Selection of Service Provider for the Design, Development, Implementation and Maintenance of Blockchain as a Service platform for Odisha
RFP No.: OCAC-CERT-INFRA-0001-2023- 23123 dtd. 14/12/2023

Corrigendum

SL#	Clause No/Page No.	Existing Clause	Revised Clause
1	Section 5.4, Page 13	The Proposals submitted up to 12-Jan-2024, 12:00 PM will be opened on 12-Jan-2024, 12:30 PM by Proposal Evaluation Committee	Last date and time for receipt of proposals from Bidders on 22-Jan-2024 by 12:00 Noon through www.enivida.odisha.gov.in Date and time for opening of Pre-Qualification Proposals on 22-Jan-2024 at 3:30PM
2	Section 6, Page 15	All the bidders who achieve at least 80 marks in the Technical Evaluation would be eligible for the next stage, i.e. Commercial Bid opening.	All the bidders who secure more than 70 marks in the Technical Evaluation would be eligible for the next stage, i.e. Commercial Bid opening.
3	Section 9.3		Please refer the revised team structure below at section 9.3
4	Pg 28 8.1.4 Form PQ-4 Self-Declaration against Not-Blacklisted]	We hereby declare that to the best of our knowledge, presently our Company/ firm is not under declaration of ineligibility for corrupt & fraudulent practices, blacklisted either indefinitely or for a particular period of time at the time of submission of bid.	See the revised FORM PQ-4 [Self-Declaration against Not-Blacklisted]
5	Pg 40 Cl 9.3	The SI need to follow Following Team structure during the project period:	It is upto the bidder to deploy the resources at On-site/Off-site as per the need and to meet the timeline. However, two BA must be deployed on-site

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6	Pg 23 Cl 7.3.j	The Purchaser understands and appreciates that the proposal is for an integrated application and the change / addition / deletion as per above shall not result in change of the overall scope of the Project for which the RFP is sought. However, quantities depending on number of schools can be added / deleted based on actual situation on ground, as part of Change Management. Approved Scope should include total number of schools and users at the time of approval of SRS and commencement of Development/ Customization/ Integration phase.	Deleted
7	Pg 43 Signoff Criteria - Phase 1-Go Live 2.	Successful security audit and identified bugs fixed	Bidder should engage a Cert-in Empanelled firm to conduct Security audit of the entire application before Go-live of application. The cost of security audit should be added in commercial bid.
8	PQ New Clause (j) Subcontracting	New Clause added	Consortium/Sub-Contracting not allowed except Security Audit.
9	Termination	i. Termination without notice and rectification period. ii. Bidder does not have any right to terminate.	i. OCAC will give 30 days' time to the bidder for rectification. ii. Bidder also terminate the contract by giving 30 days' notice along with reasons with justifications for the termination.
10	SETTLEMENT OF DISPUTES		I. The Purchaser and the Solution Provider shall make every effort to resolve amicably by direct informal negotiation on any disagreement or dispute arising between them under or in connection with the Contract. II. If, after thirty (30) days from the commencement of such informal

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			negotiations, the Purchaser and the Solution Provider have been unable to resolve amicably a Contract dispute, the dispute should be referred to the Chief Executive Officer, OCAC for resolution. III. If, after thirty (30) days from the commencement of such reference, Chief Executive Officer, OCAC have been unable to resolve amicably a Contract dispute between the Purchaser and the Solution Provider, either party may require that the dispute be referred to the Commissioner-cum-Secretary to Govt., E&IT Department, Govt. of Odisha. IV. Any dispute or difference whatsoever arising between the parties (Purchaser and Solution Provider) to the Contract out of or relating to the construction, meaning, scope, operation or effect of the Contract or the validity of the breach thereof, which cannot be resolved through the process specified above, shall be referred to a sole Arbitrator to be appointed by mutual consent of both the parties herein. In the event the parties cannot agree to sole arbitrator, such arbitrator shall be appointed in accordance with the Indian Arbitration and Conciliation Act, 1996. V. The arbitration proceedings shall be held at Odisha and the language of the arbitration shall be English

