



NANDANKANAN ZOOLOGICAL PARK

(PROJECT MANAGEMENT UNIT)

NOTICE No. **36**/PMU/NKZP/2024 Date: 21/11/2024

QUOTATION CALL NOTICE

Construction of Power Supply (Underground Cable System) and Street Light works at Enclosures of North East Panorama inside Nandankanan Zoological Park, Bhubaneswar

Nandankanan Zoological Park, a premier zoological park located in Bhubaneswar, Odisha, invites sealed tenders from reputed, qualified, and experienced contractors / companies for the Construction of Power Supply (Underground Cable System) and Street Light works at Enclosures of North East Panorama inside Nandankanan Zoological Park, Bhubaneswar. This provision will supply the electricity facility to Enclosures at North East Panorama inside Nandankanan Zoological Park, Bhubaneswar. The tender is to be conducted as per the detailed specifications, terms, and conditions.

The tender documents and detailed terms and conditions will be available in the website of Nandankanan Zoological Park i.e. www.nandankanan.org from 23th November, 2024. The bid submission deadline is 30.11.2024 05.00 P.M.


Deputy Director
Nandankanan Zoological Park



QUOTATION DOCUMENT

Tender Notice No. 36/PMU/NKZP/2024

Date: 21.11.2024

Construction of Power Supply (Underground Cable System) and Street Light works at Enclosures of North East Panorama inside Nandankanan Zoological Park, Bhubaneswar

1. Introduction

Nandankanan Zoological Park, Bhubaneswar, an iconic wildlife destination, invites sealed tenders from reputed and eligible contractors for the construction of a reliable and high-quality power supply system through underground cables for the safaris within the park with Street Lights. The project aims to enhance energy infrastructure in an eco-sensitive manner while ensuring minimal disruption to the environment and visitor experience.

2. Scope of Work

The contractor will be responsible for providing the following services, adhering to industry standards and safety regulations:

a) **Supply of Materials:**

Procurement and transportation of high-quality cables, transformers, junction boxes, switchgear, and other necessary materials to the site.

b) **Excavation and Trenching:**

Excavation of trenches at optimal depths as per regulations to lay the underground cables while ensuring minimal damage to the park's flora and fauna.

c) **Installation:**

Laying the underground cables, including earthing, backfilling, and compacting trenches. All installations must meet relevant electrical safety standards.

d) **Environmental Protection Measures:**

Ensure no harm to animals or disruption to their enclosures during the construction process, complying with all wildlife protection norms.

e) **Testing and Commissioning:**

Conduct comprehensive tests for the entire underground cable system to ensure smooth and uninterrupted power supply to all enclosures.

f) **Safety and Security:**

Implement adequate safety measures during installation and ensure post-installation security to prevent cable theft or damage.

3. Eligibility Criteria

The bidders must fulfil the following eligibility criteria:

a) **Experience:**

Proven experience in executing similar nature (underground power supply)

b) **Key Personnel:**

The contractor must have qualified personnel, including electrical engineers and certified technicians with expertise in underground cable installations.

c) **Equipment and Machinery:**

The contractor should own or have access to modern machinery and equipment for excavation, trenching, and cable laying.

d) **Legal Compliance:**

The bidder must provide a valid GST registration, PAN card, and electrical contractor license.

4. Submission of Bids

The quotation should include rates, GST certificate, electrical licence and pan card.

The bid submission deadline is 30.11.2024 05.00 P.M. and opening of the bid is dt.02.12.2024 11.00 A.M.

7. Project Timeline

The entire project, including the installation, testing, and commissioning, must be completed within **15days** from the date of award of the contract. Delay in project completion without valid justification will result in penalties as per the liquidated damages clause.

8. Liquidated Damages

In case of delays attributable to the contractor, liquidated damages will be imposed at the rate of **0.5% of the contract value per week**, subject to a maximum of **10% of the total contract value**. Timely completion is crucial to ensure uninterrupted zoo operations.

9. Quality Assurance

The contractor must adhere to the highest quality standards and follow the prescribed technical specifications. All materials supplied must conform to relevant IS (Indian Standard) specifications, and quality checks must be conducted at regular intervals. Any substandard work or material will be rejected, and rectification will be at the contractor's expense.

10. Sustainability and Environmental Conservation

Given the ecologically sensitive environment of Nandankanan Zoological Park, the contractor must adopt sustainable practices such as:

- Minimizing excavation footprints.
- Ensuring waste materials are disposed of in an environmentally safe manner.
- Utilizing materials that are eco-friendly and non-hazardous to wildlife.

11. Health, Safety, and Risk Management

The contractor must implement a comprehensive Health, Safety, and Environment (HSE) plan to ensure the safety of workers, zoo staff, visitors, and animals. The plan must comply with all relevant safety regulations, including the provision of safety gear for workers, emergency response mechanisms, and first-aid facilities at the site.

12. Payment Terms

Payment: 100% payment will be made after successful installation, testing and commissioning and obtaining all necessary approvals.

13. Arbitration and Dispute Resolution

In the event of any dispute or difference arising under or out of the contract, the same shall be referred to arbitration in accordance with the provisions of the Arbitration and Conciliation Act, 1996. The decision of the arbitrator shall be final and binding on both parties. The venue for arbitration will be Bhubaneswar.

