



GOVERNMENT OF ORISSA
FOREST DEPARTMENT
OFFICE OF THE DEPUTY DIRECTOR, NANDANKANAN ZOOLOGICAL PARK
Last date of filing the tender : 4.30 PM of 15.11.2017
Date of opening of technical bid : 11.30 AM of 17.11.201

FORM – A (TECHNICAL)

TENDER FOR SUPPLY & INSTALLATION OF CHLORINE DOSING SYSTEM, MULTI GRADE PRESSURE SAND FILTER, CARBON PLANT FOR TREATING WATER AT STATE BOTANICAL GARDEN OF NANDANKANAN ZOOLOGICAL PARK, ODISHA

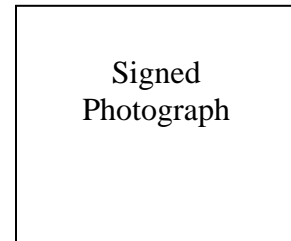
1. NAME & ADDRESS OF THE FIRM :
2. REGISTRATION NO. :
3. PAN NO (COPY TO BE ENCLOSED) :
4. G S T REGISTRATION NO. :
5. CREDENTIALS OF THE AGENCY/TENDERER:
AND ASSOCIATES, IF ANY

Sl. No.	Year	Place of installation	Nature of job undertaken
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Note: - The Firm should have a minimum (2) year of experience in maintenance Multi grade pressure sand filter & Carbon plant. Experience certificate must be enclosed as proof.

“Certified that I have read the Terms and Conditions of Tender and Contract appended with this form and I agree to the terms and conditions.”

EMD for Rs. _____/-
D.D. No. _____ Dt. _____
Bank: _____



Signature of the Tenderer



GOVERNMENT OF ORISSA
FOREST DEPARTMENT
NANDANKANAN ZOOLOGICAL PARK, ODISHA.
OFFICE OF THE DEPUTY DIRECTOR, NANDANKANAN ZOOLOGICAL
PARK

FORM – B (FINANCIAL)

TENDER FOR SUPPLY & INSTALLATION OF CHLORINE DOSING SYSTEM, MULTI GRADE
PRESSURE SAND FILTER, CARBON PLANT FOR TREATING WATER AT STATE
BOTANICAL GARDEN OF NANDANKANAN ZOOLOGICAL PARK, ODISHA

1. Name & address of the Firm :

Sl. No.	Description	Price offered in Rs (in figures followed by words) for 1 unit including all taxes and delivery at Nandankanan.
1.	<u>Chlorine Dosing system</u> Dosing Pump :1 No @ 4LPH @ 4Kg/cm ² HDP Dosing Tank : 01 Nos, 250 Lts capacity Pump Make : Milton Roy / Equivalent	Rs.
2.	Multi Grade Filter-1 No	Rs.
3.	Activated Carbon Filter-1 No	Rs.

Note: - Rate may be quoted clearly in words and figures.

“Certified that I have read the terms and conditions of tender and contract appended with this form and am in understanding of them and am agreeable to the conditions and hereby offer the above amount”.

Full Signature of the Tenderer

Date:

Photograph

- The details specifications are mentioned in the terms and conditions.

TERMS AND CONDITIONS OF THE TENDER SUPPLY & INSTALLATION OF CHLORINE DOSING SYSTEM, MULTI GRADE PRESSURE SAND FILTER, CARBON PLANT FOR TREATING WATER AT STATE BOTANICAL GARDEN OF NANDANKANAN ZOOLOGICAL PARK, ODISHA.

