

Odisha Forest Development Corporation Limited

(Formerly Orissa Forest Development Corporation Limited)

(A Government of Odisha Undertaking)

CIN-U02005OR1962SGC000446

Regd. Off: Plot No. A/84 Kharavel Nagar, Unit-III, Bhubaneswar, Odisha, PIN-751001

Telephone:-0674-2534086, 2534269 Fax: 0674-2535934

[website: www.odishafdc.com E-mail ID:general@odishafdc.com]



No: 20835

Date:29.11.14

SHORT TENDER NOTICE

FOR SUPPLY, INSTALLATION AND COMMISSIONING OF 2 x 6KVA ONLINE UPS
AT CORPORATE OFFICE, OFDC LTD, A/84 KHARAVEL NAGAR, UNIT-III, BHUBANESWAR-1

Sealed tenders are invited, from Original Equipment Manufacturers (OEMs)/ authorised dealers/ distributors for supply, installation and commissioning of 2x 6KVA Online UPS for the server room of the Computer Cell, Corporate Office, OFDC Ltd, Bhubaneswar. Details of Tender and terms & Conditions can be viewed and downloaded from OFDC website www.odishafdc.com which, after duly filled in should reach OFDC Ltd. latest by 10th December 2014 upto 3.00 p.m along with the tender document fee of Rs,500/-+ VAT @ 5%(non-refundable) and Rs 10000/- for online UPS in shape of DD drawn in favour of Managing Director, Odisha Forest Development Corporation Limited payable at Bhubaneswar. SME/ MSME registered with NSIC are exempted from the requirement of EMD and cost of tender form on production of valid registration certificate. The Tenders, General and Technical Bid, will be opened on 10th December 2014 at 4.00p.m. and the Financial Bid will be opened on 15th December 2014 at 4.00p.m in the presence of the bidders or their authorised representatives at Corporate Office, OFDC Limited at A/84 Kharavel Nagar, Unit-III, Bhubaneswar-751001.

The authority reserves the right to accept/reject any or part thereof or all the offers received in this tender without assigning any reason thereof.

Sd/
Managing Director

Odisha Forest Development Corporation Limited

(Formerly Orissa Forest Development Corporation Limited)

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CIN-U02005OR1962SGC000446

Regd. Off: Plot No. A/84 Kharavel Nagar, Unit-III, Bhubaneswar, Odisha, PIN-751001

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TENDER DOCUMENT

NIT No: 20835

Date:29.11.14

Supply, Installation and Commissioning of 2 x 6 KVA Online UPS

Sl#	Items	Date Line
1	Last Date for Submission of Tender	10 TH December 2014 upto 3.00p.m
2	Place of Submission of Tender Document	CORPORATE OFFICE, OFDC LTD A/84, KHARAVEL NAGAR, UNIT-III, BBSR-1
3	Date and Time of Tender Opening (General & Technical bid)	10 TH December 2014 upto 4.00p.m
4	Date and Time of Opening of Financial bid	15 TH December 2014 upto 4.00p.m
5	Cost of Tender Document	Rs.500/-+VAT @ 5%
6	Cost of EMD	Rs.10,000/- for Online UPS

Note:- The dates are subject to change according to the convenience and needs of the purchaser.

Place :

Signature & Seal of the Bidder

Date:

1. Invitation for Bids

Sealed tenders are invited from Original Equipment Manufacturers (OEMs)/ authorised dealers/ distributors for supply, installation and commissioning of 2x 6KVA Online UPS for the server room of the Computer Cell, Corporate Office, OFDC Ltd, Bhubaneswar. The tender document can be downloaded from OFDC website www.odishafdc.com which, after duly filled in should reach OFDC Ltd. latest by 10th December 2014 upto 3.00p.m along with the tender document fee of Rs.500/-+ VAT @5%(non-refundable) and EMD of Rs 10,000/- for the above in shape of DD drawn in favour of Managing Director, Odisha Forest Development Corporation Limited payable at Bhubaneswar. SME/ MSME registered with NSIC are exempted from the requirement of EMD and cost of tender form on production of valid registration certificate. The Tenders, General and Technical Bid, will be opened on 10th December 2014 at 4.00p.m. and the Financial Bid will be opened on 15th September 2014 at 4.00p.m in the presence of the bidders or their authorised representatives at Corporate Office, OFDC Limited at A/84 Kharavel Nagar, Unit-III, Bhubaneswar-751001. The authority reserves the right to accept/reject any or part thereof or all the offers received in this tender without assigning any reason thereof.

