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Hassan Mangalore Rail Development Company Limited

(A Joint Venture of Ministry of Railways & Govt. of Karnataka)

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TENDER NOTICE

SECTION I

HASSAN MANGALORE RAIL DEVELOPMENT COMPANY LIMITED

NO.HMRDC/ADMIN/08/UPS/2018

Date: 07/05/2018

Sub:- Calling for Quotation for supply & installation of 10 KVA STATIC UPS system with tubular batteries of two hours back up. (12V,200AH x 10 No) with buyback of Old UPS.

M/s.HMRDC intends to invite quotations for supply and installation of One number of "10.0 KVA static UPS systems with tubular batteries of 2-3 hours back up (12V,200AH x 10 No)" from original Equipment Manufacturer (OEM)/ Authorized Distributors / Authorized Dealers having GST Registration Certificate, PAN Card. The Suppliers shall also quote the rate separately for buy back of existing UPS in HMRDC.

Last date & time to submit quotation : 3.00 P.M. on 16/05/2018

Quotation Opening: : 3.15 PM on 16/05/2018

The detailed terms and conditions of quotation is enclosed. Sealed quotations complete in all respects must be submitted latest by 16/05/2018 upto 3.00 PM at the Reception counter, HMRDC Office, MSIL House, 7TH Floor, # 36, Cunningham Road, Bangalore 560052. Sealed quotations shall be opened on same day at 3:15 PM in the presence of offerors present.

Incomplete & conditional quotations shall be summarily rejected. The CEO/HMRDC reserves the right to reject any or all the quotations without assigning any reason-thereof.

For Hassan Mangalore Rail Development Company Limited


Company Secretary

SECTION II

INSTRUCTIONS TO SUPPLIERS

1. Sealed quotations are invited from the reputed firms engaged in the supply, installation, testing and commissioning of 10 KVA Static UPS System with 1 phase input and 1 phase output with Tubular batteries of 2-3 hours back-up to HMRDC.(12V,200AH x 10 No) and also to buy back the existing UPS.
2. The firms fulfilling the following criteria, may deposit their quotations superscribed as "TENDER FOR SUPPLY AND INSTALLATION OF 10 KVA STATIC UPS SYSTEM WITH TUBULAR BATTERIES & BUY BACK OF OLD UPS" and address it to **The CEO, HMRDC,**. MSIL House, 7TH Floor, # 36, Cunningham Road, Bangalore 560052 so as to reach on or before 3:00 PM on 16.05.2018 or the quotation may be handed over at the Reception counter, HMRDC Bangalore.
3. HMRDC will not be responsible for any delay or loss of document in transit due to any reason.
4. Quotation should be submitted in the prescribed Offer Document enclosed.



SECTION III

General Terms & Conditions the supplier should satisfy are as mentioned below:

1. Firms must quote rates only in the Quotation format enclosed.
2. The validity for the rates quoted by the firms should be for a period of 15 days from the date of opening of tenders.
3. Canvassing in any form will be viewed unfavorably and if any supplier is found to be resorting to such practice, the quotation of such firm will be rejected.
4. Conditional offers will not be considered and will be rejected.
5. In case, any clarification is required the supplier may seek the same from this office. Any request after the last date and time for submission of quotation for any clarification would not be entertained.
6. The authority for the acceptance of the quotation rests exclusively with the CEO/HMRDC. HMRDC does not undertake to accept the lowest or any particular offer of the supplier or to assign any reason whatsoever for the rejection of any offer. The decision of the HMRDC shall be final in all matters of this supply.
7. Guarantee/warranty periods as well as facilities available for after sales service may also be indicated clearly.
8. Financial quote should specify rates per unit should include all charges such as, packing, freight, handling, hire etc, for delivery at the above address.
9. The supplier should arrange to supply the UPS within 20 days from the date of the purchase order issued from HMRDC. Further, extension of time will not be provided for supply than the minimum time indicated above.
10. Each quotation must contain not only the rates for the main items of the quotation but also for spare parts that are compulsorily supplied with the main equipment. No part is made to be optional. All parts should be quoted. The aggregate value of the entire quotation with all parts required should be mentioned failing which the quotation are liable to be rejected. The HMRDC reserves the right of ordering or not ordering any of the quoted parts.



