



**JODHPUR VIDYUT VITARAN NIGAM LIMITED**  
Corporate Identity Number (CIN) – U40109RJ2000SG016483  
REGISTERD OFFICE: NEW POWER HOUSE, JODHPUR –342003  
**OFFICE OF THE SUPERINTENDING ENGINEER (IT)**

Phone:-5106660, Fax: - 0291-2741772; e-mail:- [seitjodhpur@gmail.com](mailto:seitjodhpur@gmail.com); Website: [www.jdvvn.com](http://www.jdvvn.com)

No: JdVVNL/SE (IT)/F. TN-IT-19- RT-DAS / D 542

Date: 2/9/19

**Corrigendum/Amendments against RFP under TN-IT-19 for RT-DAS**

Corrigendum/Amendment for clarification regarding pre-bid queries under RFP for Implementation of Real Time Data Acquisition System (RT-DAS) in JdVVNL for measurement of SAIFI/SAIDI of Non SCADA towns under IPDS against Tender TN-IT-19 is hereby issued as follows:-

S.No	Section	Page No.	Clause No.	Contents of bid requiring clarification	Amendments after TSAC meeting
1		2		Tender document fees ,E-tender processing fees and EMD submission dates mentioned as 19-August-2019	Amended vide letter no. 486 dated 19.08.2019 (Annex-A)
2	1.4.4	14	(xvi)	Successful bidders are required to ensure that equipments installed are integrated with MBC (Metering, Billing & Collection) and Energy Audit application modules established under R-APDRP or any other own in-house IT system to derive benefits from RT-DAS solution.	1. As per RFP Requirement 2. XML/JSON/CDF format as required 3. Details of existing system enclosed with amendment as per PFC guideline(Annex-B) 4.No Change
3	Chapter-I Instruction to Bidders	15	1.6.1	The proposal shall be required to be submitted up to 5:00 PM of 19th August 2019 and will be opened on 20th August 2019 at 3:00 PM by JDVVNL, in the presence of those bidders or their representatives who may be present at the time of opening of bids.	Amended vide letter no. 486 dated 19.08.2019 (Annex-A)
4	1.6.1	15		Bid Submission Date is mentioned as 19th August 2019 and opening date 20th August 2019. But in Website the date is mentioned as 29th August 2019 and 30th August 2019.	Amended vide letter no. 486 dated 19.08.2019 (Annex-A)

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5	Chapter-II Major Time Lines	17		Submission of Earnest Money Deposit/ Bid Security through DD / Bankers Cheque in favour of SE(IT), JDVVNL, Jodhpur or in the form of BG in the name of SE(IT) (BG on stamp paper of 0.25% of BG amount or maximum up to Rs. 25,000/-). Rs. 18.045 Lacs 19.08.2019 upto 5 PM	Amended vide letter no. 486 dated 19.08.2019 (Annex-A)
6	3.1 Pre- Qualification Criteria	19	G.2	In Case the Class 'B' or higher Electrical license are not available with the bidder, the bidder shall furnish an undertaking along with Bank Guarantee of Rs. 5 Lacs that the same shall be furnished within 2 months from the date of award of contract.	No Change
7	Pre Qualification Criteria	19	3.1	G.1 The Bidder shall be a Company incorporated under the Companies Act 1956/ 2013 OR Company owned or controlled, directly or indirectly, by the Central Government or by any state Government or partly by the Central Government and partly by one or more state government which is subject to audit by the Auditor appointed by the Comptroller and Auditor General of India under sub-section (5) or (7) of section 139 of the Companies Act,2013 OR Entity owned by Public Sector Undertakings of Central/State Government  [In case of consortium/ Joint Venture, all need to satisfy this condition. A Consortium not more than three bidders. Each of the bidder should be a Company incorporated under applicable Companies Act /Proprietary Firm/ Partnership Firm incorporated under applicable Partnership Act which is existing from last 5 financial years.]	G.1 The Bidder shall be a Company incorporated under the Companies Act 1956/ 2013 OR Company owned or controlled, directly or indirectly, by the Central Government or by any state Government or partly by the Central Government and partly by one or more state government which is subject to audit by the Auditor appointed by the Comptroller and Auditor General of India under sub-section (5) or (7) of section 139 of the Companies Act,2013 OR Entity owned by Public Sector Undertakings of Central/State Government  [A Consortium not more than three bidders is allowed. In case of consortium/ Joint Venture, Lead Partner must satisfy aforesaid condition and rest may be a