1.1. Brief Scope of the Item/Work

- A.** Supply, Installation and Maintenance of Components provided with 2 x 6 KVA UPS (power backup) Components along with batteries;- UPS and Power Distribution System comprising supply, installation, testing and commissioning of UPS system as per following specifications for continuous duty to Server Room Corporate Office, Odisha Forest Development Corporation Limited at A/84, Kharavela Nagar, Unit-III, Bhubaneswar, Odisha-751001. The design of the solution has to conform to true online technology and should adhere to IEC 62040-2 standards.

	Parameters	Required Specifications
I	Rating	6 KVA (6KVA/5.4 KW) Both KVA and KW ratings need to be maintained by the product offered
II	Configuration	2 x 6KVA True On-Line Double Conversion UPS System in parallel redundant mode with individual battery banks
III	Technology	Online, double –conversion topology with DSP (Digital Signal Processing) Technology using IGBT inverter with static bypass switch and maintenance bypass switch.
IV	Input Parameters	
	Nominal Input Voltage (VAC)	220/230/240 VAC Single Phase
	Input Voltage Range	120-275 VAC from nominal at 50% Load 140-275 VAC from nominal at 75% Load 160-275 VAC from nominal at 100% Load
	Input Operating Frequency	50Hz (45 to 55 Hz)
	Input Power Factor	>0.98 at Full Load
	Input Current Distortion	<5% THDi without using filters
	Rectifier Type	IGBT based only
V	Output Parameters	
	Power	6KVA/5.4 KW on Continuous basis
	Output Voltage & Voltage Regulations	220/230/240 (User Selectable), +/- 1%
	Output Frequency	50/60 Hz, +/- 0.1% Nominal
	Output Power Factor	0.9P
	Output Waveform	PURE sine Wave
	Overload Capacity	125% for 1 minute and 150% for 30 seconds
	Voltage Distortion	<3% linear load, < 5% non-linear load
	Overall Efficiency (AC-AC)	94% or better in Double Conversion Mode 98% or better in Eco Mode

VI	User Interface	
	LCD Display	The UPS control panel shall be a digital front panel display that features a backlit LCD display. The LCD shall display UPS status, metering, battery status, alarm/event queue, active alarms and other necessary parameters
	LED Indicators	UPS on, On battery, On Bypass, Alarm
	Standard Communication Ports	DB-9 RS-232 as well as RJ45 10/100 Base-T (Directly through LAN connection).
	Optional Communication Ports	Mini-Slot cards: Web/SNMP, Relay/RS232
VII	Upgradability & Scalability	The 2x 6KVA online UPS System Shall be connected in parallel redundant mode (N+1) configuration with separate independent battery bank for each UPS.
VIII	Communications	The UPS is equipped with WEB/SNMP communication software for monitoring / shutdown as standard. The UPS shall have Power Management Software features to provide UPS monitoring, notification, management and emergency computer shutdown capabilities.
IX	Battery	
	Type	Sealed Lead Acid Batteries Maintenance Free/ VRLA
	Battery Charging	Advanced Battery Management
	Back_up Time	The System must be capable of providing minimum 4Hrs of battery back- up time at full load using 12V, Sealed Lead Acid Batteries (Maintenance Free) (Quanta/ Exide Power safe) with minimum capacity of each battery is 65AH.
	Battery Bank Details & VRH Rating	Each UPS should have independent battery bank and each battery Bank should capable of providing minimum 2 Hrs Back up. Battery Bank Details (Nos of batteries, rating of each battery) to be provided. MCB to be provided for safety of the battery bank. The vendor has to supply the necessary battery rack and interconnecting cables. The approximate minimum space requirement for the set up has to be mentioned.
	Cabinet Rating	IP20/21 protection requirement
	Overall Efficiency	>90%
X	Protection	Overload & Short Circuit at the output, Over Temperature inside the UPS, Over Discharge for battery, Spike & Surge to the Load, Under/Over Voltage to the Load in Normal Mode & Bypass Mode
X	Environmental	
	Operating Temperature	0°C to 40°C
	Storage Temperature	-25°C to +50°C
	Altitude	<1000m
	Audible Noise at 1 mtr	<50db
	Humidity	0~95% , No Condensation
XI	Certification	Documentary Evidence to be submitted
	Quality System	ISO 9001, ISO 14001, OHSAS 18001
	Markings	CE/UL(Mandatory)
	EMI Standards	EN 50091-2/EN55022/ EN55024
	EMC Compliance	IEC 62040-2(Mandatory)
		The tenderer has to furnish documentary proof in respect of certification to the product offered or product series of the product offered. Please note that without clear documentary proof to the Mandatory certification requirement at the time of technical evaluation, the offer shall be summarily rejected.
XII	Warranty	Three years comprehensive on-site warranty for the UPS and Three years for the Batteries should be offered. Also rate of AMC after warranty has to be mentioned clearly in the price bid separately.

