

**Anneuxre - I Pre-bid Meeting on 15th November 2019. Pre bid Queries for Revamp, Supply, Implementation and Maintenance of Data Centre Facility at IDRBT, Hyderabad;
Tender No. IDRBT/SYS/GR/562/2019-20 Dated 4th November 2019.**

Sr.No	Page No	Clause No	Specifications	Queries/ Suggestions	Comments	IDRBT Clarifications
1	5		RFP schedule - Point no. 5 & 7	Request to provide time minimum 15 working days for submission of bid after prebid response		No change.
2	5			6. Last date for receipt of Bidding Documents: 29.11.2019, 15.00Hrs	Request you to kindly give atleast 15 days from the date of release of the prebid clarifications for submitting the bid.	No Chage
3	10	1.Statement of Purpose	The RFP also includes buy back of existing infrastructure that will be replaced, which includes dismantling and shifting from the site	What are all the buyback materials ? kindly provide the list of items.		No buyback equipments, also refer to Sr.No 13.
4	10		The RFP also includes buy back of existing infrastructure that will be replaced, which includes dismantling and shifting from the site	Please confirm the Buy back equipment's & materials. Include the line item in BoQ for quoting it		No buyback equipments, also refer to Sr.No 13.
5	13	f.Bidders Eligibility Criteria	The Bidder should have experience in Revamp, Supply, Implementation and Maintenance of Data Centre Facility for the organizations like National Banks / FI / Insurance Companies / PSUs / Government / Autonomous institutions	The Bidder should have experience in Supply, Implementation and Maintenance of Data Centre Facility for the organizations like National Banks / FI / Insurance Companies / PSUs / Government / Autonomous institutions optional - revamp (include large entrepreneurship Companies)		As per RFP, no change in eligibility criteria.
6	14	7. b Terms & Conditions	The Revamp, Operationalize and Maintenance of Data Centre Facility at IDRBT, Hyderabad should be completed within 4 (Four) Months from the date of purchase order.	At page number: 21, In project time line it was mentioned as "Supply, Installation, Configuring and Testing of specified equipment, material, facilities and services for establishment of Datacentre mentioned as 3 months" kindly clarify		Total project should be completed within 4 months from the date of purchase order.
7	15		Revamp, operationalise and maintenance of Data centre facility at IDRBT, should be completed within 4 months from the date of purchase order	Project time line will vary depends on the shutdown schedule date and phase manner implementation		Total project should be completed within 4 months from the date of purchase order.
8	16	Clause (O)	Consortium / Joint Ventures are not permitted with the RFP	We request to help us by accepting the Consortium for active participation in the bid.		No change, as per RFP.
9	21	J Downtime	Downtime: The Project Plan should clearly mention the minimum downtime required for shifting /moving/erecting during implementation can be taken up in a phased manner in live environment. Any critical work having even remotest possibility of impacting Data Centre work has to be taken up in a phased manner	Is there is any IT migration work which comes under the scope of SI?		The selected bidder shall ensure hardware migration to new infrastructure.
10	21	9 Bidding Process	The bidders shall submit the documents including but not limited to the following as part of the technical bid	We request you to please share the entire DC floor layout along with sectional view in AutoCAD format including Ac outdoor unit location		IDRBT will communicate site visit date and time. Relevant documents will be shared.
11	21		Supply installation configuration and testing of specified equipment, material, facilities ans services for establishment of Datacentre	3 months from the date of award of P.O		Total project should be completed within 4 months from the date of purchase order.