11. Failure to make supply whether a portion of the items or the full supply as per the terms of purchase order or non-performance / non supply in time or regularly or supplying items not confirming to the specifications, quality prescribed or which is found to be defects in and other way or for breach of any of the conditions stipulated will entail enforcements of one or more of the following:
 - (a) The defaulting firm will be liable, in addition to pay the extra expenditure if any incurred by the HMRDC for having purchased the materials elsewhere, because of the failure of the firm to make supply in time.
 - (b) No representation for enhancement of rates will be considered during currency of the contract once the rates quoted are accepted.
 - (c) In the case of articles rejected for not being in accordance with the accepted specifications as per the purchase order or has been received in damaged conditions the quotation should be prepared to take them back and replace them by correct item within a week without additional cost to the HMRDC
12. Rates should be quoted in figures as well as in words, over writing or any corrections are not allowed.
13. Necessary training/instructions on operation of the UPS should be given by the installation engineer to HMRDC staff at the firms cost after completion of the installation.
14. The Suppliers shall compulsorily quote their rates for buy back of existing UPS in HMRDC i.e. Online 5 KVA UPS (8 Tubular batteries Hi Power 100 AH) (excluding stand)) and 2 KVA/48V offline UPS with 4 Nos. of Exide Tubular Batteries 6 EL 100+ 12V-100AH (excluding stand) which may be inspected during office hours of HMRDC from 10 a.m. to 6.00 p.m.

SECTION IV		
Technical Specifications / Requirements		
1. General specifications		
1	UPS Type	: DSP control based Static Double Conversion Technology
2	Capacity	: 10 KVA STATIC UPS
3	Battery Backup	: 12V,200AH x 10 No (120 to 180 min at full load)
4	Supply	: 1-Phase Input, 1-Phase Output
5	Rectifier / Inverter	: IGBT with PFC control technology only
6	Transformer	: Isolation TYPE
7	Total Efficiency AC/AC at 100% load	: $\geq 94\%$ (Online mode)
8	Parallel configuration	: ≥ 3 units (System should have option of paralleling 3 units if required)

2. INPUT

- 1 Voltage configuration : SINGLE phase, 3-wire
- 2 Voltage rating : 230V,
- 3 Min/ Max input voltage : 170V to 270V
- 4 Nominal Frequency : 56 \pm 64 HZ
- 5 Max/Min frequency : 50 Hz \pm 10%
- 6 Phase : SINGLE Phase
- 7 Inrush Current: 700% of full load current maximum
- 8 Current Limit : 125% of nominal AC input current maximum
- 9 Surge Protection : As per IEC standard
- 10 THD $\leq 3\%$ and should constant from 20% to 100% load
- 11 Power factor : > 0.99

3. OUTPUT

- 1 Voltage Configuration : SINGLE phase, 2-wire plus ground
- 2 Voltage : 230V
- 3 Voltage regulation :
 - a) 3% SINGLE phase RMS average for a balanced SINGLE -phase load for the combined variation effects of input voltage, connected load, battery voltage, ambient temperature, and load power factor.
 - b) 2% SINGLE -phase RMS average for a 100% unbalanced load for the combined variation effects of input voltage, connected load, battery voltage, ambient temperature, and load power factor.



