

**CORRIGENDUM – II**  
**DT 09-07-2024**

TENDER NOTIFICATION FOR

**Tender for setting up Data Center at SCADA , Balaji Estate ,Kalkaji in BRPL**

**NIT NO: CMC/BR/24-25/RB/PR/MS/1193**

**Tender Date: 08.06.2024**

**BSES RAJDHANI POWER LTD (BRPL)**

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**Revised Payment terms**

<p>1. <b>Advance against PO</b> on submission of Advance Bank Guarantee -20%- On submission of Advance Bank Guarantee</p>	<p>20% on Submission of Proforma invoice- On submission of Advance Bank Guarantee</p>
<p>2a. <b>Design Layout and SLD Drawings</b> compliance with Tier-III architecture, 2b. <b>Complete material and Equipment delivery as per BoQ</b> (e.g Supply of Civil material ,Supply of electrical material ,Supply of CCTV,Biometric,Fire extinguisher , BMS/DCIM equipment, data center solution equipment and materials , IT Rack and PAC with all accessories) -</p>	<p>50% within 45 days- (After Complete Delivery as mentioned 50% within 45 days-)</p>
<p>3. <b>Installation and Commissioning</b> of Electrical Earthing , Electrical panel with provision of DG ,UPS power source, False Flooring and ceiling ,BMS and DCIM implementation with Web-portal ,Email and SMS configuration,CCTV and Access control system with DC built , Installation of Racks with Old DC connectivity ISP Based Parallel connectivity and raceway installation PAC installation and commissioning and Rest of BOQ Services-</p>	<p>20% within 45 days (After Complete installation and commissioning as mentioned)</p>
<p>4. <b>On successful completion and handing over of project.-</b> , Data and Voice cabling architecture ,Certification and documents , Tier III Compliance related documents on Electrical ,Power and Uptime , Testing report of PAC , Electrical panel for automatic power source change ,</p>	<p>10% within 45 days</p>
<p>Complete project is under warranty for one year</p>	

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**Revised BoQ**

<b>Annexure A -BoQ for SCADA -DC Built Total Space 500 Sqft</b>			
<b>IT Rack - 800*1200 Qty 05</b>			<b>MAKE/ REMARKS</b>
1	<b>48U Rack Frame/800X1200/Steel/NRS/ CKD/Casters Type 2</b>	5	Rittal / APC / Netrack
2	Levellers	5	
3	Caster Wheels {Set of 4}	5	
4	19" Adopter kit /48U/Loops	5	
5	Glass Door/800/48U/NRS <b>{Front Side}</b>	5	
6	Perforated Door/48/800/Dual/NRS <b>{Rear Side}</b>	5	
7	Swing handle / Mechanical Lock / Three Point / Common Key/Polymade	5	
8	Side Panels/1200/48U/Vented/NRS	10	
9	ITE / Server Rack Air Circulation module/ <b>Tower Mount/360CFM {Set of 4fans}</b>	5	
10	Horz. Cable Organiser/1U/ Channel On Front <b>(PVC Covered)</b>	10	
11	Supply of IEC socket vertical PDU with C13x20 and C19x4 nos. each rack 2 nos.	10	
12	Mounting Hardware-CR (Pack of 20)	6	
13	supply of 16A ATS with IEC sockets 8 nos. C 13 and C19 1 nos. with input cable.	8	

