MINUTES OF VIRTUAL MEETING OF PRE-BID MEETING
Date: Thursday, 25th July 2024
Time: 11:30 PM

1. **Name of the Request for Proposal (RFP):** APPOINTMENT OF A SYSTEM INTEGRATOR FOR DEVELOPING AN IOT &BLOCKCHAIN TECHNOLOGY BASED TRACEABILITY SOLUTION (PILOT) IN ERI SILK (FARMER TO HANDLOOM PRODUCERS)

2. **Request for Proposal (RFP) No:** NEHHDC/A&C/ Handloom Digitalization/2022-23/35/
    Ref. File No: NEHHDC/DoCBTP/HLD- Eri Pilot/2024-25/39

3. **Tender ID:** 2024_NEHHD_201636_1, dated 16.07.2024

4. **Brief Description of the projects/assignments:** Bids are invited from the reputed System Integrator for Developing an IoT &Blockchain Technology Based Traceability Solution (Pilot) in Eri Silk (Farmer to Handloom Producers)

5. **Bid Validity:** 180 days from the last submission date of Technical and Financial proposals.

6. **Tender Inviting Authority:** Managing Director, North Eastern Handicraft and Handloom Development Corporation Ltd.(NEHHDC)

7. **Tender Published Date:** 16.07.2024

8. **Revised Last Date of Submission as per RFP**

9. **Revised Technical Opening Date:**

10. **Bidders Present:**

    a) Anil Raina, Bharuwa Solutions Pvt Ltd, Contact: anil.raina@bharuwasolutions.com, 9167378338

    b) Rana Pegu, LW3 Private Limited, Contact: rana.pegu@logisticsw3.com, 8811901715

    c) Akash Tathode, Sapphirus Systems, Contact: akash.t@sapphirus.in, 9573904411

    d) Marungsha Brahma, LW3 Private Limited, Contact: marungsha@logisticsw3.com, 7636075620

    e) Y. RAMESH, VOLTRIO SOLUTIONS PVT LTD, Contact: y.ramesh@voltriosolutions.co.in, 9999868579

    f) Chinmoy S. Goswami, RGVN, Contact: rgvnho@gmail.com, 7086754802

    g) Bhakti Vora, S.S.B Digital

    h) Bedanta Kumar Goswami, SSB Digital Pvt. Ltd "bedanta@ssbi.in, 8638979645

    i) Angshuman Choudhury, RGVN Guwahati, Contact: angshuman.rgvn@gmail.com, 9365496478

    j) Mridula Chungkrang, RGVN, Mridula208@gmail.com, 9706302344 "

    k) Abhinaav Saikia

    l) Ankit Rana

    m) Arepalli Omsrinivas

    n) Gokul Alex

    o) Ishan Roy, PWC

    p) Kaushal Patel

प्रबंध निदेशक
Managing Director
पूर्वोत्तर हरतशिल्प एवं हथकरघा विकाश निगम लिमिटेड
गुवाहाटी-२१
North Eastern Handicrafts &
Handlooms Development Corporation Ltd , Ghy-21

q) Likhitha Gadila
r) Nihar Uppala
s) Rachana Gupta
t) Rajen Chhetry
u) Rakesh Kumar Sahoo
v) Ravirajsinh Zala
w) Reshma Ravikiran Deshpande

11. **In Attendance**:

a) Smt. Roushan Rahman, DGM (Finance)

b) Shri Bidyut Bikash Rajkonwar, DGM (Marketing)

c) Shri Jyotirmoy Choudhury, Manager, DoCBTP

d) Smt. Dolly Gogoi, Manager, DoHR&BD

e) Smt. Meghasree Baishya, Asst. Manager, DoCBTP

f) Shri Biswajit Thakuria, Sr. Executive, DoCBTP

12. **Queries and Decisions**: Enclosed as **Annexure A**

Managing Director
NEHHDC

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Managing Director
पूर्वोत्तर हरतशिल्प एवं हथकरघा विकास निगम लिमिटेड
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Annexure A

Bidder Name : S.S.B Digital Private Limited

Tender ID : 2024_NEHHD_201636_1   Tender Reference No 1. NEHHDC/A&C/ Handloom Digitalization/2022-23/35/

Tender Name: Appointment of a system integrator for developing IOT and block chain technology based on traceability solution