XIII	Others	<ol style="list-style-type: none"> 1. The UPS should have Smart Fan Control features and Cold Start Function. 2. Compatibility with all Generator Set. 3. All technical specifications should be verifiable through the official website of the UPS manufacturer 4. One set of Original Printed brochure alongwith the operation/user's manual of the quoted model should be compulsorily enclosed with the technical bid 5. The offered model should be available for at least six years from the date of initial supply.
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2. Eligibility Criteria

1. The bidder must be a registered firm/company/agency in operation for last 3 years as on the date of proposal and must have submitted the registration certificate.
2. The bidder should be a registered firm with Odisha Sales Tax Authority. The bidder should furnish the registration certificate, PAN and up to date state VAT clearance certificate along with the tender paper.
3. The bidder should submit the authorized dealer/distributor certificate from Original Equipment Manufacturers for the item(s) quoted.
4. The bidder must have a local office and authorized service Center at Bhubaneswar, Odisha.
5. The bidder must have average annual turnover more than of Rs. 25,00,000 (Rupees Twenty Five Lakhs) in last three financial years ending 31/03/2013. (Audited Financial Statement must be submitted)
6. The bidder must quote for all the items listed in the Schedule of Requirements (SOR) of this document.
7. The Bidder shall provide the details (technical specifications, dimensions, brochures, make, model, photo catalogues, and conformance to standards mentioned about the quoted Product and system along with the bid.
8. Supply, Installation and maintenance is at Computer Cell, Corporate Office, OFDC Ltd, Bhubaneswar. The Installation of the UPS inside the premises is required to be integrated with electrical and interiors.
9. The bid not complete in this respect will be summarily rejected.
10. The bidder should not be under a declaration of ineligibility for corrupt and fraudulent practices issued by any Government agency/PSU in the country of India. An undertaking (self certificate) must be submitted.

Necessary supporting documents on fulfilment of above eligibility criteria, Representative authorization letter (Annexure - II), Tender document fee, EMD should be submitted along with General BID and the tender document must be signed at each page to indicate acceptance of all terms and conditions set forth in the tender. Organizations failing to provide complete information on any of the above requirements are liable to be rejected.