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12	22		Project plan should clearly mention the minimum downtime required for shifting/moving/erecting during implementation can be taken up in phased manner in live environment	Please provide more clarity on the migration activity		Project Plan shall be discussed and finalised with the selected bidder.
13	22		Buyback: Dismantling Data centre and disposing of demolished debris. The equipment should be purchased under buyback from IDRBT with no downtime, a details list buyback items to be prepared in coordination with IDRBT for approval	Dismantling of civil items shall be of scrap material, there is no any buy back value can be given		No buy back value for scrap material. However bidder has to dispose of demolished items from IDRBT premises. The scrap value (if any) can be adjusted in the total value quoted.
14	22		Warranty & AMC services	Consumables shall not cover under comprehensive AMC, switch gear, lights, batteries, NOVEC 1230 gas and refrigerant GAS and cables		Agreed; Bidder should list out the consumables items not covered under warranty and AMC. The Bidder should provide rate chart of listed items valid for the contract period.
15	23		IBMS room having seating space for two people	Please confirm the location of IBMS room and line item in the BoQ		No separate BMS Room, space for two will be accomodated in IT helpdesk space. IBMS Package should be installed.
16	29	g Calculation of Penalty	Calculation of Penalty	We request you to reduce the cost for penalty calculation		Clarified at Sr.No 17
17	29		Any sub system failure has to be repaired within 2hrs of reporting. Time taken to repair beyond 2hrs will be counted as down time	Please revise the repair time since it depends on the failure rate of equipment,		Revised Calculation of Penalty is as described in under mentioned table (Sr. No 18)
18	29	Sr.No	Service	Response Time*	Repair/Rectify Time*	Penalty for issue pending for more than 24 Hours*
	29	1	Smart Rack/Cabinet/Micro DC - Cooling System	Within 3 Hours	Within 24 Hours	Rs 10,000/- per day
	29	2	IBMS Package	Within 3 Hours	Within 24 Hours	Rs 1,000/- per day
	29	3	Industrial A/C	Within 3 Hours	Within 24 Hours	Rs 5,000/- per day
	29	4	Split AC/ Access Control System/CCTV	Within 3 Hours	Within 24 Hours	Rs 500/- per day
	29			*Response/Repair/Rectify Time starts from the date and time of reporting of the issue.		
19	32	24 Payment Terms	a. A payment of 25 percent (25%) of product cost (equipment + hardware + software), would be payable on successful Delivery of Equipment, Hardware and Software at IDRBT b. A payment of 65 percent (65%) would be payable on Successful installation, operationalization and Completion of User Acceptance Testing and sign off from IDRBT c. On completion of warranty period of three years, remaining 10% would be payable.	Relaxation in payment terms as follows a. A payment of 50% against product cost b. A payment of 40% against successful installation c. Balance 10% on completion of warranty period		As per RFP.

