

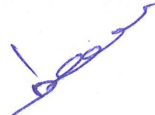


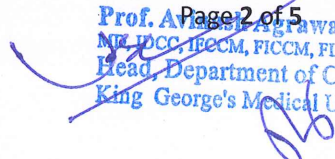
SPECIFICATIONS FOR PHOTOTHERAPY UNIT DOUBLE SURFACE

1. It should be LED-based only
2. LEDs should last for at least 30,000 hours
3. Light unit should have white LEDs for examination purposes (Optional)
4. Light unit should be made of easily cleanable plastic material
5. Spectral Irradiance of minimum $30 \mu\text{W}\cdot\text{cm}^{-2}\cdot\text{nm}^{-1}$ at 45 cm distance between the bed and light unit.(for effective PT through the closed incubator)
6. Should have multilevel intensity control to a minimum intensity adjustment of $30 \mu\text{W}\cdot\text{cm}^{-2}\cdot\text{nm}^{-1}$
7. At the tilted position, the irradiance should be at least $30 \mu\text{W}\cdot\text{cm}^{-2}\cdot\text{nm}^{-1}$ at a 45 cm distance between the bed and light unit.
8. Wavelength should be 450 – 460 nm and should be free from UV and IR radiation.
9. Effective surface area should be at least 175 *3750 mm
10. Digital (LCD) Timer for monitoring therapy hours & lamp usage hours
11. Should have visual and audible alarms for the following,
 - a. If internal temperature exceeds
 - b. If the cooling fan fails
12. Cooling Fan to be provided to dissipate the heat created by LEDs
13. Light head should be compact to use along with the Radiant warmer & should be provided with a tilting facility so that the unit is not coming directly under the warmer.
14. Smooth Height adjustment mechanism & Adjustable height
15. Minimum height should be at least 1200 ± 20 mm from the floor to use near the mother bed
16. Maximum height should be at least 1700 ± 20 mm from the floor to use with the incubator
17. Coating: Epoxy/powder coated body for scratch and rust prevention and
18. PU (Poly Urethane) coating for plastic
19. Mobility: Three castors; two rear castors provided with brakes
20. The base of the unit should be such that it will go beneath any Incubator/bed/trolley, with a minimum of 100 mm floor clearance
21. The manufacturer should be ISO 9001:2008 and ISO 13485:2003 certified
22. The specification for the bottom unit should confirm the following

- a. Irradiance: $> 30\mu\text{W}/\text{cm}^2/\text{nm}$
 - b. Lamp Type: LED's
 - c. Power rating: Maximum – 60 W
 - d. Time totalizer: Digital, Compact, and noise-free
 - e. Bassinet dimensions: Approximately 75 cm x 50 cm x 15 cm
 - f. Weight of lamp unit: Less than 25 kg
 - g. Bassinet: Transparent acrylic bassinet
 - h. Coating: Epoxy/powder coated body for scratch and rust presentation
 - i. Should conform to IEC-60601 safety standards
 - j. Should occupy only very little bedside space for convenience in observation and procedures.
 - k. The unit should be mobile with 4 swivel castors and at least 2 castors with brake
23. Power supply - Power input to be 220-240VAC, 50Hz
24. Items covered under warranty/CMC a) Prices of consumables and accessories should be quoted separately in the financial bid. The company should ensure the supply of consumables and accessories for the period of warranty and CMC.
25. Environmental factors
- a. The unit shall be capable of being stored continuously in the ambient temperature of 0-50deg°C and relative humidity of 15-90%
 - b. The unit shall be capable of operating continuously in the ambient temperature of 10-40 deg °C and relative humidity of 15-90%.

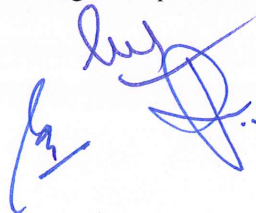

Conditions for tenderer:

1. All accessories should be from the same Original Equipment Manufacturer for the main unit.
2. Instruments must be ISO certified and a copy should be enclosed. (The ISO Certificate must be issued by any organization accredited by the Bureau of Indian Standard or accredited by the international accrediting forum "IAF" (Certificate to be attached).
3. Should be USA FDA and/ or European CE be approved by 4 digits notified body.