SN	RFP Section No.	RFP Page No	RFP Clause	Existing Clause Details	Clarification Sought	Remarks
1	Point No. (c)	19	Minimum Eligibility Criteria	The bidder must have executed minimum 2 (two) similar assignments related to development of traceability software application using IOT and Blockchain for agriculture/ handloom and handicraft sector in India in the last 5 years (Furnish copy of work order/copy of contract/ completion certificate etc)	The bidder must have executed minimum 2 (two) similar assignments related to development of traceability software application using IOT and Blockchain for agriculture/ handloom and handicraft sector/e-Governance in India in the last 5 years (Furnish copy of work order/copy of contract/ completion certificate etc)	Rejected as per the RFP
2	Point No. (d)	19	Minimum Eligibility Criteria	The bidder must have a proof of concept for developing software application using public blockchain in the last 5 years (Furnish copy of work order/copy of contract/ completion certificate etc).	The bidder must have a proof of concept for developing software application using public/ private blockchain in the last 5 years (Furnish copy of work order/copy of contract/ completion certificate etc).	Rejected as per the RFP
3	-	19	Minimum Eligibility Criteria	General	The bidder should hold relevant certifications recognized in the industry for quality management and software development. The below certifications are required. - ISO 9001 - ISO 27001 - CMMi Level 3 (Certificate that should be verifiable through https://www.cmminstitute.com	Rejected as per the RFP
4	Appendix 1	15	A. Blockchain Features	Public Blockchain only (Private Blockchain will not be entertained)	We would like to suggest for enterprise level application to be on private blockchain to ensure data integrity, privacy and security. This ensures that data remains on premises, rather than be forwarded to unknown international public nodes that could also be present in bordering countries.	Accepted.

5	Point i) (a)	19	Evaluation of Technical Proposals	Similar assignment related to development of traceability solution using IOT and Blockchain for handloom and handicraft sector in India in the last 5 years.	Similar assignment related to development of traceability solution using IOT and Blockchain for any state government/central government/PSU in India in the last 5 years.	Rejected as per the RFP
	2.2	6	Scope of Work	General	Request you to kindly mention quantity of software licenses/IoTs to be procured	This is not yet decided, but a lumpsum quantity of IoT devices may be mentioned in the further corrigendum.

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General Manager
North Eastern ... #5 & ... Ghy 21
Handlooms Development ... tion Ltd

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Name of Bidder: KPMG Advisory Services Private Limited

Tender ID : 2024_NEHHD_201636_1   Tender Reference No 1. NEHHDC/A&C/ Handloom Digitalization/2022-23/35/

Tender Name: Appointment of a system integrator for developing IOT and block chain technology based on traceability solution

S. No.	RFP document reference(s) (Section & page number)	Content of RFP requiring clarification(s)	Points of clarification/ Change requested	Remarks
1	Tender Information Summary, Page 1	Data and Time of closing of Submission of Bid : 17.00 Hr of 07/08/2024	The firm is very interested in this opportunity and possess the required expertise and experience for executing large scale projects of similar nature and therefore we wish to submit our Bid and be a part of this project. However, due to some specific requirement listed in RFP we require some extra time to submit a competitive and strong bid, therefore, the firm would request you to consider for an extension of the Online bid submission date to 3 weeks from the date of publishing the pre-bid response / corrigendum.	Rejected as per the RFP
2	Network Connectivity, Page 9	The bidder needs to provide compatiability of the pilot system with all major network carriers in the NER region. The proposed solution must ensure the communication betweent the IoT device to Mobile App to Main Server in a secure manner with minimal data loss.	The authority is requested to provide the bandwidth specification for the network connectivity requirement.	It will be 3G, 4G, 5G
3	Deliverables and Payment Schedule, Page 12	IoT Procurement and Integration, 3 weeks	The authority is requested to extend the timeline for the deliverables related to the IoT Procurement and Integration to 6 weeks as the specifications of IoT devices can only be confirmed after the completion of the FRS and SRS in the previous stage.	Rejected as per the RFP
4	Deliverables and Payment Schedule, Page 12	Software Design and Development, 6 weeks	The authority is requested to extend the timeline for the deliverables related to the Software Design and Development to 9 weeks as the activities related to procurement and setup of a reputed public	Rejected as per the RFP

