

CORRIGENDUM - 1 (Amendment)

Tender Ref. No. OCAC-NeGP-INFRA-0016-2022-22073 (Selection of System Integrator for Design, Build, Installation, Commissioning, Integration, and Operations &

Note: The Amendment to the clauses of the RFP may be referred by the bidder wherever it appears in the RFP. This amendment shall be considered as final

Sl. No	Page No	Clause No	Clause Header	Clause as per RFP	Ammended as (Wherever it appears in the RFP)
1		3.1	Pre-Qualification for Bidder	<p>Project Experience</p> <p>During the last Seven years, (Start date of PO must be within last 7 years counted backwards from date of submission of bid) the Bidder should have implemented/completed Data Centre projects for Central / State Governments, PSUs, Banking & Financial Institutions, in India that meets the below mentioned requirement:</p> <p>a. Single order of value 50 Crore or more; OR b. Two orders each having value of 40 Crores or more; OR c. Three orders each having value of 25 Crores or more</p> <p>The orders should include Turnkey Data Center consisting of installation, commissioning of Electrical Distribution & Lighting, DG sets with Fuel tank, Precision AC/ Chiller Plant, UPS System, Fire Detection & suppression system, Access Control and CCTV, BMS/DCIM System, Civil and Interiors etc.</p>	<p>Project Experience</p> <p>During the last Ten years, (Start date of PO must be within last 10 years counted backwards from date of submission of bid) the Bidder should have implemented/completed Data Centre projects for Central / State Governments, PSUs, Banking & Financial Institutions, in India that meets the below mentioned requirement:</p> <p>a. Single order of value 50 Crore or more; OR b. Two orders each having value of 40 Crores or more; OR c. Three orders each having value of 25 Crores or more</p> <p>The orders should include Turnkey Data Center consisting of installation, commissioning of Electrical Distribution & Lighting, DG sets with Fuel tank, Precision AC/ Chiller Plant, UPS System, Fire Detection & suppression system, Access Control and CCTV, BMS/DCIM System, Civil and Interiors etc.</p> <p>Note: Ongoing projects will be accepted if all supply and installation of the product has been completed by the date of tender submission. A partical acceptance from the the client is mandatory.</p>

2		3.1	Pre-Qualification for Bidder	<p>DC Design certificate Experience</p> <p>The Bidder should have design experience of certification of at least One Tier-III/Rated 3 Data Centers certified by Uptime Institute/EPI (TIA 942) with minimum 50 rack space of server farm area OR 1000 KW of total Load handling capacity of Datacenter including IT and Non-IT load.</p>	<p>DC Design certificate Experience</p> <p>The Bidder should have design experience of certification of at least One Tier-III/Rated 3 Data Centers certified by Uptime Institute/EPI (TIA 942) with minimum 50 rack space of server farm area OR 1000 KW of total Load handling capacity of Datacenter including IT and Non-IT load.</p> <p>Bidder's own created Datacenter for commercial use will be accepted. The data center must have minimum 100 racks OR 1500kw for IT & Non-IT load. The bidder has to be produce proof of commercial use.</p> <p>Bidder's own created Datacenter for own use will not be accepted</p>
3	204	7.7.10	Passive networking	<p>Table SI. No 4</p> <p>The Cat6A UTP/STP SCS must be tested by Intertek test facility under 4 connector channel to the following standards: ANSI/TIA 568.2-D: Category 6A Channel – 4 connector IEEE 802.3bt PoE upto 60 deg C EN50173 standard Intertek / ETL verification for both 100m Long channel must be provided as part of the bid response. Copies of test reports should be appended to this RFP.</p>	<p>The Cat6A UTP/STP SCS must be tested by Intertek test facility under 4 connector channel to the following standards: ANSI/TIA 568.2-D: Category 6A Channel – 4 connector IEEE 802.3bt PoE upto 60 deg C EN50173 standard Intertek /Third party test facility/ ETL verification for both 100m Long channel must be provided as part of the bid response. Copies of test reports should be appended to this RFP.</p>
4	317	12.16	Minimum Bill of Quantity	<p>Item no 263 of Bill of Material Cat6A patch panel angled(24 port)</p>	<p>Item no 263 of Bill of Material Cat6A patch panel angled/Straight (24 port)</p>