Last date of filing the tender : 4.30PM of 15.11.2017
 Date of opening of Technical bid : 11.30 AM of 17.11.2017

The Deputy Director, Nandankanan Zoological Park invites sealed tender in prescribed form for supply & installation of Chlorine Dosing system, Multi Grade pressure sand filter & Carbon plant for treating water at State Botanical Garden with the following the terms & conditions:

1. The Technical specification of the chlorination plant will be as follows:

**ANNEXURE-I
 DESIGN BASIS, TREATMENT SCHEME :**

<u>Source</u>		Kanjia Lake (SBG Side)
PH		6.5 8.5
Colour in Hazen Unit		Unobjectionable.
Odour		Unobjectionable.
Total Suspended Solids	ppm	Considering<5
Turbidity	NTU	Considering<5

Design Scheme

Present Raw water Pump capacity	15 to 17M ³ /hr@35meter head. (NKZP Scope)
Chlorine Dosing System	04 LPH
Multigrade Filter outlet flow	17M ³ /hr
Activated carbon Filter outlet flow	17M ³ /hr

Design Output/Flow rate

No. of Streams Filtration unit -		One
Multigrade Filter outlet flow	m ₃ /hr	17
Activated carbon Filter outlet flow	m ₃ /hr	17
Operational Hr.	Hr	20
Treated Water Quality:-		
Suspended solids after ACF	ppm	<5
Turbidity after ACF	NTU	<5

ANNEXURE -II

Chlorine Dosing System

- 1) Dosing Pump : 01No. @ 4LPH @4Kg/cm²
- 2) HDP Dosing Tank : 01No. 250 litres capacity.
- 3) Pump Make : Milton Roy/Equivalent.

Multi Grade Filter-

	: (01 No)
1. Size	: 1000mm Dia X 2000mm HOS
2. Dish & Plate Thickness	: 8mm & 6mm
3. Design pressure	: 5.0 Kg/cm ²
4. Max. Operating Pressure	: 3.5 Kg/cm ²
5. Minimum Operating Pressure	: 2Kg/cm ²
6. Capacity	: 17m ³ /hr
7. Frontal & interconnecting piping	: 1 lot
8. Duration of back wash	: 30 min
9. Duration Rinse	: 15 min.
10. Valve	: Butterfly
11. Internal distribution	: Header & Lateral assembly.
12. Filter Media	: Pebbles, Gravels, sand of Baraker River
13. MOC	: MS
14. Valves Make	: Audco or equivalent.
15. All Flanges and components	: B.S 10 Table D
16. Pipe line sizes	: 80NB
17. Vessel Specification	: IS 2062, Grade B

Activated Carbon Filter

	: (01 No)
1. Size	: 1000mm Dia X 2000mm HOS
2. Dish & Plate Thickness	: 8mm & 6mm
3. Design pressure	: 5.0 Kg/cm ²
4. Max. Operating Pressure	: 3.5 Kg/cm ²
5. Minimum Operating Pressure	: 2Kg/cm ²
6. Capacity	: 17m ³ /hr
7. Frontal & interconnecting piping	: 1 lot
8. Duration of back wash	: 30 min
9. Duration Rinse	: 15 min.
10. Valve	: Butterfly
11. Internal distribution	: Header & Lateral assembly.
12. Filter Media	: Pebbles, Gravels of Baraker River & Carbon
13. MOC	: MS
14. Valves Make	: Audco or equivalent.
15. All Flanges and components	: B.S 10 Table D
16. Pipe line sizes	: 80NB
17. Vessel Specification	: IS 2062, Grade B

2. The sale of tender paper shall be from 30.10.2017 to 15.11.2017(up to 4.30PM) during office hours. The sealed tender should be addressed to the Deputy Director, Nandankanan Zoological Park, P.O.:Barang, Dist.:Khurda, Pin– 754 005 and superscribed "Tender for Supply & installation of Chlorine Dosing System, Multi Grade Filter & Activated Carbon Filter" at State Botanical Garden in Nandankanan at the top left hand corner of the envelop and to be submitted in the office of the Deputy Director, Nandankanan by 4.30 PM of 15.11.2017.

