



जवाहरलाल नेहरू एल्युमिनियम अनुसंधान विकास एवं अभिकल्प केन्द्र, नागपुर

(स्वायत्त संस्थान, खान मंत्रालय, भारत सरकार के आधीन), अमरावती रोड, वाडी, नागपुर - ४४० ०२३ (भारत)

Jawaharlal Nehru Aluminium Research Development and Design Centre

(Autonomous Body Under Ministry of Mines, Government of India)

Amravati Road, Wadi, Nagpur - 440 023 (India)

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Ref: 41/JNARDDC/S&P/2018-19/ A-4(Vol-II)

Date 17.08.2018

As superscribed on the envelope.

Sub: Invitation of Quotation for procurement of of "Split ACs & Cassette ACs (Brand : Carrier 5 Star)" for our centre (JNARDDC) under buy back offer in Two Bid System.

Dear Sir,

The Centre is interested to procure the "Split ACs & Cassette ACs (Brand : Carrier 5 Star)" for our centre (JNARDDC) in Two Bid System under buy back offer.

| Sr. No. | Scope of Work (Brand- Carrier 5 Star rated | Qty | Price (Rs.) | Amount |
|---------|---|-----|-------------|--------|
| 01 | Split AC- 2 Ton (R410 A) | 05 | | |
| 02 | Split AC- 1.5 Ton 2 (R410 A) | 02 | | |
| 03 | Split AC 1 Ton 1.5 (R410 A) | 01 | | |
| 04 | Cassetes AC-4 Ton(R410 A) | 01 | | |
| 05 | Cassetes AC-3 Ton (R410 A) | 01 | | |
| 06 | Cassetes AC-2Ton (R410A) | 01 | | |
| 07 | Cassetes AC-1 Ton (R410A) | 01 | | |

Specification for Cassete AC and Installation Charges of split ACs is given in Annexure –A, List of ACs for buy Back offer is placed at Annexure –B, Tender Terms & conditions is in Annexure –C. This is approx quantity and Quantity Qty can be changed as per requiremet

You are therefore requested to send your competitive offer for above in a sealed envelope duly superscribed on top of the envelope as” procurement of of "Split ACs & Cassette ACs (Brand : Carrier 5 Star)" for our centre (JNARDDC) with Tender No. & date.” to the undersigned latest by 03 Sep 2018 (15 00Hrs).

Date of Opening: 04.Sep 2018 (15.00 hrs)

Refundable EMD: Rs. 10,000/- (Ten Thousand) only should be paid in favour of JNARDDC by way of D.D.

Bids from other brand will be rejected

Bids should be contain 3 separate envelope

1) Price Bid (2) EMD (3) Technical Bid

For more details send your email on purchasejnarddcnagpur@gmail.com.

सधन्यवाद ,

आपका आभारी,
17/08/2018
(ललित मोहन)
ललित मोहन / Lalit Mohan
सलाहकार (प्रशासन) - खरीद और भंडार /
Consultant (Admin)-Purchasing & Stores
सचिव खरीद एवं भंडार (सलाहकार)
J.N.A.R.D.D.C., NAGPUR.

