

# Rajasthan Medical Services Corporation Limited, Jaipur

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No. F-8( ) RMSC/EPM/M-3/20-21NIB-487/4687

Dated: 02/09/2020

## CLARIFICATION/CORRIGENDUM/ADDENDUM

**Sub:- Amended Technical Specification and revised bid submission date of the rate contract for item Walk in Coolers for under NIB No. F-8( )RMSC/EPM/M-3/NIB-487/2020-21/4031 Dated 15.05.2020**

In Reference to subject cited above and NIB-487, the various representations received from the firms and issues raised by the Bidders are examined by the competent Authorities and technical committee. The following Clarification/Corrigendum/Addendum is issued for inclusion in Bid document of items as below:-

### **Amended Specification of Walk in Cooler (Capacity-32 cubic meter & 24 cubic meter)**

S.N.	Technical specification
1.	PANELS:-
a.	To be fabricated of prefabricated panels of minimum 80mm thickness modular, complete with floor & ceiling panels mounted on a flat prefabricated base. To be provided double gasket at the joints.
b.	Cold room should be reliable under all condition for stored materials.
c.	Panels should be fire resistant and self extinguisher.
d.	Panels should be plastic coated, pre painted galvanized steel panels of 0.6mm thickness & non corrosive metallic panels.
e.	Jointing of panels by tongue groove cam locks only and no riveting between walls and ceiling panels. Corner panels should be rounded from inside for easy cleaning.
f.	Insulation material of polyurethane foam core bounded to steel panels or extruded polystyrene foam should be CFC free.
g.	Puff density should be 40 kg/m <sup>3</sup> or more.
h.	WIC floor should be above 3" from the room ground level. WIC room floor should be prefabricated floor panels similar to wall panels with allowable stationary load 300kg/feet <sup>2</sup> & to be attached with wall panels with cam locks. Inside finish should be heavy duty aluminum chequered plate of 16gauge.
2.	TEMPERATURE :-
a.	WIC should maintain an internal temperature of +2°C to + 8°C & adjustable according to ambient temperature.
b.	At door close it should hold over time of 4-6 hrs at full load of medicines.
3.	DOOR :-
(I)	Door with industrial grade lock with internal safety release.
(II)	Flush doors made up of FRP/PVC with reputed brand (Like- Kason or similar brand) of accessories (heavy duty chrome plated stainless steel accessories should be used) should be provided.
(III)	Plastic curtain on doorways.

S.N.	Technical specification
(IV)	Door to be lockable with 100% fail safe provision for opening from inside.
(V)	Door should have an incandescent vapor proof LED light mounted on the interior of the door section.
(VI)	Easily opening and closing of door with provision of automatic door closer.
(VII)	Door size approx. 34"/36" x 72" to 78"
<b>4.</b>	<b>REFRIGERATION SYSTEM :-</b>
(I)	Dual refrigeration (100% standby) air cooled vapour compression refrigeration system, with centrally wall mounted slim evaporator complete with blower fan & motor, drain tray & drain pipe connection etc. allowing full space for storing medicine.
(II)	Automatic defrosting, CFC free refrigerant and eco friendly.
(III)	Unit suitable for ambient temp. up to 50°C or more.
(IV)	Wall mounted 7 days temperature recording circular chart.
(V)	Digital Thermometer display of reputed brand in front of WIC with remote sensor.
(VI)	Condenser units consist of compressor oil separator, filters/ dryers, stop valves, high & low pressure switches, compressor motor overloads, service valve, compressor oil site glass, solenoid valves condenser fan & motor and other essential components.
(VII)	Compressor should be of reputed brand (Copeland, Danfoss, Kirloskar etc.) & capacity should be minimum 20,000 BTU to get the desired result. Compressor should be capable to with stand voltage fluctuation of $\pm 10\%$ of rated value. The compressor should auto cut after attaining the set temperature.
(VIII)	Split type system comprising of company fitted condensing unit with canopies, fan coil units and electrical panels & ready to install.
(IX)	Noise range of 60-65dBA at 1meter.
(X)	Evaporator cooling coil & condenser coil must be made of aluminum fins and copper tube.
<b>5.</b>	<b>ALARM :-</b>
(I)	High/ Low temperature alarm.
(II)	Alarm/hooter sound should be audible at distance of 10meter.
(III)	When there is power failure & short circuit.
(IV)	If door remain opened then after 5 minutes alarm should be ring.
<b>6.</b>	<b>SHELVING :-</b>
(I)	The room should be equipped with cantilevered shelving to three walls.
(II)	Each shelf should be slotted to allow good air flow around the material stored.
(III)	The shelves should be capable of holding an evenly spread of 70 kg load.
(IV)	Shelf should be made from non corrosive medical grade stainless steel.
(V)	Shelves width should be minimum 600mm
<b>7.</b>	<b>DIESEL GENERATOR (DG) SET :-</b>
(I)	10kVA DG set with AMF panel (three phase) for alternate supply.
(II)	Conforming to CPC guide lines with sound proof canopies.
(III)	All civil work for installation, cabling and earthing to be provided by supplier.
(IV)	D.G. set should be complete with automatic control & switch over and battery (battery should be approved from PWD BSR of Group-1).
(V)	DG Set should be approved in PWD BSR- (a) Alternator- Leroy Somer, CG (Crompton Greaves) (b) Engine- Greaves, Ashok Leyland, Panta Volvo, Mahindra, Eicher
(VI)	Test certificate of quoted model from OEM at different load conditions must be provided at the time of technical bid.
<b>8.</b>	<b>SERVO STABILISERS :-</b>