- | | | |
|----|---------------------------|--|
| 4 | Voltage Distortion | : $\leq 3\%$ total harmonic distortion (THD) for linear loads and $\leq 5\%$ THD for 100% nonlinear loads. |
| 5 | Crest factor | : 3:1 |
| 6 | Frequency | : 50 Hz and Pure sine wave |
| 7 | Frequency regulation | : 50 Hz $\pm 0.1\%$ |
| 8 | Output power factor | : 0.9 or better |
| 9 | Overload Capacity | : 125% for ten minutes (without bypass source).
: 150% for one minute (without bypass source). |
| 10 | Wave form | : Pure Sinusoidal |
| 11 | Output Voltage adjustment | : 5% (Software Controlled adjustment) |

4. Batteries:-

- | | | |
|---|--------------------------|--|
| 1 | Make. | : Reputed make i.e. Exide OR EQUIVALENT |
| 2 | Type | : TUBULAR |
| 3 | Rated battery life | : 5 years |
| 4 | Battery back up | : 120 to 180 mins with full load (12V, 210AHx10 No) |
| 5 | Battery link and cabling | : suitable battery link and interconnecting copper cable from UPS to battery shall be supplied by vendor |

The accumulator bank must have an expected service life of five years with a capacity of 120 to 180 minutes at 100 % load as stated above. Detailed Battery backup calculation sheet and manufacturer charging/discharging characteristic chart shall be attached along with the quotation and Battery type should be specified in the document.

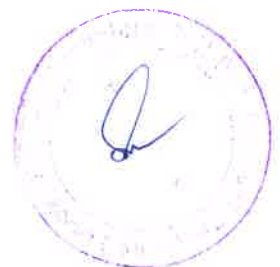
5. On-Line Battery Test

The UPS shall be provided with Auto On-Line Battery Test feature. The test shall ensure the capability of the battery to supply power to the inverter while the load is supplied power in the normal mode.

6. Battery Charger:-

The battery charger shall recharge the battery to 90% of its fully charged condition preferably within six to eight (6-8) hours and at the same time supplying full load current to the system. The charger should have the Temperature Compensated Charging. The battery charger output voltage shall be automatically adjusted in proportion to the ambient temperature of the battery to avoid over-charging. The system must include one or more battery chargers:

- with IGBT technology;
- separate from the rectifier;



- with charging voltage independent from the DC bus voltage; dedicated and independent for each accumulator bank;

The battery charger must be able to operate with the following types of accumulator:

- Lead acid, hermetically sealed
- Lead acid, vented

Depending on the temperature, the battery charger shall be able to select the most suitable recharge method automatically, without operator intervention, alternating float mode in combination with "intermittent" charge in such a way as to limit the effects of corrosion (plate sulphation) and significantly prolong battery life. The maintenance charge voltage must be automatically regulated in relation to the temperature of the battery compartment. The battery compartment must be equipped with a temperature sensor for this purpose. The following parameters must be adjustable and configurable:

- Maximum recharge current limit;
- Constant float mode current and voltage;
- Switching threshold from fast recharge mode to maintenance mode.

The battery charge regulation and control circuit shall also provide the following functions:

- Continuous monitoring of the battery circuit (battery interrupted) with visual alerts on the local user interface;
- Monitoring of battery efficiency, via partial discharge at settable intervals; the check consists in continuously monitoring the discharge current and comparing it with the ideal discharge curve;
- Continuous monitoring of the battery charger's output voltage to ensure it remains within the limits required to optimize battery life. Recharging voltage anomaly alerts followed by deactivation of the charger;
- Residual battery capacity display.

7. Isolation Transformer

Suitable rating isolation transformer with copper wound shall be supplied and installed along with each UPS on Input side and test reports (Efficiency and losses) of the isolation transformer shall be enclosed along with the technical bid. The cooling of Isolation transformer shall be by forced cooling with inbuilt cooling fans. Supplier shall specify the Isolation transformer make and other specification along with technical bid for evaluation purpose.

8. Operating Ambient Temperature:-

UPS Module : (0 C to 45 C).
Battery: 30 C 5 C.



9. **Cooling**

Cooling of the UPS shall be by forced air and there should be redundant fans.