Place :
Date:

Signature & Seal of the Bidder

3. General Terms and Conditions of Tender

3.1 Invitation for Bids

- a) Cost of Tender document will be Rs.500/- + VAT @5%(in shape of DD to be submitted along with general bid and Non Refundable).
- b) Earnest Money Deposit (EMD) of Rs 10,000(Rupees Ten Thousand only) for Online UPS, in shape of DD drawn in favour of Managing Director, Odisha Forest Development Corporation Limited payable at Bhubaneswar to be submitted along with general bid and it shall remain valid for a period of One Year from the date of submission of the offer). SME/ MSME registered with NSIC are exempted from the requirement of EMD and cost of tender form on production of valid registration certificate. The bid is non-transferable. Any bid not accompanied with the valid Processing Fee & EMD shall be summarily rejected. The EMD will be refunded by OFDC Ltd. to the unsuccessful bidders without any interest whatsoever within 15 (Fifteen) days of finalization of the tender and the EMD for successful bidder/bidders would be adjusted against the performance security from it as called for in the contract. EMD of a bidder will be forfeited, if the bidder withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender. Further, If the successful bidder fails to furnish the required performance security within the specified period, its EMD will be forfeited.

3.2 Time of Supply, Installation and commissioning

The supply, installation and commissioning work of 2x 6KVA online UPS shall be executed within three weeks from the date of issue of Purchase Order.

3.3 Performance Security

To ensure due performance of the contract, Performance Security shall be furnished by the successful bidder awarded the contract in the form of a Bank draft from any Nationalized Bank for 10% (ten percent) of the contract price within seven days of issue of purchase order. Performance security will be forfeited and credited to OFDC in the event of a breach of contract by the supplier, in terms of the relevant contract. Performance Security would be refunded to the supplier without any interest, whatsoever, on expiry of 90 days beyond the completion of all contractual obligations of the supplier, including warranty obligations.

3.4 Payment term

100% payment of the order value shall be released after the receipt of material in good condition at the Corporate office, OFDC Ltd and after satisfactory installation / commissioning and handover of the equipments in faultless working condition for period of 30 days from the date of satisfactory installation and submission of the test report.

3.5 Offer Validity Period

The tender offer must be valid at least for a period of 1(One) year from the date of opening of tender. Any offer falling short of the validity period is liable for rejection.

3.6 Rejection

Before acceptance of the items if the items supplied by the vendor is found defective in materials or workmanship or otherwise not in conformity with the requirements of the contract, OFDC Ltd shall have the right to either reject or to request in writing for rectification of the defects. Then the vendor shall with utmost diligence, at his own expense, make good the defects so specified or replace the defective equipment. If the vendor fails to do so, the purchaser either.

- ✓ at its option, replace or rectify such defective equipment and charge to the vendor the excess cost incurred by the purchaser plus 15% (Fifteen percent) extra.

OR

- ✓ terminate the contract for default. Further, in the event, the vendor is not able to rectify or replace the faulty material within reasonable time, the purchaser reserves the right to acquire the said material at a reduced price considered equitable under the circumstances, and under such conditions the decision of the Odisha Forest Development Corporation Ltd, Bhubaneswar shall be final.

3.7 Delay in Delivery of the material

The time schedule for completion of the project as mentioned in Clause 3.2 above is very important and the bidder must take utmost care to complete the delivery, installation and commissioning within scheduled time. If the work is delayed for any reason for which Odisha Forest Development Corporation Ltd is not responsible, a penalty @0.5% of the cost of the purchase order will be charged to the supplier for a delay of one week or part thereof, subject to maximum 10% of the cost of the purchase order. However, if the delay is due to non-readiness or any other reason relating to OFDC, then the penalty may be waived. In such case, the vendor must inform OFDC in writing the reason of the delay within stipulated time. Delay in excess of 4 weeks will be sufficient to cause for cancellation of purchase order.

3.8 Insurance of Equipments

The materials to be supplied should be insured by the vendor at its own cost on behalf of the purchaser from his warehouse to the Client's site. The insurance coverage should cover the transport of materials by Rail/ Road to the destination. The insurance policy shall remain valid till successful commissioning of the equipments at client site and handing over the same to client. The materials/equipments found lost or damaged in transit or during installation and commissioning should be immediately replaced by the supplier.

3.9 Replacement

If the material/ equipment or any portion thereof gets damaged or lost during the transit and installation, the vendor shall effect the replacement of such materials/ equipment within a reasonable time to avoid delay in commissioning the equipment.

