

# **JHARKHAND ZOO AUTHORITY**

**BHAGAWAN BIRSA BIOLOGICAL PARK, ORMANJHI, RANCHI**

**Email Id- [jharkhandzooauthority@gmail.com](mailto:jharkhandzooauthority@gmail.com), Phone no. 9006216090**

---

## **Notice inviting Expression of Interest (2<sup>nd</sup> Call)**

### **(For hiring a Consultant Firm/Agency for Preparing a Detailed Project Report on Solid-Liquid Waste Management)**

#### **Notice No. 10/2021**

Sealed proposals are invited from the authorized Firms/ Agencies/ individuals for providing consultancy services to BhagawanBirsa Biological Park for Selection of a Consulting Firm/Agency for Preparing a Detailed Project Report on Solid-Liquid Waste Management in BhagwaBirsa Biological Park, Interested Service providers are required to submit their proposals along with their credentials and quote their Rate including all taxes. EOI document on Scope of work and terms and conditions can be obtained from the office of the Director, BhagawanBirsa Biological Park on payment of application fee of Rs.1000/- by cash or DD from any scheduled/nationalized bank drawn infavour of Member Secretary, Jharkhand Zoo Authority. The last date of receipt of the proposals is 30.12.2021 up to 01:00 PM. The sealed proposals would be opened on 30.12.2021 at 01:30PM in the office of the Director, BhagawanBirsa Biological Park.

Sd/-  
**Member Secretary,  
Jharkhand Zoo Authority,  
Ormanjhi, Ranchi**

# Terms of Reference for Preparing a Detailed Project Report on Solid-Liquid Waste Management

## **1. Objective of the Assignment**

The hired firm/agency is expected to prepare a Detailed Project Report (DPR) of Solid Liquid Waste Management in the area under the zoological section of the Bhagwan Birsa Biological Park, Ormanjhi, Ranchi.

## **2. Scope of work**

The Consulting firm/agency is expected to design a suitable SLWM and document it in a DPR along with all necessary technical details and associated costs. The design and layout suggested must be compliant to National/State and Social Regulations / Policies and optimal in terms of cost. Detailed scope of work is as follows:

- a) Study of secondary information and general reconnaissance of scheme area covering aspects relevant to design such as topography and layout, natural drainage pathways, quantum of waste generated, statutory clearances/approvals necessary, soil testing, etc.
- b) Detailed engineering survey of scheme area
- c) Design of SLWM (with all technical and cost related details)
- d) Environmental Impact Assessment (EIA)/ESIA of proposed solution (including applicable statutory permissions / clearances) along with Environmental Management Plan to enable compliance with applicable National and State regulations.
- e) Detailed design drawings and layout of SLWM
- f) Bills of Quantities and Materials
- g) Cost computations and detailed budget
- h) Operation and maintenance action plan

Solid Waste Management, Liquid Waste Management are to be dealt with separately. As evident from the above, the DPR must consider various environmental risks associated with the proposed project and suggest ways to manage them effectively.

## **4. Reporting**

The consultant will report to the CCF and Director, Bhagwan Birsa Biological Park and any other official(s) deputed by him/her. However, the agency will have to work in close coordination with the park management.

## **5. Deliverables and Timelines:**

The start date of the assignment is expected to be 15 January 2022. Expected deliverables and timelines will be as follows:

<b>S. No.</b>	<b>Deliverables</b>	<b>Timeline</b>
1	Presentation of draft Inception report containing <ol style="list-style-type: none"><li>a) Overall methodology</li><li>b) Reconnaissance survey results</li></ol>	Within one month from the contract award date

S. No.	Deliverables	Timeline
	&analysis c) Characterization and quantity estimation of solid and liquid waste. d) Outline of proposed solution(s) with pros and cons, e) DPR outline f) Detailed work plan	
2	Final inception report	Within two months from the contract award date
3	DPR – final DPR	Within three months from the contract award date

### 6. Duration of the Contract:

The outputs under this assignment are to be completed within three months from the contract award date.

