

**Government Of India**  
Ministry Of Housing & Urban Affairs



**Central Public Works Department**  
Excellence in Public Works

Tender Published

**Current Tender Details**

Tender ID	138080	NIT/RFP NO	19/e-NIT/EE/CED-I/CCU/2025-26
Name of Work	Detailed land survey using Total station survey (TSS) & DGPS of National Zoological Park, New Delhi.		
Procurement Type	Works	Bid Type	Percentage
Tender Type	OPEN	Estimated Cost	₹ 12,33,490 ( Twelve Lakh Thirty Three Thousand Four Hundred and Ninety Rupees )
Bid Submission Closing Date	06/01/2026 15:00	Competitive Bidding Type	NCB

**Tender Published Successfully.**



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**Government Of India**  
Ministry Of Housing & Urban Affairs



**Central Public Works Department**  
Excellence in Public Works

Tender Consolidation View

Print

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**Enquiry Particulars**

Regional Office	EE - CED - I	Office Inviting Bids	Chandigarh - CE - E and F - EE - CED - I
Tender ID	138080	NIT/RFP NO	19/e-NIT/EE/CED-I/CCU/2025-26
Name of Work	Detailed land survey using Total station survey (TSS) & DGPS of National Zoological Park, New Delhi.	Subwork/Packages	
Time Allowed	75 days	Tender Type	OPEN
Procurement Type	WORKS	Bid Type	Percentage
Type of Work	Civil Works - Others	Category of Tender	GENERAL
Estimated Cost(INR)	₹ 12.33.490	Competitive Bidding Type	NCB

**Bid Submission Dates**

Last Date & Time of receipt of Pre-Bid Queries	06/01/2026 14:55	Receipt of Queries through	Email
Email	eeecd1ccu-mef@nic.in		
Bid Submission Closing Date & Time	06/01/2026 15:00	Bid Validity Period (In Days)	75 After Technical cum Eligibility Bid Opening
Bid Validity Expiry Date	22/03/2026 15:30	Tender Notice Type	Standard Notice Tender

**Tender Inviting Authority Particulars**

Office Inviting Bids	EE - CED - I	Designation	Executive Engineer
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Address	Civil Construction Unit, 7th Floor, Pt. Deendayal Antyodaya Bhawan, CGO Complex, Lodhi Road New Delhi	Contact Details	9969617538
Email	eeced1ccu-mef@nic.in		

## EMD Details

EMD (INR)	EMD in favour of	Mode of Payment
₹ 24,670	Executive Engineer, CED-I, CCU, MoEF&CC, New Delhi-110003	DD,FDR,BC,BG

## Bid Openers

Department User Name	Region	Mobile Number	Email	Designation	Certificate serial No	Certificate Expiry
SANJAY KUMAR MEENA	EE - CED - I	9969617538	aecivilcpd@gmail.com	Executive Engineer	5b89003586e5	07/10/2027 01:07
Ranjan Kumar Swain	EE - CED - I	7838353293	ranjak.swain@gmail.com	Assistant Engineer	4b42cfb27684ef95	19/06/2027 15:54

## Tender Documents

S.No	File Name	File Description	File Size (in Bytes)	Uploaded Date
1	NIT1901.pdf	NIT1901	331590	29/12/2025 18:27
2	NIT1902.pdf	NIT1902	2067396	29/12/2025 18:29
3	Eligibility.pdf	Eligibility	547234	29/12/2025 18:29

## Mandatory Documents Details

S.No	Documents Required from Vendor	Document Type
1	Insurance Surety Bond, Demand Draft/ Account Payee Bankers Cheque / FDR/ Bank Guarantee of any commercial Bank against EMD.	Mandatory
2	Receipt for deposition of original Earnest Money Deposit (EMD) to any division office of CPWD/CCU in prescribed form.	Mandatory
3	Letter of transmittal.	Mandatory
4	PAN Card issued by Income Tax Department.	Mandatory
5	Certificate of Financial Turnover from CA (Form A)	Mandatory
6	Bankers certificate or Net worth (Form B and B-1)	Mandatory
7	Details of eligible similar nature of works (Form C)	Mandatory
8	Applicants Similar Work Experience.	Mandatory
9	GST registration Certificate, if already obtained by the bidder	Mandatory
10	Any other document as specified in the bid documents.	Mandatory