10. **Grounding**

The AC output neutral shall be electrically isolated from the UPS chassis. The UPS chassis shall have an equipment ground terminal. Provisions for local bonding shall be provided.

11. **Wiring**

Installation and required accessories like cables, lugs etc will be in the scope of supplier and

Wiring practices, materials and coding shall be in accordance with the requirements of the National Electrical Code (NFPA 70). All bolted connections of bus bars, lugs, and cables shall be in accordance with requirements of the National Electrical Code and other applicable standards.

Conformity to standards

The system must conform to the following standards:

- Safety: EN62040-1.
- EMC emissions: EN62040-2.
- EMC immunity: EN62040-2 class C2 and C3.

12. **Display & Metering:**

- Input AC voltage line-to-line/ line-to-neutral for each phase
- Input AC current for each phase
- Input frequency
- Battery voltage and DC link voltage
- Battery charge/discharge current
- Output AC voltage line-to-line and line-to-neutral for each phase
- Output AC current for each phase
- Output frequency
- I/P & O/P Apparent power for each phase
- I/P & O/P Active power for each phase
- I/P & O/P kWh meter
- Battery time left during battery operation
- The total operating time of the UPS and inverter



13. Alarm Messages

The interface must be able to display at least the following status or event information and UPS monitoring should be web based and user friendly.

- Input power out of tolerance
- Battery charger problem
- Battery test failed
- Low battery warning
- Low battery shutdown
- DC bus overvoltage
- Bypass frequency out of range
- Load transferred to bypass
- Excessive retransfers attempted
- Static switch failure
- UPS output not synchronized to bypass
- power Output under voltage
- Output overvoltage
- Output over current
- System output overloaded
- Load transferred to bypass due to overload
- Overload shutdown
- Control error
- Critical power supply failure
- Load transferred due to internal protection
- External shutdown (remote EPO activated)
- Fan failure
- Over temperature shutdown □UPS is on battery operation
- UPS is on bypass operation
- Battery mode with mains supply / no mains supply
- battery low charge warning
- battery on fast charge
- abnormal battery recharge voltage
- minimum battery voltage
- battery fault
- battery charge circuit broken
- battery charger system fault
- overload alert
- ventilation fault alert
- out of range temperature/humidity alert
- standby power supply out of tolerance

A predictive / statistical algorithm and interpretation of logged data (number, duration and type of events) regarding:

- out of tolerance Input voltages
- overloads
- battery mode operation
- switching to standby power supply
- over- temperature



The UPS must predict potential criticalities for the UPS itself, due to ambient conditions, in advance and alert the maintenance service / monitoring system.

14. Diagnostics

The system will be equipped with a microprocessor able to run full machine diagnostics to determine:

- Self-compensation of components to ensure stable settings over time;
- Acquisition of the main diagnostic and monitoring information by computer (local or remote);
- First installation procedure wizard;
- Full test procedure at full load on UPS, with no further external loads (auto-charge mode)
 - rectifier;
 - inverter;
 - bypass;
 - power bus;
 - cables, contactors and fuses;

15. Uninterrupted Transfer / Retransfer

The transfer control logic shall automatically turn on the static transfer switch, transferring the critical AC load to the bypass source, after the transfer logic senses any of the following conditions:

- Inverter overload capacity exceeded
- Critical AC load overvoltage or under voltage Battery protection period expired
- Out of tolerance inverter input DC voltage
- Over temperature
- Inverter fault

Retransfer of the critical AC load from the bypass source to the inverter output shall be automatically initiated unless inhibited by manual control.

16. Maintenance bypass

The manual bypass switch will be provided internally and must ensure that equipment downstream of the UPS is supplied directly by the UPS upstream power source when rectifier, inverter and static switches are open. Switching to the manual bypass and back will be possible without load supply interruption (Make Before Break).



