

TECHNICAL BID & PQR FOR SUPPLY OF OIL CHILLER & PANEL A/C.

Table-I

S.N	General PQR & Warranty for all quoted items	Requirement	Vendors Comment
1	The Vendor should be Original Equipment Manufacturer and ISO 9001:2008 certified company.	Provide details of Website, Excise duty registration, Quality & process control certification details.	
2	The vendor should have service Center & network in India, preferably in Uttar Pradesh / NCR / Kolkata (desirable)	Provide contact details of nearest authorized service centre.	
3	All Equipment to be covered under Warranty of 12 months from the date of successful commissioning of equipment or 18 months from the date of Dispatch whichever is earlier. During Warranty period the vendor shall supply replacement of defective parts, depute service Engineer and rectify all faults on receipt of complaint w/o any charges.	To Confirm	
4	1 Set of original O&M Manual with complete part list, Maintenance Check points should be supplied with each unit.		

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Table II: Technical Bid & PQR for RVA205000029: Supply & Installation of Oil Cooler Capacity: 3000 kcal/hr.

S.N	FUNCTION	RANGE/SPECIFICATION	Vendors Response
1	Cooling Capacity	3000 Kcal/HR (Min)	
2	Ambient Temperature Range	6-48 deg. Celsius	
3	Condenser & Evaporator Fan Motor	Ebm papst, Kanbo / Hicool / EBM Nadi only.	
4	Refrigerant	R 134a	
5	Oil Circuit Piping & Pump	Mild Steel / G I / Hydraulic Hose and Pump Make Dowty /Yuken.	
6	Medium to be Cooled	Hydraulic Oil	Vendor to Confirm & Specify
7	Electrical Specifications	3 Phase 415V, 50 Hz. & Control voltage at 230V A.C.	
8	Condenser	Air Cooled, Copper tube with Aluminium fins	
9	Evaporator	Imported SS Brazed Plate Type of Make Kaori / Gea / SWEP / Equivalent.	
10	Refrigeration Items	Filter Drier of Make Emerson/Danfoss	
11	Compressor	Make Copeland/Danfoss/Tecumseh	
12	Safety	Single Phase Preventer of Make Crouzet / Omron / Equivalent	
		Motor & Compressor overload protection of Make Telemecanique / Siemens/L&T	
		HP / LP cut off switch of Danfoss/ALCO Make	
13	LED Indications	Compressor 'Trip', HP / LP 'Trip' of Teknik / Equivalent make.	
14	Temperature Controller	Digital/LED/LCD type with display of Make Sub Zero	

15	Structure	MS Frame with MS Sheets, Powder Coated:		
16	LV Switchgears	Contactors/MCB of Make Telemecanique / Siemens/L&T.		
17	Structure & Colour	MS Frame with MS Sheets, Powder Coated Siemens Grey 7032.	Vendor to Confirm & Specify	
18	Documentation	1 Set of original O&M Manual with complete part list, Maintenance Check points should be supplied with each unit.		
19	Technical Catalogue	Technical catalogue, specification sheet required	Vendor to attach.	
20	Pre Qualifying Criteria	The vendor should have supplied same/higher rating item to any CPSE or any other organization under GOI in past 04 years.	Attach copy of complete PO	

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Table III: RVA205000037 - Technical Bid & PQR for Supply & Installation of Panel AC of Cooling Capacity 1500 Watt for CNC machines as per details mentioned under.

	Specification		Vendors Response
1	Cooling Capacity	1500 Watt approx	
2	Application	Cooling of electrical panel of CNC machine	
3	Ambient Operating Temperature	6 degree C- 48 degree C	
3	Fan & Evaporator Motor	Ebm papst,Kanbo / Hicool / EBM Nadi, Elitek only.	
4	Mounting	Side/Door mounting	
5	Refrigerant	R 134a	
6	Filter Drier	Emerson/Danfoss	Vendor to Confirm & Specify
7	Compressor	Make Copeland/Danfoss/Recumseh	
8	Temperature Controller	Digital/LED/LCD type with display Make SubZero	
9	LV Switchgears	Contactors/MCB Make Telemecanique/ Siemens/L&T	
10	Structure & Colour	MS Frame with MS Sheets, Powder Coated Siemens Grey 7032.	
11	Documentation	1 Set of original O&M Manual with complete part list, Maintenance Check points should be supplied with each unit.	
12	Technical Catalogue	Technical catalogue, specification sheet required	Vendor to attach.
13	Pre Qualifying Criteria	The vendor should have supplied same/higher rating item to any CPSE or any other organization under GOI in past 04 years.	Attach copy of complete PO

Table -IV RVA205000045: Technical Bid & PQR for Supply & Installation of pendant A/C unit of cooling capacity 250 Watt as per details mentioned under