## Tender Covers

S.No	Cover Name	Bid Opening date	View Details
1	Technical cum Eligibility Bid	06/01/2026 15:30	View Action
2	Financial Bid	Financial Bid Date To be Decided Later	View Action

## Technical cum Eligibility Bid

S.No	Documents Required from Vendor
1	Work Experience Certificate
2	Certificate of financial turnover from CA
3	Net Worth
4	Details of works of similar class

## Financial Bid

S.No	File Name	File Size(in Bytes)
1	138080-PercentageComposite1.xls	61440

Done

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GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE  
CIVIL CONSTRUCTION UNIT

NIT No.: 19/e-NIT/EE/CED-I/CCU/2025-26

## **Notice Inviting e-Tender**

**Name of Work: - Detailed land survey using Total station survey (TSS) & DGPS of National Zoological Park, New Delhi.**

**Estimated Cost: - Rs. 12,33,490/-**

**EMD Cost: - Rs. 24,670/-**

**(December, 2025)**

ISSUED BY  
EXECUTIVE ENGINEER,  
CED-I, CCU, MoEF&CC

## INDEX

**Name of work:** Detailed land survey using Total station survey (TSS) & DGPS of National Zoological Park, New Delhi.

**NIT No.:** 19/e-NIT/EE/CED-I/CCU/2025-26

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This NIT contains 1 to 46 pages including this page.

Assistant Engineer (P)  
CED-I, CCU, New Delhi

NIT No. 19/e-NIT/EE/CED-I/CCU/2025-26 approved for Rs. 12,33,490/- (Rupees Twelve Lakh Thirty-Three Thousand Four Hundred Ninety Only) and containing pages 1 to 46.

Executive Engineer (C)  
CED-I, CCU, MoEF&CC  
New Delhi

# PART-A

## GENERAL INFORMATION

**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING  
FORMING PART OF BID DOCUMENT**

The Executive Engineer, CED-I, Civil Construction Unit (CCU), Ministry of Environment, Forest & Climate Change (MoEF&CC), 7th Floor, Pt. Deen Dayal Antyodaya Bhawan, CGO Complex, Lodhi Road, New Delhi-110003 on behalf of President of India invites online Percentage rate bids from approved and eligible specialized agencies for the following work in two bid system:-

S. No.	NIT No.	Name of work and location	Estimated cost put to tender	Earnest Money	Period of Completion	Last date & time of submission of bid, copy of receipt of deposition of original EMD, and other Documents as specified in NIT	Time & date of opening of bid
1	2	3	4	5	6	8	9
1	19/0-NIT/EE/CED-I/CCU/2025-26	Detailed land survey using Total station survey (TSS) & DGPS of National Zoological Park, New Delhi.	<b>Rs. 12,33,490/-</b>	<b>Rs. 10,870/-</b>	<b>75 Days</b>	<b>06.01.2026 upto 3:00 PM</b>	<b>06.01.2026 at 3:30 PM</b>

\* To be filled by the EE, CED-I, CCU.

- The intending Surveyors /Bidders must read the terms and conditions of NIT carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required. The specialized eligible agency/ surveyor who fulfils the following criteria shall be eligible to apply:
  - Should have satisfactorily completed the works as mentioned below during the last Seven years ending last day of the month previous to the one in which tenders are invited-



- (i) Three similar Survey works each costing not less than Rs. 4.94 Lakhs or two similar Survey works each costing not less than Rs. 7.40 Lakhs or one similar Survey work costing not less than Rs. 9.87 Lakhs.

"Similar Work" shall mean Detailed land survey using Total station survey (TSS) & DGPS for the minimum area of 100 acres land, all executed under one agreement".

**Note-1:** For this purpose, "Cost of work" shall mean gross value of the completed. This should be certified by an officer not below the rank of Executive Engineer / Project Manager or equivalent.

**In case the certificate of work experience has been issued by any Pvt. Firm / Agency / Builder, the bidders will have to submit the documentary proof of the TDS (Form -26AS) with income tax department to ensure actual value of work done.**

