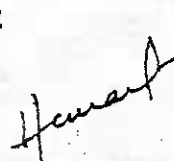
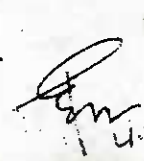
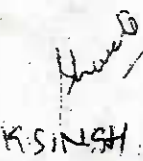
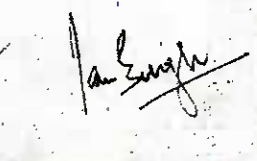


TECHNICAL SPECIFICATION FOR "SINGLE PHASE INDUSTRIAL VACUUM CLEANER"TECHNICAL SPECIFICATION NO.EMT-6813, Rev-01

(This specification is for one number Vacuum Cleaner)

SL NO.	DESCRIPTION OF BHEL REQUIREMENT	REQUIREMENT	OFFERED	DEVIATION
1.0	PURPOSE :			
	Industrial Vacuum Cleaner will be used for removal of dust, chips etc. during various stages of the Stator Winding Assembly, Rotor Winding Assembly, Exciter rotor Assembly and Stator winding bar manufacturing.	Vendor to note.		
2.0	SCOPE :			
	The scope of supply includes design, manufacturing, supply, commissioning & proving of performance of the "Industrial Vacuum Cleaner" at BHEL works, Haridwar.	Vendor to confirm.		
3.0	JOB DESCRIPTION :			
3.1	During various stages of Stator Winding Assembly, Rotor Winding Assembly, Exciter rotor Assembly and Stator winding bar manufacturing, grinding is being done on various insulating items, brazed joints etc. This insulating dust, copper dust etc needs to be removed from the job. This cleaning is very critical as the presence of any kind of dust or chips may lead to electrical failures during HV and IR tests.	Vendor to note.		
4.0	TECHNICAL SPECIFICATION OF INDUSTRIAL VACUUM CLEANER :			
4.1	Industrial Vacuum Cleaner must be designed for removal of dust, chips etc. during various stages of Stator Winding Assembly, Rotor Winding Assembly, Exciter rotor Assembly and Stator winding bar manufacturing.	Vendor to confirm.		
4.2	Air flow 61 liters/ sec or better.	Vendor to confirm.		
4.3	Vacuum (at container) = 230 mbar or better.	Vendor to confirm.		
4.4	Diameter of the hose pipe	Vendor shall furnish in the offer.		
4.5	Length of the hose pipe along with coupling connected to vacuum cleaner = 3 meters.	Vendor to confirm		
4.6	Dust container storage capacity =50 litres minimum.	Vendor to confirm.		
4.7	Type of motor and specification details to be furnished in the offer for single phase operation.	Vendor shall furnish in the offer.		
4.8	Industrial Vacuum Cleaner must be complete with good quality and long lasting castor wheels, so that it can easily be shifted to different locations at a work center.	Vendor to confirm.		
4.9	Weight of vacuum cleaner	Vendor shall furnish in the offer.		

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4.10	Technical leaflets/catalogues and specification details of the offered industrial vacuum cleaner shall be attached with the offer.	Vendor to confirm.	
4.11	Power cord length = 15 meters.	Vendor to confirm	
5.0	ENVIRONMENTAL CONDITION :		
5.1	Industrial Vacuum Cleaner must be suitable to operate at ambient temperature from 4° C to 50° C and relative humidity up to 95%.	Vendor to confirm.	
6.0	NOISE LEVEL :		
6.1	Maximum noise level generated due to the operation of Industrial Vacuum Cleaner must be less than 85 db from 1 meter away from machine with correction factor for background noise.	Vendor to confirm.	
7.0	ACCESSORIES OF INDUSTRIAL VACUUM CLEANER :		
7.1	PVC Flat Nozzle = 1 No.	Vendor to confirm.	
7.2	Hose pipe of suitable dia. of length 6 meter = 1 No.	Vendor to confirm.	
8.0	SPARE :		
8.1	Mandatory Spares: (i) Dust Bag = 1 No. (ii) Gaskets and 'O' Rings (if any) = 1 Set	Vendor to confirm.	
8.2	Price of each item under mandatory spares shall be quoted separately. The price shall not be included in the main equipment cost.	Vendor to confirm.	
9.0	OPERATION AND MAINTENANCE MANUAL OF INDUSTRIAL VACUUM CLEANER :		
9.1	1 set of operation and maintenance manual in English language shall be supplied along with Industrial Vacuum Cleaner.	Vendor to confirm.	
10.0	INSTALLATION AND COMMISSIONING :		
10.1	The supplier shall be fully responsible for the commissioning of the Equipment at BHEL works, Haridwar.	Vendor to confirm.	
11.0	FINAL ACCEPTANCE OF INDUSTRIAL VACUUM CLEANER :		
11.1	Demonstration of all features specified in this Technical Specification to the satisfaction of BHEL, at BHEL works, Haridwar.	Vendor to confirm.	
12.0	GUARANTEE :		
12.1	Guarantee for Industrial Vacuum Cleaner shall be 12 months from the date of final acceptance at BHEL works as per SI.No.11.1.	Vendor to confirm.	

03/04/15
TAHIR HASSAN
MANAGER(BLK-1)

06/04/15
(RAVI PRAKASH)
DEP. MANAGER(CIM)

04-4-15
(RAHUL KUMAR)
SR. ENGINEER(BLK-1)

03/04/15
(HEMAN KUMAR)
ENGINEER(BLK-1)

02/04/15
(SHWETA)
ENGINEER(EMT)

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E-6 EMT.

BHEL

TECHNICAL PURCHASE SPECIFICATION

EMT-6813

Rev- 01

DESCRIPTION OF BHEL REQUIREMENT	TO BE SUPPLIED/ CONFIRMED/ SUBMITTED BY	OFFERED
<p>Only those OEMs or its authorized agencies, who have supplied and commissioned at least one Single Phase Industrial Vacuum Cleaner of at least 250 mbar or better vacuum capacity in past ten years and such Vacuum Cleaner was working satisfactorily for more than one year after commissioning, should quote. The period should be prior to tender opening date.</p> <p>The following information should be submitted by the vendor about the companies where aforementioned Single Phase Industrial Vacuum Cleaner has been supplied. This is required from all the vendors for qualification of their offer.</p>	Vendor to accept & confirm.	
1. Name of the customer / company where referred Single Phase Industrial Vacuum Cleaner have been supplied.	Vendor to inform.	
2. Complete postal address of the customer.	Vendor to inform.	
3. Month & Year of commissioning.	Vendor to inform.	
4. Parameters and application for which Single Phase Industrial Vacuum Cleaner is supplied.	Vendor to inform.	
5. Name and designation of the contact person of the customer.	Vendor to inform.	
6. Phone, FAX no. and email address of the contact person of the customer.	Vendor to inform.	
7. Performance certificate from the customers regarding satisfactory performance of Vacuum Cleaner supplied to them (Original Certificate or Through E-mail directly from the customer). The original performance certificate may be returned after verification by BHEL, if required.	Vendor to submit.	
8. BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false/ incorrect, the offer shall be rejected.	Vendor to accept & confirm.	

N's Ranab
N'S RANAB
DGM(BLK-1)

Ravi Prakash
RAVI PRAKASH
DY. MANAGER(CIM)

U R Singh
U R SINGH
DGM(EMT)

Shankar
31/07/15