3.10 Purchaser's Procurement Rights

Without incurring any liability, whatsoever to the affected bidder or bidders, the Purchaser reserves the right to:

- Amend, modify, or cancel this tender and to reject any or all proposals without assigning any reason.
- Change any of the scheduled dates stated in this tender.
- Reject proposals that fail to meet the tender requirements.
- Should the Purchaser be unsuccessful in negotiating a contract with the selected bidder, the Purchaser will begin contract negotiations with the next best value bidder in order to serve the best interest.
- Make typographical correction or correct computational errors to proposals
- Request bidders to clarify their proposal.

3.11 Inspections

The representatives of Odisha Forest Development Corporation Ltd shall have the right to make inspection during delivery of the materials.

4. Submission of Bids

The Two Bid system will be followed for this tender.

The Bidder must submit separate offer for supply, installation and commissioning of 2x 6KVA Online UPS. The bidder must submit the offer in two separate sealed envelopes. Both the envelopes should be securely sealed and stamped separately and clearly marked as

Envelope No. 1 : General & Technical Bid :

The General and technical bid should contain

- i. Bid Form as at Annexure-1 duly filled and signed and stamped
- ii. General Information Bid duly signed and stamped alongwith copy of all the documents specified therein duly signed and stamped.
- iii. Executive Summary of the proposal as per Proforma given in this document.
- iv. Complete Technical Details of the proposed solution.
- v. Performance details of the proposed equipments.
- vi. Specifications for the individual or common battery bank.
- vii. Specification for the power distribution/control panel (if any)
- viii. Tender Fees and EMD Money

Envelope No. 2: Price Bid:

Prices for individual line items (eg., UPS Power Panel, Battery, Unit price (per metre) for power cable of appropriate specification should be quoted separately. Prices shall be quoted in Indian Rupees only. The Envelope should superscribed as "Price Bid for supply, installation and commissioning of 2x 6KVA Online UPS" as applicable.

Both the sealed envelopes should be placed in third larger envelope clearly mentioning "**General & Technical Bid and Commercial/Legal terms & conditions for supply, installation and commissioning of 2x 6KVA Online UPS**" as applicable to be submitted to the Managing Director, OFDC Ltd, Corporate Office, Kharavela nagar, Unit-III, Bhubaneswar, Odisha, PIN-751001 so as to reach Corporate Office on or before 10.12.2014 at 1500 Hrs.

4.1 Other Instructions

- o The bidder must organize the bid in accordance with the format specified in the tender document.
- o The tenders not submitted in the prescribed format or incomplete after due date in any sense are liable to be rejected.
- o OFDC is not responsible for non-receipt of tenders within the specified date and time due to any reason including postal delay or holidays.
- o The rates should be valid for a minimum period of 1 (One year).
- o OFDC reserves the right to accept or reject any bid without assigning any reason thereof and the decision of OFDC in this regard will be final.
- o OFDC reserves right to cancel the Purchase Order in the event of one or more of the following situations:
 - Delay in delivery beyond the specified period for delivery
 - Major discrepancy in the components noticed during any stage of the execution of order.
 - Delay in delivery against the agreed time lines.
- o OFDC reserves the right to ask for any type of technical clarification and make technical presentation before technical committee members failing which it may lead to cancellation of bids.
- o OFDC reserves the right to inspect the material to verify the genuineness and conformity

- with the specifications of the material delivered.
- Un-signed & un-stamped bid shall not be accepted.
 - Undertaking for subsequent submission of any of the document asked in the tender will not be entertained under any circumstances. However, OFDC reserves the right to seek fresh set of documents or seek clarifications on the already /submitted documents.
 - Upon verification, evaluation / assessment, if in case any information furnished by the vendor is found to be false/incorrect, their total bid shall be summarily rejected and no correspondence on the same, shall be entertained.
 - No deviations from tender terms and conditions will be accepted. Any violation thereof will lead to the rejection of the bid.
 - OFDC will not be responsible for any misinterpretation or wrong assumption by the vendor.
 - OFDC reserves the right to alter / increase / decrease the quantity of items, as the case may be, to meet the requirements at any point of time.
 - OFDC is not responsible for non-receipt of tenders within the specified date and time due to any reason including postal delay or holidays.
 - Over-writing/over-typing or erasing of the figures are not allowed and shall render the tender invalid.