**The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to previous day of last date of submission of tenders.**

- b) Should have had Average Annual Financial Turnover of Rs. 3.70 Lakhs on Detailed land survey works during the last three years ending 31<sup>st</sup> March 2025 (Scanned copy of Certificate from CA with Unique Document Identification Number (UDIN) to be uploaded). The value of annual turnover figures shall be brought to the current value by enhancing the actual turnover figures at simple rate of 7% per annum.
- c) Should not have incurred any loss (profit after tax should be positive) in more than two years during the available last five consecutive balance sheets (standalone financial statement), ending 31<sup>st</sup> March 2025.
- d) Should have a Banker's Certificate from a commercial Bank for Rs. 4.94 Lakhs or Net Worth certificate of minimum Rs. 1.24 Lakhs issued by certified chartered accountant with UDIN (Scanned copy of original to be uploaded).
2. The enlistment/empanelment of the bidders should be valid on the last date of submission of bids. In case the last date of submission of bid is extended, the enlistment/empanelment of bidder should be valid on the original date of submission of bids.
3. This information and instructions for bidders posted on website shall form part of bid document.
4. The bid document consisting of the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website [www.stender.cpwd.gov.in](http://www.stender.cpwd.gov.in) free of cost.
5. The bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD/ CCU, MoEF&CC within the period of bid submission and uploading the mandatory scanned documents such as Insurance Security Bond, Account payee Demand draft or Banker's Cheque or Fixed Deposit Receipts or/ and Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of "Executive Engineer, CED-I, CCU, MoEF&CC, New Delhi", receipt for deposition of original EMD

to division office of any Executive Engineer (including NIT issuing EE/AE), CPWD/CCU, MoEF&CC and other documents as specified.

6. The intending bidder must have valid Class-III digital signature with encryption key (combo type) to perform any operations / transactions on the e-tendering portal / website and the bidder should download and install the eMSigner on their system as per instructions available on download section of <https://etender.cpwd.gov.in>.
7. Those surveyors who are not registered or have not updated their profile on the website mentioned above, are required to get registered / update their profile beforehand. The necessary training materials including the videos with step-to-step process are available on download section of <https://etender.cpwd.gov.in>.
8. On opening date, the surveyors can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
9. Bidders can upload documents in the form of JPG format and / or PDF format.
10. Bidders must ensure to quote rate in the prescribed column(s) meant for quoting rate in figures appears in yellow colour and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).

However, if a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

11. **The Affidavits as prescribed in the NIT are to be submitted on stamp papers duly attested by a Public Notary.**
12. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified surveyors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.

**13. List of Documents to be scanned and uploaded within the period of tender submission**

- (i) Insurance Surety Bond, Demand Draft/ Account Payee Banker's Cheque / FDR/ Bank Guarantee of any commercial Bank against EMD.
- (ii) Receipt for deposition of original Earnest Money Deposit (EMD) to any division office of CPWD/CCU in prescribed form.
- (iii) Letter of transmittal.
- (iv) PAN Card issued by Income Tax Department.
- (v) Certificate of Financial Turnover from CA (Form 'A').
- (vi) Banker's certificate or Net worth (Form 'B' and 'B-1').
- (vii) Details of eligible similar nature of works (Form 'C')
- (viii) Applicant's Similar Work Experience in Proforma along with user department certificates for work experience containing information desired for evaluation of bids. (In case of Survey works of private nature, other than Central/State Government/Central Autonomous Body/Central Public Sector undertaking/City Development Authority/Municipal Corporation of city), they shall be required to submit copy of Agreement & Final Bill and TDS certificates for Consultancy works issued by respective clients.
- (ix) GST registration Certificate, if already obtained by the bidder.

If the bidder has not obtained GST registration as applicable, then he shall scan and upload following undertaking along with bid documents.

"If work is awarded to me, I/we shall obtain GST registration certificate as applicable within one month from the date of receipt of award letter or before release of any payment by CCU, whichever is earlier, failing which I/we shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CCU or GST department in this regard".

- (x) Any other document as specified in the bid documents.

If any required document is not scanned and uploaded while submitting bid, the bid submitted shall become invalid and will not be considered in e-Tendering process and the bid shall be summarily rejected.

Executive Engineer, CED-I, CCU  
(For and on behalf of the President of India)

