

Bid Document

Bid Details	
Bid End Date/Time	25-07-2020 14:00:00
Bid Opening Date/Time	25-07-2020 14:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Railways
Department Name	Na
Organisation Name	N/a
Office Name	Office Of The Principal Chief Material Manager,north Eastern Railway, Gorakhpur
Total Quantity	3
Item Category	Clinical incubators or infant warmers
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Certificate (Requested in ATC),OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Clinical Incubators Or Infant Warmers (3 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Definition and Clinical Purpose	Definition	Mains electricity (AC-powered) mobile device that contains an infrared (IR) heating element(s) designed to emit controlled, evenly distributed overhead heat to the body of a newborn/infant patient requiring supplemental heat. This device is equipped with wheels so that it can easily be moved to different areas of a room, ward, or department.	*
	Clinical purpose & Overview of functional requirements	It is an electrically powered device with a radiant heating source intended to maintain the thermal balance of an infant by direct radiation of energy in the infrared region of the electromagnetic spectrum. It is a microprocessor controlled unit with heater placed on the over head panel. This work on both servo and manual mode options to maintain the baby temperature at the set value. There are two modes of operation manual and baby (servo) mode. It has Digital displays reading the set and baby observed temperatures separately.	*
Technical Characteristics (specific to this type of device)	facility to display skin set, skin observed temperature in degree	Yes	*

C and heat power separately		
have user friendly touch panel control	Yes	*
Type of heater:	quartz infrared	ceramic, quartz infrared
Audiovisual alarm facility for:	Overheating beyond set temperature range, Spurt in Heater output i.e. more than 60% heater output for 10 minutes system should raise alarm and cutoff heater, Power failure, Heater failure, Patient temperature less/Greater than required/set temperature, Probe failure	Overheating beyond set temperature range, Spurt in Heater output i.e. more than 60% heater output for 10 minutes system should raise alarm and cutoff heater, Power failure, Heater failure, Patient temperature less/Greater than required/set temperature, Probe failure
Warmer head should be rotatable in different direction, so as to allow taking X-ray	Yes	Yes
Observation light Luminance and Colour temperature	> = 1000 Lux , Colour temperature range from 3700K to 5100K	*
Battery back up facility for Power failure indication during power fail	Yes	*
desired temperature range	25 to 40 degree C	*
setable temperature 32 to 38 deg C	32 to 38 deg C	*
temperature resolution should be:	<= 0.1 degree C	*
Temperature accuracy should be	<= 0.2 degree C	*
facility to lock the keyboard to avoid unwanted user modification of the set parameters	Yes	*
should have separate Bassinet trolley, bed should be tilt-able and have suitable provision for x-ray cassette	Yes	*

holder, Mattress foam density should be minimum 25 kg/cm ³ , transparent collapsible side walls easily detachable for cleaning		
Should have a Feather Touch operation with large digital display and comprehensive alarms, Control Panel should be liquid proof and allow easy and hygienic disinfection	Yes	*
Manual Mode can adjust Heater Output 10 -100 %, with 10% increment, an auditory and visual alarm shall be given at least every 15 min	Yes	*
Under manual mode, heater cut off / switch off , if the maximum irradiance at any point of the mattress area exceeds a total irradiance level of 10 mW/cm ² (between 10 to 30 minutes)	Yes	*
Bed height from Floor	-	*
Bed Distance from the heat source	-	*
should have lockable castor wheels	Yes	*
Green indicator light shall be indicate that warmer is ready for normal use	Yes	*
Markings on the bassinet and X-Ray cassette holder to enable proper positioning of the baby while doing the X-Ray	Yes	*
Number of tubing ports (edges covered by silicon rings) on the side walls (For cable management)	4	*
Height of the side walls over the mattress	1100	*

	Provision of X-Ray cassette tray of at least 750 mm X 350 mm size, suitable to adopt ≤ 20 mm thick X-Ray cassette	Yes	*
	bay bed should be crevice free for ease of cleaning, infection control	Yes	*
	mattress used should be of biocompatible material	Yes	*
	Skin temperature probe should be small in size [Diameter ≤ 10 mm & Height ≤ 4 mm] with biocompatible Baby contact material	Yes	*
	Mobility, portability	On castors (2 of the castors should have brakes) & Castor size ≥ 4 inch.	*
Settings	Settings with facility to clearly display the selected mode, Option of Selecting either Manual mode and Baby (Servo) mode settings, Provision for Set temperature range (in servo mode) from 32 to 38 deg C	Yes	*
	User's interface	Manual and Servo controlled temperature regulation	*
	Software and/or standard of communication (where ever required)	LED Display and inbuilt software; Interruption and restoration of the power supply does not change the preset values	*
	Others:	1. Device shall not overbalance when placed in any transport position of normal use on a 10° inclined plane from the horizontal plane. 2. Transformers of device shall be protected against overheating in the event of short circuit or	*