5. Detailed Evaluation

- 5.1 Only the bids considered to be substantially responsive shall be considered for detailed evaluation. The bidder who has complied with all the general and technical criteria will only be qualified for commercial bid opening. The list of qualified bidders for commercial bid opening will be available on the website as well as on the Notice Board on 12.12.2014 after 3.00 p.m.
- 5.2 The evaluation of the tender will be made on the basis of least cost basis of product (sum of all quoted prices inclusive of taxes).
- 5.3 The purchaser shall evaluate each bid in detail in respect of Technical specifications, Price quoted, Service offered, Quality and compares them with other bids in the abovementioned aspects.
- 5.4 The purchaser reserves the right to negotiate specifications, prices during evaluation if found necessary. Other conditions being equal the firm which can assure quick delivery shall carry weightage.

6. Arbitration and Laws:

In case of any dispute or difference arising out of or in connection with the tender conditions / order and Contract, OFDC and the Supplier will address the dispute / difference for a mutual resolution and failing which, the matter shall be referred for arbitration to a sole Arbitrator to be appointed by the OFDC. The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Bhubaneswar only. The resolution of the Arbitrator shall be final and binding on both the parties.

7. Jurisdiction:

The courts at Bhubaneswar alone will have the jurisdiction to try any matter, dispute or reference between parties arising out of this tender / contract. It is specifically agreed that no court outside and other than Bhubaneswar court shall have jurisdiction in the matter.

8. Right To Reject/Accept The Tender

The tender procedure is not for the confirmed purchase order / work order but for the finalization of rates, purchase order/work order would be issued for items as per the requirement. The quantity mentioned are indicative, it would be bound on the successful bidder has to supply & install the

UPS as per the quantity mentioned in the purchase order on given time limit. The purchaser reserves the right either to reject or accept any or all tenders. Orders may also be split among different selected bidders. The purchaser has exclusive right to alter the quantities of materials at the time of placing the final purchase order. After placing the purchase order, the purchaser may order to defer the delivery of the material. It may be clearly understood by the tenderer that the purchaser need not assign any reason for the above action.

9. Amendment of Invitation

In case of any seeming discrepancy between the Press Advertisement, other detailed provisions of the Tender print-document and the updated version on the web in PFD format (up to 6.12.2014 till 05.00 PM), the web-version will prevail. At any time prior to the deadline for submission of bids, OFDC Ltd reserves the right to add / modify / delete any portion of this document by issuance of an addendum, which would be published on the web site. The addendum shall be binding on all bidders.

10. Final Authority

The final authority for payments will be the consignee except otherwise specifically stated and if the vendor/supplier desires to appeal against any matter he shall appeal to the Managing Director, Orissa Forest Development Corporation Ltd, A/84, Kharvel Nagar, Bhubaneswar-751001 whose decision on such matters shall be final and conclusive.

Accepting all above terms and conditions.

Place :
Date:

Signature & Seal of the Bidder

11 General Information/Bid
(Attach documents in support, wherever required)

SI No	Company/Firm/Agency Name			
1	Whether Bidder is a Company/Firm/Agency			
2	Registered			
	Office Address			
	City		Pin	
	State		Website	
	Telephone		Cell	
	Fax		E-mail	
3	Office Address (in Odisha)			
	City		Pin	
	State		Website	
	Telephone		Cell	
	Fax		E-mail	
4	Whether Bidder is a Company/ Firm/Agency operates for 3 yrs or more(Attach proof)			
5	PAN of the Company/ Firm/Agency			
6	C.S.T No of the Company/ Firm/Agency			
7	VAT No of the Company/ Firm/Agency			
8	Service tax No of the Company/ Firm/Agency			
9	Whether Bidder has attached the up-to date bid clearance certificate			
10	Whether Bidder has attached the Original Equipment Manufacturers certificate for the item quoted(Attach proof)			
11	Annual Turn over for the FY 2012-13 (Attach Proof)			
	FY 2011-12			
	FY 2010-11			
12	Whether Annexure-1 and Annexure-2 are submitted			
13	Details of Tender Document Fee of Rs.../- submitted			
14	Details of EMD of Rs...../- submitted			