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11	9.1 Odisha Blockchain Service Infrastructure	Hosting infrastructure - Public Cloud service taken by Department/Agency of Government of Odisha (Public Cloud service should be MeiTY empanelled list of Service Providers)	Hosting infrastructure - Government of Odisha would like to build 3 hubs for the OBSI platform, which may be expanded. Location, ideally for the hubs is 1. State Data Centre (SDC), 2. IT Centre, Secretariat and 3. In Cloud. (Public Cloud service taken by Department/ Agency of Government of Odisha (Public Cloud service should be MeiTY empanelled list of Service Providers). However, Design, Development & initial Deployment would be carried out on the Public Cloud service taken by OCAC for the Pilot, Phase 1, Phase2, Phase 3 & for the Sandbox. Blockchain Platform Service should provide SLA – Please see the SLA Clause.
12	Section 9.2.4	The Odisha Blockchain Service Infrastructure would host an API sandbox to allow departments and start-ups to build applications.	Bidder will Design, Development, & Implementation of Odisha Blockchain as a Service Infrastructure. OCAC will facilitate the infrastructure for eGov applications and Sandbox as defined in the Section of this RFP document
13	Local Presence	Bidder should have an office in Bhubaneswar for quick support	Bidder should have an office in Bhubaneswar for quick support/ The bidder should provide an undertaking to open an office in Odisha within 30 days of Award of LOA.
14	Business Analysts	The candidates should have B.Tech/B.E or equivalent degree in Computer Science /IT/ Any other Engineering discipline.	The candidates should have MCA/B.Tech/B.E or equivalent degree in Computer Science /IT/ Any other Engineering discipline.

9.3   Team Structure During development, implementations and O&M period: ONSITE / OFFSITE

The SI need to follow Following Team structure during the project period:

#	Resource Type	Onsite/ Offsite	Qty	Duration
1.	Project Manager	Onsite at OCAC office	1	66 months
2.	Business Analyst	Onsite at OCAC office	2	66 months
3.	eGovernance Blockchain SME	Offsite	1	66 months
4.	Blockchain Solution Architect	Offsite	1	66 months
5.	Blockchain Developers	Offsite	2	66 months

Financial Bid Format (Revised)

SI#	Category	Module/Item	Unit	Qty	Unit Rate in INR	Total Amt in INR
	Financial Bid Commercials					
	Costing for Selection of Service Provider for the Design, Development, Implementation and Maintenance of Blockchain as a Service platform for the State of Odisha **RFP No.: OCAC-CERT-INFRA-0001-2023- 23123 Dtd.14.12.2023**					
A	**Application Development** Design, Development, & Implementation of Odisha Blockchain as a Service Infrastructure, eGov applications and Sandbox as defined in the Section 9.2.4 of Volume II of this RFP document	OBSI platform + 4 eGov apps + Odisha Blockchain Sandbox	Lump-sum	1		0
B	Onboarding of additional services to the platform. (If an application have five different services, it will count as five (5) services.	Addition of new services	No.	10		
C	Operation & Maintenance	Application Support & Software Maintenance	Year	3		0
D	Change Request	Blended Technical Resource	Man-month	20		0
E	Security Audit and yearly once upto 5th year	Before Go-Live and thereafter once in year	Per Audit	5		0
					Total	0
					GST 18%	0
					Grand Total	0

8.1.4 FORM PQ-4 [Self-Declaration against Not-Blacklisted]

(To be submitted on the Letterhead of Bidder)To
The General Manager (Admin), Odisha Computer Application Centre,
N-1/7-D, Acharya Vihar P.O. RRL, Bhubaneswar - 751013.

Sub: Selection of Service Provider for the Design, Development, Implementation and Maintenance of Blockchain as a Service platform for the State of Odisha

Ref: RFP Ref No. OCAC-CERT-INFRA-0001-2023-23123 Dtd.14.12.2023

Sir

In response to the RFP No.: <u>OCAC-CERT-INFRA-0001-2023-23123 Dtd.14.12.2023</u> for RFP titled "Selection of Service Provider for the Design, Development, Implementation and Maintenance of Blockchain as a Service platform for the State of Odisha", as owner/ partner/ Director of (organization name)_____I/ We hereby declare that to the best of our knowledge, presently our Company/ firm is not under declaration of ineligibility for corrupt & fraudulent practices, blacklisted either indefinitely or for a particular period of time at the time of submission by any Govt. within India/PSUs/Autonomous body.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/ our security may be forfeited in full and the tender if any to the extent acceptedmay be cancelled.

Thanking you,

Yours faithfully,

(Authorized Signatory) Name, Designation & Contact No.