17. Replacement Parts Stocking

Parts shall be available through an extensive network to ensure around-the-clock parts availability throughout the city of Bangalore. **Recommended spare parts shall be fully stocked by local field service personnel with back-up available. The Customer Support Parts Coordinators shall be on-call 24 hours/day, 7 days/week, and 365 days/year for immediate parts availability.**

18. Battery Circuit Breaker

A suitable battery circuit breaker (DC breaker) shall be provided to isolate the battery from the UPS. This breaker shall be in a separate wall mounted NEMA-1 enclosure. The battery breaker provides a manual disconnecting means, short circuit protection, and over current protection for the battery system. When opened, there shall be no battery voltage in the UPS enclosure. The UPS shall be automatically disconnected from the battery when the battery reaches the minimum discharge voltage level. **During any abnormalities (overcharging)/accident, UPS should be able to trip the battery breaker automatically. So necessary arrangement needs to be done.**

19. Other Protections

- Battery protection period expired Input Over/ under voltage, Output over/ under voltage, Output short circuit, Inverter overload, Rectifier overload, Inverter Overvoltage/under voltage, over temp, surge protection.
- It must have Generator Compatibility.
- Must have complete protection for EMI / RF as per the IEC standard.
- Units have built in surge, spike and line noise protection.
- It should have Intelligent Battery Management system □ UPS should be compact and with small footprints.
- UPS sound level should be within the limit as per the standard.

Warranty / Guaranty:

The UPS equipments (complete system including battery banks) supplied shall be guaranteed against all types of defects for a period of **Five years (5 years)** from the date of handing over and installation of the equipment to HMRDC after successful completion of acceptance testing. Any defects in the system/sub-assemblies found within the guarantee period shall be rectified/replaced by the supplier free of cost. During this period, servicing once in two months or earlier, as prescribed by the manufacturer and as mutually agreed to, shall be carried out free of cost. It also includes battery health checks of the all the battery banks. Supplier shall also indicate the service facility they can offer at the place of installation and the telephone number and address of their service centre. During the warranty period, breakdown call response time should be within 4 hrs in all working hours and 24hrs during after office hours and weekends. The track record of the firm in implementing and maintaining similar UPS systems and the promptness in attending to service/breakdown calls shall also form basis of quotation evaluation.



20. Rating test

8 hrs full load endurance test shall be carried out at factory premises and followed by 110% load for 2-3-hour period. Test to ascertain the rated and transient capacities and overall efficiency of the system will be carried out at factory and with the battery backup of 120-180 minutes (12V, 210AHx10 No) with full load at the factory. Satisfactory performance at this stage meeting the prescribed limits will only be construed as acceptance of the UPS. The quoted UPS which falls short of our prescribed minimum overall efficiency will not be accepted. If the full load endurance test needs to be conducted at HMRDC building then vendor should arrange all load banks with necessary cable arrangement along with metering (Digital oscilloscope- to find out transients and I/P & O/P wave forms).

21 . Annual Maintenance Contract (AMC)

The Supplier shall maintain the UPS and batteries etc., for a full period of 5 years from the date of installation free of cost. Any parts/consumables etc., if required to maintain the UPS and Battery from time to time shall be provided by the supplier free of cost. HMRDC shall in no way be made to pay for any of the parts/consumables etc., for a period of 5 years from the date of installation of UPS and Batteries.

Note: The Contractors shall submit all technical supporting document details of the system along with the tender and also should attach the Battery backup calculations and battery discharge characteristics catalog along with the technical bid for evaluation purpose.