**CPWD-6 FOR E-TENDERING**

1. Item rate/percentage rate bids are invited on behalf of President of India from approved and eligible specialized agencies for the Work of "Detailed land survey using Total station survey (TSS) & DGPS of National Zoological Park, New Delhi."
- 1.1 The work is estimated to cost for Rs. **12,33,490/-**. This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7/8 (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website [www.cpwd.gov.in](http://www.cpwd.gov.in). Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The site for the work is available.
4. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website <http://etender.cpwd.gov.in> or [www.cpwd.gov.in](http://www.cpwd.gov.in) free of cost.
5. After submission of the bid the contractor can re-submit revised bid any number of times or withdraw it before last date and time of submission of bid as notified. No post-tender modification is allowed by the tenderers except through negotiations, if required. In case, any tenderer does so, the tender will be rejected and the tenderer will be debarred for future tendering in CPWD for two years by the concerned enlisting authority (in case of CPWD enlisted contractor) and by the concerned CE/SE (in case of non-enlisted contractor).
6. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
7. When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
8. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee including e- Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks (drawn in favour of Executive Engineer, CED-I, CCU, MoEF&CC, New Delhi) shall be scanned and uploaded on the e-Tendering website within the period of bid submission. The original EMD should be deposited



either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee including e- Bank Guarantee of any Commercial bank having validity for a period of 90 days for single bid works and 180 days for two bid system or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the notice inviting e- tender shall be scanned and uploaded on the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in e- tender notice shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, who's original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.

The bid submitted shall be opened at 03:30 PM on 06.01.2026.

9. The bid submitted shall become invalid and e-Tender processing fee (if applicable) shall not be refunded if:
- (i) The bidder is found ineligible.
  - (ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.
  - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
  - (iv) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

10. The contractor whose bid is accepted will be required to furnish performance guarantee 5% **(Five Percent)** of the tendered amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licences, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. If applicable and also ensure the compliance of aforesaid provisions by the subcontractors, if any engaged by the contractor for the said work within the period specified in Schedule F.

11. **The description of the work is as follows:**  
**"Detailed land survey using Total station survey (TSS) & DGPS of National Zoological Park, New Delhi."**

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

12. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
13. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.

14. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
15. The contractor shall not be permitted to bid for works in the CCU, MoEF&CC/ CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Housing and Urban Affairs. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
16. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
17. The bids for the work shall remain open for acceptance for a period of 30 (thirty) days from the date of opening of bids. Further
- (i) If any tenderer withdraws his tender within 7 days after last date and time (24 hours basis) of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
  - (ii) If any tenderer withdraws his tender after expiry of 7 days after last date and time (24 hours basis) of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
  - (iii) **Withdrawal of the tender, by the tenderer, shall only be made through e-tender portal. Any other method i.e. through letter / e-mail etc. shall not be considered.**
  - (iv) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.
18. The main contractor has to associate agencies for specialized component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer-in-Charge within prescribed time. Name of the agency(s) to be associated shall be



approved by Engineer-in-Charge.

19. In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-Charge. The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-Charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.
20. The main contractor has to enter into MoU with agency(s) associated by him/ Copy of such MoU shall be submitted to Engineer in charge. In case of change of associate contractor, the main agency(s) has to enter into MoU/agreement with the new contractor associated by him.
21. The intending bidders are required to update their profile in CPWD e- tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer/ Assistant Engineer (Phone no \*....., e- mail Id \*.....) or ERP helpline no. 18001803286 or e-mail id cpwd.support@techmahindra.com. The e- tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.
22. Price Preference to SC/ST individual contractor for item rate/percentage rate tender: Price preference in quoted item rate/percentage rate tender shall be applicable to the individual enlisted/non-enlisted SC/ST contractor as under-
  - (i) For work(s) upto and equal to an estimated cost of Rs. 2.70 lakh a price preference upto 5% (with reference to the lowest valid tender) may be allowed in favour of individual SC/ST enlisted/non-enlisted contractor. No earnest money is required in such case(s).
  - (ii) For work(s) beyond an estimated cost of Rs. 2.70 lakh and upto and equal to estimated cost of Rs. 6.20 lakh, the price preference upto 5% (with reference to the lowest valid tender) may be allowed in favour of individual enlisted SC/ST contractor. However, earnest money at a reduced rate of ¼% may be accepted in such cases.

The price preference upto 5% (with reference to the lowest valid price bid) may be allowed in favour of individual SC/ST contractor only. The above concession shall be allowed only after verification of the individual contractor's claim of belonging to SC/ST community.

\*To be filled in by NIT approving authority

Executive Engineer, CED-I, CCU  
(For and on behalf of the President of India)



**GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE CHANGE  
PERCENTAGE RATE BID AND CONTRACT FOR WORKS**

Tender for the work of "Detailed land survey using Total station survey (TSS) & DGPS of National Zoological Park, New Delhi."

