SHORT TERM PUBLIC NOTICE

(Invitation for Expression of Interest)

In view of Pandemic situation prevailing due to Novel Corona Virus (COVID-19) outbreak leading to an emergency like situation including the lockdown in the country and its anticipated adverse impact on the supply chain of Medical Equipment, BMSICL is willing to procure ICU Ventilators under emergency procurement so as to deal with the emergency COVID-19 situation across the Health facilities in the State of Bihar on an urgent basis. Interested parties may submit their willingness to supply of the following item:

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<tr>
<th>S.N.</th>
<th>Name of Item</th>
<th>Immediate Requirement (May change as per need)</th>
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<td>1.</td>
<td>ICU Ventilator</td>
<td>100 units</td>
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The interested suppliers are required to submit through e-mail, their proposal in the format mentioned below along with the delivery schedule and the details (Address, GST Registration no. and PAN) of the supplier, Catalogue, Technical Data Sheet and Quality Certificate at the office of “Managing Director, Bihar Medical Services and Infrastructure Corporation Limited (BMSICL), 4th Floor, Bihar State Building Construction Corporation Limited, Hospital Road, Shastri Nagar, Patna-800023” within three days of publication of this notice to the e-mail id:- bmsicl.covid19@gmail.com. The Equipment suppliers are required to provide onsite after-sale service for a period of at least ten years including three years onsite warranty and, seven years CMC. Charges of CMC and consumable cost shall be quoted by the supplier separately. The suppliers are also required to provide the quality certificate. Refurbished Ventilators shall not be allowed at anycost.

Format to be used by the suppliers to express their interest:

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Name of Item</th>
<th>Specification (to be filled by the bidders in accordance to the availability of the ventilator as per attached specifications or better specifications for immediate supply)</th>
<th>Quantity Available with the supplier for supply (in units)</th>
<th>Unit Price with Three Year Warranty excluding GST (to be filled by the Bidder)</th>
<th>Unit Price including GST (to be filled by the Bidder)</th>
<th>CMC Price 4th to 10th Year</th>
<th>Delivery Schedule (in days)</th>
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NOTE: 1. All interest applicants are essentially required to submit an undertaking that they fulfill the Technical Specification criteria of the Ventilators as given on BMSICL website.
2. Price comparison of Compressed Air Ventilator and Turbine Ventilator will be done separately.
4. Priority will be given to the supplier who ensures early supply.
5. For any clarification or query the interested parties may contact GM (Procurement), BMSICL on Mobile No. 9471006242 and DGM (Equipment), BMSICL on Mobile No. 854406251 or visit BMSICL website (www.bmsicl.gov.in).

GM (Procurement),
BMSICL
Technical specification ICU Ventilator

1. Should have facility for Invasive and Non-Invasive ventilation.

2. Microprocessor Control suitable for infant and adult ventilation.

3. Normal hinged arm holder for holding the circuit.

4. Should be able to record and analyse various parameters. Breath to breath/pulmonary functions, loops to be stored in the memory with feasibility of trend analysis on a TFT touch screen. Screen size should be 15” so that be easily seen from distance. Compiled trend analysis at Minimum 48 hours for all measured parameters. Monitoring during mechanical ventilation includes measurement of peak and plateau pressures, intrinsic positive end-expiratory pressure, and work of breathing.

5. Machine should be Compressed air/Turbine driven.

6. Should have Nebulization facility.

7. Ventilator, Compressor/Turbine & Humidifier should be mounted on one Trolley/cart transportation within Hospital.

8. Should have Internal rechargeable battery at least 02Hrs. backup.


10. Should have the following modes: a. Volume Controlled, CMV, PCV or IRV, SIMV (volume cycled & pressure limited), SIMV+PS (volume cycled & pressure limited), CPAP, Bilevel, APRV, IMPRV, But lowest tidal volume should be 50 to 1000 ml.

11. Should have the following setting. a. Tidal Volume: minimum 50ml maximum of 2000 ml in Volume control is essential. b. PEEP 0 to 40 cmH2O or more c. Oxygen Concentration 21 – 100 % through internal blender. Inspiratory Pressure 1-90 cmH2O). e. Respiratory rate 1 to 80 bpm.

12. Alarm a. Adjustable Alarm. - Low/high minute volume, low/high pressure, low/high tidal volume, low/high rate, apnea time, low/high oxygen, b. Special alarm - O2 cell Failure, flow sensor, battery, power supply, gas supply, oxygen concentration,

13. Compressor should be of same make as of ventilator a. Should be supplied with External Compressor. b. The compressor has been designed to supply the ventilator with dry, filtered compressed air. c. Compressor should be oil-free. d. Portable & fitted with ventilator cart. e. Air filtration 5 microns. f. Noise level dB 40–50. g. Peak flow of 200lpm. (This point is not applicable for turbine type machine)

   a. Silicon breathing circuit (Adult reusable) - 5 complete set. b. Nebulization assembly compatible circuit 5 complete set. c. Humidifier - 1 No. d. O2 Pressure Regulator with Hose - 1 Nos. e. Hose for O2 connection with connector - 5 mts. f. Hose for compressed air with connector - 5 mts. g. Test lung - 1 No. h. Non-invasive ventilator mask reusable for adult (3 sizes) - each size 5 No. i. ET tube cuff pressure monitor and HME filter – 10 no j. Inbuilt/integrated nebulizer-1 NO k. All sensors and other non-consumable items (other than reusable silicon ventilator circuits) should be free of cost during warranty and CMC.

16. Ventilator, Humidifier & Compressor/Turbine Power Supply input to be 200-240VAC, 50 Hz fitted with Indian conditions plug.

17. Suitable online UPS is must for ventilator.

18. Ventilator, Humidifier & Compressor/Turbine Should be US FDA and / European CE issued by notified body approved Model should be offered.

NOTE: 1) Reusable consumables (other than reusable silicon ventilator circuits) should last during the warranty period. 2) Ventilator & Humidifier any additional reusable consumables are required during the warranty period those will be supplied free of charge by the supplier. 3) The life expectancy of the reusable consumable is expected to be of at least one year from the date of installation of the same. The reusable consumables will be procured at the prices accepted as per the contract. 4. The bidders should submit all reusable consumable items price & their authorised local office/distributor name.

GM (Procurement)