

1	ईमेल आईडी Email ID : con266.nvsn.mp@gembuyer.in संपर्क Contact : 07644-280067- जीएसटीआईएन GSTIN : - पता Address : C/o DR.HARSH PRATAP SINGH, JAWAHAR NAVODAYA VIDYALAYA DHAMANGAON, VILL- DHAMANGAON, POST- SHAHPUR, DISTT- DINDORI (MP) PIN - 481879 MOB. NO. 8965980009, DINDORI, MADHYA PRADESH-481879, India	Nipro RO Water Plant for Hemodialysis 1000 Ltrs/Hr Capacity	-	1	26-Mar-2024	10-Apr-2024
Product Specification for Nipro RO Water Plant for Hemodialysis 1000 Ltrs/Hr Capacity						
विनिर्देश Specification	उप-विनिर्देश Sub-Spec	मूल्य Value				
GENERAL FEATURES	Clinical Purpose	RO water for hemodialysis to be applied in therapies such as HD, SLED, HDF, HF				
	Product name	RO Water Plant for Hemodialysis				
	Plant capacity (Ltrs/Hr)	1000				
	Plant type	Microprocessor/microcontroller controlled Single stage RO water system (Feed water TDS less than 500 PPM)				
	Various stages in RO water treatment process	Pre-filter or Sediment filter, Carbon filter, Water softner, Reverse Osmosis system, Distribution system, Storage Tank, Ultraviolet disinfection, Final filtration, Final alarms, System monitoring and disinfection				
	System type	Online, Offline				
	System shall have microprocessor based control panel for ease of operation and inbuilt process logic	Yes				
	System shall have auto start/stop based on water level in the supply tank	Yes				
	System shall be equipped with Electrical panel/MCB for plant protection	Yes				
PRE-TREATMENT	Raw water mesh filtering size to prevent big dust/sand particles with back wash control	50 to 200 microns				
	Vertical water tank with automatic water float	Yes				
	Raw water pump with automatic pressure control and run dry protection	Yes				
	Raw water feed pump type	Centrifugal				
	Double raw water pump (one active and the other stand by)	Yes				
	Raw water feed pump capacity (LPH)	2000				
	Sand/iron filter with 20micron filter and sample valve	Yes				
	Softener for one in operation while the other in standby and vice-versa with sample valve with brain tank and automatic regeneration capacity	Yes				
	Double activated Carbon filter to remove Chlorine and Chloramines with sample valve	Yes				
	Micron particle filter after activated Carbon filter for removing suspended particles more than micron size	5				
	All pretreatment module should be programmable back wash and regeneration facility	Yes				
	Online rotameter for measuring flow	Yes				
	Pressure monitoring facility of all filtering stages with glycerin filled SS pressure gauge	Yes				
	Sample valve facility for all filtering stages	Yes				
RO UNIT FOR MAIN TREATMENT	Distribution of RO plant water sufficient for number of dialysis machines	10-15				
	Monitoring facility for input and output water conductivity, feed water pressure and injection flow rate	Yes				
	Alarm against low feed water, high output conductivity and high temperature of pump motor	Yes				
	Unused water feed back facility to RO unit for saving on water injection in online mode	Yes				
	The unit should be programmable and automatic rinsing/flushing facility at regular intervals when system is not in use, to prevent drying of filter media	Yes				
	Emergency mode operation to run permeate output in case of electronic failure	Yes				
RO MEMBRANE	Efficiency of unit with maximum saving of water (%)	55 to 75				
	Sample valve for permeate	Yes				
	Material of Booster pump (offline)	Stainless Steel 316				

POST TREATMENT	Vertical storage water tank with automatic float control for filling and dry run protection for off-line system	Yes
	Direct and indirect feed for full close loop distribution piping system	Yes
	Chemical disinfection and decalcification	Semi-automatic
	Provision of volume controlled heat disinfection of permeate loop complied with ISO 15883	No
	The permeate should be supplied to distribution loop through 0 point 2 micron bacteria filter for offline system using pex piping and high grade SS316 push pull connectors	Yes
	The distribution loop should contain loop pressure regulator to maintain the desired loop back pressure	Yes
USER INTERFACE	Digital display of values of Conductivity/permeable flow/reject flow/temperature/pressure monitoring	Yes
	Touch screen/button type illuminated display for easy to finger operation of user	Yes
	Signal and control lights with possibility to connect external lights	Yes
	Software update via SD Card or Ethernet	Yes
	Memory storage device	No
STANDARD CONSUMABLES AND ACCESSORIES	All media and consumables (membrane, cartidge filter, filter media, chemicals, softner salt) for setting up and standardization should be provided	Yes
	Seller should ensure the availability of all consumables required to run the RO plant during complete warranty period to be purchased by the buyer independently at actual cost	Yes
	UPS of Suitable Capacity to pe provided	No
CERTIFICATIONS & REPORTS	Submission of Test Report for permeate water quality as per AAMI/ISO-13959/13500 from Central Govt/NABL/ILAC accredited Lab to prove the conformity to declared specification after installation	YES
	Product certification	EU-CE
	Certificate No	301390 MR2
	Certificate Date	25.04.2019
	Certificate issuing authority	DQS Med
	Four digit number of notified body If product is EU-CE certified	297
	Certification, performance and safety standards specific to the device	IEC-60601
	Submission of all the certifications and test reports to the buyer along with supplies on demand	Yes
PRE-INSTALLATION REQUIREMENT FOR THE BUYER	All Pre-installation requirements along with site preparation should be provided by the seller to the buyer well in advance before the supply of equipment	Yes
	All Pre-installation requirements should be done by the buyer	Yes
	Minimum room size required for the plant (H x W x L) m	3x4.5x5
	Feed water line till RO room	Yes
	Number of drain outlets required	2
	Overhead tank for storage depending on plant size	Yes
	Door width required for RO room (cm)	152
	Airconditioning as per rquirements	Yes
	Power requirements	220-240 VAC, single phase
INSTALLATION & TRAINING	Supplier to perform installation, safety and operation checks before handover	Yes
	Training of users in operation and basic maintenance shall be provided	Yes
WARRANTY & MAINTENANCE	Warranty in Years (Option of comprehensive warranty is available through bidding only, which if opted will supersede normal warranty in the catalogue)	5
	User technical and maintenance manual detailing complete maintaining schedule with routine maintenance should be provided	Yes
	Contact details of manufacturer, supplier and local service agent to be provided	Yes

