



Government of Jharkhand  
**JHARKHAND STATE AIDS CONTROL SOCIETY**

Department of Health & Family Welfare,  
Sadar Hospital Campus, Purulia Road, Ranchi.



Tender Notice No. 03/JSACS/2019-20

Date: 23.09.2019

**Tender Notice**

The Jharkhand State AIDS Control Society, Purulia Road, Ranchi hereby invites separate technical and price bids (Two Cover System) from the registered and eligible firms for **Rate Contract for supply Installation and commissioning of A) Walk in Coolers and B) Generator at various locations in the state.** The tender documents with detailed conditions can be obtained through web site <http://jsacs.org.in>.

Sl. No	Particulars	Details
1	Name of Work	<b>Supply, installation and commissioning of A) Walk in coolers and B) Generator at various locations in the state</b>
2	Time of Completion	30 days from issue of work order
3	Publication Date of Tender in New Paper/website	24.09.2019
5	Last Date for receipt of bid at JSACS Office	11.10.2019 till 5.00 P.M.
6	Date & time of opening of Technical bid at JSACS Office	14.10.2019 at 11.30 A.M.
8	Tender document fee (Non-refundable)	<b>Rs 500.00 (Five Hundred only)</b>
9	Earnest Money Deposit (EMD)	A ) Rs 25,000/- (Twenty five thousand only) for walk in coolers only
10	Earnest Money Deposit (EMD)	B) Rs 15,000/- (Fifteen Thousand only) for generator only

Sd/-  
Project Director  
Jharkhand State AIDS Control Society

- a) **Tender fee:** 500/- (five hundred) in form of demand draft in favour of "Jharkhand State AIDS Control Society", Payable at Ranchi, it should be attached with technical bid of tender document.
- b) **Earnest Money deposit: A) Rupees 25,000/- (Twenty thousand only) for Walk in cooler and B) Rs 15000/- for Generator** in form of demand draft, in favor of "Jharkhand State AIDS Control Society", Payable at Ranchi. It should it should be attached with technical bid of tender document.
- c) **Number of Walk in cooler** – 7 (Seven) Size – 10 feet x 10 feet x 8.5 feet (LxWxH)
- d) **Number of Generator** – 4 (Four) (10 KVA)
- e) **Date/time for downloading of Bid doc:** 24.09.2019 to 11.10.2019 by 3.00 P.M
- f) **Last date for submission of Tenders :** 11.10.2019 by 5.00 P.M.
- g) **Date & time of Opening Technical bid :** 14.10.2019 at 11.30 A.M.
- h) **Place of opening of tenders :**  
Office of the  
**PROJECT DIRECTOR,**  
Sadar Hospital Campus,  
Purulia Road, Ranchi.

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**Note:** The society reserves the rights to cancel/reject or make the necessary changes in tender. The same shall be informed to the tenderer as and when required.

## **General Tender Terms & Condition**

### **A. Mode of Submission of Tender**

Tenders must be submitted in two different parts –

1. Technical Part
2. Financial Part

**Technical Part: a.** Documents submitted with Technical part as given in below. All the information given must be supported by authenticated documents. The duly filled format along with all the supporting documents & original tender form with seal & signature on each page should be submitted. The technical proposal should be serially numbered and should be mentioned in given format (*without numbered pages will invite rejection of tender*)

**Financial Part: a.** Financial part must be submitted in given format in Price Bid (**Annexure-A and B**). The duly filled format signing each paper by the bidder will form the financial part.

**b. The tenderer should quote the rates (in Rupees only) (GST extra) on door delivery basis to the consignee's destination across the state.** There will not be any price negotiations after opening of envelop No.2 (Price bid) except with the lowest bidder (L1), if required. Hence all the tenderers are required to quote their most competitive rates.

### **B. Other Terms and Conditions:-**

1. Tenderer must be registered with the Sales Tax Department and have current sales tax clearance certificate.
2. Sales tax registration certificate/GST/TIN Allotted Certificate
3. PAN card ( Photocopy)
4. Undertaking as per enclosed Performa as on page no 5 in non Judicial Stamp Paper.
5. Undertaking on letter head, stating that firm has never been black listed in the Govt. Institutions.
6. Minimum turnover – Rs 1 crore (One Crore) for Walk in coolers and Rs 50 Lakhs (Fifty lakhs) for Generator in last 3 financial years certified by authorization letter/Chartered Accountant.
7. The bidder should be OEM/Authorized dealer of Walk in coolers/ Generator
8. The company should be ISO certified.
9. Experience of execution of similar work in different institutions in the state.
10. No Advance payment will be made to the successful bidder.
11. The tender will be valid for a period of **12 months** from the date of the finalization of the tender.
12. Bidder must furnish the photograph with specification of the entire item quoted in this tender in technical bid envelope. Catalogue colored photograph is preferred.

