
3	Free Acid	Max. 0.5
4	Operating Temperature of chemical bath in °C	85-95
5	Concentration of 10 ml of bath solution (5% Weight/Volume)	70-80
6	Soaking time	5 to 15 Minutes
7	Solubility in water	Shall be dissolved completely.
8	Application Method	Dipping
9	Oil /Grease Free Test - Water Film Break Test	Uniform wetting shall be formed on the surface of test piece.
10	Shelf Life – Months (Min)	12
11	Packing standard/marking	The degreasing chemical shall be Supplied in Water proof HDPE bags with inner lining of 25 Kg. as per PO indicating the following. Degreasing chemical for SSTP /BHEL use only. Supplier's Name: Batch No: Date Quantity: Shelf Life: BHEL Specn. SSTP: CHEM:DEGR: 01
12	Material Safety Data Sheet (MSDS)	Relevant MSDS shall be furnished
13	Test certificate	The supplier shall furnish test certificate for the above requirements Sl.No.1 to 10 in duplicate.

Prepared by	Reviewed by	Approved by
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