S.N.	Technical specification
(I)	It should have 10 kVA rating (Three Phase).
(II)	It should have minimum 2 minute restart delay.
(III)	Facilities for manual operation.
(IV)	Quick start arrangement.
(V)	Capable of running both units simultaneously.
(VI)	Servo Stabilizer should be approved from PWD BSR- Make- Logicstat, Miracile, V-Guard, Elnova, AE, IPS, AAI
9.	<b>GENERAL :-</b>
(I)	It should be provided with 100% standby capacity with separate controls against failure of primary system.
(II)	Automatic change over with additional feature of manual switch over and starting of secondary system to be provided with thermostatic/ electric control.
(III)	The unit shall be capable of operating continuously in ambient temperature of 50°C or more and relative humidity of 15-90%.
(IV)	Bulkhead LED light with on/off switch.
(V)	Interior work space should be well lighted.
(VI)	Complete installation to be done by the supplier inclusive of installation of servo stabiliser, drainage system and assembly of the panels and installation of refrigerator units & chart reorders etc.
(VII)	Exterior and interior joints should be sealed by silicon mastics to ensure no debris or dirt can accumulate at any time.
(VIII)	The complete system should be supported for CMC.
(IX)	The supplier should provide complete service after sales.
(X)	The supplier/ company must have supplied, installed and commissioned cold rooms previously.
(XI)	The suppliers/ company should have ISO certification for last three years.
(XII)	The supplier must provide factory made product to be assembled at site for insulation and the refrigeration system.
(XIII)	List of fast moving spare parts should be submitted in technical bid.
(XIV)	For D.G set maintenance, kit of spare parts should be submitted in technical bid.
(XV)	Tool kit should be provided by supplier.
(XVI)	Fast moving spare parts should be provided after installation.
(XVII)	Electrical and refrigeration components and the panels should have National/ International approvals.
(XVIII)	Should have local services facility in Rajasthan.
(XIX)	All operational and maintenance training should be provided to the end users after successful installation and commissioning.
(XX)	Quality certificate of manufacturers from Govt. approved independent laboratory recognized by WHO-PQS/ UNICEF/ National Accreditation Boards/ STQC labs is essential.
(XXI)	List of all important spare parts and accessories with their part number should be submitted in the technical bid.
(XXII)	User/ Technical/ Maintenance manuals to be supplied in English/ Hindi.
(XXIII)	Three year on complete product and standard warranty on compressor and condenser as per company's norms.
(XXIV)	CMC: CMC will be given @4% of net rate-inclusive of GST (as applicable) & yearly escalation of 4% on last year's CMC price. The CMC may be awarded for seven years (on yearly basis) after completion warranty period.
10.	<b>Other terms and condition to be covered during warranty period by the supplier:-</b>

S.N.	Technical specification
(I)	Response time- < 24 Hours after logged the complain in complaint portal.
(II)	Service hours- As per health facility schedule.
(III)	Preventive Maintenance Schedule (PM)-As per OEM (Mention PM Schedule)
(IV)	Demonstrations & Trainings - As & when required
(V)	Toll Free No-
(VI)	Life of the equipment- As per OEM

**Note:- Electric connectivity from electric meter to WIC work is to be done by the bidder. Minimal civil work required for external unit. Outside/or on the roof is to be part of the bidding document.**

Spare Parts for WIC		Rate per unit
1.	Evaporator Fan Motor	
2.	Condenser Fan Motor	
3.	Compressor	
4.	Capacitor	
5.	Contractor	
6.	Auxiliary Relay	
7.	Defrost Timer	
8.	Dual Pressure Switch	
9.	Thermostat	
10.	Drier	
11.	Control Switch	
12.	Fuse	
13.	Automatic Transformer	
14.	High Pressure Switch	
15.	Lubricating Oil (per litre)	
16.	Digital Thermometer	
17.	Bulkhead LED Light	
18.	Temperature Recording Circular Chart	
19.	Drain Pipe (per meter)	
20.	Hoses and Manometer	
21.	Disposable Refrigerant Cane (450gm)	
Spare Parts for 10kVA DG Set		
1.	Set of Fan belts l	
2.	Water Pump	
3.	Fuel Pump with Plunger & Delivery Valve	
4.	Set of front and rear oil seals	
5.	Gasket O/H set	
6.	Set of Pistor Rings	
7.	Set of Decarbonizing Joints	
8.	2 Set of Nozzles	

9.	Set of inlet and exhaust valve with guides	
10.	Set of Brushes	
11.	Set of Rubber part	
12.	Set of hose pipe	
13.	Air Filter	
14.	Oil Fuel Filter	
15.	Main isolator switch	
16.	Fuse Protection for all phases for the generator	
17.	See through fuel gauge	
<b>Spare Parts for 10kVA Servo Stabiliser</b>		
1.	Dimmer	
2.	Transformer	
3.	Motor	
4.	Carbon Bush	
5.	Digital Meter	

**1. Date extension of Bid:-**

Please note that all clarification/amendment/corrigendum in technical specifications/bid conditions is the integral part of the bid document. This corrigendum/ addendum should be signed and annexed with bid document.

Previous Last Date & time of receipt of Bid Form	Previous Date & time of opening of technical bid	New Last Date & time of receipt of Bid Form	New Date & time of opening of technical bid
10.09.2020 6:00 p.m.	11.09.2020 11:00 a.m.	21.09.2020 6:00 p.m.	22.09.2020 11:00 a.m.

All other terms & conditions remains the same.

  
 Executive Director (EPM)  
 RMSCL, Jaipur