#	Reference		Query	Response
			blockchain platform and the testing of data capture on the public blockchain platform requires due dilligence on security, scalability and cost implications.	
5	Appendix I, Page 15	Blockchain Features	The authority is requested to advise on the consensus protocol required from the public blockchain network as some of the public blockchain consesus algorithms require the validator nodes to stake their assets in cryptocurrencies. There are some consensus other consensus algorithms that does not require blockchain nodes to stake their assets in cryptocurrencies.	There will be any protocol, Proof of stake, Pure Proof of stake, Proof of work, etc
6	Appendix I, Page 15	Blockchain Features	The authority is requested to advise on the payment model for public blockchain production deployment as the transactions on public blockchain in production environment requires users to pay for the transaction fees as gas fees in cryptocurrencies.	It should be included by the bidder.
7	Appendix I, Page 15	Blockchain Features	The authority is requested to advise on the number of total users and number of concurrent users estimated to use the traceability platform in production.	It will come up during the baseline or inception period
8	Minimum Eligibility Criteria, Page 18	The Bidder must have minimum 5 (five) years of experience in software development, system integrator, mobile and web application, IOT, blockchain development in India	The authority is requested to amend the criteria as follows. The Bidder must have minimum two (two) years of experience in software development, system integrator, mobile and web application, IOT, blockchain development in India.	Rejected as per the RFP
9	Minimum Eligibility Criteria, Page 18	The bidder must have executed minimum 2 (two) similar assignments related to the development of traceability software application using IoT and Blockchain for Agriculture / handloom and handicraft sector in India in the last 5 years	The authority is requested to amend this crtieria. The bidder must have executed minimum one (one) similar assignments related to the development of traceability software application using IoT or Blockchain for Agriculture / handloom and handicraft sector in India in the last 5 years	Rejected as per the RFP

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Managing Director निगम लिमिटेड
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10	Minimum Eligibility Criteria, Page 18	The bidder must have a proof of concept for developing software application using public blockchain in the last 5 years	The authority is requested to amend this criteria : The bidder must have a proof of concept for developing software application using public or private blockchain in the last 5 years	Accepted
11	Minimum Eligibility Criteria, Page 19	g) bidder or its JV / consortium partner should have an office establishment in any of the north eastern states (submit - trade license / incorporation certificate / GST registration certificate etc)	The authority is requested to amend this criteria as : g) bidder or its JV / consortium partner should have an office establishment in any of the north eastern states. If the bidder is not having any office, then bidder should submit a letter of undertaking to open an office in north eastern states within 90 days from the date of issue of work order if awarded the work.	Accepted

प्रबंध निदेशक
Managing Director
Handlooms Development

Additional information related to the data to be collected for the pilot project (As per The European Directives):

Data Collection Template for Traceability (Farmer to Handloom producers)

Sl. No	State	District	Village	Name of Eri silkworm rearer or farmer	Gender	ID code of farmer or rearer, if any	Father/ Husband's Name	Eri harvested area (hectare)	Water consumption per kg	Energy consumption per kg	GHG emissions per kg	No Child/Forced Labour or Modern Slavery

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Handlooms Development

Additional queries during the Pre-Bid Meeting:

1. The query about the type of IoT to be used and the related data capture requirements. NEHHDC clarified that the system integrator has the freedom to choose the type of IoT, whether it be a device, QR code-based scanner, or any other electronic web-powered control device. The IoT should be capable of recording the entire Eri value chain using blockchain technology, capturing details from the farm to the final product, including the farmer's name, origin, and relevant media such as images and videos.

2. The query about the pilot area and the number of IoT devices to be deployed. NEHHDC team specified that the pilot area is already defined in the RFP. They also emphasized that the initiative will start from ground zero, requiring the collection of all data using advanced IoT blockchain technology to ensure authenticity and traceability.

3. The query about the number of farmers to be covered in the pilot. NEHHDC mentioned that the exact range of farmers to be covered will be provided during the implementation phase.

4. The query about the frequency of data updates. NEHHDC explained that the data should be dynamic and updated as required. The number of transactions and blockchain usage will be based on the number of farmers in the area.

5. The query is about the deployment of resources and the mode of operation. NEHHDC clarified that the exercise will be conducted in the field, requiring personnel to gather information directly from the farm level. All activities are to be carried out at the farm level, making it a complete field-level exercise. Additionally, it will also depend on the system integrator how they want to operate the exercise, online or offline.

6. Query regarding the possibility of forming a consortium between two parties is allowed as per NEHHDC's clarification. The reference for this allowance can be found on page 19, point (f) of the RFP. Additionally, NEHHDC explains that upto 2 associations can jointly be system integrators or in a joint venture if one of them has an office in the North Eastern Region.

7. Query regarding the bidder's transaction fee. NEHHDC explains that the transaction fee should be covered by the system integrator in terms of the public blockchain.

[Please note that for any queries related to the RFP, please send your queries to cbtpdepartment.nehhdc@gmail.com]

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