Seal

Service Level Agreement (SLA)

Sl.No	Service Parameter	Service Level	Measurement Metrics	Penalty		
A) Project Implementation SLAs						
1	Timely Delivery	All the milestones defined in the Section 10.6 of this RFP should be implemented on time (with no delay).	To be measured (with reference to the approved timelines), in number of weeks of delay from the target date as defined in the implementation schedule	**Type**	**Metric**	**Penalty***
				a) Baseline	Achieving of the Milestone as per the timeline	None
				b) Lower Performance	Per week delay in achieving the milestone	0.5% per week of the contract price of delayed/undelivered services
					More than 4 weeks of delay in achieving the milestone	0.75% per week of the contract price of delayed/undelivered services
				c) Breach	More than 3 months delay in achieving the milestone	1% per week of the contract price of the delayed/undelivered stores/services

B) Application Availability

2	Application Availability	OBSI Platform Service should provide 99.9%		**Type**	**Metric**	**Penalty**
			a) Baseline - 99.9% during business hours	Baseline	99.9% during business hours	None
			b) Lower Performance- 95% - 99% during business hours	Lower Performance	95% - 99% during business hours	3% of the Quarterly payment
			c) Breach - Less than 95% during business hours	Breach	Less than 95% during business hours	5% of the Quarterly payment

Note:

1) The extent of availability will be computed on a quarterly basis.

2) Definition of business hours is 0600 hours - 2200 hours on all working days of the client.

3) *The maximum value of the Liquidated Damages being not higher than 10% of the value of delayed stores/services

4) The successful bidder would not be penalized for any delays / slippage not attributable to the successful bidder. These may include delays due to lack of response from departments / stakeholders, non-availability of hosting infrastructure, down time of hosting infrastructure provided by OCAC, unavailability of hardware with requisite specifications at hosting infrastructure, down-time at third party applications or systems integrated with the blockchain infrastructure, wars, natural calamites or epidemics or other scenarios beyond the bidder's control.

10. Expected Project Milestones

The go live for the application modules would be staggered across one Pilot and 3 Phases. Below is the list of certificates / documents that would be secured at the end of each phase –

10.1 Pilot
- Caste Certificate
- Income Certificate
- Birth Certificate

10.2 Phase 1
- OBC Certificate
- Economically Weaker Section Certificate
- Economically backward in General Caste Certificate
- Residence Certificate

10.3 Phase 2
- Legal Heir Certificate
- SC/ST Certificate
- Marriage Certificate
- Guardianship Certificate

10.4 Phase 3 : Social Protection Delivery Platform (SPDP) & Land registration transaction data and documents

- Integration with SPDP Platform to keep SPDP identity uploaded documents intact.

- Daily land registration transactions documents and data secured with blockchain.

10.5 Odisha Blockchain Sandbox

- Sandbox with APIs listed in Section 9.1

10.6 Phase 4 :

- . Any other services to be onboarded as per the requirements which will be decided by OCAC and payment shall be made as per the rate discovered in the financial bid sl. No. (B)

10.7 Timelines

S No.	Milestone	Time for completion
1	Award of Work Order (Project Kickoff)	T0
2	Inception Report	T0 + 2 Months
3	FRS Document creation	T0 + 5 Months
4	Pilot	T0 + 8 Months
5	UAT – Phase 1	T0 + 12 Months
6	Go Live - Phase 1	T0 + 13 Months
7	UAT – Phase 2	T0 + 17 Months
8	Go Live – Phase 2	T0 + 18 Months
9	Odisha Blockchain Sandbox	T0 + 20 Months
10	UAT – Phase 3 - SPDP Integration	T0 + 24 Months
11	Go Live Phase 3 - SPDP integration	T0 + 25 Months

S No.	Milestone	Time for completion
12	UAT - Phase 3 - Land registration documents	T0 + 29 Months
13	Go Live Phase 3 - Land registration documents	T0 + 30 Months
14	O&M	36 Months after implementation Phase

Timelines for services to be onboarded to OBSI in **Phase 4** would be as per mutual discussion between department and successful bidder. These would be implemented during the O&M phase.