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					<b>Company incorporated under applicable Companies Act /Proprietary Firm/ Partnership Firm incorporated under applicable Partnership Act which is existing from last 5 financial years.]</b>
8	Pre Qualification Criteria	21	3.1	<p>The bidder must have implemented and completed at least one SCADA or DAS project, costing not less than the amount equal to 80% (i.e. 7.218 Cr) of the estimated cost of Rs. 9.0225 Cr, or two SCADA or DAS projects, costing not less than the amount equal to 50% (i.e. 4.511 Cr) of estimated Cost covering RTUs and/or FRTUs during the last seven financial years., which may include</p> <p>a) Real time data acquisition  b) Sequence of event recording &amp; trending  c) Data storage &amp; retrieval  d) IEC-870-5 protocol / DNP3.0/MODBUS for Power Generation / Transmission / Distribution System, water, Oil &amp; Gas, Transportation, for above which must be in successful operation as on date of opening of the bid. (In Case of consortium/Joint Venture, at least one partner shall meet the requirement)</p>	<p>The bidder must have implemented and completed at least one SCADA or DAS project, costing not less than the amount equal to 80% (i.e. 7.218 Cr) of the estimated cost of Rs. 9.0225 Cr, or two SCADA or DAS projects, costing not less than the amount equal to 50% (i.e. 4.511 Cr) of estimated Cost each covering RTUs and/or FRTUs during the last seven financial years.. which may include</p> <p>a) Real time data acquisition  b) Sequence of event recording &amp; trending  c) Data storage &amp; retrieval  d) IEC-870-5 protocol / DNP3.0/MODBUS for Power Generation / Transmission / Distribution System, water, Oil &amp; Gas, Transportation, for above which must be in successful operation as on date of opening of the bid. (In Case of consortium/Joint Venture, at least one partner shall meet the requirement)</p>
9	Chapter- 5	24	5. Scope of Work	<b>SLD and mimics for monitoring at S/S</b> about outage through SMS (can be extended to consumers using IT system SMS)	No need of LDMS to be supplied at Substation (As per RFP)
10		28	6. Roles & Responsibilities	Provide power requirements, general facility & infrastructure support, environmental support systems, fire safety appliances & control measures in all locations	As per RFP

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				other than those explicitly stated as the SI's responsibility	
11		32	2.4.4	to make provision for import of GIS data in xml format from IT system for creation of database. In case GIS data is not available due to non readiness of GIS/ IT System, then plain xml data shall be populated by SSIA to meet objective of the project.	As per RFP
12	Chapter-IX Conditions of Contract	39	9.17	The purchaser shall at its sole discretion invoke the performance security and appropriate the amount secured there under, in the event that the supplier commits any delay or default in delivery of the goods or related services during the contract period (including AMC) or commits any other breach of the terms and conditions of the contract.	As per RFP
13	9.21	41	9.21.2	Technical specifications of the servers and work station PC	Bidder will provide latest version of servers and workstation PC and any other equipment etc.
14	9.21	43	9.21.5	The implementing Agency shall have to integrate the RT-DAS with existing SCADA/DMS as well as JdVVNLs prevailing Billing/CRM system/ MDAS-MDM under R-APDRP Part-A Project, DT Metering Project and 11kV RAMC.	As per RFP
15	Chapter X	51	10. Special Conditions of Tender	1. The system (comprising hardware and software) on the DC cloud and DR cloud which shall be scalable as the solution offered is on SAAS model. The requirement of scalability may be arisen due to Growth of consumer base and their complaints in the area.	Not applicable
16	Special Conditions of Tender	52	10	All the required license, license updates / Licenses renewal / AMC of Licenses, Hardware AMC, software updates. Change request mobile application updating is the responsibility of vendor within the quoted price till currency of contract	Itemwise breakup may be provided under the same head by the bidders.
17	Chapter-X Schedules	53	11	Advanced payment: 10% interest bearing advance against 110% BG	As per RFP