Prequalification check lists:

Sl. No	Description	Marks	Remarks
1	Capacity : 10kVA or better		
2	Overall efficiency AC/AC at 100%load > 95%		
3	Input power factor @ > 0.99		
4	Output power factor : 0.9 or better		
5	Input voltage range : +/- 20%		
6	Input THDi : <3%		
7	Output voltage and frequency regulation: voltage : +/-1% and Frequency : +/- 0.1%		
8	Battery make & type : Reputed make, i.e. Exide TUBULAR or Equivalent. Battery backup : (12V,200AH x 10 No) 120 to 180 mins		
9	Local service team & team strength		
10	Warranty/guaranty and rating test		



SECTION V

I. ELIGIBILITY AND QUALIFICATION REQUIREMENTS

a) ELIGIBILITY CRITERIA

1. Should be a Firm/Company (Incorporated in India) having their own Service Centre installations.
2. Supplier should have a fully functional service centre with spares stock for attending the breakdown calls. Details of the service centre must be provided.
3. Supplier should be an established Service Centre Services provider and should have been in this business for a period not less than five years as on 31.03.2018.
4. Supplier should have a minimum 5 year experience in the design, manufacture and testing of UPS System.
5. The Supplier shall not be under a declaration of ineligibility for corrupt or fraudulent practices or blacklisted by any of the Government agencies.
6. The Supplier should give a list of prominent existing clients for verification of service.

II. DETAILS TO BE FURNISHED AND MODE OF PRESENTATION

- a) The Quotation should contain all particulars like the name and address of the Supplier in their letter-head
- b) The Price details must be quoted in the Financial Quotation Format only as per format given and incomplete details on the above will be treated as non-responsive offer, and the quotation is liable for rejection.
- c) The Rates should be quoted for each item as per specifications given and it should be indicated clearly both in words and Figures. The Supplier with full signature should attest any scoring or overwriting. The rate quoted should not be subjected to any price variation clauses. If there is a variation between the quote in figures and in words, then the lower amount will be taken as the correct quote. Any confusion in the price bid will make it liable for rejection. The rate for buy back of existing UPS shall also be quoted in the Financial Quotation format.
- d) Leaflets and specifications of quoted items should necessarily accompany the offer.
- e) No extra payment on account of labour/tool charges etc. will be paid. The price shall include all installation.
- f) The Quotation shall accompany with all formats from Section VI to Section X duly filled and signed.



III. OPENING OF QUOTATIONS AND EVALUATION THEREON

The quotations received up to 3.00 PM on the last day as mentioned in the Notice will be opened by HMRDC in the presence of such of those Suppliers or their representatives who choose to be present at the time of opening. Representatives who are attending the opening of the Quotations should bring a Letter of Authority from the Supplier, whom they represent to identify their bonafides.

1. The Suppliers are advised to go through all the terms and conditions carefully. Reporting of any corrections or alteration, etc., after submitting the quotation will not be entertained.
2. The CEO/HMRDC reserves the right to accept the whole quotation or any part thereof or reject all the quotations, if the interests of HMRDC so require, without assigning any reasons whatsoever and to waive any minor discrepancy in the quotations received.
3. If the successful Supplier fails to supply within the stipulated date or withdraws the quotations after intimation of the acceptance of the quotation or fails to comply with the conditions above or owing to any other reason, Supplier is unable to execute the contract, the Supplier shall be liable to pay for all damages/loss sustained by the HMRDC by reasons of such breach including the liability to pay any difference between the rates accepted by Supplier and those ultimately paid by the HMRDC for the Supply and Installation of 10 KVA UPS System with batteries i.e. Notional loss suffered by the HMRDC, such damages, shall be assessed by the CEO/HMRDC whose decision is final and the amount assessed is recoverable by proceeding under the suitable law.

IV. ACCEPTANCE OF QUOTATION

The quotations if found in order in all respects as per the terms and conditions mentioned in this Notice will be accepted within 7 days from the last date fixed for submission of quotations.

V. RELEASE OF PURCHASE ORDER

- It is not binding on the part of CEO/HMRDC to accept the lowest or any other Quotation and the CEO/HMRDC reserves the right to reject or accept any tender fully or partly or retender without assigning any reason. The CEO/HMRDC reserves the right to accept and place the supply orders to the successful Supplier.
- The CEO/HMRDC also reserves the right to relax or waive any of the Quotation conditions and reject the Quotation if any one of the conditions enumerated above, is violated or the Supplier gives any counter condition.



