

Budgetary Offer Notice No. TS-2/8 of 2021-22

**Government of Maharashtra**  
**Executive Engineer, Mechanical Division, Kolhapur.**

**Name of Work:-** Design, Supply, Installation, Testing & Commissioning of on site PSA medical oxygen generation plant along with Booster Refilling system with Standard accessories at various Government Hospitals in Kolhapur district, Maharashtra.

Budgetary offer for the above work are invited by the Executive Engineer, Mechanical Division, Kolhapur-416003 Phone No.0231-2651284 for estimation purpose from the reputed Manufacturers / Companies . This work has to be executed as an emergency work of Covid-19 pandemic situation, so budgetary offers are invited by this office by post and email (Email ID :- eemdkop@gmail.com) within 2 days from the date of publishing this enquiry.

**The offer shall consist of BASIC Rate only and all taxes, GST, Duties and transportation etc. shall be mentioned separately. The details of items are also available on Government website <https://mahavantriki.org>**

**Description Of Work :**

Design, Supply, Installation, Testing & Commissioning of on site PSA medical oxygen generation plant along with Booster Refilling system with Standard accessories at various Government Hospitals in Kolhapur district, Maharashtra.

Confirming to following specifications as below.

PSA medical oxygen generation plant along with Booster Refilling system with Standard accessories Microprocessor based (PLC with HMI screen) fully automatic oxygen generation plant as per ISO 10083:2006 standard to produce 10/30/50 NM<sup>3</sup>/Hr oxygen with oxygen purity of 93 ± 3%. Continuous oxygen supply through a single unit at pressure of 5 bar.

The plant should comprise following items:

Rotary Screw Air Compressor, Refrigeration Air Dryer, Activated Alumina, Pneumatic valves & Solenoid valves, Control Panel Switch Gear, Molecular Sieves, Oxygen tank filters (Pre, after and bacteria filters), Oxygen Flow Meter, Oxygen Analyzer Sensor, Stainless Steel System Piping, Oxygen Receiver Tank (2000 Ltr capacity), with switchover panel for standby Oxygen supply (for Backup cylinders).

Sr.No.	Specifications	Standard / Requirement	
		Qty: 1No.	Qty: 1No.
A	<b>PSA Oxygen Plant</b>		
1	capacity	<b>500 LPM / 30 NM<sup>3</sup>/Hr</b>	<b>1000 LPM / 60 NM<sup>3</sup>/Hr</b>
2	Oxygen purity	above 93 %	above 93 %
3	pressure in Tank	5 Bar	5 Bar

B	Oxygen Booster	Qty: 1No.	Qty: 1No.
1	Capacity	30 NM3/Hr	60 NM3/Hr
2	inlet pressure	4 bar	4 bar
3	outlet pressure	150 bar	150 bar
4	Voltage	400 V/50 HZ 3 Ph.	400 V/50 HZ 3 Ph.
5	Cooling Method	Air cooled	Air cooled
C	Manifold		
1	working pressure	150 Bar	150 Bar
2	Refilling Heads	Refilling Heads -10	Refilling Heads -10

If Any queries or any other additional information regarding above please Contact on address given below or Tel. No.

No. MDK/TS-2/ **1591** /2021

Office of the Executive Engineer

Mechanical Division, Sinchan Bhavan,

Tarabai Park, kolhapur. 416003.

**Tel No. 0231-2651284.**

Date: 27/05/2021

( S. M. Bagewadi)

Executive Engineer

Mechanical Division, kolhapur.