टिप्पणी | Note:: Seller has given an undertaking that it has made arrangements for getting the stores from an authorized distributor / dealer / channel partner of the OEM of the offered product. At the time of delivery of goods, Seller will provide necessary chain documents (in the form of GST Invoice) to prove that the supplied goods are genuine and are being sourced from an authorized distributor / dealer / channel partner of the OEM. In case of any complaint about genuineness of the supplied products, Seller shall be responsible for providing genuine replacement supplies.

ईपीबीजी विवरण | ePBG Detail

NA

नियम और शर्तें | Terms and Conditions

1. Special terms and conditions- Version:2 effective from 24-11-2023

1.1.1. Comprehensive warranty:

Comprehensive warranty shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares. During the warranty period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, at least once in six months. warranty shall not be including the consumables .Further there will be 98% uptime warranty during warranty period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend warranty period by double the downtime period.

2. Service centres:

Details of Service outlets in India to render services for equipment to be furnished to buyer/consignees with complete address ,telephone numbers, e mails etc at time of making the supplies .It shall be the responsibility of seller to ensure that authorized service centres are available to cater to the areas where supplies are made within reasonable distance from where the service calls can be handled. Details of toll free numbers for service call and online registration of service requests also to be provided buyer/consignee at the time of supplies.

3. Source of supply:

It shall be responsibility of seller to provide Documents regarding source of equipments such as copy of Performa invoice or any other documents to establish that the products supplied are manufactured by OEM indicated and sourced from them.

4. Packing and Marking:

Medical equipments being very delicate and sensitive packing for the goods should be strong and durable enough to withstand transit including transshipment (if any), rough handling, open storage etc. without any damage, deterioration etc. .The size, weights and volumes of the packing cases, remoteness of the final destination of the goods, availability or otherwise of transport and handling facilities at all points during transit up to final destination,. Quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall take in to consideration the type of medical equipments being supplied. The accessories shall be suitably labelled and packed .Each of the package shall be marked on three sides with indelible paint of proper quality: indicating contract number and date , brief description of goods including quantity ,. Packing list reference number , country of origin of goods and any other relevant details.

5. Spare Parts:

Seller shall provide materials, information etc. pertaining to spare parts manufactured and supplied by the OEM . It shall be ensured that the required spares are available for purchase at least for 10 years from date of supplies .In case due to any reasons the production of the spare parts is discontinued sufficient advance notice should be given to the buyer/consignee before such discontinuation to provide adequate time to purchase the required spare parts etc. Further, OEM and their service centres/dealers shall carry sufficient inventories to assure ex-stock supply of consumables and spares for the equipments so that the same are available.

OEM or reseller shall always accord most favoured client status to the buyer/consignee and shall give the most competitive price for spares and consumables of its machines/equipments supplied

6. Installation, Training, Manuals:

Seller shall be responsible to carry out Installation & commissioning, Supervision and Demonstration of the goods. They shall provide required jigs and tools for assembly, minor civil works for the completion of the installation and Training of Consignee's representatives for operating and maintaining the equipment and Supplying required number of operation & maintenance manual for the goods. In case the category parameters are specifying any requirements regarding the installations , training and manuals the same shall also be applicable.

7. Electrical safety checking:

Sellers are required to make sure that they furnish the list of equipments for carrying out routine and preventive maintenance to buyer/consignee .They should make sure to periodically check the electrical safety aspects as per BIS Safety Standards or equivalent .In case they do not have required equipment for such testing should ensure that the equipments checked for electrical safety compliance through labs with facilities for such checking during every preventive maintenance call.

8. Software:

All software updates should be provided free of cost during warranty period.

2. General Terms and Conditions-

2.1 This contract is governed by the [General Terms and Conditions](#), conditions stipulated to this Product/Service as provided in the Marketplace.

2.2 This Contract between the Seller and the Buyer, is for the supply of the Goods and/ or Services, detailed in the schedule above, in accordance with the General Terms and Conditions (GTC) unless otherwise superseded by Goods / Services specific Special Terms and Conditions (STC) and/ or BID/Reverse Auction Additional Terms and Conditions (ATC), as applicable

नोट: यह सिस्टम जनरेटेड फाइल है। कोई हस्ताक्षर की आवश्यकता नहीं है। इस दस्तावेज़ का प्रिंट आउट भुगतान/लेनदेन उद्देश्य के लिए मान्य नहीं है।

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