



OFFICE OF THE DEPUTY DIRECTOR
NANDANKANAN ZOOLOGICAL PARK
EXPRESSION OF INTEREST FOR
AMC OF 03NOS OF MULTI COLOUR DIGITAL
DISPLAY BOARD AT NANDANKANAN ZOOLOGICAL
PARK, ODISHA FOR THE YEAR, 2022-23

<u>Particulars</u>	<u>Date & Time</u>
Date of EOI document available at website: <i>www.nandankanan.org</i>	10.00 AM of 06.07.2022
Last Date of Submission of EOI:	3.30 PM of 15.07.2022
Date of Opening of Technical bid & Financial Bid : Address for sending Physical Documents	4.00 PM of 15.07.2022 Deputy Director, Nandankanan Zoological Park, PO: Barang (Near Nandankanan Police Station) DIST: Khordha, Odisha, PIN: 754005.
Place of Opening of Bids	Conference Hall of Nandankanan Zoological Park, PO: Barang, Dist: Khordha, Odisha,

Form A
Format of Technical Bid

(AMC OF 03NOS MULTI COLOUR DISPLAY BOARD AT
NANDANKANAN ZOOLOGICAL PARK)

Photograph of
the bidder shall
be pasted here
duly self signed
in front

1. Name of Bidder
/Firm/Agency:
2. Address of Bidder
/Firm/Agency :
3. Telephone & Email :
4. ID proof
(Voter ID/Aadhar Card):
5. Residential address proof:
(To be supported with copy
of Telephone/electric bill
of March / April, 2022
/driving license)
6. PAN Number of Bidder:
7. GST registration Number:
8. Name, Branch & Account no. of bidder :
9. Credibility & experience certificate for similar type of work:

• **Certified that I have read the Terms and Conditions of EOI and I agree to the terms and Conditions.**

Date:

Place:

Signature of the Bidder

9

Form- B
Format of Financial Bid

Photograph of
the bidder shall
be pasted here
duly self signed
in front

1. Name and address of
Bidder /Firm/Agency:

Sl. No.	Item of Work	Rate Quoted both In Rs. & words (including all taxes and GST)
1	AMC OF 03NOS MULTI COLOUR DISPLAY BOARD AT NANDANKANAN ZOOLOGICAL PARK FOR THE YEAR, 2022-23	

Note:

- A) Price should be quoted in Indian Currency only.
- B) If the bidder has quoted certain optional items other than above, that item shall not be taken into consideration for the evaluation of their price bid.

Date:

Place:

Signature of the Bidder

7

TERMS AND CONDITIONS OF EOI FOR AMC OF 03NOS OF MULTI COLOURED DIGITAL DISPLAY BOARD INSTALLED AT NANDANKANAN ZOOLOGICAL PARK FOR THE YEAR, 2022-23

1. Sealed EOI in prescribed Forms are invited by the Deputy Director, Nandankanan Zoological Park, Barang from interested individuals/ Firms/ agencies/ companies/ for AMC of 03nos of Multi Colour Digital Display Board at Nandankanan Zoological Park for the year 2022-23.
2. Form of EOI: The EOI form will consist of two parts, (i) Form-A (Technical) and (ii) Form-B (Financial). Form A (Technical) & Form B (Financial) are to be kept in two separate sealed covers over which it has to be written clearly "Form-A" / "Form-B" and both the covers should be kept in a single sealed cover super-scribing "EOI for AMC of 03nos of Multi Colour Digital Display Board at Nandankanan Zoological Park for the year 2022-23" and the name of the Bidder or else EOI shall not be considered. The EOI should be sealed and complete in all respect.
3. The EOI should be addressed to the Deputy Director, Nandankanan Zoological Park, PO: Barang Dist: Khordha PIN-754005 and submitted by Regd. Post/Speed post/ Courier/by hand so as to reach the office of the undersigned by 3.30 PM of 15.07.2022.
4. The EOI along with terms & conditions shall be available in the website of Nandankanan Zoological Park (www.nandankanan.org).
5. The sealed EOI will be opened at 4.00 PM on 15.07.2022 in the Conference Hall of Nandankanan Zoological Park in presence of the committee constituted by the Deputy Director under chairmanship of Deputy Director, Nandankanan Zoological Park in presence of the Bidder or their authorized representatives.
6. EOI received beyond the schedule date & time will not be considered. Once opened, no Bidder will be allowed to be withdrawn till finalization of the bidding process.