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18	Chapter-X Schedules	54	11	Payment schedule of Bandwidth service	Payment will be made on quarterly basis.
19	Chapter-X Schedules	54	11	Payment schedule of AMC service	Payment will be made on yearly basis
20	11	53-54	C)	<p>C) FRTU &amp; associated components cost  Substation wise progressively linked to (Supply of material after Factory Acceptance test) i.e. FRTU and associated system substation (40%) On Prorata basis after Successful Completion of Factory Acceptance Tests (FAT as defined in MTS) and Delivery of necessary software tapes to Utility as per Bill of Quantities for Software Installation based on certification by the Utility Or Prorata basis on the receipt of equipments at site along with submission of :</p> <p>a. Detailed Packing list identifying contents of each consignment (3copies)  b. Manufacturer's/contractor's Guarantee certificate of Quality  c. Insurance Policy/certificate (3 Copies)  d. Material Inspection Clearance or equivalent Certificate for dispatch issued by the Utility</p>	No Change
21		60	Annexure - 3	Bill of quantity, Sr.No 42:- MFT's 787+179	As per RFP
22	Annexue-2	60		The successful bidder shall be required to integrate RT-DAS application with existing IT applications at centralized Data centre established in town under Part-A (IT) of RAPDRP. Exact integration requirement is mentioned in the Model technical specification (MTS) provided separately with the RFP.	Details of existing system enclosed with amendment as per PFC guideline (Annex-B)
23	Annexure 3	61	8.1 Network Connectivity for 4 MBPS aggregation MPLS Link at Data Centre for 5 years	Network Connectivity for 4 MBPS aggregation MPLS Link at Data Centre	As per RFP
24		63	SECTION IV/ Price Bid	FRTU comprising panels, racks, sub-racks, Power Supply	As per RFP

			Schedule 4.1	modules, CPU analog / digital input module as per specification interfacing equipment, required converters & all other required items/accessories including complete wiring for all modules for a sub station	
25		64	Notes Point Num :- 4	Installation would include installation and commissioning of additional components supplied and any Software modification/ Customization charges along with integration with all associated existing hardware and Software like Application software, Operating Systems, Antivirus, EMS/NMS, IDS, firewalls etc. as per requirement and relevant technical specification	As per RFP
26		64	Right to vary quantity:	Orders for extra items may be placed by the procuring entity in accordance with the Schedule of Powers as prescribed by the Finance Department, upto 5% of the value of the original contract, if allowed in the bidding documents. The fair market value of such extra items payable by the procuring entity to the contractor shall be determined by the procuring entity in accordance with guidelines prescribed by the administrative department concerned	<b>This Clause is being deleted from RFP</b>
27		100	Annexure 14	Price of items to be used during AMC for Rate Contract Purpose	As per RFP
28	Annexure	101	Annexure 14 Price of items to be used during AMC for Rate Contract Purpose	The bidders shall identify and assess items/components that are prone to such damage/failure and quote the unit price of such hardware items/components. JDVVNL shall sign a rate contract separately with the bidder for this purpose. Lowest price among all bidders shall be considered for each item/component.	<b>This Clause is being deleted from RFP</b>
29	Chapter 1	103	PART-II (MTS) 1.1	SLD and mimics for monitoring at S/S and Data centre	As per RFP
30	PART-II (MTS) 1.3	107	PART-II (MTS) 1.3	The scope of integration of external systems includes, IT systems under R-APDRP, legacy RTU/FRTU	As per RFP

