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F-8(203)RMSC/EPM/M-7/NIB-524/2020-21/ 141 Date:- 21/10/2020

Clarification/Corrigendum/Addendum

Subject:-Clarification/Corrigendum/Addendum to NIB No. F-8(203)RMSC/EPM/M-7/NIB-524/2020-21/77 Dated 08.10.2020 for item Walk in Coolers (24,32 & 40 cubic meter).

In Reference to subject cited above and NIB-524, the various representations received from the firms and issues raised by the Bidders are examined by the competent Authorities and technical committee. The following Corrigendum/Addendum is issued for inclusion in bid document as below:-

Amended Specification of Walk in Cooler (Capacity- 24, 32 & 40cubic 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 **and made up of such as PIR insulation etc.**
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 **covered by PVC covings** & 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^3 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^2 & 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 :-
a.	Door with industrial grade lock with internal safety release.
b.	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.
c.	Plastic curtain on doorways.
d.	Door to be lockable with 100% fail safe provision for opening from inside.
e.	Door should have an incandescent vapor proof LED light mounted on the interior of the door section.
f.	Easily opening and closing of door with provision of automatic door closer.
g.	Door size approx. 34"/36" x 72" to 78"
4.	**REFRIGERATION SYSTEM :-**
a.	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.

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	allowing full space for storing medicine.
b.	Automatic defrosting, CFC free refrigerant and eco friendly. **R 407C/R404A refrigerant should be used.**
c.	Unit suitable for ambient temp. up to 50°C or more.
d.	Wall mounted 7 days temperature recording circular chart **or digital temperature data logging with three weeks memory.**
e.	Digital Thermometer display of reputed brand in front of WIC with remote sensor.
f.	**Condenser units consist of liquid receiver with fusible plug,** 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.
g.	**Highly reliable scroll** compressor should be of reputed brand (Copeland, Danfoss, Kirloskar etc.) & capacity **for 24, 32 & 40 cubic meter should be 15,000BTU, 20,000BTU & 20,000BTU respectively** to get the desired result. Compressor should be capable to with stand voltage fluctuation of ± 10% of rated value. The compressor should auto cut after attaining the set temperature.
h.	Split type system comprising of company fitted condensing unit with canopies, fan coil units and electrical panels & ready to install.
i.	Noise range of 60 to 65dBA at 1 meter.
j.	Evaporator cooling coil & condenser coil must be made of aluminium fins and copper tube.
k.	**Polyurethane foam insulation should be used in outdoor unit for improve noise reduction.**
5.	**ALARM :-**
a.	High/ Low temperature alarm.
b.	Alarm/hooter sound should be audible at distance of 10meter.
c.	When there is power failure & short circuit.
d.	If door remain opened then after 5 minutes alarm should be ring.
6.	**SHELVING :-**
a.	The room should be equipped with cantilevered shelving to three walls.
b.	Each shelf should be slotted to allow good air flow around the material stored.
c.	The shelves should be capable of holding an evenly spread of 70 kg load.
d.	Shelf should be made from non corrosive **SS 304 stainless steel or higher. Test report from NABL accredited lab is enclosed.**
e.	Shelves width should be minimum 600mm
7.	**DIESEL GENERATOR (DG) SET :-**
a.	**For capacity- 24, 32 cubic meter, 10kVA DG set with AMF panel (three phase) for alternate & for capacity- 40 cubic meter, 15kVA DG set with AMF panel (three phase) for alternate supply**
b.	Conforming to CPC guide lines with sound proof canopies.
c.	All civil work for installation, cabling and earthing to be provided by supplier.
d.	D.G. set should be complete with automatic control & switch over and battery (battery should be approved from PWD BSR of Group-1).
e.	DG Set should be approved in PWD BSR- (a) Alternator- Leroy Somer, CG (Crompton Greaves) (b) Engine- Greaves, Ashok Leyland, Panta Volvo, Mahindra, Eicher
	Test certificate of quoted model from OEM at different load conditions must be provided at the time of technical bid.
8.	**SERVO STABLISERS :-**
a.	**For capacity- 24, 32 cubic meter, 10kVA (three phase) for alternate & for capacity- 40 cubic meter, 15kVA (three phase) for alternate supply.**
b.	It should have minimum 2 minute restart delay.
c.	Facilities for manual operation.
d.	Quick start arrangement.
e.	Capable of running both units simultaneously.
f.	Servo Stabilizer should be approved from PWD BSR- Make- Logicstat, Miracile, V-Guard, Elnova, AE, IPS, AAI
9.	**GENERAL :-**
a.	It should be provided with 100% standby capacity with separate controls against failure of primary system.
b.	Automatic change over with additional feature of manual switch over and starting of secondary system to