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20	32	24.Payment Terms	A payment of 25 percent (25%) of product cost (equipment + hardware + software), would be payable on successful Delivery of Equipment, Hardware and Software at IDRBT	Requested to modify the Clause "A payment of 70 percent (70%) of Total Projects cost (equipment + hardware + software), would be payable on successful Delivery of Equipment, Hardware and Software at IDRBT."		No change, As per RFP
21	32	24.Payment Terms	A payment of 65 percent (65%) would be payable on Successful installation, operationalization and Completion of User Acceptance Testing and sign off from IDRBT	Requested to modify the Clause "A payment of 20 percent (20%) would be payable on Successful installation, operationalization and Completion of User Acceptance Testing and sign off from IDRBT		No change, As per RFP
22	32	24.Payment Terms	On completion of warranty period of three years, remaining 10% would be payable.	Requested to modify the Clause "On completion of warranty period of three years, remaining 10% would be payable. Or Submission for PBG for the period of 3 year ."		Modified as : Point c. 7.5 percent (7.5%) of purchase order value, would be payable after successful warranty period is over from the date of acceptance or payable against PBG of the contracted sum valid for 3 years.
23	32	24.Payment Terms	Penalty amount, if any, will be deducted from the last payment of 10%.	Requested to remove the clause		Modified as : Point d. Penalty amount for not meeting SLA will be deducted from the retained 2.5% of purchase order value. The balance, if any, will be released at the end of warranty period (3rd Year).
24	37	Annexure – I, Point 5	OEM should have their service centre in Hyderabad	This clause is favouring specific OEM, request to change as OEM should have their service centre in India		Accepted. However the bidder should have service centre in Hyderabad. So as to provide the service to meet SLAs.
25	37	Bidder Eligibility Criteria Compliance Format Annexure – I	The bidder should have executed successfully similar projects for any Organizations like National Banks / FI / Insurance Companies / PSUs / Government / Autonomous institutions as under: iv. One project of value not less than Rs. 75,00,000/- OR v. Two projects of value not less than Rs. 60,00,000/- OR vi. Three work orders of value not less than Rs. 40,00,000/- Similar Work means "Turnkey Design and Build/Revamp of Data Center including Civil & Interior, Electrical Lighting & Distribution, Networking, Fire Alarm, Access Control, CCTV, In Row, Rodent Repellent System etc."	Requested to modify the clause as "The bidder should have executed successfully similar projects for any Organizations like National Banks / FI / Insurance Companies / PSUs / Government / Autonomous institutions as under: iv. One project of value not less than Rs. 75,00,000/- OR v. Two projects of value not less than Rs. 60,00,000/- OR vi. Three work orders of value not less than Rs. 40,00,000/- Similar Work means "Turnkey Design and Build/Revamp of Data Center including Civil & Interior, Electrical Lighting & Distribution, Fire Alarm OR Networking, Access Control, CCTV, In Row, Rodent Repellent System etc."		As per RFP

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26	40	Annexure - II	MS platform	Please confirm the location of MS platform and the purpose of it		Rear side of the EFC building for installing outdoor unit. For more clarity conduct Site survey.
27	43	Annexure IV	Supply, Installation, Testing and Commissioning of Micro DC /Cool Rack / In Row Solution includes lifting shifting, positioning, charging and initial refrigerant Gas (R407A/R410) charging and assembling of racks, PDUs and all the accessories to make fully functional Micro Data Centre with out Raised Floor with the following specifications	Supply, Installation, Testing and Commissioning of Modular DC Solution include Cold aisle containment at front side and Hot aisle containment at rear side. Dimensions should not exceed 2300mm x 3800mm x 1800mm (HxWxD) for 3 Server Racks and 2 nos of 20KW Precision Air Conditioning Units. shell includes lifting shifting, positioning, charging and initial refrigerant Gas (R407A/R410) charging and assembling of racks, PDUs and all the accessories to make fully functional Modular Data Centre without Raised Floor with the following specifications	We need to have Vendor natural naming. This specification should cover intelligent and integrated inbuilt modular infrastructure, standalone system design, pre engineered, manufacture, assembly, testing at manufacturer's works, supply, delivery at site, unloading, handling, proper storage at site, erection, testing and commissioning at site of complete infrastructure for the proposed Data Centre	Please refer to RFP Disclamer,"Any product name / function used in this document are meant to be generic and do not refer to the product of any particular company. In case such proprietary terms have been inadvertently mentioned then such terms should be taken to refer to the generic technology. The Bidders with industry standard equivalent product name / function /feature under any other name will also be eligible to submit response to RFP". The participating bidder shall ensure that the proposed product should be of equivalent or higher specifications mentioned in the RFP.
i	43	Annexure IV	Server Rack - 600W x 42U x 1000D with 100H Plinth, Set of side Panel, Captive hardware, 1U horizontal cable manager, metal shunting rings and blanking panel - 3 Nos	Server Rack - 3 nos of 42U, 600mm Wide with 100H Plinth, Set of side Panel at the end of Row only, Captive hardware, 1U horizontal cable manager, Metal/plastic shunting rings and blanking panel	Server Racks should be part of Intelligent Solution which should have 600mm Width and 42U height. Total availability of 99U in total for Servers/IT devices. It should have Cold aisle containment at front side and Hot aisle containment at rear side for targeted cooling requirement	In the racks no provision is required for UPS as it is out of the scope of the RFP. The bidder should provide maximun usable IT space in the rack.
ii	43	Annexure IV	30A, 1Φ, 250 VAC, Vertical Rack PDU with "C" curve 32A single pole MCB with safety guard, power indicator, 16nos of IEC-320-C13 Sockets, 6nos of IEC-320-C19 Sockets, 2nos of EMO-71-1 6/13Amp Universal Sockets, 6 sq.mm 3 core 3 meter cable with Industrial Plug & Mounting brackets hardware for vertical mount PDU - 6 Nos	32A, 1Φ, 230 VAC, Vertical Rack PDU with "D" curve 32A single pole MCB with safety guard, power indicator, 16nos of IEC-320-C13 Sockets, 4nos of IEC-320-C19 Sockets, EMO-61, 4nos of Indian type 5/15Amp Sockets, 6 sq.mm 3 core 2.5 meter cable with IEC309 (32Amps) Industrial Plug & Mounting brackets hardware for vertical mount PDU - 6 Nos	The Specification is for one vendor hence need to change . IT equipment need "D"curve MCB. Apart from IEC C13 and C19 the additional requirement is for EMO-61 (Indian type 5/15Amps sockets.	Accepted
iii	43	Annexure IV	Cooling Unit Module (Indoor & Outdoor Units) - 20 kW - 2 Nos (in N + N Configuration)	Cooling Unit Module (Indoor & Outdoor Units) - 20 kW - 2 Nos (in N + N Configuration) with Variable capacity with anti Corrosion coated coil for condenser	Cooling Units to be siting at both end of Server rack ends. Variable capacity will save energy based upon cooling requirement and anti Corrosion coated coil for condenser will enhance life of Condenser Coil	Accepted