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31		107	1.3 Responsibility of SSIA	Integration Scope: SSIA should ensure that legacy systems and the new solutions supplied by them are tightly integrated and do not remain stand-alone and shall perform on real time to make provision for import of GIS data in xml format from IT system for creation of database. In case GIS data is not available due to non readiness of GIS/ IT System, then plain xml data shall be populated by SSIA to meet objective of the project.	As per RFP
32	PART-II (MTS) 1.4	109	PART-II (MTS) 1.4	(i) Verification of Data Integration from RT-DAS system other systems viz IT Systems etc XML based data for feeder wise GIS information (as available) or created feeder wise consumer count and update mechanism from IT system	As per RFP
33	Chapter 2	112	2.3.4.2.	A status point shall be defined by single state point and names shall be provided as minimum: - 1. Open/Closed, 2. Tripped/Closed, 3. Fault/Normal, 4. On/Off, 5.Auto/Manual, 6. Remote Local	As per RFP
34	CHAPTER -2 RT-DAS FUNCTIONS 2.3	113	CHAPTER -2 RT-DAS FUNCTIONS 2.3	Existing GIS Systems	As per RFP
35		113	2.3.1 Data Acquisition	7.5 Analog Inputs The real-time values like, Active power, Reactive Power, Apparent power three phase Current & Voltage and frequency, power factor & accumulated values of import/export energy values will be acquired from FRTU from MFTs installed in each 11kv feeder of substations	As per RFP
36	CHAPTER -2	117	CHAPTER -2 RT-DAS FUNCTIONS 2.3.8.1	SAIFI/SAIDI table shall be created as per criteria of IEEE and SERC both.	As per RFP
37		129	5.2 Hardware Configuration	FRTU Communication Card / Module shall support VPN / SSL Security / Encryption of data coming to it through Public network, and then send over private & secure Utility network to the RT-DAS at datacenter .	As per RFP
38		131	6.1 System Redundancy	Printers: All Printers shall be non- redundant devices.	As per RFP
39		132	7.1 FRTU Functions	(a) Acquiring analog values from Multifunction Transducers or alternatively through transducer- less modules (Usage of current loops 4-20Ma standard signals such as 0-5vdc etc ) , transducer etc	As per RFP

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40	135	7.10 Input DC Power Supply	The FRTU will be powered from a 48 V DC power supply system. The FRTU shall not place additional ground on the input power source. The characteristics of the input DC power supply shall be (a) Nominal voltage of 48 Vdc with variation between 40.8 and 57.6	The FRTU will be powered from a 24/48 V DC power supply system
41	136	7.14 Wiring/Cabling Requirements	Minimum core cross-section of 2.5 mm <sup>2</sup> for PT cables, 4 mm <sup>2</sup> for CT cables, if applicable and 2.5 mm <sup>2</sup> for Control and Status inputs	As per RFP
42	137	7.17 MFT Requirements:	All transducers including weather sensor shall use a 48 Vdc auxiliary power supply as provided for the FRTU.	The FRTU will be powered from a 24/48 V DC power supply system
43	141	7.20 TRAINING	The contractor shall provide training to the Employer's personnel. The training program shall be comprehensive and provide for interdisciplinary training on hardware and software. The training program shall be conducted in English	First training will be conducted during execution of RTDAS System at New Power House Jodhpur with 11 Staff. Second training will be conducted after completion of installation and commissioning at each circle HQ
44	148	7.23.1 General Technical Requirements for SMPS based DC power supply units	The number of SMPS modules to be provided in the DCPS system shall be provided in N+2 configuration, where N is the number of SMPS modules to meet the battery charging current (10% of C10 AH Capacity) of the offered battery plus the load requirement stipulated in the BOQ.	As per RFP
45	155	7.32 Distribution Boards	AC distribution boards shall be provided for UPS input and output power distribution. The distribution boards shall distribute power and provide protection against failures on feeder circuits, to the equipment.	Not Applicable