14. Contact Information

For further information or clarifications, please contact:

Project Manager,
Project Management Unit
Nandankanan Zoological Park,
Bhubaneswar, Odisha,
Phone: 9861168768
Email: pmu.nandankanan@gmail.com


Deputy Director
Nandankanan Zoological Park

Bill of Quantities (BoQ)

A. Enclosure No. 1

SI No.	Description of Work	Unit	Quantity	Unit Price (Rs)	Amount (Rs)
1	95mm ² 3.1/2 core armoured cable	Mtr	105		
2	HDPE Pipe 110mm, MMPE 80 PN4	Mtr	105		
3	200Amp MCB, 200Amp HR Fuse & Coupler Busbar provision for 8 single-phase connections	No	1		
4	Laying and commissioning of 95mm ² 3.1/2 core XLPE UG armoured cable by underground method 1 meter deep with spare 1 no.	Mtr	105		
5	Transportation, installation & connection charges of contractor	LS	LS		
6	GST (18%)				
7	Grand Total				

B. Enclosure No. 2

SI No.	Description of Work	Unit	Quantity	Unit Price (Rs)	Amount (Rs)
1	16mm ² single core armoured cable	Mtr	80		
2	HDPE Pipe 2"	Mtr	80		
3	63 Amp single-phase with coupler Busbar channel	No	1		
4	Laying and commissioning of 16mm ² 3.1/2 core XLPE UG armored cable by HDPE pipe underground method 1 meter deep with spare 1 no.	Mtr	80		
5	Transportation, installation & connection charges of contractor	LS	LS		
6	GST (18%)				
7	Grand Total				

C. Enclosure No. 3

SI No.	Description of Work	Unit	Quantity	Unit Price (Rs)	Amount (Rs)
1	16mm ² single core armored cable	Mtr	78		
2	HDPE Pipe 2"	Mtr	78		
3	63 Amp single-phase with coupler Busbar channel	No	1		

SI No.	Description of Work	Unit	Quantity	Unit Price (Rs)	Amount (Rs)
4	Laying and commissioning of 16mm ² 3.1/2 core XLPE UG armored cable by HDPE pipe underground method 1 meter deep with spare 1 no.	Mtr	78		
5	Transportation, installation & connection charges of contractor	LS	LS		
6	GST (18%)				
7	Grand Total				

D. Enclosure No. 4

SI No.	Description of Work	Unit	Quantity	Unit Price (Rs)	Amount (Rs)
1	16mm ² single core armer cable	Mtr	85		
2	HDP Pipe 2"	No	85		
3	63 Amp single phase with couper Busbar chanel	Mt '	1		
4	Laying commissioning of 16mm ² 3.1/2 core XLPE UG armer cable by HDP pipe underground method 1 meter deep & spare 1 no.	Us	85		
5	Transportation installation & connection charges of contractor	Mtr	Us		
6	GST (18%)				
7	Grand Total				

E. Enclosure No – 5

SI No.	Description of Work	Unit	Quantity	Unit Price (Rs)	Amount (Rs)
1	16mm ² single core armer cable	Mtr	75		
2	HDP Pipe 2"	No	75		
3	63 Amp single phase with couper Busbar chanel	Mt '	1		
4	Laying commissioning of 16mm ² 3.1/2 core XLPE UG armer cable by HDP pipe underground method 1 meter deep & spare 1 no.	Us	75		
5	Transportation installation & connection charges of contractor	Mtr	Us		
6	GST (18%)				
7	Grand Total				

F. Enclosure No – 6

SI No.	Description of Work	Unit	Quantity	Unit Price (Rs)	Amount (Rs)
1	16mm ² single core armer cable	Mtr	79		
2	HDP Pipe 2"	Mtr	79		
3	63 Amp single phase with couper Busbar chanel	No	1		
4	Laying commissioning of 16mm ² 3.1/2 core XLPE UG armer cable by HDP pipe underground method 1 meter deep & spare 1 no.	Mtr	79		
5	Transportation installation & connection charges of contractor	Us	Us		
6	GST (18%)				
7	Grand Total				

G. Street Light Works

SI No.	Description of Work	Unit	Quantity	Unit Price (Rs)	Amount (Rs)
1	16mm ² single core armer cable	Mtr	800		
2	HDP Pipe 2"	Mtr	750		
3	63 Amp single phase with couper Busbar chanel	No	3		
4	Laying commissioning of 16mm ² 3.1/2 core XLPE UG armer cable by HDP pipe underground method 1 meter deep	Mtr	750		
5	Street light pole front cable chamber 1.5ft *1.5ft with slab and sand filling	No	30		
6	2.5mm ² single core copper wire				
7	Street light pole end filling MCB 1o Amp with box	No	30		
8	Transportation installation & connection charges of contractor	Us	Us		
9	GST (18%)				
10	Grand Total				

Final Financial Bid

Sl No	Work Description	Amount (in Rs)
1	A. Enclosure No. 1	
2	B. Enclosure No. 2	
3	C. Enclosure No. 3	
4	D. Enclosure No. 4	
5	E. Enclosure No. 5	
6	F. Enclosure No. 6	
7	G. Street Light Works	
Grand Total (in Rs)		

***GST should be included in final submission**