9

7. The EOI should be accompanied with the following documents:
- A. Pass photo size photograph,
 - B. The original bid document dully signed and stamped on each page as a token of acceptance of terms & conditions of the bid document.
 - C. Self attested copies of following documents must be attached along with application:
 - I. Copy of the PAN Card
 - II. Copy of the Voter ID & Aadhar Card
 - III. Income Tax Clearance Certificate of last two years.
 - IV. Copy of GST Registration Certificate.
 - V. Credibility & experience certificate & work order received on similar nature of work from any Govt. Organization and reputed Institution (minimum 02nos) of last two years.
8. The EOI without aforesaid documents shall be liable for rejection.
9. The successful Bidder should provide the maintenance work for a period of One year from the date of issue of work order from Nandankanan.
10. AMC will cover break down visit as and when required and if complain receipt from the Range Officer of Nandankanan Zoological Park. In case of failure to provide the maintenance work within 48 hours of receipt of complaint, an amount of Rs.100/- per day per board will be deducted from the AMC charges.
11. The successful Bidder should have the maintenance of Multi Colour digital display board as per the following scope of work:
- A. Internal power and Data line wires / cables / jumpers / Y Clips to be changed as required.
 - B. Change of faulty industrial SMPS / Motherboard as and when required.
 - C. Change of faulty Matrix LED cards of display Systems as when required.
12. Both the Display Boards shall be routinely checked once in a month and the visiting report countersigned by the staff of concerned Range officer concerned. The Range Officer shall submit the visiting report along the quarterly performance of AMC to the office of the Dy. Director, Nandankanan Zoological Park. Failure to routine checkup Rs.1000.00/month will be deducted from AMC charges.

13. The successful bidder should done the following test of both the display boards during routine visit:
- A. Visual Inspection.
 - B. Basic communication test.
 - C. Ethernet communication.
 - D. LED emission test.
 - E. Data entry software test.
 - F. Power supply voltage variation.
 - G. Power on test for 72 hours.
 - H. Current load test with timer test.
14. The equipment parts replaced must be new and equivalent in performance of existing parts.
15. AMC does not includes damage of spares and equipment of Display board due to natural calamities i.e. cyclone, lightening, electrical short circuit and etc.
16. The AMC cost includes the travelling cost, repairing and maintenance cost for rendering service throughout the year for all the display boards at Nandankanan Zoological Park.
17. If the Successful bidder fails to perform his AMC work inside Nandankanan Zoological Park under detail technical specification of all the Digital Display Board at para **No.38 & 39**, the proportionate payment for the work shall not be considered /the SD liable for forfeiture to Govt.
18. The yearly rate to be quoted in prescribed format of financial bid (form-"B") inclusive of all taxes & other incidental charges except the charges of spares as require to be replaced.
19. Credibility and experience certificate issued from any related concerned Authority / Employer of a Govt. / Institute of repute with a minimum period of **02** (Two) years for the works of similar nature.
20. The authority reserves all right to accept or reject the EOI without assigning any reason thereof.
21. A letter from the firm indicating that they have not been black listed by any government department or any organization in India from participating in EOI/tender.
22. The Duly filled technical bid along with supporting documents must be submitted in hard copy.
- 2

23. Canvassing in any other form relating to the bidder is strictly prohibited and the bid submitted by the bidder who resorts to canvassing will be liable for rejection. The bids which do not fulfill any or all of the conditions or incomplete in any respect and incorporating additional conditions other than the conditions as mentioned herein are liable for rejection
24. During the period of contract the successful bidder shall provide uninterrupted service with diligently, honestly and to the satisfaction of the Deputy Director / authorities of Nandankanan Zoological Park.
25. The payment of the agreed Annual Maintenance Contract (AMC) will be made by the Deputy Director; Nandankanan Zoological Park for first 03 months of AMC Period in advance and the next 09 months will be paid on quarterly basis after satisfactory completion of the previous quarter, on receipt of service report duly certified by the concerned Range Officer & authorized officer.
26. The successful bidder shall pay all taxes to the Govt. in accordance with the existing Acts, Rules, notification and regulations. T.D.S will be deducted as per prevailing rules.
27. After finalization of the bidder, the successful Bidder / Agency shall be required to be made an agreement with the Deputy Director. Nandankanan Zoological Park within 07 days of letter of award.
28. The term 'Deputy Director' wherever mentioned in the document of Agreement shall mean the "Nandankanan Biological Park" authority. The term "Agency" wherever mentioned in the document shall mean the party selected for award of the contract. The term "Contract" means the agreement between the "Deputy Director" and "Agency" which would be signed at the time of awards the work assignment.
29. The successful bidder has to submit performance security deposit in the form of Bank Draft drawn in favour of Deputy Director, Nandankanan Zoological Park payable at Bhubaneswar which is 5% of the bid value on or before the execution of agreement. The successful bidder in the event of any unwanted occurrence or breach of contract the compensation as assessed by the undersigned shall be recovered from his security deposit.