46		161	7.37 Mandatory Spares	List of mandatory spares for UPS, DCPS are mentioned in the BOQ	Not Applicable
47	Chapter 8	162	Chapter 8 8.2.1	The hardware integration test shall be performed to ensure that the offered computer hardware, conforms to this Specification requirements and the Contractor-supplied hardware documentation. All the RT-DAS system hardware shall be integrated and staged for testing. Applicable hardware diagnostics shall be used to verify the hardware configuration of each equipment	All activity required will be the sole responsibility of vender/bidder.
48			AMC - 2.1 Hours of Cover	The Contractor's on-site support standard hours of service the timings for Emergency Software Support would be 24 hours a day, 7 days a week throughout the year ( i.e. 24x365). At least three Engineers including Site Manager along with one on-site support personnel for Hardware and one on-site personnel for Software shall be deployed at the centralized Data Centre in <b>VCV Gabar Singh Urja Bhawan, Dehradun</b> . The support personnel so deployed shall be qualified personnel having experience in the delivered	Jodhpur DR Centre instead of <b>VCV Gabar Singh Urja Bhawan Dehradun</b> .
49			AMC - f. Restoration of Control Centre in case of Failure	The AMC Contractor shall ensure that all the relevant data is transferred from control centre at regular frequency to Data Recovery Centre (DR) which is required for restoration of Control Centre in case of complete failure of Control centre. The AMC Contractor shall carry out system build in order to build the RT-DAS system at Control centre from scratch utilizing DR Centre.	DR Location at New Power House Jodhpur
50				7.33 DISTRIBUTION BOARDS AC distribution boards shall be provided for UPS input and output power distribution.	Not Applicable
51			NOTICE INVITING TENDER	Submission of Tender Document Fee (including GST @ 18%) in form of Banker's Cheque/ Demand, with SE(IT) in favour of Sr.AO(CPC), Jodhpur Vidyut Vitran Nigam Limited, Jodhpur,(non- refundable), payable at Jodhpur, Rajasthan	Amended vide letter no. 486 dated 19.08.2019 (Annex-A)

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		NOTICE INVITING TENDER	Submission of Earnest Money Deposit/ Bid Security through DD / Bankers Cheque in favour of SE(IT), JDVVNL, Jodhpur or in the form of BG in the name of SE(IT) (BG on stamp paper of 0.25% of BG amount or maximum up to Rs. 25,000/-)	Amended vide letter no. 486 dated 19.08.2019 (Annex-A)
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is issued without prejudice to other terms & conditions of the subject tender.




(Umesh Mathur)

Superintending Engineer (IT)

Jodhpur Discom, Jodhpur

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	<b>JODHPUR VIDYUT VITRAN NIGAM LIMITED</b> Corporate Identity Number (CIN) – U40109RJ2000SG016483 REGISTERD OFFICE: NEW POWER HOUSE, JODHPUR –342003 <b>OFFICE OF THE SUPERINTENDING ENGINEER (IT)</b> Phone:-5106660, Fax: - 0291-2741772; e-mail:- <a href="mailto:seitjodhpur@gmail.com">seitjodhpur@gmail.com</a> ; Website: <a href="http://www.jdvvn.com">www.jdvvn.com</a>
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No: JdVVNL/SE (IT)/F. TN-IT-19- RT-DAS / D 486

Date: 19/8/19

**Corrigendum for due dates of Major Time Line under TN-IT-19 for RT-DAS**

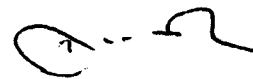
Corrigendum for clarification regarding due dates under RFP for Implementation of Real Time Data Acquisition System (RT-DAS) in JdVVNL for measurement of SAIFI/SAIDI of Non SCADA towns under IPDS against Tender TN-IT-19 is hereby issued as follows:-