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iv	43	Annexure IV	Cooling Unit Rack - 400W x 1200D (MM) of 42 U Height - 2 Nos	Cooling Unit Rack - 400/700mm (Wide) of 42 U Height - 2 Nos	The Specification is for one vendor hence need to change . Cooling Units should be part of Integrated Modular Infrastructure and should be of same dimensions as Server racks for uniformity.	Accepted
v	43	Annexure IV	Emergency Fan Kit on Rear Door - 6 Nos	Emergency Fan Kit on Rear Top - 1 No. for each rack	Fan should be at Top side for easy air removal, in case of fans on door it will create operational difficulty while each open door condition. As top ceiling panel is a fixed hence no operational difficulty.	Emergency Fan Kit on Rear/Top - Qty per rack should be decided based on the solution.
vi	43	Annexure IV	Low Side Works for Air-Condition System includes required copper piping, Communication cabling and other accessories as per site condition - 1 Lot	Low Side Works for Precision Air Condition System includes required copper piping, Communication cabling and other accessories as per site condition - 1 Lot (up to 10 Meter and beyond that per meter extra)	Low side work : distance between IDU and ODU to be 10Meters. If extra the cost if per meter distance will be extra	Bidder to conduct comprehensive site survey and arrive at total cost as lot for low side works.
vii	43	Annexure IV	Environmental Monitoring System with water leaks detection system, temperature & humidity sensor, Smoke Sensor, door sensor & alarm beacon - 1 Set	Environmental Monitoring System with Human Machine Interface (HMI) Display for configuration and Monitoring. Monitoring must include water leaks detection system, temperature & humidity sensor, Smoke Sensor, door sensor & alarm beacon - 1 Set	Should have LCD display panel for configuration and monitoring. Environmental Monitoring System with Human Machine Interface (HMI) Display for configuration and Monitoring.	Accepted
viii	43	Annexure IV	AUTOMATIC DOOR OPENING SYSTEMS (For Front Doors) with EM Lock Magnets, Power Supply unit, Manual Door Switch, Gas Springs with assembly kit) - 3 Sets	AUTOMATIC DOOR OPENING SYSTEMS (For Front Doors) with EM Lock Magnets, Power Supply unit, Manual Door Switch, Gas Springs with assembly kit) - 3 Sets		As per RFP.
ix	43	Annexure IV	Rack Based Fire Detection & Extinguishing System with NOVEC 1230 Gas (1.5L) & all other accessories. (1 Rack System) - 3 Sets	Fire Detection & Extinguishing System with NOVEC 1230 Gas. The system includes protection of Racks and Cooling units & all other accessories. 1 Set	This system should ne needed for complete module including Server rack, PAC and other accessories. The given specification is for single rack which will be insufficient in the event of fire	NOVEC 1230 Rack based - 3 sets / complete module based single set, both are acceptable.
x	43	Annexure IV	Biometric Access Control System for Front Rack Door with EM Locks, cabling, bkts etc. - 3 Sets	Biometric Access Control System for Front and Back Rack Doors with EM Locks, cabling, bkts etc. - 3 Sets	Should have for Front and Rear Doors	Accepted, but not mandatory.
xi	43	Annexure IV	Standalone Ultrasonic Rodent Repeller_V2 Mini Series 1 Set	Standalone Ultrasonic Rodent Repeller to cover All racks		As per RFP.
xii	43	Annexure IV	Raw Power Distribution Panel - 1 Set	Raw Power Distribution Panel - 1 Set for PAC		As per RFP.
xiii	43	Annexure IV	UPS Power Distribution Panel with NEMA Twist Lock Socket - 1 Nos	UPS output distribution feeder for servers, with "D" Curve MCBs for Server Loads. And Should have connectivity of Industrial Plug (IEC 309)	Should be Industrial Plug (IEC 309) not as NEMA (US type)	Accepted.
xiv	43	Annexure IV	Cabinet Lights with Door Limit Switch - 6 Nos	Colour changing Cabinet Lights with Door Limit Switch - 1 Nos for each Rack.	Should have color changing light in case of alarm indication.	As per RFP, better features are acceptable.