Place :

Signature & Seal of the Bidder

Date:

11. Technical Bid

A. (2x6KVA) Online UPS

Make:

Model No:

	Parameters	Required Specifications	Whether Complied (Yes/No)	Deviation, if any
I	Rating	6 KVA (6KVA/5.4 KW) Both KVA and KW ratings need to be maintained		
II	Configuration	2 x 6KVA True On-Line Double Conversion UPS System in parallel redundant mode with individual battery banks		
III	Technology	Online, double –conversion topology with DSP (Digital Signal Processing) Technology using IGBT inverter with static bypass switch and maintenance bypass switch.		
IV	Input Parameters			
	Nominal Input Voltage (VAC)	220/230/240 VAC Single Phase		
	Input Voltage Range	120-275 VAC from nominal at 50% Load 140-275 VAC from nominal at 75% Load 160-275 VAC from nominal at 100% Load		
	Input Operating Frequency	50Hz (45 to 55 Hz)		
	Input Power Factor	>0.98 at Full Load		
	Input Current Distortion	<5% THDi without using filters		
	Rectifier Type	IGBT based only		
V	Output Parameters			
	Power	6KVA/5.4 KW on Continuous basis		
	Output Voltage & Voltage Regulations	220/230/240 (User Selectable), +/- 1%		
	Output Frequency	50/60 Hz, +/- 0.1% Nominal		
	Output Power Factor	0.9		
	Output Waveform	PURE sine Wave		
	Overload Capacity	125% for 1 minute and 150% for 30 seconds		
	Voltage Distortion	<3% linear load, < 5% non-linear load		
	Overall Efficiency (AC-AC)	94% or better in Double Conversion Mode 98% or better in Eco Mode		
VI	User Interface			
	LCD Display	The UPS control panel shall be a digital front panel display that features a backlit LCD display. The LCD shall display UPS status, metering, battery status, alarm/event queue, active alarms and other necessary parameters		
	LED Indicators	UPS on, On battery, On Bypass, Alarm		
	Standard Communication	DB-9 RS-232 as well as RJ45 10/100 Base-T (Directly through LAN connection).		

	Ports			
	Optional Communication Ports	Mini-Slot cards: Web/SNMP, Relay/RS232		
VII	Upgradability & Scalability	The 2x 6KVA online UPS System Shall be connected in parallel redundant mode (N+1) configuration with separate independent battery bank for each UPS.		
VIII	Communications	The UPS is equipped with WEB/SNMP communication software for monitoring / shutdown as standard. The UPS shall have Power Management Software features to provide UPS monitoring, notification, management and emergency computer shutdown capabilities.		
IX	Battery			
	Type	Sealed Lead Acid Batteries Maintenance Free/ VRLA		
	Battery Charging	Advanced Battery Management		
	Back_up Time	The System must be capable of providing minimum 4Hrs of battery back- up time at full load using 12V, Sealed Lead Acid Batteries (Maintenance Free) (Quanta/ Exide Power safe) with minimum capacity of each battery is 65AH..		
	Battery Bank Details & VRH Rating	Each UPS should have independent battery bank and each battery Bank should capable of providing minimum 2 Hrs Back up. Battery Bank Details (Nos of batteries, rating of each battery) to be provided. MCB to be provided for safety of the battery bank. The vendor has to supply the necessary battery rack and interconnecting cables. The approximate minimum space requirement for the set up has to be mentioned.		
	Cabinet Rating	IP20/21 protection requirement		
	Overall Efficiency	>90%		
X	Protection	Overload & Short Cuircuit at the output, Over Temperature inside the UPS, Over Discharge for battery, Spike & Surge to the Load, Under/Over Voltage to the Load in Norman Mode & Bypass Mode		
X	Environmental			
	Operating Temperature	0°C to 40°C		
	Storage Temperature	-25°C to +50°C		
	Altitude	<1000m		
	Audible Noise at 1 mtr	<45db		
	Humidity	0~95% , No Condensation		
XI	Certification	Documentary Evidence to be submitted		
	Quality System	ISO 9001, ISO 14001, OHSAS 18001		
	Markings	CE/UL(Mandatory)		
	EMI Standards	EN 50091-2/EN55022/ EN55024		
	EMC Compliance	IEC 62040-2(Mandatory)		
		The tenderer has to furnish documentary proof in respect of certification to the		