3. The tender must be accompanied with attested copies of **GST registration certificate**, failing which the tender shall not be considered. An affidavit of authentication of documents is to be furnished without which the tender is liable for rejection.
4. The EMD of Rs. 30,000/- in shape of Bank draft/Bankers cheque drawn in favor of the Deputy Director in any Nationalized Bank, payable at Bhubaneswar.
5. The tenderer are required to submit copies of detail drawing, manufacturer literature, characteristic etc. If any defect will be noticed during the guaranty period the supplier should rectify such defect or replace the defective parts at his own cost on priority basis.
6. Testing and commissioning of Chlorine Dosing system, Multi Grade pressure sand filter & Carbon plant with all accessories shall be done as per IS specification/standard code of practice. Trial run will be made for 30 days including of all labour, T & P and ancillary equipments by the tenderer. The firm has to ensure satisfactory trail run giving required performance at his own cost within the trial run period the tenderer will educate the maintenance staff of the undersigned for its future use.
7. Consignee will not pay any additional cost for transit insurance and it is the sole responsibility of the tenderer to deliver the goods in good condition at the Nandankanan Zoological Park.
8. After successful installation of the plant, 75% payment shall be released. Balance 15% shall be released within 30 days after successful implementation and the rest 10% shall be released after successful completion of one year.
9. The successful tenderer shall be responsible for further maintenance of the plant after successful completion of 1st year. The cost of annual maintenance shall be negotiable & financial with the successful tenderer only after 1st year completion of the project. In case the successful tenderer will not take any interest on maintenance of the project, he shall be debarred to participate any tender at Nandankanan Zoological Park.
10. The authority is not bound to accept the lowest bidder and cancel / reject whole or any part of tender without assigning any reason thereof. The selection of tender depend on the past performance and reputation, not based on lowest bid.
11. The successful tenderer after receipt of formal order for the purpose shall execute agreement & deposit Security Deposit of Rs.50, 000/-in shape of Bank Draft/Fix- Terms Deposit drawn in favour of the undersigned on any Nationalized Bank on the day of agreement, failing which the EMD so deposited shall be forfeited to Government.
12. In the event of failure or refusal to execute the agreement the EMD shall be forfeited and order shall be cancelled.
13. In case of any delay in supply, commissioning, testing, installation shall be carried out within 30 days from the date of supply order of the supply & installation of Chlorine Dosing system, Multi Grade pressure sand filter & Carbon plant, a penalty of 1% of the order value shall be imposed per day of delay till commencement of the project. If such delay is beyond six(6) months of the date of agreement the Security Deposit shall be forfeited to Government and agreement shall be cancelled & stand void.
14. The tenderer is not required to make any correspondence with the authority before or after opening of the tender. The tenderer may furnished similar installation work if any undertaken by him supported with performance certificate.
15. The tenderer shall at the time of submitting tender furnish his correct postal address and Telephone numbers to which all communications could be sent. The responsibility to receive promptly all communications if any, rest fully on the tenderer himself.