	<b>IN PUBLISHED RFP</b>	<b>CORRIGENDUM</b>
<b>Notice Inviting Tender</b>		
Submission of Tender Document Fee (including GST @ 18%) in form of Banker' s Cheque/ Demand, with SE(IT) in favour of Sr.AO(CPC), Jodhpur Vidyut Vitran Nigam Limited, Jodhpur,(non- refundable), payable at Jodhpur, Rajasthan	Rs.5900/- 19.08.2019 upto 5 PM Participation from MSME allowed as per the provision of RTPP Act 2013 and Rajasthan Gazette Notification dated 19.11.2015. And various fee for them as under Tender Document Fee: Rs 2950/-	Rs.5900/- <b>29.08.2019</b> upto 5 PM Participation from MSME allowed as per the provision of RTPP Act 2013 and Rajasthan Gazette Notification dated 19.11.2015. And various fee for them as under Tender Document Fee: Rs 2950/-
Submission Demand Draft for e-Tender Processing Fee with SE(IT), JDVVNL, Jodhpur in favour of M.D, RISL payable at Jodhpur(non-refundable)	Rs.1000/- 19.08.2019 upto 5 PM	Rs.1000/- <b>29.08.2019</b> upto 5 PM
Submission of Earnest Money Deposit/ Bid Security through DD / Bankers Cheque in favour of SE(IT), JDVVNL, Jodhpur or in the form of BG in the name of SE(IT) (BG on stamp paper of 0.25% of BG amount or maximum up to Rs. 25,000/-).	Rs. 18.045 Lacs 19.08.2019 upto 5 PM In lieu of the Bid Security, a bid securing declaration shall be submitted from departments of the State Government and undertakings, corporations, autonomous bodies, registered societies, cooperative societies which are owned or controlled or managed by the State Government and Government undertakings of the Central Government as per Rule#42 of Rajasthan Transparency in Public Procurement Rules, 2013	Rs. 18.045 Lacs <b>29.08.2019</b> upto 5 PM In lieu of the Bid Security, a bid securing declaration shall be submitted from departments of the State Government and undertakings, corporations, autonomous bodies, registered societies, cooperative societies which are owned or controlled or managed by the State Government and Government undertakings of the Central Government as per Rule#42 of Rajasthan Transparency in Public Procurement Rules, 2013
<b>Chapter-I Instruction to Bidders</b>		
<b>1.6.1 Bid Opening</b>	The proposal shall be required to be submitted up to 5:00 PM of 19 <sup>th</sup> August 2019 and will be opened on 20 <sup>th</sup> August 2019 at 3:00 PM by JDVVNL, in the presence of those bidders or their Representatives who may be present at the time of opening of	The proposal shall be required to be submitted up to 5:00 PM of <b>29<sup>th</sup> August 2019</b> and will be opened on <b>30<sup>th</sup> August 2019</b> at 3:00 PM by JDVVNL, in the presence of those bidders or their Representatives who may be present at the time of opening of

	bids.	bids.
<b>Chapter-II Major Time Lines</b>		
Submission of Tender Document Fee (including GST @ 18%) in form of Banker's Cheque/ Demand, with SE(IT) in favour of Sr.AO(CPC), Jodhpur Vidyut Vitran Nigam Limited, Jodhpur,(non-refundable), payable at Jodhpur, Rajasthan	Rs.5900/- 19.08.2019 upto 5 PM Participation from MSME allowed as per the provision of RTPP Act 2013 and Rajasthan Gazette Notification dated 19.11.2015. And various fee for them as under Tender Document Fee: Rs 2950/-	Rs.5900/- <b>29.08.2019</b> upto 5 PM Participation from MSME allowed as per the provision of RTPP Act 2013 and Rajasthan Gazette Notification dated 19.11.2015. And various fee for them as under Tender Document Fee: Rs 2950/-
Submission Demand Draft for e-Tender Processing Fee with SE(IT), JDVVNL, Jodhpur in favour of M.D. RISL payable at Jodhpur(non-refundable)	Rs.1000/- 19.08.2019 upto 5 PM	Rs.1000/- <b>29.08.2019</b> upto 5 PM
Submission of Earnest Money Deposit/ Bid Security through DD / Bankers Cheque in favour of SE(IT), JDVVNL, Jodhpur or in the form of BG in the name of SE(IT) (BG on stamp paper of 0.25% of BG amount or maximum up to Rs. 25,000/-).	Rs. 18.045 Lacs 19.08.2019 upto 5 PM In lieu of the Bid Security, a bid securing declaration shall be submitted from departments of the State Government and undertakings, corporations, autonomous bodies, registered societies, cooperative societies which are owned or controlled or managed by the State Government and Government undertakings of the Central Government as per Rule#42 of Rajasthan Transparency in Public Procurement Rules, 2013	Rs. 18.045 Lacs <b>29.08.2019</b> upto 5 PM In lieu of the Bid Security, a bid securing declaration shall be submitted from departments of the State Government and undertakings, corporations, autonomous bodies, registered societies, cooperative societies which are owned or controlled or managed by the State Government and Government undertakings of the Central Government as per Rule#42 of Rajasthan Transparency in Public Procurement Rules, 2013

Note: The Tender Document fee, E-Tender processing fee and EMD submission date will be the date of Bid Submission.

This is issued without prejudice to other terms & conditions of the subject tender.