11 Payment Schedule

SN o.	Milestone	Deliverables	Payment %
1	FRS Document creation	FRS document	**10%** of Financial Bid Commercials SI# A)
2	Pilot	Pilot signoff from OCAC POC as per scope	**15%** of Financial Bid Commercials SI# A)
3	UAT – Phase 1	UAT Phase 1 signoff from OCAC SPOC	**15%** of Financial Bid Commercials SI# A)
4	Go Live - Phase 1	Platform hosted in Live as per Phase 1 scope	**10%** of Financial Bid Commercials SI# A)
5	UAT – Phase 2	UAT Phase 2 signoff from OCAC SPOC	**15%** of Financial Bid Commercials SI# A)
6	Go Live – Phase 2	Platform hosted in Live as per Phase 2 scope	**10%** of Financial Bid Commercials SI# A)
7	Odisha Blockchain Sandbox	Sandbox APIs published and circulated as per cl. 9.2.4	**10%** of Financial Bid Commercials SI# A)
8	UAT – Phase 3 - SPDP Integration	UAT Phase 3 signoff from OCAC SPOC on SPDP integration	**5%** of Financial Bid Commercials SI# A)
9	Go Live – Phase 3 -	Platform hosted in Live as per Phase 3 SPDP integration	**2.5%** of Financial Bid Commercials SI# A)

		SPDP integration	scope	
10		UAT – Phase 3 - Land registration documents	UAT Phase 3 signoff from OCAC SPOC on securing land registration documents	**5%** of Financial Bid Commercials SI# A
11		Go Live – Phase 3 - Land registration documents	UAT Phase 3 signoff from OCAC SPOC for securing land registration documents	**2.5%** of Financial Bid Commercials SI# A
12		O&M	1. Monthly Project Status Reports 2. Quarterly Project Status Reports 3. Issue Logs 4. Exit Plan Documentation (To be submitted 3 months before completion of O & M)	Quarterly payments (O&M amount quoted by bidder would be distributed equally across quarters for 36 Months and paid against quarterly invoices)

Payment for additional services to be developed in Phase 4 would be made in subsequent quarterly payment cycle for O&M after service is onboarded to OBSI.

Sign Off & Go Live Criteria

Pilot signoff –
1. Pilot Blockchain network installed and configured in pilot environment.
2. Develop and deploy application for securing certificates in scope of pilot
3. Integrated with eDistrict document repository for fetching and securing digitized certificates in the scope of Pilot
4. Develop and deploy smart contracts for securing and verifying certificates in the scope of Pilot

UAT Phase 1 signoff
1. Blockchain network installed and configured in UAT environment
2. Develop and deploy applications and modules for securing certificates in scope of Phase 1
3. Integrate with eDistrict repositories for fetching and securing digitized certificates in the scope of Phase 1
4. Develop and deploy smart contracts for securing and verifying certificates in the scope of Phase 1

Phase 1 – Go Live (Platform hosted in live as per Phase 1 scope)
1. Production Blockchain network setup and installed
2. On-chain and off-chain business modules for Phase 1 deployed and installed in production environment
3. Security audit and identified bugs fixed

UAT Phase 2 signoff
1. Develop and deploy applications and modules for securing certificates in scope of Phase 2
2. Integrate with eDistrict repositories for fetching and securing digitized certificates in the scope of Phase 2
3. Develop and deploy smart contracts for securing and verifying certificates in the scope of Phase 2

Phase 2 – Go Live (Platform hosted in live as per Phase 2 scope)

1. Production Blockchain network configuration for Phase 2
2. On-chain and off-chain business modules for Phase 2 deployed and installed in production environment
3. Security audit and identified bugs fixed

Odisha Blockchain Sandbox

1. APIs developed and hosted as per cl 9.2.4
2. API documentation for integrating sandbox APIs

UAT Phase 3 SPDP integration signoff

1. Develop and deploy smart contracts for securing and verifying SPDP ID & the ID document
2. Integrate with SPDP platform
3. Develop and deploy applications and off chain modules

Phase 3 SPDP integration– Go Live (Platform hosted in live as per Phase 3 SPDP integration scope)

1. Production Blockchain network configuration for Phase 3 SPDP integration
2. On-chain and off-chain business modules deployed and installed in production environment.
3. Security audit and identified bugs fixed

UAT Phase 3 land registration signoff

1. Develop and deploy smart contracts for securing and verifying land registration data and documents
2. Integrate with land registration system / portal
3. Develop and deploy applications and off chain modules

Phase 3 – Go Live (Platform hosted in live as per Phase 3 land registration scope)

1. Production Blockchain network configuration for Phase 3 - securing land registration documents
2. On-chain and off-chain business modules deployed and installed in production environment.
3. Security audit and identified bugs fixed

Phase 4 services– Go Live

1. Production Blockchain network configuration for service to be onboarded to OBSI
2. On-chain and off-chain business modules for onboarded service developed, deployed and installed in production environment.
3. Security audit and identified bugs fixed