16. Form of Tender: The tender form will consist of two parts, (i) Form-A (Technical) and (ii) Form-B (Financial). The Tenderer has to give details of his company's / Associates, EMD, tender paper cost and all technical documents, if any previous experience and the proof to that extent in Form-A (Technical). In Form-B the tenderer has to quote financial amount. Form A & Form B are to be kept in two different sealed covers over which it has to be written clearly Form-A / Form-B respectively. Both covers should be kept in a cover super scribing "TENDER SUPPLY & INSTALLATION OF CHLORINE DOSING SYSTEM, MULTI GRADE PRESSURE SAND FILTER, CARBON PLANT AT STATE BOTANICAL GARDEN IN NANDANKANAN ZOOLOGICAL PARK and the name of the tenderer. Otherwise tender will not be considered. The tender should be sealed and complete in all respect.
17. Tender form can be obtained from the office of the Deputy Director, Nandankanan Zoological Park as well as website of Nandankanan Zoological Park www.nandankanan.org on payment of Rs.2000/- (Rupees Two Thousand) + GST 18% (Rs.360/-) = Rs. 2360/-. The downloaded tender paper must be accompanied with Bank Draft of Rs.2360/- in favour of the Deputy Director, Nandankanan Zoological Park in any nationalized Bank payable at Bhubaneswar. The cost of tender form is not refundable under any circumstances.
18. Tender submitted by a person who has dues to the Forest Department or who is a minor or who is insolvent, or who has been convicted in a court of law for offences involving moral turpitude or who has been black listed shall be treated as invalid and EMD along with such tender shall be forfeited to the Government.
19.
 - i) No interest shall be payable in any case on the amount of earnest money deposit.
 - ii) The Earnest Money Deposit will be returned to the unsuccessful tenderer as soon as practicable after the decision of the purchase committee.
 - iii) The EMD shall be subject to forfeit to Govt in case the lowest tenderer do not turn up to sign the agreement upon finalization of the Tender process.
20. Conditional tender or tenders sent otherwise than as laid down herein will be considered invalid.
21. The Tender shall be finalized by the tender committee in the following procedure :
 - (i) First only the Form "A"- Technical bid will be opened and evaluated as per the Tender conditions & specifications mentioned.
 - (ii) The financial bid in Form "B" of only such of the tenderers who qualify in the Technical bid will be opened.
 - (iii) The committee constituted for finalization of tender will consider the rates offered in sealed tender and will take a decision to accept the tender or otherwise.
22. If identical lowest tenders are offered by more than one tenderer then the matter will be decided by the Committee keeping in view previous experience and credibility in similar field.
23. The Deputy Director, Nandankanan Zoological Park shall be the authority competent to enter into agreement with the 2nd party on behalf of the Government.
24.
 - i) The 2nd party on being so appointed shall execute an agreement after completing the formalities specified hereunder within seven days from the date of dispatch of the order of appointment by registered post acknowledgement due.
 - ii) The Deputy Director, Nandankanan Zoological Park, shall cancel the order for tender supply & installation of chlorine dosing system, multi grade pressure sand filter, carbon plant for treating water at State Botanical Garden in Nandankanan Zoological Park, if the 2nd party fails to complete the formalities and execute the agreement within time allowed under clause (i) above, the matter shall be put for re-tender.

25. THE CONTRACT IS NOT TRANSFERABLE / IT CANNOT BE SUBLET OR OTHERWISE, TO ANY OTHER PERSON EITHER IN WHOLE OR IN PARTS.
26. The Deputy Director may terminate the contract at any time after issuing a notice of (15) days in advance of the proposed date of termination of contract without assigning any reasons therefore.
27. Non observance of any of these conditions may result in termination of the contract and forfeiture of the Security Deposit paid by the 2nd party, the termination of agreement shall be without prejudiced to any other right and remedies that the Government may have.
28. In case of any dispute arising between the Deputy Director and the contractor as the matter arising under this contract such dispute shall be referred to the Principal Chief Conservator of Forests/Director of Biological Park, Bhubaneswar within two weeks from the date of dispatch of the order by registered post acknowledgement due and his decision thereon shall be final.
29. The Deputy Director, Nandankanan Zoological Park has the right to annul, add, modify any of the conditions above without any notice and they shall be binding on the contractor.
30. All appeals shall be made to the Principal Chief Conservator of Forests (Wildlife)/Director of Biological Park, Bhubaneswar whose decision thereon shall be final.
31. In case if the bid offered is not satisfactory, the Committee will take up negotiation with the lowest bidder for an agreeable amount. In case the lowest bidder do not offer the satisfactory bid, the next lowest bidder may be called for and this process will continue further as desired by the Committee.
32. All disputes those may arise in future shall be subject to the jurisdiction of the SDJM, Bhubaneswar only.
33. The agency / individuals who agrees to the terms and conditions laid down above shall may apply.

Signature of the Tenderer
Name:
Full address:

Deputy Director,
Nandankanan Zoological Park