VI. EXECUTION OF PURCHASE ORDER

The Supplier should nominate and intimate to HMRDC his authorized representative specifically to handle the purchase order from HMRDC and ensure that he fully familiarizes himself with the terms and conditions of the Quotation Purchase Order and the Guidelines and is responsible to effectively execute the Purchase Order complying with all the terms and conditions.

VII. DELIVERY

- a) The item should be delivered to HMRDC, MSIL House, 7th Floor, # 36, Cunningham Road, Bangalore - 560052 within 20 days from date of receipt of purchase order.
- b) The delivery schedule should be adhered to strictly. If the Supplier fails to complete the supply within the time stipulated, the order for the Supply and Installation of 10 KVA UPS System with batteries will be liable to be cancelled. In such a case, the Supplier shall be liable to make good the loss/damages caused to HMRDC.
- c) In order to take care of the situation arising out of the failure of the Supplier to supply as per the schedule and quality and norms, the orders placed with such Supplier will be cancelled with sufficient cause.
- d) Delivery of goods shall be made by the Supplier personally at HMRDC, MSIL House, 7th Floor, # 36, Cunningham Road, Bangalore - 560052 in accordance with the terms specified by HMRDC.

VIII. PAYMENT TERMS

Payment will be made within 10 days after satisfactory supply/installation of the 10 KVA UPS System. No advance of whatsoever nature will be made along with the Purchase Order.

IX. SAVING CLAUSE

- a) In case any doubt arises on interpretation or otherwise of any point in this tender document, HMRDC shall be referred to for clarification.
- b) At any time after the issue of the Quotation documents and before the opening of the Quotation, the Quotation Inviting Authority may make any changes, modifications or amendments to the tender documents by issuing an amendment/addendum/corrigendum/extension etc. to this Quotation Notification which shall be published in the HMRDC website only. Prospective Suppliers are advised regularly visit the website www.hmrdc.com to keep track of corrigendum/extension/addendum etc. if any.



X. SIGNATURE AND SEAL

The Supplier must sign and affix their Seal in every page of the Quotation Document and the complete Signed Original Quotation Documents must be submitted only in the respective covers.

I/We _____ have gone through the terms and conditions and will abide by them as laid down above.

Signature of authorized person

Date:

Name:

Place:

Seal:



SECTION -VI

TECHNICAL DETAILS (PART - I)

Name of the Tenderer :

Address :

Pin code :

Tel. No. :

Mobile No. :

Fax No. :

Email :

Status of the Company :

(Pls. Tick mark as applicable) : Proprietor/Partnership/Company

Name of the Proprietor/Partners/ :

Directors of the company/firm



TECHNICAL DETAILS (PART - II)

Sl. No.	Description of the Company/Firm	Proof requires Yes/No	Page No.
1	Name of the firm		
2	PAN Card No.		
3	GST No.		
4	List of Clients		
5	Work Experience For providing 5 year experience in the sale and maintenance (Attach documentary proof in support of the claim)		
6	Total number of Engineers working in the organization		
7	Proof of having Service center at Bangalore		
8	Illustrated pamphlets containing all the Technical Details, Specification of the tendered item should be enclosed along with the tender.		
9	Supplier should submit the AMC certificate		
	A declaration that the after sales service facilities as well as spare parts shall be made available at least for 3 years for each of the specific equipment / article quoted after guarantee period of 5 years.		
	A declaration indicating willingness to provide AMC services at least for 3 years after the expiry of the warranty of 5 years for each of the maintainable equipment quoted.		
10	Undertaking regarding black-listing by any department as per the format		
11	This Quotation document, the bidders are requested to sign on all the pages.		



SECTION VII

UNDERTAKING

I hereby undertake that the information provided above and elsewhere in the Quotation is true and the Quotation is liable for rejection if the same is found to be false or the information is found to have been suppressed by me.

Further, we agree to provide minimum of five year warranty/servicing with free replacement of parts etc., from the date of Supply and Installation of 10 KVA UPS System.