S.N.	TECHNICAL SPECIFICATION
	be provided with thermostatic/ electric control.
c.	The unit shall be capable of operating continuously in ambient temperature of 50°C or more and relative humidity of 15-90%.
d.	Bulkhead LED light with on/off switch.
e.	Interior work space should be well lighted.
f.	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.
g.	Exterior and interior joints should be sealed by silicon mastics to ensure no debris or dirt can accumulate at any time.
h.	The complete system should be supported for CMC.
i.	The supplier should provide complete service after sales.
j.	The supplier/ company must have supplied, installed and commissioned cold rooms previously.
k.	The suppliers/ company should have ISO certification for last three years.
l.	The supplier must provide factory made product to be assembled at site for insulation and the refrigeration system.
m.	List of fast moving spare parts should be submitted in technical bid.
n.	For D.G set maintenance, kit of spare parts should be submitted in technical bid.
o.	Tool kit should be provided by supplier.
p.	Fast moving spare parts should be provided after installation.
q.	Electrical and refrigeration components and the panels should have National/ International approvals.
r.	Should have local services facility in Rajasthan.
s.	All operational and maintenance training should be provided to the end users after successful installation and commissioning.
t.	**Quality certificate of manufacturers from Govt. approved independent laboratory recognized by WHO-PQS/ UNICEF/ National Accreditation Boards/ STQC labs (if applicable).**
u.	List of all important spare parts and accessories with their part number should be submitted in the technical bid.
v.	User/ Technical/ Maintenance manuals to be supplied in English/ Hindi.
w.	Three year on complete product and standard warranty on compressor and condenser as per company's norms.
x.	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.	**Other terms and condition to be covered during warranty period by the supplier:-**
a.	Response time- < 24 Hours after logged complain in complaint portal.
b.	Service hours- As per health facility schedule.
c.	Preventive Maintenance Schedule (PM)-As per OEM (Mention PM Schedule)
d.	Demonstrations & Trainings - As & when required
e.	Toll Free No-
f.	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	

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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 belts1	
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	
Spare Parts for10kVA Servo Stabiliser		
1.	Dimmer	
2.	Transformer	
3.	Motor	
4.	Carbon Bush	
5.	Digital Meter	

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Clarification

1. Dimension shall be as per space available in DDW/MCDW in the Rajasthan.
2. Location shall be DDW/MCDW (District drug ware house & Medical College drug ware house) located in various district of Rajasthan.
3. Successful bidder will provide flat base at the site as per tender specification.
4. Successful bidder will be asked to install the one WIC at a place indicated, the technical committee will examine & will have demonstration of WIC, if found satisfactory, order for the rest will be placed.
5. Bid Shall be evaluated on the basis of SECTION VI: QUALIFICATION AND EVALUATION CRITERIA (QEC) and SECTION VIII: Technical Specifications of Goods to be procured in the Bid.

Corrigendum

1. SECTION VI: QUALIFICATION AND EVALUATION CRITERIA (QEC), Mandatory documents required to meet financial criteria (Part-A), Clause no.5 shall be read and replaced as under:-

a. **Contractual experience:**

The bidder shall be a manufacturer/ direct importer who must have manufactured/ imported and supplied/ installed/commissioned goods of similar specifications/**commercial air conditioning/commercial refrigeration products**, in India satisfactorily to the extent of at least 10% of the quantity specified in the NIB in last 36 months. The duration of 36 months will be calculated up to the previous month of submission of the bid. The list of supply/installation/commissioning reports of the goods under procurement by the OEM/ bidder as given in BF-7 should be supported by self attested copies of purchase orders, indents and invoices of goods supplied/installation/commissioning reports.

2. SECTION VI: QUALIFICATION AND EVALUATION CRITERIA (QEC), Mandatory Documents and/ or Standard required to meet Technical Criteria (Part-B), clause no. 2 shall be read and replace as under:-

a. **Supply experience: Deleted**

b. **Certificates/Brochures:**

The bidder shall submit WHO-GMP/ISO/BIS/CE certificates and Brochures, Testing report by NABL accredited laboratory etc., **if applicable**, to establish the standards/specifications of the subject matter under procurement.

All other terms & conditions of the bidding document shall remain the same.

Executive Director (EPM)
RMSCL, Jaipur