13. The rates quoted in the financial part should clearly be in figures & words. In situation of any confusion the rate quoted in the words or purchase committee decision will be taken as rate quoted by the company.
14. The payment will normally be made after the satisfactory supply and installation of Consignment/ goods as per ordered specification of right quality and right quantity at various consignee address. TDS will be deducted directly from the bill amount as per government rules
15. In the event of the order being placed against any of the tenderers and if the tenderer fails to supply materials / items according to the terms and conditions of acceptance of Tender, the PROJECT DIRECTOR, JSACS, Ranchi shall be entitled to purchase such items from any other source and at such price as the undersigned shall be in his sole discretion, thinks fit.

The Price bid should be submitted in a sealed envelope super- scribing on the envelope " PRICE BID " mentioning name of the tender and the name of tenderer.

16. In case of late supply as per scheduled order, supplier will be charged penalty @ 0.25 % per week. Maximum penalty will be 10%. The deduction will be made from the current bill.
17. The Quantity of items may be exceed up or reduced without any prior information, if required.
18. The Society reserves the right to cancel /modify the tender at any point of time during the tender process without assigning any reason.
19. The bidder may be asked to show the products/items physically to the members of society before opening financial bid/supply of items.

**FORMAT FOR UNDERTAKING**  
**Undertaking to be Submitted on**  
**NON-JUDICIAL- Stamp paper of Rs. 10/-**

I/We .....hereby declare  
that:-

1. I/We do hereby undertake that in the event of acceptance of our tender. I/We will supply the item at the quoted rates at the stipulated time as mentioned in the Terms & Conditions.
- 2.
3. I/We have carefully have read and under stood the terms and conditions of the tender and we do hereby undertake to supply the items as per the terms and conditions.
4. Certified that.  
This is a sole proprietorship firm and person signing the tender is the sole proprietor/constituted attorney of the sole proprietor.

OR

This is a sole partnership firm and the person signing the tender is a partner of the firm and he has authority to refer to the arbitration disputes concerning the business of the partnership by virtue of the agreements by virtue of general power of attorney.

OR

This is a company and the person signing the tender is the constituted attorney

Dated: .....

Signature and name of the Tenderer

Full address of the firm

## Specification of Walk – in – Cooler (Total quantity required - 07)

## 1. Walk-in-Cold Room

Sr. No.	Minimum Technical Specifications	Description																											
<b>A</b>	<b>Refrigeration System</b>																												
1	Refrigeration Unit Type	Air Cooled Split Type																											
2	No of Refrigeration Unit	2 Nos. (One 100% working & One 100% standby.)																											
3	Condenser Type	Air Cooled Type																											
4	Condenser	Aluminum Fin & Copper Tube Type																											
5	Compressor Type	Hermetic Scroll																											
6	Cooling Capacity	<table border="1"> <thead> <tr> <th>Category</th> <th>Size (L x W x H) in Ft.</th> <th>Cooling Capacity(BTU/Hr.) (min)</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>12 x 12 x 8.5</td> <td>18,000</td> </tr> <tr> <td>B</td> <td>14 x 14 x 8.5</td> <td>18,000</td> </tr> <tr> <td>C</td> <td>16 x 10 x 8.5</td> <td>24,000</td> </tr> <tr> <td>D</td> <td>16 x 15 x 8.5</td> <td>24,000</td> </tr> <tr> <td>E</td> <td>20 x 16 x 8.5</td> <td>30,000</td> </tr> <tr> <td>F</td> <td>10 x 10 x 8.5</td> <td>16,000</td> </tr> <tr> <td>G</td> <td>14 x 8 x 8.5</td> <td>18,000</td> </tr> <tr> <td colspan="2"><b>TOTAL</b></td> <td></td> </tr> </tbody> </table>	Category	Size (L x W x H) in Ft.	Cooling Capacity(BTU/Hr.) (min)	A	12 x 12 x 8.5	18,000	B	14 x 14 x 8.5	18,000	C	16 x 10 x 8.5	24,000	D	16 x 15 x 8.5	24,000	E	20 x 16 x 8.5	30,000	F	10 x 10 x 8.5	16,000	G	14 x 8 x 8.5	18,000	<b>TOTAL</b>		
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Cooling Capacity based on	-2°C Evaporating Temperature & 50° Condensing Temperature. The unit shall be capable of operating continuously in ambient temperature of 5° to 45° C and relative humidity of 95%.																												
7	Refrigerant	R 22a																											
8	Defrosting Method	Air Defrost / Electric Heater																											
9	Power Supply	440 V, 50 Hz, 3 Phase																											
10	Control Panel	<ul style="list-style-type: none"> <li>It contains MCB,</li> <li>Digital display with temperature setting,</li> <li>Contactora for compressor,</li> <li>Preventer for single phasing.</li> <li>Overload protector</li> <li>Microprocessor based digital temperature indicator with controller.</li> <li>Alarm for high &amp; low temperature</li> <li>Auto changeover for the refrigeration system which allows alternate use of refrigeration system when system is in break down</li> </ul>																											
<b>B</b>	<b>Cold Room Size and Construction</b>																												
1	Cold Room Outer Size(ft.)	As per requirement of particular site, as under. The actual size at site may vary by ±10%.																											
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2	Cold Room Temperature	2 C to 8 C																											
3	Panel Construction	Prefabricated sandwich panels with cam toggle-type fastener fitted & self-locking PVC gaskets fitted on all sides of Wall, Ceiling, and Floor Panels. L Shaped separate corner fitted with cam toggle-type fastener. All panels fit together by cam toggle-type fastener. Panel with Ribs on both side panel surface materials to increase the strength. Wall, ceiling & floor all get																											