Cassette AC

| SNo. | | Quantity | Unit | |
|------|---|----------|------|--|
| 1 | Supply 4.0 TR and 3.0 TR Four Way Cassette AC R410 with Scroll Compressors make "Danfoss / Copeland" including indoor unit with fan, fan-motor, cooling coil, expansion device, condensing unit, compressors, cond. coils, cond. Fans, safety cutouts, Inbuild control panel In ODU complete with contactors, relays, internal cabling, thermostat to control circuits, having single Indoor unit & single Outdoor unit, outdoor unit having suction & discharge Refrigerant Gas Control Valves etc. : For Complete Banking Hall Area. Make "Carrier / Hitachi / Daikin / Blue Star" | | | |
| 2 | Supply 2.0 TR and 1.5 TR Four Way Cassette AC R410 with Rotary Compressors make "Danfoss / Copeland" including indoor unit with fan, fan-motor, cooling coil, expansion device, condensing unit, compressors, cond. coils, cond. Fans, safety cutouts, Inbuild control panel In ODU complete with contactors, relays, internal cabling, thermostat to control circuits, having single Indoor unit & single Outdoor unit, outdoor unit having suction & discharge Refrigerant Gas Control Valves etc. : For Complete Banking Hall Area. Make "Carrier / Hitachi / Daikin / Blue Star" | | | |
| 3 | SOFT COPPER REFRIGERANT PIPING Thickness - 20 SWG For Cassette AC complete with fittings Suction line insulated with 9 mm SUPERLON/ ARMAFLEX Rubber Nitrile Insulation. | | Rmt | |
| 4 | 3/8 Refrigerant piping - For Cassette AC's | | Rmt | |
| 5 | 3/4" Refrigerant piping - For Cassette AC's | | | |
| 6 | Electrical cable 4 Core/2.5 sq mm ploycab/anchor/Havels | | Rmt | |
| 7 | Electrical cable 4 Core/4 sq mm ploycab/anchor/Havels | | Rmt | |
| 8 | Electrical cable 4 Core/6 sq mm ploycab/anchor/Havels | | Rmt | |
| 9 | Electrical cable 3 Core/2.5 sq mm ploycab/anchor/Havels | | Rmt | |
| 10 | Electrical cable 3 Core/4 sq mm ploycab/anchor/Havels | | Rmt | |
| 11 | Electrical cable 3 Core/6 sq mm ploycab/anchor/Havels | | Rmt | |
| 12 | M. S. Epoxy Painted Stand for Cassette AC's Outdoor Unit complete fabricated with C - Channel / MS Angle Complete Catwalk Type MS Structure as per site requirement. With safety railing if required & Mounting of Indoor Unit with frame & support as required For 4.0 TR /3TR/2TR/1.5TR Cassette AC's | | Nos | |
| 13 | Rigid UPVC drain pipe with 6 mm Heatlon insulation complete with fittings, U traps etc. & as specified to the nearest toilet / drain point | | RMT | |
| 14 | Installation, Testing & Commissioning of AC's With One or more times pressure testing with nitrogen at 350 psig, leak testing, rectification, vaccummisation, gas charging, testing & commissioning of each unit to satisfy that there are no leakage's. Including civil work : making & remaking of holes, Core Cutting, trenching work, zari work, scaffolding work, grouting work & finishing the same in all respects etc. for 4TR/3TR/2TR/1.5TR Four Way Cassette AC's. | | JOB | |
| 15 | Under deck Insulation : with 2" thick TF Grade Thermopolis having density 24 Kg/m3 & with all required fixing accessories & complete consumable etc. | | Sft. | |


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 J.N. AR D.D.C., NAGPUR.



Ancillary work for installation of split AC Units.

Complete installation of above ACs including copper piping with quality insulation ,electrical cables, MS Stand for outdoor unit and drain PVC pipes

| SI No. | Description | Unit rate |
|--------|--|-----------|
| 01 | STD Installation, Testing &Commissioning | |
| 02 | Refrigerant Copper Piping with Rubber Nitrile Insulation | |
| 03 | Interconnecting Electrical Cabling | |
| 04 | 1" hard UPVC Drain Piping | |
| 05 | Trenching Work | |
| 06 | MS STD. Stand for outdoor unit (Long –Heavy) | |



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LIST OF AC FOR BUY BACK OFFER

Window ACs

| S.No | Location | Make and Capacity | Quantity | Status |
|------|---------------------|-------------------|----------|-------------|
| 1 | D-1 Guest house | Voltas 1.5Ton | 1 | working |
| 2 | D-3 Guest house | Voltas 1.5Ton | 3 | working |
| 3 | D-3 Servant room | Amtrex 2 ton | 3 | Not working |
| 4 | Hostel Room no 8 | Voltas 1.5Ton | 1 | working |
| 5 | GDS | Carrier 1.5 ton | 1 | working |
| 6 | Carbon lab | Voltas 1.5 ton | 1 | working |
| 7 | TOC lab | Carrier 1.5 ton | 1 | working |
| 8 | XRF chiller | Voltas 1.5Ton | 1 | working |
| 9 | XRD lab | Amtrex 2 ton | 1 | Not working |
| 10 | WCL balance room | Videocon 1.5 ton | 1 | working |
| 11 | Elect room BLOCK IV | Voltas 1.5 ton | 1 | working |
| 12 | Sandip | Hitachi 1.5 Ton | 1 | working |
| 13 | Workshop corridor | Voltas 1.5 ton | 1 | Not working |
| 14 | FF Store | Voltas 1.5 ton | 2 | Not working |
| 15 | FF Store | Videocon 1.5 ton | 1 | Not working |
| 16 | Workshop store | Voltas 1.5 ton | 2 | Not working |



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