		<i>product offered or product series of the product offered. Please note that without clear documentary proof to the certification requirement at the time of technical evaluation, the offer shall be summarily rejected.</i>		
XII	Warranty	Three years comprehensive on-site warranty for the UPS and Three years for the Batteries should be offered. Also rate of AMC after warranty has to be mentioned clearly in the price bid separately.		
XIII	Others	<ol style="list-style-type: none"> 1. The UPS should have Smart Fan Control features and Cold Start Function. 2. Compatibility with all Generator Set. 3. All technical specifications should be verifiable through the official website of the UPS manufacturer 4. One set of Original Printed brochure alongwith the operation/user's manual of the quoted model should be compulsorily enclosed with the technical bid 5. The offered model should be available for at least six years from the date of initial supply. 		

Place :
Date:

Signature & Seal of the Bidder

13. Commercial Offer

TENDER NO. : _____ **Date:** _____

A. Supply, Installation and Commissioning of 2x 6KVA Online UPS

SI No.	Item	Qty (A)	Unit Price (B)	Taxes if Any (C)	Price with Tax (D) (B + C)	Total Price (E) (A * D)

Place :

Signature & Seal of the Bidder

Date:

Note:

1. *The bidder must indicate unit price, all the tax components and total cost in Indian Rupees separately in their price quotation.*
2. *The bidder must quote for entire products indicated above (as per Technical Spec.) otherwise the bid will not be considered.*
3. *The price offer must be valid for 1 (One) year. Any offer falling short of the validity period is liable for rejection.*

ANNEXURE-I**BID Form
(In Company Letter Head)**

Date : _____

Ref : _____

To**THE MANAGING DIRECTOR
ODISHA FOREST DEVELOPMENT CORPORATION LTD
A/84, KHARVEL NAGAR, BHUBANESWAR 751001**

Dear Sir,

Having examined the tender documents issued we, the undersigned, offer to undertake the job of Supply, installation and commissioning of 2 x 6 KVA Online UPS as per the Tender No. _____ dated _____.

We agree to abide by this bid for the period of one Year from the date fixed for price bid opening and it shall remain binding upon us for acceptance at any time before the expiry of the period. This bid, together with your written acceptance thereof and your order / notification of award, shall constitute a binding contract between us.

We understand that OFDC Ltd reserves the right to accept in full / part or reject any or all the bids received or split order within successful bidders or increase / decrease quantities offered, without any explanation to bidders and OFDC's decision on the subject will be final and binding on Bidder.

We have enclosed an EMD of Rs (DD No dated drawn on) along with the QUALIFYING BID.

Dated, this day of2014

Signature
(In capacity of) Duly authorized to sign bid/
for and on behalf of

.....
(Name and Address of the Bidder)

(Affix Official Seal)

ANNEXURE-II**REPRESENTATIVE AUTHORIZATION LETTER
(In Company Letter Head)**

Date : _____

Ref : _____

To**ORISSA FOREST DEVELOPMENT CORPORATION LTD
A/84, KHARVEL NAGAR, BHUBANESWAR-751001**

Ms. /Mr. _____ is hereby authorised to sign relevant documents on behalf of the company in dealing with invitation Tender No _____. She/he is also authorised to attend meetings & submit technical & commercial information as may be required by you in the course of processing above said application.

Thanking you,

Authorised Signatory

Representative Signature_____
Signature attested

Company Seal

Place :**Signature & Seal of the Bidder****Date:**