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xv	43	Annexure IV	Dedicated Earthing System includes Cu. Earthpits and earth Strips to maintain < 1 Ohm Resistance	Dedicated Earthing System includes Cu. Earthpits and earth Strips to maintain < 1 Ohm Resistance	No changes required	As per RFP.
28	48	Annexure -VII,	Technical Specifications for IBMS Package	IBMS Package include mostly the specification of various sub systems that are managed by IBMS software. However, it does not include the specification for IBMS software. Request you to provide the scope for IBMS.		IBMS package is as per RFP specifications. There is no BMS in the Scope of RFP.
29	67	SI.No: 18	Micro DC / Cool Rack / In Row Solution	Request to include TATA Trynox brand in the preferred makes.		As per RFP
30	80			Bill of Quantities for IBMS Package	Request you to Kindly Clarify whether it is a Building Management System, if so kindly share us the IO Summary and Equipment Details	No BMS software involved.
31	General	General		Please provide the existing structure cable layout		Conduct site survey and submit block diagram for approval.
32	General	General		Fresh water & drain to be provide by IDRBT inside the Server Hall		Tapping points will be provided by IDRBT and subsequent arrangements need to be arranged by selected bidder.
33	General	General		Please share Floor layout in AutoCAD layout with elevation, the layout shared in the RFP not visible clearly		Please conduct site survey and submit declaration letter.
34	General	General		Please share the existing Electrical single line diagram in Autocad format with point of tapping for DC area		Not in SoW, electrical work is for lighting and workstations.
35	General	General		Please confirm ODU location and pipe distance between IDU to ODU		Bidder to conduct comprehensive site survey and arrive at total cost as lot for low side works.
36	General	General		Please confirm the earth pit location and cable distance between pit & Electrical room		Bidder to conduct comprehensive site survey.
37	General	General		Please confirm the floor loading capacity in kg/Sqmtr		Floor loading capacity is suitable for present requirements.
38	General	General		What is the power demand in KW/KVA allocated for IT Racks		20KW
39	General	General		Auxiliary UPS required for BMS and Emergency lighting UPS is to added with the scope		Not in bidder's scope.
40	General	General		Please confirm the Tier level expected for DC		As per RFP
41	General	General		Please provide the existing UPS & DG details		UPS 2x(2x25kVA); DG Sets 2x250 KVA; 1x200 KVA. However, we are in the process of replacing the UPS and DG Sets.
42	General	General		Please confirm the service lift dimension for lifting the materials		Bidder has to make his own arrangement to shift the equipment through staircase to EFC 2nd floor.