### 7. Desired Profile of Agency and its Manpower

- The hired agency must have been in existence for at least 5 years in the Environmental & Engineering consultancy space, and involved in Civil / Public Health contracts that include (amongst other things) SLWM system design and management.
- The average annual turnover of the firm for the preceding three financial years should be at least Rs. 50 lakhs.
- The team members of the agency are expected to be suitably qualified and experienced in SLWM. Previous experience in SLWM system design and management is desirable. The agency should have the following personnel and their experience in relevant field:

Sl. No.	Position	Qualifications	Experience	Brief Job Description
1	Team Leader	Bachelor/Master Degree in Civil/Public Health/Environmental Engineering/Environmental Science/Forestry	12-15 years' experience in 1. Quantification and characterization of different kinds of solid and liquid waste and other waste such as plastic and animal waste. 2. Design, construction and operation of Solid	Overall monitoring & Supervision of all activities from the quantification & characterization of different kinds of waste to the finalization of DPR of SLRM Reporting to CCF and

Sl. No.	Position	Qualifications	Experience	Brief Job Description
			Liquid waste Management, treatment and processing unit. 3. Environmental compliance requirements with respect to SLWM and other waste. 4. Overall team management and documentation, reporting whenever required.	Director, Bhagwan Birsa Biological Park.
2	SLWM Specialist (2Nos)	B. Tech in Civil/ Environmental Engineering/ Master in Environmental Science.	5-7 years' experience in 1. Quantification and characterization and suitable waste management technological intervention. 2. Design, construction and operation of sewerage and sewage treatment/disposal systems. 3. Over all Solid and liquid waste management.	Preparation of outlined of DPR of SLRM, planning, execution and monitoring plan. Selection of environmental and ecofriendly SLWM technologies in and finalization of DPR of SLWM and others related works.

The agency can mention in their bid/proposal the nature of additional manpower they will be deploying such as surveyors, field engineers, expert and academician etc.

## 10. Payments Schedule:

The Payment will be made after submission of DPR of SLWM and Bid Management to the CCF and Director, Bhagwan Birsa Biological Park, Ranchi, Jharkhand and other deployed by the authority, as follows:

SN	Head of particulars	Payment installment
1	On presentation and approval of inception report	10%
2	On submission and approval of draft of DPR	30%
3	On submission and approval of final DPR	60%

## 11. Confidentiality and Data Ownership:

All data is confidential and property of the Bhagwan Birsa Biological Park, Ormanjhi, Ranchi Jharkhand. No data or other information pertaining to this DPR will be shared with any third party without the written approval of the aforementioned agencies.

## 12. Terms and conditions of the EOI:

1. The proposer should have an experience of at least 5 years in the Environmental & Engineering consultancy space, and involved in Civil / Public Health contracts that include (amongst other things) SLWM system design and management
2. The Proposer should submit both technical and financial in two sealed envelopes, one containing the **Technical Bid** and the other containing **Financial Bid**. Both the envelopes should be superscribed as such. The envelopes containing technical bid and financial bids should be put in a bigger sealed envelope, superscribed with words ***“Proposal for hiring of Consultant for Preparing a Detailed Project Report on Solid-Liquid Waste Management”***.
3. The agency should have an independent legal existence, registered under the applicable Act. [Submit proof of Registration Certificate, Articles and Memorandum of Association].
4. The agency should have an average annual turnover of Rs. Fifty Lakhs or more during last three financial years and preferably have a positive net worth. Out of the total turnover, at least Rs. 25 Lakhs should be from similar assignment. [Relevant documents viz, audited financial statements and a certificate from Chartered Accountant in support of satisfying the criteria should be submitted].
5. The agency should have prior experience and have successfully completed at least 2 similar assignments, in the last 5 years, in sectors specific to that of the proposed assignment. Experience in Government sector especially related to SLWM projects. [Submit proof of Successful Completion].

