

Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 15:00:00
Bid Opening Date/Time	27-07-2020 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Railways
Department Name	Na
Organisation Name	N/a
Office Name	Central Railway Hq Stores Deptt.
Total Quantity	1
Item Category	air compressors
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	No
Inspection Required	No
Estimated Bid Value	185000

EMD Detail

Required	No
----------	----

ePBG Detail

Required	No
----------	----

Splitting

Bid splitting not applied.

Air Compressors (1 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
PRIME MOVER	Type of Prime Mover	TEFC (Totally Enclosed Fan - Cooled) Electric Motor	TEFC (Totally Enclosed Fan - Cooled) Electric Motor

	Power Supply	Three Phase, 415 ± 10% V AC, HZ	Three Phase, 415 ± 10% V AC, HZ
	Type of Drive	Belt Drive	Belt Drive
	"Engine oil capacity (May indicate '0' if Not Applicable)"	-	*
	"Fuel Tank capacity (May indicate '0' if Not Applicable)"	-	*
	Make of Engine	-	*
	Model Number of Engine	-	*
	Power Rating of Prime Mower	-	*
	Prime Mover complies to latest CPCB norms	NA for Electric motor	*
COMPRESSOR	Type of Air Compressor	Positive displacement - Reciprocating Piston Type	Positive displacement - Reciprocating Piston Type
	Duty Cycle	Continuous	Continuous
	Type of Mounting	Tank Mounted	Tank Mounted
	Number of Stages for compression	Two	Two
	Cooling System	Air Cooled	Air Cooled
	Lubrication Type	Oil Lubricated	Oil Lubricated
	Inter Cooler	With	With
	After Cooler	Without	Without
	Moisture separator	Without	Without
	Oil Separator	Without	Without
	Oil Cooler	Without	Without
	Refrigerated Dryer	Without	Without
	Heatless Dryer	Without	Without
	Air Filter	With	With
	Rated Discharge Pressure (kg/cm²)	12.0 to 12.9	12.0 to 12.9
	Gauranteed Free Air Delivery (FAD) at rated Pressure (Test procedure as per IS: 5456 - latest / ISO: 1217 - latest(CFM)	48	48, 50, 60, 64, 68, 70, 73, 80, 90, 100, 105, 110, 120, 125, 130, 140, 150, 160, 170, 180, 190, 200, 250, 300, 315, 340, 350, 360, 380, 400, 410, 415, 450, 470, 495, 500, 510, 540, 550, 570, 600, 635, 650, 675, 700, 750, 800, 850, 900, 1000, 1050, 1100, 1150, 1200, 1250, 1300, 1350, 1400, 1450, 1500, 1550, 1600, 1650, 1700, 1750, 1800, 1850, 1900, 1950, 2000, 54, 75, 210 Or higher
	Discharge Air Purity in respect of Solid Particles (as per ISO 8573-1 - latest	NA	NA, CLASS X, CLASS 7, CLASS 6, CLASS 5, CLASS 4, CLASS 3, CLASS 2, CLASS 1, CLASS 0 Or higher

	Discharge Air Purity in respect of humidity and liquid water (as per ISO 8573-1 - latest	NA	NA, CLASS X, CLASS 9, CLASS 8, CLASS 7, CLASS 6, CLASS 5, CLASS 4, CLASS 3, CLASS 2, CLASS 1, CLASS 0 Or higher
	Discharge Air Purity in respect of total Oil (as per ISO 8573-1 - latest	NA	NA, CLASS X, CLASS 4, CLASS 3, CLASS 2, CLASS 1, CLASS 0 Or higher
	Noise level in dB	80	*
	conformity to Standards	IS: 5456 - latest	*
	Compressor - ISI Marked to IS: 5456 - latest	No	Yes, No
	"If ISI marked, BIS License number (CM/L No) (May indicate '0' if Not Applicable)"	-	*
BATTERY	Battery Type & Specification	NA	*
	"Battery capacity (Ah) (May indicate '0' if Not Applicable)"	0	*
	"No of batteries required for operation (May indicate '0' if Not Applicable)"	0	*
	"No of batteries (inclusive in the scope of supply) (May indicate '0' if Not Applicable)"	0	*
	Availability of Test Report for Battery as per conforming specification	NA	NA
AIR RECEIVER	Air Receiver Supplied with Compressor	Yes	Yes
	Layout of Air Receiver	Horizontal	*
	Conformity to Indian Standard	Generally conforming to IS 7938 - latest	*
	Capacity of Air Receiver (Liters)	500	500
	"Maximum Working Pressure (May indicate '0' if Not Applicable)"	12	12.0
INTER COOLER / AFTER COOLER	Type of Inter Cooler / After Cooler	Shell and Tube Type	Shell and Tube Type
	Design of Tube / Plate of Inter Cooler / After Cooler	Finned	Finned
	Material of Shell	Carbon Steel	Carbon Steel
	Material of Tube / Plate	Copper Alloy	Copper Alloy
	Material of Fin	Carbon Steel	Carbon Steel
TRAILER	Trailer	Without	Without
	"Weight of Trailer with draw bar (May indicate '0' if Not Applicable)"	0	*
	"No of wheels (May indicate '0' if Not Applicable)"	0	*

	Type of wheel Tyre	NA	*
	"Wheel Tyre size (May indicate '0' if Not Applicable)"	0	*
	"Trailer Complying to CMVR act and Regulation supplied (Note: Mandatory with Mobile air compressor)"	NA	*
Instrumentation and safety devices	Instrumentation and safety devices	Safety Valve on air/oil separator vessel,Unloaded Valve,Discharge pressure gauge,Lubricating oil pressure gauge,High air discharge pressure safety switch,High air discharge temperature safety switch,Power-'On-off' light indicator,Mains Circuit Breaker,Pressure gauges for each interstages manifold and for final air discharge,Safety Valve on Air Receiver	Discharge pressure gauge, High air discharge pressure safety switch, High air discharge temperature safety switch, Lubricating oil pressure gauge, Mains Circuit Breaker, Power-'On-off' light indicator, Pressure gauges for each interstages manifold and for final air discharge, Safety Valve on air/oil separator vessel, Safety Valve on Air Receiver, Unloaded Valve
OPERATING CONDITIONS	Minimum Operating Temperature	5	-10, -5, 0, 5 Or lower
	Maximum Operating Temperature	50	50, 55, 60, 65, 70 Or higher
	Operating Humidity, Rh at 40 deg C	65	65, 70, 75, 80, 85, 90, 95 Or higher
	Maximum Altitude without derating correction	1000	1000, 1500, 1800, 2000, 2500, 3000, 4000, 4200, 4500, 5000 Or higher
WARRANTY	Warranty on Compressor Equipment	1	1, 2, 3, 4, 5 Or higher
	"Warranty on Air End (May indicate '0' if Not Applicable)"	0	0, 1, 2, 3, 4, 5 Or higher
	Warranty on Prime Mover	1	1, 2, 3, 4, 5 Or higher
	Warranty on Battery	0	1, 2, 3, 4, 5, 0 Or higher

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Ridhima Singh	400024,Office of the DSL Kurla East, Central Railway Mumbai	1	15

Bid Specific Additional Terms and Conditions

- 1.Scope of supply (Bid price to include all cost components) : Only supply of Goods
- 2.Warranty period of the supplied products shall be 5 years from the date of final acceptance of goods or after

completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---