



**Sale of**

# **2X275 TPD RUNNING OXYGEN PLANT**

**Of Linde India Ltd**

At Jamshedpur

Conducted by **mjunction services ltd**





**valuejunction** a business unit of **mjunction services limited** has been appointed by Linde India Ltd to sell their **2x275 TPD Running Oxygen Plant of Linde India Ltd from Jamshedpur.**

**About mjunction services limited:** mjunction services limited, is a 50:50 venture promoted by SAIL and TATA Steel. Founded in February 2001, it is today not only India's largest ecommerce company (having e-Transacted worth over INR 3,52,000 crore till date) but also runs the world's largest e-Marketplace for steel. Business volume of the company in terms of Transaction Value has soared from INR 94.35 crore in FY'02 to INR 43,108 crore in FY'14, registering a CAGR of 72%.

**About Linde India Limited:** Linde India Limited (formerly BOC India Limited) has adapted global expertise to cater the needs of the Indian industry. Linde has been operating for more than 79 years, delivering innovative, quality and reliable services and solutions that create value for their customers.

Linde India Limited, formerly BOC India Limited, is a member of The Linde Group and the leading industrial gases company in India. Combining The Linde Group's advanced technology, our deep understanding of our customers' businesses and strong local expertise in gases and engineering, we are able to provide tailor-made solutions that help our customers to increase efficiency, productivity and flexibility in their operations, while reducing energy costs and safeguarding the environment.

**For further information regarding inspection & purchase of the plant please contact the below mentioned contact person from mjunction services ltd:**

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## Major Items under sale

Material Description	Quantity
Main Air Compressor with Motors DEMAG VK63	2 Nos.
Oxygen Compressor with Motors	2 Nos.
Nitrogen Compressor with Motors	4 Nos.
Cold Box with rectification column Heat Exchanger & VAP Cooling Unit	2 Sets
Transformers with Panel	3 Nos.
Circulating Pumps	2 No.
Instrument of Air compressor	1 Lot
Thawing Heater	2 Nos.
Direct Cooler with Pump & Motor	1 No.
Evaporative Cooler with pump,	2 Nos.
Regeneration Heater	1 No.
Cooling water/Cold Well pumps with Motor	4 Nos.
Cooling Tower only Fan & Motor	1 No.
Nitrogen Blower with Motor	1 No.
SSF Pumps & Motor	1 No.
Moisture Separator	1 No.
Molecular Sieve Unit	2 Nos.
Analysers; Oxygen, Nitrogen, Carbon-Di-oxide, Moisture	1 No.
All pipe Lines attached with Compressors within the compressor Room	
Refrigeration Unit Compressor, Pump Motor etc.	1 No.
Expansion Turbines Cryostar TG 120; 6.0 / 0.5 Kg/cm <sup>2</sup> g; 25000 rpm	1 No.

**Materials are being offered on “as is where is” basis. Bidders are advised to inspect the materials and satisfy themselves before quoting.**

## Brief Specifications of Major Items

<b>2X275 TPD Plant Major Equipments : -</b>	
<b>Air Compressor -</b>	
Make	Demag
Year of manufacture	1981
Design Capacity	57143 NM3/Hr
<b>Air Compressor Motor -</b>	
Make	Persons Peebles (NEI)
Year of manufacture	1981
Rating	5.4 MW
<b>Oxygen Compressor -</b>	
Make	Linde
Year of manufacture	1981
Design Capacity	7991 NM3/hr
<b>Oxygen Compressor Motor -</b>	
Make	Persons Peebles
Year of manufacture	1981
Rating	1.8 MW
<b>Nitrogen Compressor -</b>	
Make	APE Belliess
Year of manufacture	1981
Design Capacity	1450 NM3/Hr
<b>Nitrogen Compressor Motor-</b>	
Make	Brown Boveri / NGEF
Year of manufacture	1981
Rating	150 KW
<b>Expantion Turbine -</b>	
Make	BHS Werk Sonthofen
Year of manufacture	1981
Design Capacity	4560 NM3/Hr
<b>Expantion Turbine Motor -</b>	
Make	Hawkar Siddey Hhotrio
Year of manufacture	1981

Rating	110 KW
<b>Refrigeration Compressor -</b>	
Make	Alfa Level (York India)
Year of manufacture	1990
<b>Refrigeration Compressor Motor -</b>	
Make	Siemens
Year of manufacture	1990
Rating	203 KW
<b>DC Pump -</b>	
Make	Mather + Platt
Year of manufacture	1981
Design Capacity	142 M3/Hr
<b>Thawing Heater -</b>	
Make	Eltron (London) Ltd
Year of manufacture	1981
Rating	80 KW
<b>Analysers : -</b>	
<b>Oxygen Analyser -</b>	
Make	Kent
Model	BBC 4237
<b>Oxygen Analyser Indicator -</b>	
Make	Masibus / Kent
Model	DTC 5002U / Clearspan P130L
<b>Nitrogen Analyser -</b>	
Make	BOC (London) / Servomax
Model	Z OX Meter / 4100
<b>CO2 Analyser -</b>	
Make	Rosemount
Model	NGA 2000
<b>Moisture Analyser -</b>	
Make	SHAW
Model	SHA - TR
<b>Total Hydrocarbon Analyser -</b>	
Make	Siemens
Model	Oxymat 61
<b>Power Consumption / Specific Power</b>	<b>1.36 KWH/Ton of O2 production</b>



## Technical Data Sheet of 2 x 275 TPD ASUs

### Throughput

ASU 1 275 tpd	Product	Minimum	Peak
	HP GOX	205 tpd	250 tpd
	MP GAN	140 tpd	250 tpd
	HP GAN*	At the expense of MPGAN	

ASU 2 275 tpd	Product	Minimum	Peak
	HP GOX	215 tpd	255 tpd
	MP GAN	140 tpd	240 tpd
	HP GAN	At the expense of a part of MPGAN by compression.	

### Product Purities

Oxygen > 99% purity  
Nitrogen < 50 ppm O<sub>2</sub>

### Product pressures (bar g)

Product	ASU 1 & ASU 2
HPGOX	< 30
MPGAN	5.5
HPGAN	< 35