5	317	12.16	Minimum Bill of Quantity	Item no 269 of Bill of Material Cable basket min size 400mmx50mm with accessories	Item no 269 of Bill of Material Cable basket min size 300mm/400mmx50mm with accessories
6	203	7.7.10	Passive networking	Table SI. No A.1 Architecture and General Construction The cabling system shall comprise of Multimode OM4 MPO solution, CAT6A UTP/STP cabling, along with dedicated fibre and copper pathways. All offered cabling components including copper + Fibre + pre-terminated solutions + fibre Pathways inside data center shall be from a Single OEM	Table SI. No A.1 Architecture and General Construction The cabling system shall comprise of Multimode OM4 MPO solution, CAT6A UTP/STP cabling, along with dedicated fibre and copper pathways. All offered cabling components including copper + Fibre + pre-terminated solutions inside data center shall be from a Single OEM
7	204	7.7.10	Passive networking	Table SI. No A.7 Architecture and General Construction OEM shall have qualified technical manpower in India with valid DCDC certifications for design and audit support during project implementation	Table SI. No A.7 Architecture and General Construction OEM shall have qualified technical manpower in India with valid DCDC/CDCS certifications for design and audit support during project implementation
8	206	7.7.10	Passive networking	Table SI. No C.1 Modular Panels and Shelves The 1U / 2U /4U Panel / shelf shall have front sliding access and be equipped with a front trough and door for patch cord management and port labelling. Trough door should have clear view of the ports and labels inside.	Table SI. No C.1 Modular Panels and Shelves The 1U / 2U /4U Panel / shelf shall have front sliding access and be equipped with a front trough and door OR front doors with labels for patch cord management and port labelling
9	46	4.13 B	Technical Bid Evaluation Scoring Matrix	Table SI.No 2. Evaluation Criteria – Critical UPS Input Power Factor: >0.99 from 25% to 100% load = 2 marks >0.99 from 40% to 100% load = 1 mark	Input Power Factor: >0.99 at 25% load = 2 marks >0.99 at 35% load = 1 mark >0.99 at 50% load = 0.5 mark
10	46	4.13 B	Technical Bid Evaluation Scoring Matrix	Table SI.No 2. Evaluation Criteria – Non Critical UPS Input Power Factor: >0.99 from 25% to 100% load = 2 marks >0.99 from 40% to 100% load = 1 mark	Input Power Factor: >0.98 at 25% load = 2 marks >0.98 at 35% load = 1 mark >0.98 at 50% load = 0.5 mark

11	48	4.13 B	Technical Bid Evaluation Scoring Matrix	<p>Table SI.No 3. Evaluation Criteria – Ipdu Installation of similar IPDU in eastern region. Documentary evidence required</p>	<p>Table SI.No 3. Evaluation Criteria – Ipdu Installation of similar IPDU in India. Documentary evidence required</p>
12	74	5.23	Applicability of Liquidated Damages	<p>The System Integrator shall accomplish the scope of work under this Agreement as per the Project Timelines and as per the Service Level Agreements. If the System Integrator fails to achieve the Project Timelines or if it fails to achieve the Service Levels (in the SLAs) for any reason whatsoever, the System Integrator shall be liable to pay liquidated damages. OCAC shall have the right to determine such extent of fault and liquidated damages in consultation with System Integrator and any other Party as it deems fit. Payment of liquidated damages shall be the sole and exclusive remedies available to OCAC Liquidated damages will be 1 % of the Capex cost for delay of every week and capped at 7.5% of the cost of Capex as mentioned in the Agreement. If the liquidated damages exceed the cap as mentioned in the Agreement, the Purchaser or OCAC shall have the right to terminate the agreement for default and consequences for such termination as provided in the agreement shall be applicable. In case it leads to termination, OCAC shall give Sixty days’ notice to the SI of its intention to terminate the contract and shall so terminate the contract unless during the Sixty days’ notice period, the SI initiates remedial action acceptable to OCAC. Each of the Parties shall ensure that the range of the Services/Deliverables under the SLA shall not be varied, reduced or increased except with the prior written agreement /consent between the Purchaser and the SI in accordance with the provisions of change request procedure as set out in this Agreement. If the Goods and Related Services supplied do not meet the</p>	<p>under this Agreement as per the Project Timelines and as per the Service Level Agreements. If the System Integrator fails to achieve the Project Timelines or if it fails to achieve the Service Levels (in the SLAs) for any reason whatsoever, the System Integrator shall be liable to pay liquidated damages. OCAC shall have the right to determine such extent of fault and liquidated damages in consultation with System Integrator and any other Party as it deems fit. Payment of liquidated damages shall be the sole and exclusive remedies available to OCAC Liquidated damages will be 0.5 % of the Capex cost for delay of every week and capped at 7.5% of the cost of Capex as mentioned in the Agreement. If the liquidated damages exceed the cap as mentioned in the Agreement, the Purchaser or OCAC shall have the right to terminate the agreement for default and consequences for such termination as provided in the agreement shall be applicable. In case it leads to termination, OCAC shall give Sixty days’ notice to the SI of its intention to terminate the contract and shall so terminate the contract unless during the Sixty days’ notice period, the SI initiates remedial action acceptable to OCAC. Each of the Parties shall ensure that the range of the Services/Deliverables under the SLA shall not be varied, reduced or increased except with the prior written agreement /consent between the Purchaser and the SI in accordance with the provisions of change request procedure as set out in this Agreement. If the Goods and Related Services supplied do not meet the minimum specifications as per the Contract, and the</p>

