

**AMENDMENT NO.9 Dated 18.04.2020**

**Ref No: HLL/SD/RBD/2019-20/TENDER/15 Dt: 05.03.2020**

**Title: Essential Technical features for Ventilator for COVID 19**

The following amendment has been incorporated to the bid document for the above tender;

Essential Technical features for Ventilator for COVID 19 as per amendment No. 07 dated 31.03.2020 stands cancelled and the revised specification is given below. All other terms and conditions as per amendment No. 06 dated 28.03.2020 remains same.

**The Essential Technical features for Ventilator for COVID 19.**

01. The machine should be turbine / compressor based because the installation sites might not have central Oxygen Lines.
02. The machine should have Invasive, Non- Invasive and CPAP features to make them versatile.
03. 200-600 L tidal volume, Lung Mechanics Display
04. Monitoring of plateau Pressure, PEEP, PS, Oxygen Concentration, Lung mechanics /inverse ratio(I:E)
05. Pressure & Volume control & PSV
06. Continuous working capability for 4-5 days
07. FiO2 manipulation b/w21-100% is essential
08. PEEP upto 30
09. FiO2 delivery should be independent of the flow rate PEEP and the minute volume  
FiO2 delivery to the patient can't be made dependant on other factors. Every patient has a different lungs dynamics and can't be delivered gases at the same settings.

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