6. The technical bids shall contain following information along with supportive documents:-
  - i. Proposer's complete identity and address, and proof of Address.
  - ii. Proof of Application Fee
  - iii. EMD: A Bank Draft from any Nationalized / Scheduled Bank for an amount of Rs. 10000/- made in favour of the Member Secretary, Jharkhand Zoo Authority.
  - iv. A photocopy of GST registration certificate (As applicable) and up-to-date clearance certificate from the concerned department.
  - v. If the proposal is given by an institution/agency/firm etc., then copy of the license/express permission granted by competent authority, indicating institution's/agency's business/activity in the said field.
  - vi. Proof of Experience
  - vii. The letter of Undertaking as given in Form-B
  - viii. Copy of PAN
  - ix. Copies of Income Tax Returns of last 3 years.
  - x. Signed EOI document. (Every page should be signed with date & stamp).
7. The financial bid shall be given in Form-A and the amount quoted shall be inclusive of all taxes, duties, etc.
8. Financial Bids of only those proposers who would technically qualify would be opened.
9. The proposal would be evaluated by the Procurement Committee of Jharkhand Zoo Authority as per the norms.
10. The successful Proposer will have to enter into an agreement for providing Consultancy for Preparing a Detailed Project Report on Solid-Liquid Waste Management.
11. The successful proposer should provide services at Bhagawan Birsa Biological Park, Ormanjhi, Ranchi as per the agreement entered or work order given by the Director.
12. The successful proposer shall not subcontract or give any part of the work to any other service provider or person.
13. If any information provided by the proposer is found to be false at any stage subsequently the work order would be cancelled and shall be liable to be blacklisted.
14. The proposal should be unconditional. Conditional proposal would be rejected summarily.
15. The competent Court at Ranchi would have Jurisdiction for any legal issue.
16. Taxes, required to be deducted at source, would be deducted from the payment bills.
17. The EOI inviting authority reserves the right to accept or reject any or all proposal/s without assigning any reason at any stage during the process.
18. Submission of Proposal: Proposal complete in all respects shall be submitted within the time limit, as mentioned above, at the office of the Director, Bhagawan Birsa Biological Park, Ormanjhi, Ranchi and no proposal shall be accepted after the submission deadline.

19. Any correction or cutting in the proposal including price bid shall be authenticated by full signature with stamp of the proposer.

CCF & Director,  
BhagavanBirsa Biological Park,  
Ormanjhi, Ranchi

## Proposal Application

To,  
Chief Conservator of Forests and Director,  
Bhagwan Birsa Biological Park, Ormanjhi, Ranchi.

**Sub. :** Proposal “for hiring of Consultant for Detailed Project Report on Solid-Liquid Waste Management”.

**Ref. :-** Short EOI Notice no. 10/21 Published in news paper on.....

Sir,

With reference to the above, I hereby submit my proposal along with necessary documents for the purpose of technical approval, details of which are as follows.

Sl. No.	Particulars	Information provided by Tenderer
1.	Name of Proposer & Address.	
2.	Address Proof.	
3.	Proof of Application Fee	
4.	EMD	
5.	Copy of certificate/ Licence/ permission given by competent authority to run the concerned business.	
6.	GST number and upto date GST clearance from concerned department (If applicable)	
7.	Copy of PAN	
8.	Income Tax Returns of last three years.	
9.	All other documents as asked in 12. Terms and conditions of the EOI	
10.	Letter of undertaking that the proposer is not black listed (Form-B).	
11.	Proof of experience.	
12.	Signed EOI Document.	

I Submit that financial bids have been made in the prescribed forms as per the EOI. I have understood the terms and conditions of the EOI and hereby agree to follow the same for providing the said consulting services.

Signature of Proposer

Telephone no. :

Seal :



**FORM A**

**Financial Bid**

Ref: EOI Notice No. 10/2021

<b>S.N</b>	<b>Work</b>	<b>Rate (Rs.)</b>  <b>Inclusive of all taxes</b>	<b>Remarks</b>
1	Proposal “for hiring of Consultant for Detailed Project Report on Solid-Liquid Waste Management”.		

Dated :

Signature of the Proposer

Name, Address & Seal

## **FORM-B**

### **UNDERTAKING**

**Sub. :** Proposal for hiring of Consultant for Detailed Project Report on Solid-Liquid Waste Management.

I am a Proposer for providing consultancy services in pursuance of your office EOI notice no. 10/2021. I have read and understood the terms and conditions for this EOI. The information provided by me is true. I declare that no criminal proceeding is pending against me in a court of law and I or my firm/agency is not blacklisted.

I undertake to abide by the terms and conditions of the EOI, if work order is given in our favour.

Signature of Proposer

Address :

Telephone no. :

Seal :