		together by the mentioned arrangements. Wall panel having Only Cam Toggle-Type fastener fitting, No Flashings and Riveting on Panel.
4	Panel Thickness	Minimum 80mm. PUF (Poly Urethane Foam), Density $40 \pm 2 \text{ kg / m}^3$ & PUF blowing agent-141B (CFC free)
5	Panel Surface Material	Minimum 80mm. PUF Panel with Both side PPGI of 0.7mm thickness.
6	Floor Insulation	Minimum 80mm PUF Panel with outer side 0.7mm PPGI & Inner side marine Ply of 9mm thickness & Aluminum Chequered plate of 2mm.
7	Manual Swing Door	Flush type Swing Door with Heavy duty Hinges & Handle with Closer for Push type Gasket for easy operation for Long life. With esthetic look. Without heater, thermally sealed doors, with internal safety release. With lock & key. Easy opening & closing of the door. PVC flush type door with reputed accessories. Door to be lockable with 100% fail safe provision for opening from inside. Door shall have an incandescent vapor proof light mounted on the interior of the door section. Opening Size: 3'x 6'. 1 No. (as per requirement of particular site)
8	Extra Accessories	LED Light (2 Nos.) with door switch with bulb & bulk heads & appropriate accessories (like sealant, & related).
9	Pressure Relief port	Pressure relief port without heater to balance the pressure within the room & the surrounding to eliminate the deformation of the room due to pressure difference.
10	Kick Plate	Kick plate is on both side of the Door to protect the door during material handling.
11	Safety release Knob	Safety release Knob with buzzer placed at the inner side of the door for safety precautions.
12	Shelving	Stainless steel fully adjustable racks for Stacking or Storage fitted on all Walls up to 6 ft. height. Each Rack size (Approx.): - 1200(W) x 600(D) x 2000(H)mm. The material of the shelves should be non-corrosive 316 grade stainless steel to take load of at least $0.075 \text{ kg/cm}^2$ . ISO 9001 certification)
13	Data Logger & Display	<ul style="list-style-type: none"> <li>• Display: LED</li> <li>• Output Module: Relay alarm output (Max. 8 output), RS-485, RS-232 and USB Port (CFR 21)</li> <li>• Record time: Flexible setting interval time: 1s, 2s, 3s, 4s, 3600s</li> <li>• Power-off Protection Time O/P: The setting parameters and history data can be kept by FLASH MEMORY, Memorized forever if power off</li> <li>• Hardware clock built in for still accuracy running</li> <li>• Calibration certificate of Data logger at the time of supply (Every 6 month)</li> </ul>
14	Stabilizer	12 KVA Servo Controlled Voltage Stabilizer with 3-phase input and 3-phase output, indoor type, suitable for unbalanced loads and unbalanced input conditions. Independent voltage sensing and regulation in each phase. Input regulation voltage: 340V-480V, Input operating voltage: 310V-500V & Nominal output Voltage: $415 \text{ V} \pm 1\%$ . Auto restart with adjustable time delay. With Low Cut - High Cut outside the range, 3 digit 7-segment display to indicate input and output voltage.