**CORRIGENDUM II: NIT NO: CMC/BR/24-25/RB/PR/MS/1193 DT 08-06-2024**

	14	Supply of 16A Horizontal PDU with 5/15 x 6 sockets	4	
	15	supply of Vertical Rack PDU , Monitored, 7.3 KW, 32Amps, 36 C13, 6 C19, APAC -	10	
<b>PAC for Data Center - active passive load management - Qty 02</b>				
	1.	Supply of Precision Aircon Unit - DX type, Micro pressor based Machine with EC Fan unit suitable to give 22+/- 1Deg. C inside room temperature & 50%±5% RH.	2	Schneider/Vertiv/Stulz/Emerson
		Bottom Discharge Type PAC Unit 'for Proposed cooling solution for 500SqFt space .Minimum of 9 TR load capacity required		
	a	supply of precision AC SNMP card for network connectivity	2	
	1	Indoor Unit Stand for PAC (DX) duly quoted with paint and primer	2	
2	2	Outdoor unit stands for DX Units duly quoted with paint and primer	2	
		<b>Copper piping of suitable sizes for Below Mentioned PAC capacities with 13mm class 'O' nitrile rubber insulation covered with UV coating and necessary supports between Indoor unit to outdoor unit.(assumption of - RMT/Unit) The quote shall also include fittings like elbow, T joint, reducer and double 'U" traps( one double U trap for every 5m vertical height ). PAC Accessorized should be in compliance with TIER-III guidelines for cooling and implementation</b>		
<b>Civil ,Electrical and UPS</b>				
3	1	Civil Work as per visit performed by Bidder ,False Flooring , False Seiling ,Floor Insulation	1	Civil work based on

**CORRIGENDUM II: NIT NO: CMC/BR/24-25/RB/PR/MS/1193 DT 08-06-2024**

			Drawing
2	Fire metal Door with handle and Bio Metric access	1	Agni / Navair
3	Finishing work in the current facility space as DC standards	1	
4	Raceways , Cable trays , cable managers for connecting OID DC to New DC and also for Electrical and Data segregation	1	
5	LT & UPS cables , Distribution Point , MCBs and DBs , Safety Equipments , Electrical Distribution through SLD design document and detailing of deliveries after Bidders visit to the DC space ,All equipment MUST be ensure Safety standards to ensure Tier-III compliance and certifications	1	SLD deign document and Detail of Electrical equipment deliverables
6	BRPLWill provide 40 KVA*2 UPS supply and bidders MUST ensure electrical and Data connectivity design and integration to provide seamless UPS supply to proposed DC ,Bidders also identify the integration process for present UPS and should share possible solution	1	
7	Light Arrestors unit to avoid any lighting interference and other security standards	1	
8	Dedicated DC earthing is the responsibility of bidder outcome MUST be supported by Tier-III DC compliance	1	
<b>Passive Networking / Activity work</b>			
1	Passive networking work (to extend the existing links to new DC)	1	
4	2 Installation for Passive work	1	
3	Existing Server Room Racks and AC decommissioning	1	
4	Cabling related support for 3-6 months after completion of projects on site through Resource	1	
<b>CCTV and Biometric Surveillance system</b>			
5	1 CCTV Solution with 6 Night Vision Audio recoradable IP camera should be integrated with Building management system . Solution must ensure complete coverage of DC facility ,should capture 30 Days data recording locally and feasible to provide streaming to 2 More	1	CPplus

**CORRIGENDUM II: NIT NO: CMC/BR/24-25/RB/PR/MS/1193 DT 08-06-2024**

	Locations		
2	Biometrics (Finger and Card) solution should integrate with BMS system and Logs management of One month	1	
<b>Data Center Infrastructure Management system - Should be integrated</b>			
1	Data Center Infrastructure Management solution license for 25 users	1	
6	Rodent repellent System - Design , Configuration , Integration and Installation with Checklist confirmation - Checklist as per product test after installation	1	
	VESDA Design , Configuration , Integration and Installation with Checklist confirmation - Checklist as per product test after installation	1	
	Fire Alarm and Suppression System Design , Configuration , Integration and Installation with Checklist confirmation - Checklist as per product test after installation	1	
	Water Leakage system Design , Configuration , Integration and Installation with Checklist confirmation - Checklist as per product test after installation	1	
7	<b>Installation , Configuration , Documentation and integration activity and compliance for TIER-III standards - Solution warranty support 1 Year</b>	1	
	Bidders Must perform Visit to the location and submit the Design Drawing , SLD diagram for Power / UPS integration , and RACK placement ,services placement position points in technical bid	1	

**Note-Please refer to the NIT along with Corrigendum 1 for remaining clauses ,terms & conditions which remain unchanged.**

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