30. The Security Deposit will be refunded after one month of completion of agreement period / AMC period.
31. The intended bidder may contact concerned Range Officer, Revenue during office hours from 10.00 AM to 5.30 PM on any working days for getting the information about the location / details of display boards.
32. In case any dispute arising between the Deputy Director and the agency as the matter arising under this contract such dispute shall be referred to the Director of Nandankanan 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.
33. 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 bidder.
34. It is not binding on the part of the authority to accept the lowest bidder and the Deputy Director, Nandankanan Zoological Park reserves all the rights to reject any or all the bidders without assigning any reason thereof.
35. For any clarification regarding terms & conditions the Dy. Director, Nandankanan may be contacted in person or on phone 9437022023 during office hours.
36. All Appeals shall be made to the Director, Nandankanan Biological Park, Bhubaneswar whose decision thereon shall be final.
37. All disputes those may arise in future shall be subject to the jurisdiction of the SDJM, Bhubaneswar only.

38. Technical Specification of 02nos Multi Colour Display Board installed at Nandankanan **(8ft x 6ft) and (8ft. x 2.5ft.)** are as follows:

SL No.	Item	Specification
1	Fundamental Unit of Display	5mm / 3mm oval diffused LED's
2	Minimum light output	1500MCD (Mili Candela) each LED
3	Replaceable unit LED card size	12.5 x 6.5 inch identical LED cards
4	LED position Matrix	32 columns of LED x 16 rows in each card
5	LED density	1024 LED's per Sq. Ft.
6	Unit Pixel	Single LED
7	Brightness	5000 CD/ M2
8	Colour	1R1G1B
9	Gray Scale / CO	16384 Grades for R, G and B
10	Display Size	8ft. x 6ft. and 8ft. x 2.5ft.
11	Display	1 billion colours
12	Total No. of LED character rows	Matrix Display (single screen)
13	Total characters in each row	Customizable
14	Height of single character on LED	Programmable as per font selection
15	Width of single character on LED	Programmable as per font selection
16	Gap between two adjacent LED rows	Programmable as per font selection
17	Data Entry	LAN / USB
18	Cabinet (Box)	IP65 black Matt Powder coated
19	Coating	Black matt Powder coated finish
20	Power supply	Industrial SMPS (Switching mode power supply) suitable for the CPU card & all
21	Linguistics	Any language
22	Visibility range	From 8meter to 100 meter with absolute visual clarity
23	Viewing Angle	H:120 DEG, V: 120 DEG
24	Method of LED soldering	Wave soldering
25	Construction of the Display	Compatibility / suitable for outdoor installation in open air condition
26	Make	Addsoft
27	Power Cabling	1 Phase, 230 volt, +/- 10%, 5 Hz
28	Memory spread over	Spread over 45 pages or frames
29	Mounting type	Wall/Ground/Roof
30	Temperature Rating	20 to 65 degree C
31	Module Size (MM)	320 x 160
32	Module pixel (CD/My)	32 x 16
33	Protection	Front IP 65/ Back IP 54
34	Refresh rate	400 Hz
35	Drive method	1/8 scan
36	Control method	SYNCHRONOUS USB/LAN
37	Video format supported	MPG/MPEG/MPV/MPA/AVI/VCD/SWF/RM/RA/ RMJ/ASF
38	Audio format supported	Mp3 / MP4 / WMA
39	Range supported	Text documents, Doc. Extensions, Picture (BMP / JPG / GIF / PCX)
40	Durability	100000 HRS
41	Software features	Rotate Right / Left / Blink and more

39. Technical Specification of Colour Display Board installed at Nandankanan gate No.2 (320mm x 160mm) is as follows:

SL No.	Item	Specification
1	Name module	P10 single red colour led display
2	Plate size	320mm x 160mm
3	Resolution	32 x 16
4	Pixels pitch	10mm
5	Light colour	1R
6	Led Lamp	546
7	Brightness	≥3000cd/sqm.
8	Drive Mode	¼ scan, constant voltage
9	Pixel density	10000 dots / sqm.
10	Refresh rate	≥60HZ
11	Failed rate	<0.0002
12	Best viewing distance	≥10m
13	MTBF	10000hrs
14	Work life	100000hrs
15	System operating platforms	WIN7\WINXP\WIN2000 etc.
16	Data communication	RF/S-video/RGB/RGBHV/YUV/YC/ composition etc.
17	Control system	PCTV card + DVI graphic card + control card + optical fibre transmission (optional) etc.
18	Control mode	Synchronous / Asynchronous
19	Max power consumption	≤400W/sqm.
20	Maximum current	5.5A
21	Input voltage (DC)	4.8-5.5V
22	Operating Environment	Temperature, -20°C~+50°C
23	Working voltage	AC110V/220V±10%

Signature of the Bidder


Deputy Director
Nandankanan Zoological Park