- i) To be uploaded by 3:00 pm on 06.01.2026 to upload at
- ii) To be opened in presence of tenderers who may be present at 3:30 pm on 06.01.2026 in the office of in the office of the Executive Engineer, CED-I, CCU, New Delhi.

\*\* To be filled by EE

**TENDER**

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for acceptance for **Thirty (30) days** from the due date of its opening of bid and not to make any modifications in its terms and conditions.

A copy of earnest money deposit receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed) issued by a Commercial Bank, is scanned and uploaded. If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety and integrity of the State.

Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back-to-back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CCU, MoEF&CC in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety & integrity of the State.

Signature of contractor

Postal Address .....

Telephone No. ....

Fax .....

E-MAIL .....

Witness:

Address:

Occupation:

\*\* To be filled by Bidder

### ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs.....  
(Rupees.....  
.....)

The letters referred to below shall form part of this contract agreement: -

(a) .....\*

(b) .....\*

(c) .....\*

For & on behalf of President of India

Signature.....\*

Dated: .....\*

Designation .....\*

\* To be filled by Executive Engineer

**SCHEDULES (A to F)**  
(For Civil, Electrical & Mechanical Component)

**SCHEDULE 'A'**

Schedule of Quantities -

As per separate sheets attached

**SCHEDULE 'B'**

Schedule of materials to be issued to the contractor:

S. No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of issue
1	2	3	4	5
-----NIL-----				

**SCHEDULE 'C'**

Schedule of Tools and Plants to be hired to the contractor:

S. No.	Description	Hire charges per day	Place of issue
1	2	3	4
-----NIL-----			

**SCHEDULE 'D'**

Extra schedule for specific requirements/document for the work, if any:	As per tender documents
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**SCHEDULE 'E'**

Reference to General Conditions of contract	General Conditions of Contract 2023 for Maintenance works, Central Public Works Department, as amended up to last date of submission of bids.
Name of Work	<b>Detailed land survey using Total station survey (TSS) &amp; DGPS of National Zoological Park, New Delhi.</b>
Estimated cost of the work	<b>Rs. 12,33,490/-</b>
Earnest money	<b>Rs. 24,670/-</b>
Performance Guarantee	5.00% of tendered amount
Security Deposit	2.50% of tendered amount.

**SCHEDULE 'F'**

**GENERAL RULES AND DIRECTION**

Officer inviting tender	Executive Engineer, CED-I CCU, MoEF&CC, 7 <sup>th</sup> Floor, Pt. Deen Dayal Antyodaya Bhawan, CGO Complex, New Delhi-110003
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**Definitions:**

2(v)	Engineer-in-Charge (Major Component)	Executive Engineer, CED-I, CCU, MoEF&CC or his or his legal successor or Assignee thereof.
	Engineer-in-Charge (Minor Component)	Executive Engineer, CED-I, CCU, MoEF&CC or his or his legal successor or Assignee thereof.

2(viii)	Accepting Authority	Executive Engineer, CED-I, CCU, MoEF&CC or his or his legal successor or Assignee thereof.
2(x)	Percentage on cost of materials and labour to cover all overheads and profits	7.5% for items of supply of materials and 15% for execution of items
2(xi)	Standard Schedule of Rates	
	Civil Works	DSR-2023-Corrected up-to last date of submission of bid (for civil work volume I & II)  DAR-2023-Corrected up-to last date of submission of bid (for civil work volume I & II)
	Electrical & Mechanical Works	DSR-2022/ DSR-2025 Vol-II with up-to-date correction slips issued upto last date of submission of bids & Market rates
2(xii)	Department:	Civil Construction Unit, MoEF&CC
9(ii)	Standard CPWD Contract Form	CPWD Form 7 of General Conditions of Contract 2023 for Maintenance works, Central Public Works Department, as modified and corrected up to last date of submission of bids.

<b>Clause 1</b>		
i)	Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance	7 Days
ii)	Maximum allowable extension with late fee @0.1% per day of Performance Guarantee amount beyond the period as provided in i) above	3 Days
<b>Clause 2</b>	Authority for fixing Compensation under Clause 2	Superintending Engineer, CCU, MoEF&CC. or successor thereof.
<b>Clause 5</b>	Number of days from the date of issue of letter of acceptance for reckoning date of start	7 Days



**Mile stones as per table given below**

Sl. No.	Description of mile stone (s)	Time allowed (From date of start)	Amount to be withheld in case of Non-achievement of each Mile stone(s)
1	Work done amounting to 25% of accepted tender amount (Civil + Electrical)	30 Days	1.25% of accepted tendered amount.
2	Work done amounting to 50% of accepted tender amount (Civil + Electrical).	60 Days	1.25 % of accepted tendered amount.
3	Work done amounting to 75% of accepted tender amount (Civil + Electrical).	90 Days	1.25 % of accepted tendered amount.
4	Work done amounting to 100% of accepted tender amount (Civil + Electrical).	120 Days	1.25 % of accepted tendered amount.

