



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited

Swasthya Sathi

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Kolkata-700091

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**Supply and Commissioning of 02 (two) units of Biphasic Cardiac Defibrillators for the
Department of Anesthesiology, Jhargram Government Medical College & Hospital,
Jhargram**

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-846/2025

Dated-14.10.2025

AMENDMENT-I

Revised Technical Specifications

of Defibrillator with AED

1. The machine should have facility for ECG Monitoring, Defibrillation & in-built recorder and must be upgradeable to vital sign parameter such as mainstream EtCO₂, SpO₂ and NIBP on installation site.
2. Machine should work on manual and automated external defibrillation in Bi-phasic mode. The maximum energy delivered by the device should be at least 200J or more.
3. Machine should monitor ECG through external paddles and monitoring electrodes.
4. Machine should have at least 6 inch or more color LCD display that provides clear visibility even in daylight.
5. Machine should have display of at least **2 waveforms** of various monitoring parameters and their numerical data.
6. System should have instant boot up time, less than 5 seconds.
7. Machine should have external paddles with paddles contact indicator- for good paddle contact. Single adult and pediatric paddles should be available.
8. The unit should be capable of doing synchronized and a synchronized Cardio version.
9. Machine should have facility to continuously analyze patient ECG during CPR.
10. It should have disposable pads with noiseless function to reduce the noise during CPR

11. The machine should have one key operation for easy switch over from adult to child mode in AED with same pads (optional).
12. It should have upgradeable facility of wireless integration with CPR device for actual CPR so that CPR can be performed in accordance with Guidelines. CPR device provides audio visible guide of compression for adequate rate and depth.
13. It should have fast charging time, charging 200J within 5 seconds or less on both mains as well as battery.
14. Machine should have a battery capable of giving at least 70 discharges of maximum energy, 2 hours of continuous monitoring or 1 hour of pacing.
15. Machine should have both manual and automatic disarm facility.
16. It should have status indicator that displays working condition of the machine.
17. It should display alarm message and have alarm indicator.
18. After defibrillation, the ECG waveform must recover within 5 seconds for immediately checking the result of defibrillation.
19. The machine should have Real time recording, Delayed recording, Event recording, Trend report up to 24 hour trend graph of HR, SpO2, PR, CO2, RR and VPC, Self-test result, Basic check result, Operation history/Device condition history.
20. The machine should have Automatic recording of Alarm report, Defibrillation recording, Periodic list report up to 24 incidents of vital parameters.
21. The machine should work on mains as well as on rechargeable battery.
22. The battery charging time should be less than 4 hours to full charge.
23. The bidder/ OEM should have valid CDSCO Certificate/Registration/License for both the manufacturer(s) and importer(s) as applicable.
24. Should be supplied with Main unit-1no, 3 lead ECG cable- 1 no.
25. The bidder/OEM should submit valid CDSCO Certificate/Registration/License for both the manufacturer(s) and importer(s) as applicable.