(Umesh Mathur)

Superintending Engineer (IT)

Jodhpur Discom, Jodhpur



**FINANCE CORPORATION LTD.**  
**Police Report - RT-DAS - SAFETY AND MEASUREMENT SYSTEM under IPDS (non-M-ADA) Form**  
**III. Assets of Utility**

**Information of Existing Application hosted at Data Centre**

Application	Version	Product Vendor	Platform	Type/Num. of Assets	Comments
<i>Detailed Application Information needs to be provided:</i>					
<b>Application Software License</b>					
Enterprise Management Solution (EMS)	CA EMS Suite	EMS	Windows	1	
Messaging Software	Microsoft Exchange	Microsoft	Windows	6	
Directory Software	Microsoft AD/DS	Microsoft	Windows	1	
SPAM Filter	TrendMicro	TrendMicro	Windows	1	
IDS System	CISCO 4260	Cisco	Windows	3	
Backup Software	HP dataproactor	HP	Windows	1	
Development of Web portal and web self service	HCL services	HCL	Windows	1	
Software License: Anti Virus	TrendMicro	TrendMicro	Windows	1	
MIS Office 2007 professional Enterprise wide license	MIS Office 2007	Microsoft	Windows	3819	
AMR based Meter data acquisition & analysis Software	Analogic	Analogic	Windows	1	
Energy Audit Software	EL-Psoft	EL-Psoft	Windows	1	
New Connection & Disconnection Management system	EL-Psoft	EL-Psoft	Windows	1	
GIS application	ESRI	ESRI	Windows	1	
GIS based Integrated Network analysis software	EL-Psoft	EL-Psoft	Windows	1	
MIS software	EL-Psoft	EL-Psoft	Windows	1	
Identity & access management software	CA identity & access	CA	Windows	1	
MBC software	EL-Psoft	EL-Psoft	Windows	1	
Asset management system software	Oracle	Oracle	Linux	1	
Maintenance management system software	Oracle	Oracle	Linux	1	
Middleware software including workflow and document management system	Microsoft Biztalk	Microsoft	Windows	1	
<b>Basic Software License</b>					
<i>Server OS</i>					
Windows Server OS	2008 Standard	Microsoft	Windows	48	Processor (N/A & Linux)
Windows Server OS	2008 Enterprise	Microsoft	Windows	74	
<i>Desktop OS</i>					
Windows Desktop OS	Windows 7	Microsoft	Windows	3819	
<i>Anti Virus</i>					
TrendMicro Antivirus Software	TrendMicro	TrendMicro	Windows	1	
<i>Databases</i>					
SQL Database Server	SQL 2008	Microsoft	Windows	24	

**Hardware Assets Located in Data Centre**

Category	Unit	Number	Model	Manufacturer	Memory	Storage	Processor
<b>Servers</b>							
In Data Centre	No	68	HP	DL 380 G6	16 GB	146 GB SAS	2*Quad core
	No	33	HP	DL 785 G5	64 GB	300 GB SAS	4*QMD
In Disaster Recovery Centre	No	68	HP	DL 380 G6	16 GB	146 GB SAS	2*Quad core
	No	30	HP	DL 785 G5	64 GB	300 GB SAS	4*QMD
In Customer Care Centre	No	8	HP	DL 380 G6	16 GB	146 GB SAS	2*Quad core
	No	20	HCL	HCL Infini 1300	4 GB	160 GB	Intel Core 2
<b>WorkStation PC</b>							
In Data Centre	No	1	HP	XP24000		80 TB (RAW)	
	No	1	HP	XP24000		80 TB (RAW)	
<b>Storage &amp; Backup Devices</b>							
In Data Centre	No	2	DB Power	prostar 60 KVA			
	No	2	DB Power	prostar 11 KVA			
In Disaster Recovery Centre	No	2	DB Power	prostar 60 KVA			
	No	2	DB Power	prostar 11 KVA			
In Customer Care Centre	No	1	DB Power	prostar 5 KVA			
	No	1	DB Power	prostar 11 KVA			
<b>Printers</b>							
In Data Centre	No	1	HP	HP LJ P3015DN			
	No	1	HP	HP LJ P3015DN			
<b>IDMS along with Automatic Token Dispenser Machine</b>							
				HP LJ P3015DN			
				DB Power			
<b>Cash/ Cheque Collection KIOSK</b>							
<b>Hand Held Spot Billing Equipment connected with Portable Printer</b>							
<b>Any Other device/equipment</b>							

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