**Time allowed for execution of work:** 75 Days

**Authority to decide:**

i)	Authority to convey the decision of shifting of milestone and extension of time:	Executive Engineer, CED-I, Civil Construction Unit (CCU), Ministry of Environment, Forest & Climate Change (MoEF&CC), CGO Complex, Lodhi Road, New Delhi -110003 or his legal successor or Assignee thereof
ii)	Authority to decide rescheduling of mile stones and extension of time.	Superintending Engineer, Civil Construction Unit (CCU), MoEF&CC, CGO Complex, Lodhi Road, New Delhi -110003 or his legal successor or Assignee thereof.
iii)	Shifting of date of start in case of delay in handing over of site	Superintending Engineer, Civil Construction Unit (CCU), MoEF&CC, CGO Complex, Lodhi Road, New Delhi -110003 or his legal successor or Assignee thereof.

**Schedule of handing over of site**

Part	Portion of site	Time period for handing over reckoned from date of issue of letter of intent
Part A	Portion without any hindrance	On date of commencement
Part B	Portions with encumbrances	NA

Part C	Portions dependent on work of other agencies	NA
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**CLAUSE 5.4:** Schedule of rate of recovery for delay in submission of the modified programme in terms of delay days

S.N.	Contract Value	Recovery Rs / Per day
1.	Less than or equal to Rs. 1 crore	500

**Clause 6:** Computerised Measure Book (CMB) / Electronic Measurement Book (EMB)

i)	Mode of measurement	CMB
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**Clause 7**

Gross work to be done together with net payment/ adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment	NA
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**Clause 7A**

No Running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable as submitted by the Bidder to the Engineer-in-Charge.	NA
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**Clause 10 A**

List of testing equipment to be provided by the contractor at site lab.

As per details attached in the relevant pages of this bid document

**Clause 10 B**

Clause 10B (ii)	
Whether Clause 10 B (ii) shall be applicable	No

**Clause 10 C- Not Applicable**

**Clause 10CA – Not Applicable**

**Clause 10CC – Not Applicable**

**Clause 11 :**

Specifications to be followed for execution of: civil work	CPWD Specifications 2019 Volume-I and II with correction slips issued upto last date of submission of bids
Specifications to be followed for execution of: Electrical & Mechanical Works	CPWD Specifications for Electrical Work: Part-I (internal)-2023, Part-II (external)-2023, HVAC works-2017, Part-IV (Substations)-2013, Part-V (Wet-riser) & sprinkler system)-2020, Part-VI (Fire alarm system)-2018, Part-VIII (Gas-based fire extinguisher system)-2013 and as amended up to correction slips.

**Clause 12:-**

Type of Work:	Maintenance Work	
The completion cost of shall, in no case, exceed 1.5 times the contract amount and governed as per DG CPWD Memorandum No. DG-CON/Maintenance 2023/03 dated 18.12.2023.		
Authority to decided deviation upto 1.25 times of tendered amount	Engineer-in-Charge	
Authority to decided deviation beyond 1.25 times & 1.50 times of tendered amount	SE/ CE, CCU, MoEF&CC, New Delhi	
12.2. & 12.3	Deviation limit beyond which clauses 12.2 & 12.3 shall apply for building work.	No Limit (All deviated quantities shall be paid on agreement rates)

**Clause 16:-**

Competent authority for deciding reduced rates	: Superintending Engineer, CCU, MoEF&CC or his legal successor or Assignee thereof
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**Clause 18:-**

List of Mandatory Machinery, tools & plants to be deployed by the contractor at site:-

-NA-
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**Clause 19**

Clause 19 C	Authority to decide penalty for each default	Executive Engineer, CED-I, CCU, MoEF&CC or his legal successor or Assignee thereof
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<b>Clause 19 D</b>	Authority to decide penalty for each default	Executive Engineer, CED-I, CCU, MoEF&CC or his legal successor or Assignee thereof
<b>Clause 19 G</b>	Authority to decide penalty for each default	Executive Engineer, CED-I, CCU, MoEF&CC or his legal successor or Assignee thereof
<b>Clause 19 K</b>	Authority to decide penalty for each default	Executive Engineer, CED-I, CCU, MoEF&CC or his legal successor or Assignee thereof