13	320	13	Operations and Maintenance Management	The selected bidder will provide 24x7x365 operating and maintaining services for a period of 5 years from the date of final acceptance test. The scope of the services for overall Physical and IT infrastructure management as per ITIL framework during this period shall include 24x7X365 Monitoring, Maintenance and Management of the entire Data Centre, along with providing Helpdesk services to ensure an uptime efficiency of minimum 99.982 in Odisha State Data Centre 2.0 (OSDC 2.0) and other facilities managed. This provides guarantee and accountability for the operations team, service providers and end users to meet the criteria for 24 x 7 service requirement. The goal is to achieve full uptime potential, obtain maximum leverage of the installed infrastructure or design, improve operations efficiency and realize opportunities for energy efficiency. This mainly provides the guidance and framework to drive best practices for the effective management and operations of the Odisha State Data Centre (OSDC)	The selected bidder will provide 24x7x365 operating and maintaining services for a period of 5 years from the date of final acceptance test. The scope of the services for overall Physical infrastructure management during this period shall include 24x7X365 Monitoring, Maintenance and Management of the entire Data Centre, to ensure an uptime efficiency of minimum 99.982 in Odisha State Data Centre 2.0 (OSDC 2.0) and other facilities managed. This provides guarantee and accountability for the operations team, service providers and end users to meet the criteria for 24 x 7 service requirement. The goal is to achieve full uptime potential, obtain maximum leverage of the installed infrastructure or design, improve operations efficiency and realize opportunities for energy efficiency. This mainly provides the guidance and framework to drive best practices for the effective management and operations of the Odisha State Data Centre (OSDC)
14	321	13	Operations and Maintenance Management	Table header Planned Resource during O & M Activity for (IT & Non-IT)	Table header Planned Resource during O & M Activity
15	322	13	Operations and Maintenance Management	Note: IT manpower (except Helpdesk Executive) resources mentioned in resource table must be a payroll employee of the successful bidder company	Note: Manpower resources mentioned in resource table must be a payroll employee of the successful bidder/Bidder partner payroll

16	208	7.7.10	Passive networking	<p>Table SI. No. E2</p> <p>Low Smoke Zero Halogen (LSZH) compliant to IEC 60332-1/3, IEC 60754-2, IEC 61034-2, IEEE 383</p>	<p>Table SI. No. E2</p> <p>Low Smoke Zero Halogen (LSZH) compliant to IEC 60332-1/3, IEC 60754-2, IEC 61034-2</p>
17	207	7.7.10	Passive networking	<p>Table SI. No. D5</p> <p>Flame rating shall be NEC OFNR (ETL) and c(ETL) The cable must have the flame test compliance to IEC 60332-3, IEC 60754-2, IEC 61034-2, IEEE 383, UL 1666 and UL 1685</p>	<p>Table SI. No. D5</p> <p>Flame rating shall be NEC OFNR (ETL) and c(ETL) The cable must have the flame test compliance to IEC 60332-3, IEC 60754-2, IEC 61034-2, UL 1666</p>
18	210	7.7.10	Passive networking	<p>Table SI. No. H1</p> <p>CAT6A U/UTP/STP Patch Cord, shall be of 4 pair 22/24/26 AWG solid construction, with pair separator</p>	<p>Table SI. No. H1</p> <p>CAT6A U/UTP/STP Patch Cord, shall be of 4 pair 22/24/26 AWG solid/stranded construction, with pair separator</p>
19	104	7.2	HVAC system	<p>PRECISION AND COMFORT AIR CONDITIONING; Point No 4</p> <p>One of the POD of 18 racks will be high density racks. There will be direct expansion in-row cooling for this POD. It is suggested to have 5 in-row cooling units, with three and two in each row of a POD. The Five units are in N+1 redundant fashion where N=4</p>	<p>PRECISION AND COMFORT AIR CONDITIONING; Point No 4</p> <p>DELETED</p>
20	232	7.7.13	IPDU for RACK	<p>Table SI. No. 7</p> <p>Network communication - PDU should have Network Port. IPDU should support communication protocols including DHCP, HTTP, HTTPS, Ipv4, Ipv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SSL, SNMP (v1, v2, v3), Syslog</p>	<p>Table SI. No. 7</p> <p>Network communication - PDU should have Network Port. IPDU should support communication protocols including DHCP, HTTP, HTTPS, Ipv4, Ipv6, NTP, RADIUS, SSH, SMTP, SSL, SNMP (v1, v3), Syslog</p>
21	233	7.7.13	IPDU for RACK	<p>Table SI. No. 9</p> <p>The IPDU shall have LED display, to easily read the displayed values when PDU is mounted upside down, based on the site requirement</p>	<p>Table SI. No. 9</p> <p>The IPDU shall have LED/LCD display, to easily read the displayed values when PDU is mounted upside down, based on the site requirement</p>