	Specification		Vendors Response
1	Cooling Capacity	250 Watt approx	
2	Application	Cooling of electrical Pendant of CNC machine	
3	Ambient Operating Temperature	6 degree C-48 degree C	
4	Mounting	Side/Door/Pendant	
5	Refrigerant	R 134a	
6	Electrical Specifications	Single Phase 230V, 50 Hz.	Vendor to confirm & Specify
7	Compressor	Make Copeland/Danfoss/Tecumseh	
8	Filter Drier		
9	Temperature Controller	Digital/LED/LCD type with display Make Subzero	
10	Structure & Colour	MS Frame with MS Sheets, Powder Coated with SIEMENS Gray 7032	
11	LV Switchgears	Contactors/MCB Make Telemecanique/ Siemens/ L&T Equivalent	
12	Documentation	1 Set of original O&M Manual with complete part list, Maintenance Check points should be supplied with each unit.	
13	Technical Catalogue	Technical catalogue, specification sheet required	Vendor to attach.
14	Pre Qualifying Criteria	The vendor should have supplied same/higher rating item to any CPSE or any other organization under GOI in past 04 years.	Attach copy of complete PO

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RVA205000029: Supply & Installation of Oil Cooler Capacity: 3000 kcal/hr as per technical details mentioned under:

	Specification		MAKE
1	Cooling Capacity	3000 Kcal/HR (Min)	
2	Maximum Ambient	48 deg. Celsius	
3	Condenser & Evaporator Fan Motor		Ebm papst, Kanbo / Hicool / EBM Nadi only.
4	Refrigerant	R 134a	
5	Oil Circuit Piping & Pump	Mild Steel / G I / Hydraulic Hose	Pump Make Dowty /Yuken.
6	Medium to be Cooled	Hydraulic Oil	
7	Electrical Specifications	3 Phase 415V, 50 Hz. & Control voltage at 230V A.C.	
8	Condenser	Air Cooled, Copper tube with Aluminium fins	
9	Evaporator	Imported SS Brazed Plate Type	Kaori / Gea / SWEP / Equivalent
10	Refrigeration Items	Filter Drier	Emerson/Danfoss
		Inspection Valve	Emerson/Danfoss
11	Compressor	Reciprocating /Scroll	Copeland/Danfoss
12	Safety	Single Phase Preventer	Crouzet / Omron / Equivalent
		Motor & Compressor overload protection	Telemecanique / Siemens/L&T
		HP / LP cut off switch	Danfoss /ALCO
13	LED Indications	Compressor 'Trip' ,HP / LP 'Trip'	Teknic / Equivalent make)
14	Temperature Controller	Digital/LED/LCD type with display	Subzero
15	Structure	MS Frame with MS Sheets, Powder Coated:	
16	LV Switchgears	Contactors/MCB	Telemecanique / Siemens/L&T
17	Structure & Colour	MS Frame with MS Sheets, Powder Coated Siemens Grey 7032.	
18	O&M Manual	Set O&M Manual with complete part list, Maintenance Check points.	
19	Warranty	Equipment to be covered under Warranty of 12 months from the date of successful commissioning of equipment. During Warranty period the vendor shall supply replacement of defective parts, depute service Engineer and rectify all faults within 48 hrs of receipt of complaint w/o any charges.	

RVA205000037 - Supply & Installation of Panel AC of Cooling Capacity 1500 Watt for CNC machines as per details mentioned under:

	Specification		MAKE
1	Cooling Capacity	1500 Watt	
2	Application	Cooling of electrical panel of CNC machine	
3	Ambient Operating Temperature	10 degree C- 50 degree C	
3	Fan & Evaporator Motor		Ebm papst, Kanbo / Hicool / EBM Nadi, Eltek only.
4	Mounting	Side/Door mounting	
4	Refrigerant	R 134a	
5	Filter Drier		Emerson/Danfoss
6	Electrical Specifications	Single Phase 230V, 50 Hz.	
7	Compressor	Reciprocating	Copeland/Danfoss/Tecumseh
8	Temperature Controller	Digital/LED/LCD type with display	Subzero
9	LV Switchgears	Contactors/MCB	Telemecanique/ Siemens/L&T
10	Structure & Colour	MS Frame with MS Sheets, Powder Coated Siemens Grey 7032.	
11	O&M Manual	3\Set O&M Manual with complete part list, Maintenance Check points.	
12	Warranty	Equipment to be covered under Warranty of 12 months from the date of successful commissioning of equipment. During Warranty period the vendor shall supply replacement of defective parts, depute service Engineer and rectify all faults on receipt of complaint w/o any charges.	

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RVA205000045: Supply & Installation of pendant A/C unit of cooling capacity 250 Watt as per details mentioned under:

	Specification		Make
1	Cooling Capacity	250 Watt	
2	Application	Cooling of electrical Pendent of CNC machine	
3	Ambient Operating Temperature	10 degree C- 50 degree C	
4	Mounting	Side/Door	
5	Refrigerant	R 134a	
6	Electrical Specifications	Single Phase 230V, 50 Hz.	
7	Compressor	Reciprocating	Copeland/ Danfoss/Tecumseh
8	Filter Drier		Emerson/ Danfoss
9	Temperature Controller	Digital/LED/LCD type with display	Subzero
10	Structure & Colour	MS Frame with MS Sheets, Powder Coated with SIEMENS Gray 7032	
11	LV Switchgears	Contactors/MCB	Telemecanique/ Siemens/ L&T Equivalent
12	O&M Manual	Ø Set O&M Manual with complete part list, Maintenance Check points.	
13	Warranty	Equipment to be covered under Warranty of 12 months from the date of successful commissioning of equipment. During Warranty period the vendor shall supply replacement of defective parts, depute service Engineer and rectify all faults on receipt of complaint w/o any charges.	

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