

S. No.	DESCRIPTION OF BHEL REQUIREMENT	REQUIRED	OFFERED	DEVIATION	REMARKS
16.04	Electronic Controller (as stated in point 9.13 above) - 2 No.	Vendor to confirm & offer			
16.05	Inlet Air Filters- 6 no.	Vendor to confirm & offer			
16.06	Inlet Valve-4 no.	Vendor to confirm & offer			
16.07	Airend or compressor screw element-1 no	Vendor to confirm & offer			
16.08	Pressure switches / pressure sensors-4 no	Vendor to confirm & offer			
16.09	Air oil separator element - 16 no	Vendor to confirm & offer			
16.10	Oil Filters - 16 no	Vendor to confirm & offer			
16.11	Oil cooler - 2 no	Vendor to confirm & offer			
16.12	Belts - 4 sets	Vendor to confirm & offer			
17.00	OPERATING CONDITIONS:	Vendor to accept & confirm.			
17.01	Supply condition: All machine electrical, controls and paint shall be suitably tropicalized. The machine should work trouble free in the following conditions: Power Supply: 3 Phase AC 415V (+10/ 15%) 50Hz +/- 3%, 3 wire system Room Temperature : 1 deg to 46 deg Celcius Humidity : 50% to 95%	Vendor to accept & confirm.			
17.02	Power Supply Voltage will be provided by BHEL. at a single point near the machine, as per layout recommended by Vendor. All types of cables, connections, circuit breakers etc. required for connecting BHEL's power supply point to different parts of the machine/control cabinets, shall be the responsibility of vendor. Vendor should ensure the proper earthing for the equipment and its peripherals/accessories. The vendor can take earthing connection from the nearest available location of the production shop.	Vendor to accept & confirm.			
18.00	OTHER TECHNICAL DETAILS:	Vendor to confirm and submit necessary details.			
18.01	Following technical details/ features are to be quoted/ submitted with the technical offer:	Vendor to confirm and submit necessary details.			
18.02	Arrangement of lubrication of all moving/ rotating parts.	Vendor to confirm and submit necessary details.			
18.03	The construction details of all machine assemblies/ sub-assemblies and all major machine elements/ accessories.	Vendor to confirm and submit necessary details.			
18.04	The total connected load of the machine and peripherals.	Vendor to confirm and submit necessary details.			

Sanjiv Kumar
(Dy. Mgr., TBM-PEE) 20/05/23

Ratnesh Kumar
(SE, Maint-E)

30/05/23

(Mgr., Maint-NUS)

30/05/23

S. No.	DESCRIPTION OF BHEL REQUIREMENT	REQUIRED	OFFERED	DEVIATION	REMARKS
18.05	Total machine weight and maximum weight of sub-assembly(s) to be handled during commissioning.	Vendor to confirm and submit necessary details.			
18.06	Floor space requirement, over all size and height of the machine/ equipment.	Vendor to confirm and submit necessary details.			
18.07	Details of vibration damping arrangement if applicable.	Vendor to confirm and submit necessary details.			
18.08	Detailed catalogues, sketch/ photograph of the machine accessories/ attachments if any.	Vendor to confirm and submit necessary details.			
18.09	Detailed Electrical circuit diagram of Control & Power system to be supplied - 3 Copies	Vendor to confirm			
19.00	TROPICALISATION	Vendor to confirm			
19.01	All electrical / electronic equipment shall be tropicalized.	Vendor to confirm			
19.02	All electrical & electronic control cabinets & panels should be dust and vermin proof.	Vendor to confirm			
19.03	All motors shall conform to IEC or Indian Standards	Vendor to confirm			
20.00	SAFETY ARRANGEMENTS	Vendor to confirm			
20.01	Following safety features in addition to other standard safety features should be provided on the machine:	Vendor to confirm and comply			
20.02	Emergency Switches at suitable locations should be provided.	Vendor to confirm and comply			
20.03	Automatic over load protection	Vendor to confirm and comply			
20.04	Adequate protection for all moving and rotating parts to be ensured	Vendor to confirm and comply			
21.00	ENVIRONMENTAL PERFORMANCE OF THE MACHINE	Vendor to confirm			
21.01	The Machine should conform to following factors related to environment :	Vendor to confirm.			
21.02	Maximum noise level shall be 72 dB (A) at 1 meter away from the machine with correction factor for back ground noise, if necessary. This will be measured as per international standards like ISO 2151. Supplier to demonstrate compliance to noise level, if asked for.	Vendor to confirm.			
21.03	There should not be any effluent from the machine. In case there are any effluents from the machine, requisite effluent treatment plant or pollution control device should be built into the machine by the supplier.	Vendor to confirm.			
21.04	No hazardous chemicals shall be required to be used in the machine without provision of proper precautions.	Vendor to confirm.			

3

20/11/2013

Suman
30/5/13

30/05/13
Ratnesh Kumar
(SE, Maint-E)

20/11/2013
N. Tenzin
(Mgr, Maint-NBS)

Sarjiv Kumar
(Dy Mgr., TSM-PEB)

S. No.	DESCRIPTION OF BHEL REQUIREMENT	REQUIRED	OFFERED	DEVIATION	REMARKS
21.05	If any safety / environmental protection enclosure is required it should be built in the machine by the vendor.	Vendor to confirm.			
22.00	PACKING	Vendor to offer			
22.01	Rigid packing be made for all items of complete machine, all accessories and other supplied items to avoid any damage/loss in transit. When machine is despatched in containers, all small loose items shall be suitably packed in boxes.	Vendor to offer			
23.00	GUARANTEE	Vendor to offer			
23.01	Guarantee for complete compressor, control system and all supplied accessories/equipments for 24 months from the date of final acceptance of the machine as per Clause 15.01 .Any spare required during guarantee period shall have to be arranged by the vendor free of cost and duty levied (if any) have to be borne by the vendor at BHEL works.	Vendor to offer			
24.00	QUALIFYING CRITERIA:	Vendor to accept & confirm			
24.01	Only those vendors (OEMs) should quote who have supplied and commissioned at least one air compressor of same or higher capacity (clause 1.0 & 3.0) in the past ten years (on the date of opening of Tender) and referred machine is presently working satisfactorily for more than one year after commissioning (on the date of opening of Tender). The following information is to be submitted by the vendor about the companies where similar machines have been supplied. This is required from all the vendors for qualification of their offer.	Vendor to accept & confirm			
24.02	.Name of the customer / company where referred machine is installed.	Vendor to inform			
24.03	Complete postal address of the customer.	Vendor to inform			
24.04	Month & Year of commissioning	Vendor to inform			
24.05	Parameters of machine(s) supplied (Capacity and Power) and application for which the machine is supplied	Vendor to inform			

2.5
30/5/13

Sanjiv Kumar
(Dy. Mgr., TBM-PEB)

Ratnesh Kumar
(SE, Maint-E)

6/2013
N. Manzin
(Mgr, Maint-NBS)

S. No.	DESCRIPTION OF BHEL REQUIREMENT	REQUIRED	OFFERED	DEVIATION	REMARKS
24.06	Name, designation, phone no., fax no., and e-mail address of the contact person of the customer mentioned in clause 24.02	Vendor to inform			
24.07	Performance certificate from the customers regarding satisfactory performance of machine supplied to them (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			
24.08	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			

[Handwritten signature]
30/5/13

[Handwritten signature]
30/5/13

[Handwritten signature]
30/05/13

[Handwritten signature]
N. Fenzin
(Mgr, Maint-NBS)

Sanjiv Kumar
(Dy. Mgr., TBM-PEB)

Ratnesh Kumar
(SE, Maint-E)