22	46	4.13 B	Technical Bid Evaluation Scoring Matrix	Table SI.No 4. Evaluation Criteria – Critical UPS UPS System : UL/CE listed - Mark 1 Non UL/CE listed - Mark 0.5	Table SI.No 4. Evaluation Criteria – Critical UPS UPS System : UL listed - Mark 1 Non UL listed - Mark 0.5
23	355	14.12	Proforma 12: Authorization Letters from all OEMs	We confirm that our products, the ones for which this MAF is being issued to bidder are manufactured in a country that shares geographical border with India	We confirm that our products, the ones for which this MAF is being issued to bidder are NOT manufactured in a country that shares geographical border with India
24	290	12.6	Manpower Service Levels	Table	Refer Annexure
25	29	3.1	Pre-Qualification for Bidder	The Bidder must have valid Certificate at the time of bidding, ISO 9001:2015 ISO/IEC 20000 : 2019 ISO 14000	The Bidder must have valid Certificate at the time of bidding, ISO 9001:2015 ISO/IEC 20000 : 2018/2019 ISO 14000/ISO 14001:2015
26	296	12.11	Penalty	b) For not measurable of IT Infrastructure related SLA's. Penalty of Rs. 50,000/- would be enforced on DCO. e) For not measurable of Helpdesk Services. Penalty of Rs 50,000/- would be enforced on DCO.	Deleted
27	330	13.13	Constitution of the Team	5. Onsite resources for Network, Security and technical support will work in shifts to provide 24x7x365 onsite operations and maintenance services to SDC	Deleted
28	29	3.1	Pre-Qualification for Bidder	Table SI.No 7.(iii) At least One Data Centre Design Consultants having ATD (Accredited Tier Designer)/CDCE certification from Uptime Institute/EPI (TIA942).	Table SI.No 7.(iii) At least One Data Centre Design Consultants having ATD (Accredited Tier Designer)/CDCE certification from Uptime Institute/TIA besides resources

29	116	7.7.1	Uninterrupted Power supply (UPS) system with Battery back-up (For Critical Load)	<p>OEM Qualification table point 2</p> <p>Must have operational service centre (Since last 5 years) in Bhubaneswar. Bidder to provide proof of address of facility in form of GST registration/MOA/Company or farm registration</p>	<p>OEM Qualification table point 2</p> <p>Must have operational service centre (Since last 5 years) in Bhubaneswar. Bidder to provide proof of address of facility in form of GST registration/MOA/Company or farm registration</p> <p>Authorize OEM Service Partner/OEM Engineer shall be accepted if mandatory spares are kept at site and refilled on consumption. OEM to declare the list of mandatory spares for at least a full set for one complete supplied product. For example for 4 nos 500 kva UPS supplied, at least one set of spares for one no 500 KVA is required to be at site all the time.</p>
30	75	5.23	Applicability of Liquidated Damages	<p>If the Goods and Related Services supplied do not meet the minimum specifications as per the Contract, and the same is not replaced/modified by the SI to meet the requirements within 14 days of being informed by the OCAC, the OCAC shall be free to impose any penalty as deemed fit. In addition, the OCAC shall reserve the right to terminate the contract and recover liquidated damages by forfeiting the performance guarantee submitted by the Purchaser.</p>	<p>If the Goods and Related Services supplied do not meet the minimum specifications as per the Contract, and the same is not replaced/modified by the SI to meet the requirements within 14 days of being informed by the OCAC, the OCAC shall be free to impose penalty as deemed fit to a maximum of 5%. In addition, the OCAC shall reserve the right to terminate the contract and recover liquidated damages by forfeiting the performance guarantee submitted by the Purchaser.</p>
31	29	3.1	Net Worth	<p>The net worth of the Bidder should be Positive for last Five years, as on 31st March 2022 and should be profitable for each of the last Five financial years.</p> <p>NB: - In case Bidder is a wholly owned subsidiary, the financial experience of Parent company would be considered for eligibility, provided the parent company operates in similar field of business.</p>	<p>The net worth of the Bidder should be Positive for last Seven years, as on 31st March 2022 and should be profitable for each of the last Five financial years. Exemption financial years are 2019-20 and 2020-2021.</p> <p>NB: - In case Bidder is a wholly owned subsidiary, the financial experience of Parent company would be considered for eligibility, provided the parent company operates in similar field of business.</p>