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43	General	General		Revamp Scope	Request you kindly clarify/brief on whether the revamp scope is only for Civil Package or IBMS Package.	As per detailed RFP and BoQ
44	General	General	As per the Tender RFP document Page no.12 & 13 Eligibility Criteria 6 C - The Company must have local office in Hyderabad for ensuring timely support, local GST registration – We hereby inform you that we are the System Integrators having our registered in Pune, but the OEM(Original Equipment manufacturers) of us is having their office in Hyderabad, the Back to Back and in time and immediate service support will be assured for you during the Warranty Period. It is to inform you that we have recently executed our Work at CPWD (Central Public Works Department), Vijayawada, end user is Software Technology parks of India (STPI) and STPI Hyderabad and providing the service support through our OEM's having their office setup in Hyderabad – We Request your good selves to please provide the Relaxation of this clause or remove the clause to enable us to participate in the Tender with our Best offer.			No change, As per RFP
45	77	Commercial bid format for Data Cabling				Commercial bid format for Data Cabling included as Annexure - VI in Commercial bid formats.

Commercial Bid Format for II to VII

Annexure - VI

Bill of Quantities for Data Cabling

Sl. No.	Description	UOM	Qty (A)	HSN / SAC Code	Supply Unit Rate (in Rs.) (B)	GST % (C)	GST Amount (in Rs.) (D=BxC)	Supply Unit Rate With GST (in Rs.) (E=B+D)	Supply Amount with GST (in Rs.) (F=AxE)	I & C Unit Rate (in Rs.) (G)	GST % (H)	GST Amount (in Rs.) (I=GxH)	I & C Unit Rate With GST (in Rs.) (J=G+I)	I & C Amount with GST (in Rs.) (K=AxJ)
1	Supply and laying of CAT 6A UTP CABLE BOX (500MTR): 4-pair, Cat6A, UTP Cable (500 mt. Roll).	Nos	6											
2	Supply, installation, testing and commissioning of CAT6A 24 port I/O fully loaded Jack Panel Loaded: Cat 6A, 24-port loaded, 1U Modular Jack Panel Should accomodate Cat5e, Cat6, Cat6A and Fiber Blocks with Rear Cable Management and Front removable Tooless Information outlet.	Nos	10											
3	CAT6A Information Outlets: CAT 6A Tooless built-in crimping mechanism Information Outlet with Dust Cover with Face Plate and Back box if required	Nos	42											
4	Supply, installation, testing and commissioning of CAT6A UTP Patch Cord 2 MTR - Work Station Side	Nos	84											
5	Supply, installation, testing and commissioning of CAT6A UTP Patch Cord 1 MTR - Rack Side	Nos	84											
6	Supply, installation, testing and commissioning of 16 A Rack Based 19" Automatic Transfer Switch (ATS)	Nos	2											
7	Supply and Laying of 300x100 MM Wire mesh Cable tray for Data Cabling	RMT	25											
8	Supply and fixing of required cable tray supports and accessories for hanging from Ceiling / from Floor	Lot	1											
9	Supply and Installation of 100x50 MM DLP for work station cabling	RMT	16											
	Total Amount (in Rs.) - 5													