

NITROGEN GAS GENERATOR

Sr#	Description	Qty
1	<p><u>Nitrogen Gas Generator, Skid Mounted</u> Process: Pressure Swing Adsorption Capacity: 120 Nm³/hr Nitrogen Gas Purity: ≥ 99% Working Pressure: 0-10 bar (adjustable) Ambient Temperature: 46°C Operational Control: PLC Power 380-420 V, 50 Hz, 3-phase <u>Integral Components:</u> a) <u>PLC Controlled Screw Compressor</u> I. Air cooled II. Along with Suction Air Filter III. In-line Liquid-Gas Separator before Dryer b) <u>PLC Controlled Refrigerated Dryer</u> I. Refrigerant: 404A or latest II. Digital Display of temperature & Dew Point c) <u>Set of Filters for Removal of Organic Impurities</u> I. 1.0 micron II. 5.0 micron d) <u>Air Storage Tank</u> Equipped with Safety Valve, Drain Valve and Pressure Gauge I. Quantity: One II. Capacity: 4 m³ III. Working Pressure: 10 bar IV. Test Pressure: 14 bar (Mill Test Certificate must be provided) e) <u>PLC Controlled Twin Bed PSA</u> I. Equipped with Pressure Regulator & Flow Meter II. In-Line Digital Nitrogen Gas Purity Meter with Display in Percentage & PPM f) <u>Nitrogen Gas Storage Tank</u> Equipped with Safety Valve, Drain Valve, In/Out Pressure Gauge I. Quantity: 2 II. Capacity: 4 m³ each III. Working Pressure: 10 bar IV. Test Pressure: 14 bar (Mill Test Certificate must be provided)</p>	One
2	<p><u>Spare Parts (Compatible with Item No.1)</u> a. Spare Screw Air Compressor b. Spare Refrigeration Air Dryer</p>	<p>One One</p>

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3	c. <u>Spare parts for PSA, including:</u>	
	I. Spare Pneumatic Valves along with fittings and Pneumatic Tubes	3 Sets
	II. Pressure Regulators	3
	III. Flow Meters	3
	IV. Digital Nitrogen Gas Purity Meter with Display in Percentage & PPM	2
	V. PLC complete with hardware Software	One
	d. <u>Spare Parts for Screw Air Compressor, including</u>	
	I. Oil Filters	6
	II. Air Filters	6
	III. Oil Separator Filter Element	6
	IV. Lubricating Oil	216lit
	V. Pressure and Temperature Sensors	3 Sets
	e. <u>Solenoid valves with timers for filters and drain points of air vessel and dryer</u>	6 Sets
	<u>Literature In English Language Including</u>	2 Sets
	I. Wiring and Control Drawings of PLC	
	II. Electrical Drawings	
	III. Installation and Operational Manuals	
	IV. Flow Diagram including Fault Finding Procedure and its Remedies	