15	Installation & Commissioning works	The installation commissioning is require complete in all respect. The supplier may be required to undertake minor civil works at site viz. minor repair, dismantling a wall etc.
16	Manufacturer certification	Manufacturer should have ISO 9001 certification
17	Warranty	The supplier will provide 6 years warranty from the date of installation and commissioning that will include comprehensive Annual Maintenance Contract (CAMC) including all spare parts and repairs
18	Site Certification	Installation Qualification (IQ) Operational Qualification (OQ) & Performance Qualification (PQ) at site in original.
19	Onsite comprehensive training:	The bidder should provide onsite comprehensive training of lab staff on operation of equipment, support services till service satisfaction

Price Rs .....in words Rupees.....  
 ..... excluding GST

**Specification of Generator (Total quantity required - 04)****2. Diesel Generator (DG) Set – 10 KVA**

<b>Sr. No.</b>	<b>Minimum Technical Specifications</b>
<b>A</b>	<b>Description of Function and Use:</b> The DG Set shall be used to provide power back-up to Walk-in-Cold Room. It should be automatically switched ON as soon as there is grid power failure and switched OFF as soon as the grid power is returned back. The capacity of the DG set should be 10 KVA. Scope of supply shall include supply, Installation, commissioning and testing of the complete DG set at the consignee locations including minor civil works.
<b>B</b>	<b>Detailed Specification for alternator, diesel engine and Automatic Mains Failure (AMF) control panels:</b>
<b>B.1</b>	<b>Alternator</b>
(a)	The Alternator shall be self-excited and self-regulated of specified KVA rating in single phase at 240 Volt, 50 Hz, 1500 RPM and 0.8 power factor (PF) and shall conform to IS:13364 (Part 1):1992 (reaffirmed 2003) . The alternators shall be of brush less type with VG-1 Grade or better grade of voltage regulation.
(b)	The alternators shall be screen-protected drip proof with Minimum IP-21 degree of protection as per IS: 4691/85 (reaffirmed 2004). The class of insulation of the Alternator would be 'H'. The rated voltage of Alternator will be 240V.
<b>B.2.</b>	<b>Diesel Engine (Naturally Aspirated):</b>
(a)	Diesel Engine shall be air or water cooled as specified, electric start developing required B.H.P at 1500 RPM with Class A-2 Governing or better for alternator to deliver specified continuous KVA output at 0.8 lagging pf at NTP conditions (all rating shall be tested at 0.8 PF lag). The Diesel Engine should be capable of providing 10% overload for one hour for every 11 hours continuous running at full load
(b)	Naturally aspirated engine shall be ISI MARKED as per IS: 10001/1981 (reaffirmed 2006).
(c)	The specific fuel consumption of engine shall be as per IS specification
(d)	<b>The Diesel Engine shall be complete with the following accessories</b>
1.	Fuel tank with capacity for 12 hours continuous running at full load.
2	Engine instrument Panel consisting of starting switch with Key, Lube Oil temperature and pressure gauges, (water temperature gauge in case of water cooled engines), RPM indicator



Sr. No.	Minimum Technical Specifications
	and hour meter
3.	Safety controls to shut down the engine in the event of low lube oil pressure or high cylinder head temperature in case of air-cooled engines or high water temperature in case of water-cooled engines
4.	Radiators in case of water-cooled engines
5.	Exhaust silencer of Residential type
6.	12V starting system complete with starter motor, charging alternator and Cut-out
7.	Lead Acid Battery or semi maintenance free battery of suitable ratings with connecting cables and the battery/ies shall conform to relevant IS Specification. The batteries of only following make shall be accepted: Exide, TUDOR, Amco, Amaron, Amar Raja, Tata Green, Cummins pulse lite, Standard Furukawa, Prestolite
8.	Standard set of tools required for service and maintenance of the DG set shall be provided to the consignees along with each DG set. The set of tools shall consist of the following: <ul style="list-style-type: none"> <li>• set of 3 spanners;</li> <li>• one screw driver;</li> <li>• one standard plier; and</li> <li>• one nose plier of appropriate size</li> </ul>
B.3	<b>AMF Control Panel:</b>
(a)	Automatic mains failure (AMF) control panel shall start up the DG set and take the load in case of the mains failure without requiring any human intervention.
(b)	Similarly on return of mains supply, the AM F control unit shall transfer the load back to mains supply and switch off the DG set automatically
(c)	The AMF panel shall be an enclosure with the IP-53 degree of protection conforming to IS/IEC 60947(Pt-1)/2007, fabricated from minimum 1.5 mm thick steel sheet duly pre-treated and aesthetically finished
(d)	<b>The AMF Control Panel shall have the following components :</b>
1.	Microprocessor based relay with composite meter for digital display / components: <ul style="list-style-type: none"> <li>• Generator voltage/AC Mains voltage.</li> <li>• Generator Current.</li> <li>• Power Factor.</li> <li>• Three attempts engine start/engine cranking relay.</li> <li>• On -delay timer for load change over</li> <li>• On-delay timer for engine shut off</li> <li>• Over current relay</li> </ul>
2.	Mode selector switch for setting the panel on any one position such as off or auto or manual or test
3.	Engine On-Off switch (Push button type)
4.	MCCB of suitable rating shall be provided.
5.	Rectangular aluminum bus bars (one number for each phase, neutral and Earthing terminal) of adequate ratings duly colour coded with heat shrinkable PVC sleeves
6.	Two contactors of suitable rating (one for DG set & one for AC mains) with over load relay
7.	Under-voltage relay for mains

