

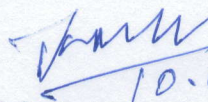
OFFICE OF THE PRINCIPAL: S.C.B.DENTAL COLLEGE & HOSPITAL,
CUTTACK

QUATOTION CALL NOTICE

NO 36 /dt. 03/01/25

The Principal, SCB Dental College Hospital, Cuttack invites sealed quotation from reputed firms for supply of Dental minor equipments. The last date of receipt of the quotation is **13.01.2025** up 12 Noon in the Office of the Principal, S.C.B Dental College & Hospital, Cuttack and it will be opened on the same day of 3 PM in presence of the quotation or their authorized representative who should be present in the scheduled date and time for opening of quotation. There is no bar for opening for quotation if any bidder fails to be present at the opening time. The list of all documents enclosed duly signed by quotation. If any information and documents furnished by the quotationer. If any information and documents furnished by the quotationer are found to be incorrect, misleading at any stage the quotation will be rejected. The authority/Committee is not bound to accept the lowest quotation rate considering the technical aspect the lowest quotation rate considering the technical aspect and reserves the full right to accept in full or part or reject any or all the quotation without assigning any reasons thereof.

Sl No	Name of the Items (Specification attached in Annexure – I)	Quoted amount
1	Refrigerator	
2	Micromotor with Handpiece	
3	Oxygen concentrator	
4	Patient addressing system	
5	Co2 chamber	
6	Ultrasonic Scaler	
7	Pulse Oxymeter	

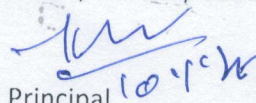

10.1.25

Principal

SCB Dental College & Hospital
Cuttack

Memo No 37 /dt 03/01/25

Copy forward to the notice board of SCBMCH, Cuttack/ Superintendent, SCBMCH, Cuttack/ SCBDCH,
Cuttack for information.


10.1.25

Principal

SCB Dental College & Hospital
Cuttack

Annexure - I

Specification

1. Refrigerator:-
 - Capacity – 260L
 - Build in Stabilizer
 - Double Door
 - Auto fridges defrost to stop ice-build up.
2. Micromotor with Handpiece:-
 - Single chip controlled system
 - Light weight compact body
 - dust-proof mechanism
3. Oxygen concentrator:-
 - No of oxygen outlets: Single or dual
 - a. Oxygen concentration 93% \pm 3% at 10LPM flow.
 - b. Oxygen output: 10 LPM
 - c. Power source: Electrical or battery operated
 - d. Type of operation: Continous flow type
 - e. Should have adjustable air delivery mechanism
 - f. Noise level should be less than 60 db
 - g. Should have oxygen purity indicator/alarm for low oxygen concentration.
 - h. Should have audio and visual alarm for Low oxygen concentration, low pressure and power failure.
 - i. Should be supplied with following accessories: a. Tubing: 2 sets b. Bacterial filters: 2 Nos c. Humidifier bottle: 2 Nos d. Suitable mask: 2 Nos
 - j. Should be US FDA or European CE or BIS approved
4. Patient Adreesing system:-
 - Frequency Response: 20 Hz to 20 KHz 2 S/N Ratio: Line input/Output > 80 dB at maximum Level. 3 Mic Input/output > 60 dB at maximum Level. 4 Input/output: > 2 X Mic/Line Inputs > 4 X control Inputs (NO/NC Contacts) Automatic Changeover contacts.
- I. Co2 Chamber:-
 - The internal capacity should be up to 140-200 liters.
 - Should have temperature management ambient +5°C to 50°C
 - Should provide incremental increase for temperature management: 0.1 °C or better
 - Temperature accuracysould be between + 0.4 °C at 37 °C.
 - Temperature stability should be between + 0.2°C at 37 °C.
 - CO2 gas range should be 0.5 – 50%.
 - Should have incremental variation in CO2 gas range of 0.10%
 - Should have gas uniformity of 0.2 % at 37 °C.
 - The CO2 recovery rate should be 6 min or less after door opening and closing

event to attain 5% CO₂.

Should have the operational gas pressure range of 8 to 20 psi.

The maximum dry heat sterilization should be 125°C or more.

The maximum dry heat sterilization time should be 4 hour or less.

Should possess provision of display for temperature and alarm control

The inner chamber material should be made up of stainless steel

Inner chamber should be easily cleanable

Should have standard perforated shelves

Number of shelves provided should be 3 or more

Shelves should be made up of stainless steel

Shelves thickness should be 1mm or more

Separate inner glass door should be provided

Should have removable humidity tray for easy cleaning

Sensor used CO₂ detection should be Infra-Red (IR) and NDIR type

Maximum temperature for Sensor functionality should be 140 °C or more during dry heat sterilizations

One or more CO₂ cylinder should be provided with incubator

5. Ultrasonic scaler:-

Ultrasonic with ti alloy handpiec

water control switch

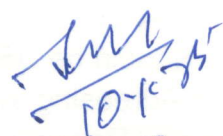
Automatic frequency tracking

Single chip controlled system

I. Pulse Oxymeter:-

i. Display Format: LCD Display; SpO₂ Measuring Range: 0% 100%; Pulse Rate Measuring Range: 30 bpm 250 bpm; Pulse Wave Display: columniation display and the waveform display.

ii. Power Requirements: 2×1.5 V AAA alkaline battery (or using the rechargeable battery instead), adaptable range: 2.6 V~3.6 V.


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