		<p>overload of any output winding. 3. Patient leakage current should be less than 100 μA in normal condition 4. Temperature on the baby mattress should not exceed 43 deg C when the warmer is operating under steady temperature condition 5. Temperature of HEATER GUARDS should not exceed 85 °C in normal use. 6. The Temperature differences on the mattress shall not exceed 2 °C.</p>	
PHYSICAL CHARACTERISTICS	Overall Height of equipment	1880	*
	Overall Width of equipment	-	*
	Overall Length of equipment	-	*
	Overall weight of equipment	-	*
	Heat source Configuration	>= 60 degree angle adjustment must be possible in the heat source, it should provide shielding to the infant in case of breakage of tubes/bulbs and all surfaces to be made of corrosion resistant material	*
	Noise	Auditory alarm shall have a sound level of at least 65 dBA at a distance of 3 m from the front of the infant radiant warmer, and the sound level of the alarm shall not exceed 80 dBA on the mattress	*
	Heat dissipation	Should maintain desired set temperature and uniform heat distribution in baby cradle	*

ENERGY SOURCE	Power Requirements	220 to 240V, 50 Hz AC, \pm 10% of input	*
	Battery operated	Power failure indication during power fail	*
	Protection	OVP, earth leakage protection	*
	Power consumption	560	*
	Compatible to alternate energy supply source; Solar Heating in addition to AC power source):	Yes	Yes
	Thermal reflector to fix the skin probe	\geq 50 units to be supplied with each equipment unit	*
ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS	Atmosphere / Ambiance	Operating condition: -Capable of operating continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances. - an ambient air velocity is less than 0.3 m/s.	*
	User's care, Cleaning, Disinfection & Sterility issues	Complete unit to be easily washable and sterilizable using both alcohol and chlorine agents.	*
STANDARDS AND SAFETY	Certificates,	-	*
	Performance and safety standards (specific to the device type); Local and/or international	IEC-60601-1-2:2007 Medical electrical equipment Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility -Requirements and tests (Or Equivalent BIS). Shall meet IEC 60601 -2- 21: 2009 Medical Electrical Equipment - Part 2-21: Particular Requirement for the basic safety and essential performance of infant radiant warmers . should meet IEC 60601-1:2005(or	*

		latest) standard requirements. Baby contact material should be biocompatible. Manufacturer should be ISO 13485 certified	
	Availability of Type Test report from any Govt/ NABL accredited /ILAC approved laboratory (To be produced by Seller on Buyer's demand if indicated available)	Yes	*
TRAINING AND INSTALLATION	Pre-installation requirements for the equipment	Availability of 5 amp/15 Amp. Electrical socket (2 nos) for each warmer at Buyer's facility.	*
	Documentation required to be provided by Seller:	User & Operating manual, Certificate of Calibration, Factory inspection report, user training manual	*
WARRANTY	Warranty Scope	Shall be onsite and comprehensive i.e. with free service and spares	*
	Warranty period for equipment (Other than nickel chrome wire filament and tube of quartz, that shall have lifetime warranty)	5	5 Or higher

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Umesh Maurya	273012, Lalit Narayan Mishra Railway Hospital, North Eastern Railway, Gorakhpur	3	30

Bid Specific Additional Terms and Conditions

1. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
2. **Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.
3. Bid reserved for Make In India products: Procurement under this bid is reserved for purchase from Class 1 local suppliers as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a class 1 local supplier is denoted in the bid document 50%. All bidders must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which the bid is liable to be rejected. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020 . In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.
4. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
5. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
6. Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.
7. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
8. ISO 9001: The bidder must have ISO 9001 certification.
9. Procurement under this bid is reserved for purchase from Micro and Small Enterprises whose credentials are validated online through Udyog Aadhaar for that product category. If the bidder wants to avail the reservation benefit, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service.
10. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
11. Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.
12. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
13. Warranty period of the supplied products shall be 5 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should

have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---