Sr. No.	Minimum Technical Specifications
8.	Battery charger complete with voltage regulator, float or booster selector switch, on-off switch, voltmeter and ammeter for charging the battery from mains. (This will be in addition to the battery charging alternator fitted on the engine).
9.	Instrument & Control Fuses
10.	Five number indicating lamps to indicate 'mains ON', 'load on mains', 'set running'; 'load on set' and 'battery charger on'
11.	Audio visual alarm for: <ul style="list-style-type: none"> <li>'Low lubricating oil pressure',</li> <li>'High water temperature'(for water cooled),</li> <li>'High cylinder head temperature'(for air cooled) Start failure' and 'DG over load'.</li> </ul>
12.	Any other switch, instrument, relay or contactor etc. essential for smooth and trouble free functioning of DG set with AMF panel. (To be specified by the bidder in their offer with complete details of the item)
<b>C</b>	<b>Type Test Certificate (TTC)</b>
(a)	Supplier shall furnish complete & satisfactory Type Test Certificate (TTC) issued by recognized Government Lab for engines, alternators complete with enclosure to be used by them for the DG Set clearly indicating make, model and ratings of the DG sets tested at the time pre-dispatch inspection.
(b)	Type Test Certificate issued by (a) recognized Government Lab or (2) by BIS or (3) by DQA (on basis of test conducted at manufacturer's lab in presence of DQA officers) shall only be accepted
<b>D.</b>	<b>Necessary gauge/meters shall be fitted to indicate:</b> <ul style="list-style-type: none"> <li>(a) Then quantity of fuel left in the fuel tank, and</li> <li>(b) Hours of DG set operation.</li> </ul>
<b>E.</b>	<b>Acoustic Enclosure</b> DG Sets shall be provided with integrated acoustic enclosure which shall conform to norms of Central Pollution Control Board (CPCB). The acoustic enclosure offered shall conform to the drawings type approved by Govt lab, for conformity to noise norms. This aspect shall also be verified at the time of pre-dispatch inspection
<b>F.</b>	DG sets shall meet the requirements of Environmental (Protection) Rules 1986 as laid down by Min. of Environment & Forests read with GSR371(E) dated 17.5.2002, GSR 520(E) dated 01.7.2003 and No.448 (E) dated 12.07.2004 in respect of noise and emission norms. DG sets shall also meet all other statutory requirements as notified by Govt. from time to time.
<b>G.</b>	Supplier shall furnish following documents issued by a Govt authorized agency at the time of pre-dispatch inspection: <ul style="list-style-type: none"> <li>Type approval certificate (TAC) for emission norms for each model / family of Engine.</li> <li>TAC from for noise level norms for the DG set.</li> <li>COP for DG set and engine used in DG set.</li> </ul>
<b>H</b>	<b>Documentation to be provided at the time of delivery:</b> <ul style="list-style-type: none"> <li>User's manual,</li> <li>Service manual</li> </ul>

Sr. No.	Minimum Technical Specifications
	<ul style="list-style-type: none"> <li>List of minimum spares</li> <li>Installation instruction</li> </ul>
<b>I</b>	<b>Warranty:</b> The supplier will provide 6 years warranty that will include comprehensive Annual Maintenance Contract (CAMC) including all spare parts and repairs
<b>J</b>	<b>Onsite comprehensive training:</b> The bidder should provide onsite comprehensive training of lab staff on operation of equipment, support services till service satisfaction

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