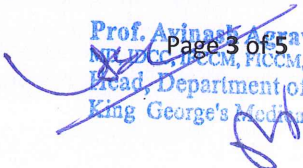





Prof. A. K. Agrawal
 MD, DCC, FICCM, FIACCM, FCCP (USA)
 Head, Department of Critical care,
 King George's Medical University, UP, India

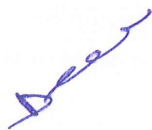
4. Other necessary certifications if any required will be provided by the bidder for the smooth functioning of the machine.
5. Installation process should be performed by O.E.M trained service engineers/ service representatives on OEM letterhead or Service Report within 15 days of supply, with the mandatory provision of providing preventive services visit of OEM trained Service Engineer/ Service Representative quarterly per year till the completion of warranty period (i.e., 20 visits for the first 05 years) & further quarterly visits (04 visits/year) year till the completion of CMC period.
6. The equipment should have a Brand name/ Model Number embossed/etched on the equipment.
7. All the technical specifications in the compliance statement must be supported by Original Literature from the firm/ O.E.M with highlighting Numbering & flagging of all technical certificates.
8. Offered Equipment should have a strong Government Installation base.
9. Offered Equipment should have a Regional Sales Service Centre of the Original Equipment Manufacturer in the region for a 95 % uptime guarantee.
10. For the offered main unit, the essential, optional required consumables'/accessories' shelf life should be declared on the Original Equipment Manufacturer's letterhead.
11. In case of technical snag/failure/breakdown the response time for the inspection should be within 24 hours and repair within 05 days otherwise provide a service machine/ alternate arrangement to be made till the period of recovery of the breakdown of the unit, failing which attracts penal action as per the decision of institute/ hospital.
12. For offered equipment the Training of technical staff and users should be performed by Original Equipment Manufacturer trained Service Engineers at the proper designated place- at bidders' cost.
13. Company should quote their latest model and need to provide an affidavit for the same.
14. As a tendering process the Demonstration of the offered Equipment is Mandatory at hospital/institute premises or other designated places at the bidder's cost.




Prof. Avinash Agrawal
Page 3 of 5
MD, DCC, FICM, FICCM, FIACCM, FCCP (USA)
Head, Department of Critical care,
King George's Medical University, UP, Lko.



15. The bidder must comply with the General Financial Rules and their modifications if any issued by the Government of India- 2017.
16. Any bidder from a country that shares a land border with India will be eligible to bid in the tender only if the bidder is registered with the Competent Authority (i.e., Registration certificate issued by the Ministry of Commerce and Industry (Department for Promotion of Industry and Internal Trade- DPIIT after October 2020). If any such bidder is not registered with DPIIT they will be liable for technical disqualification.
17. Principal (OEM) must authorize only one agent to be quoted in the bid otherwise multiple quotes through different agents in the same bid will be canceled.
18. The Bidder and its OEM both have to submit a notarized affidavit on the Indian Non-Judicial Stamp Paper of Rs.100/- that the bidder has not quoted the price higher than the current financial year and last financial year supplied to any government Institute/ Organization/ reputed Private Organization. OEM also has to submit that the price quoted by the bidder in the bid is on its behalf and the lowest in the current and last financial year in the country. Therefore, if at any stage it has been found that the supplier and its OEM have quoted lower rates than those quoted in this bid; the Institute (the purchaser) would be given the benefit of lower rates by the Supplier and any excess payment if any, will become immediately payable to the Institute (the purchaser). If such an affidavit is not submitted, the bid will be outrightly rejected. (Part of technical bid).
19. Guarantee / Warranty Period: Separate offers of Comprehensive Maintenance Contract (CMC on main equipment) and Annual Maintenance Contract (AMC on main equipment) for further 5 years after expiry of 5 years of warranty (i.e., 6th, 7th, 8th, 9th and 10th years) in rupees only (and on basis of percentage of price) should be included in a financial bid in the absence of which the offer is liable to be rejected. Payment for CMC/AMC shall be made only after the expiry of the warranty of 5 years, in case the Institute (the purchaser) decides for availing of CMC/AMC services. Contract for CMC/AMC shall be decided on expiry of warranty but rates (not more than 5% inclusive of all taxes for 6th to 10th year) will be frozen at the price of an issued purchase order before the release of payment by the Institute (the purchaser). However, the Institute (the purchaser) may decide not to enter into any CMC/AMC



Prof. A Page 4 of 5
M.D., D.C., F.I.C.C.M., F.I.A./CCM, FCCP (USA)
Head, Department of Critical care,
King George's Medical University, UP, India.



contract without assigning any reason for the same, which shall be binding upon the bid.

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Prof. Anilash Agrawal
MD, IDCC, IFCCM, FICCM, FIACCM, FCCP (USA)
Head, Department of Critical care,
King George's Medical University, UP, Lko.

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