Place:

Date: (Signature with full name & Seal of the Supplier)

Mob:

I/We, hereby declare that the particulars furnished by me/us in this offer are true to the best of my/our knowledge and I/We understand and accept that, if at any stage the information furnished by me/us are found to be incorrect or false, I/We am/are liable for disqualification from this tender and also liable for any penal action that may arise due to the above, besides being black listed.

Signature :

Name :

Designation :

Name of the Agency :

Address of the Supplier :

Phone No.& Mob. No. :

Email Address :

Website address (if any) :

Date :

19-



SECTION VIII

DECLARATION

I/We having our office as mentioned below and declare that I/we have never been blacklisted by any State Government/Central Government or any State/Central PSU.

Signature :

Name :

Designation :

Name of the Agency :

Address of the Supplier :

Date:

Place:



SECTION IX

MANUFACTURERS AUTHORIZATION FORM

Ref No :

Dated :

To,
The CEO
HMRDC
Bangalore

Reference: Supply and installation of One No.of 10 KVA UPS System with tabular batteries of 2-3 hours backup at HMRDC.(12V,200AH x 10 No)

Dear Sir,

We _____ the Manufacturers of _____
_____ having manufacturing unit at _____
_____ (Address of the factory) do hereby authorize
M/s. _____ (Name and Address of dealer) to submit a
quotation, and subsequently negotiate and sign the contract with you against the above
tender.

We hereby extend our full guarantee, warranty and support and also in meeting warranty obligations by providing necessary spares in time for the goods & services offered by the above dealer against this tender.

Yours faithfully

(Name)
(Name of the manufacturer)

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having a power of attorney to bind the manufacturer. The bidder in its bid should include it.



SECTION X

FINANCIAL QUOTATION FORMAT (PART - I)

To
The CEO,
HMRDC

I/We.....of.....

.....

.....

.....hereby contract and agree

on the acceptance of this Quotation by The HMRDC for Supply and Installation of 10 KVA UPS System in accordance with the terms and conditions of contract stated in the Quotation document, the goods hereunder named of the quality and sort and at the rates or price specified in Annexure and to buy back the old UPS at the rates quoted in the format below:

Signature

Name

Designation

Name of the Agency

Address of the Supplier

Date:

Place:



FINANCIAL QUOTATION FORMAT (PART - II)

a) Supply and Installation of 10 KVA STATIC UPS System with tubular batteries of Two to Three hour backup (12V,200AH x 10 No) at HMRDC

Sl. No.	Description of Item	Unit	Qty.	Rate	GST	Total Amount
1	10 KVA Static UPS with DSP control based Double Conversion Technology, SINGLE phase input and SINGLE phase output, IGBT with PFC control technology, Isolation transformer only on input side with 60 months warranty & maintenance.	Each	1			
2	Battery bank for (12V,200AH x 10 No) 120—180 Min back up along With interconnecting cables, cable from UPS to Battery Bank with 60 months warranty and maintenance.	Each	1			
3	6sq MM 1 COIL, 4sq MM ½ COIL 2.5 sq MM ½ COIL 2 pole63 AMPS MCCB-01 TAPE-3 ROLE, Patti-1 inch 2 nos., SCREWS GATTA- 24 Nos, FLEXIBLE PIPE-1 inch, PVC PIPE 1 inch. With Labour charges.	One				
Total						

b) Buy Back Quote for old UPS

Sl. No.	Description of items	Unit	Qty.	Buy Back rate
1	Online 5 KVA UPS (8 Tubular Batteries Hi Power 100 AH) Excluding stand	1	1	
2	2 KVA / 48 V Offline UPS with 4 nos. of Exide Tubular batteries (6 EL 100+ 12V-100 AH) Excluding stand	1	1	

I have inspected the Old UPS at HMRDC on _____ Date of visit).

Date: _____ Name, signature & seal of the Supplier