**Clause 25: Settlement of disputes by Conciliation and Arbitration**

Conciliator:	:	SE, CCU, MoEF&CC or his legal successor or Assignee thereof
Arbitrator Appointing Authority	:	Chief Engineer, CCU, MoEF&CC or his legal successor or Assignee thereof
Place of Arbitration	:	Delhi

**Clause 32 : Requirement of Technical Representative(s) and Recovery Rate N/A**

Sl. No.	Minimum Qualification of Technical Representative	Discipline	Designation	Minimum experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i)
-Nil-						

**STAGE PAYMENT SCHEDULE: -**

S.N.	Description	Fee Payable % of total fee	
		For each stage	Cumulative
<b>A</b>	<b>PRELIMINARY DESIGN STAGE</b>		
1	Submission/ acceptance of Draft Survey Report along with Digital Data and Charts.	40%	40%
2	Submission of final survey report along with digital data and charts.	10%	50%
3	Acceptance/ approval of final survey report along with calculations by user department.	50%	100%

## SCOPE OF WORK FOR FIELD SURVEY

Carrying out "Detailed land survey using Total station survey (TSS) & DGPS of National Zoological Park, New Delhi." activities required for conducting a detailed land survey for NZP. Identify and demarcate the all-boundary line, encroached area..... (physical occupation of NZP and encroached area if any).

1. Purpose of survey: -
  - i) To identify the structures, building, boundaries, width of carriage ways, footpath, service road, Lamp post electric poles, main hole, trees, bridges, culverts, headwall (with material/ parking area).
  - ii) To determine the accurate ground levels and generate required contour maps.
2. Survey Area: -
  - i) The survey shall cover the complete allocated land (including area which are yet to be handed over to NZP) as L&DO map provided by CCU/NZP authority.
  - ii) Additional area may be surveyed if require as instructed by client or Engineer-in-charge.
3. Scope of Services: -
  - i) Establish primary control using DGPS/ RTK GNSS techniques.
  - ii) Establish secondary control points for traversing and local detailing.
  - iii) All control shall be referenced to WGS-84 Datum/ UTM Projection or as per client requirement.
  - iv) Establish level and terrain levels at interval along features, contour grid (5.00mx5.00m) break lines (ridges, kerbs and change in gradient), building floor level, retaining structure (with height and material). Top and bottom of embankment and banks, Building and structure footprints, External walls, Boundary wall, Fence, railing (with height and material), Bridge, culvert, headwall (with height and material), hard landscape and public realm, Road, Pathway (with upstand height)(paving/ surfacing type and extents), Parking area and marking, Bollards, bench, light pole, signage and other features, soft land scape & Ecology relevant feature.
4. Topographical Survey: -
  - i) Capture all visible and relevant features such as roads, CC paths, tracks, water bodies, vegetation, fencing, poles, utilities, structures and boundary marks, railway line, lamp post, main hole and tree.
  - ii) Include any seasonal or temporary features relevant for planning.
5. Contour survey: -
  - i) Collect ground levels on a suitable grid (5x5m or 10x10m as per client instructions).
  - ii) Generate contour line at 5x5m or 10x10m interval
6. Data Processing & Deliverables: -
  - i) Process raw data using industry-standard software such as AutoCAD, Civil 3D, GIS or equivalent.
7. Deliverables shall includes: -
  - i) Topographical Plan showing all features.
  - ii) Contour Map with benchmarks and control points.
  - iii) Coordinate list of all control points and benchmarks.
  - iv) Methodology and Accuracy Report
  - v) Drawings in DWG, AutoCAD, PDF, GEO Coordinate (Kml File)
8. Equipment & standards: -
  - i) Survey to be carried out using owned and calibrated instruments including: -
    - DGPS/ RTK GNSS receivers.
    - Total Station.
    - Auto Level/ Digital Level.
  - ii) Work shall meet applicable National Survey Standards and client specifications.
9. Final Submission: -
  - i) Submit all drawings, reports and data in both soft (AutoCAD format, PDF, Kml) and hard copy formats (in 03 sets)
  - ii) Ensure accurate submission as per requirement of Engineer-in-charge.

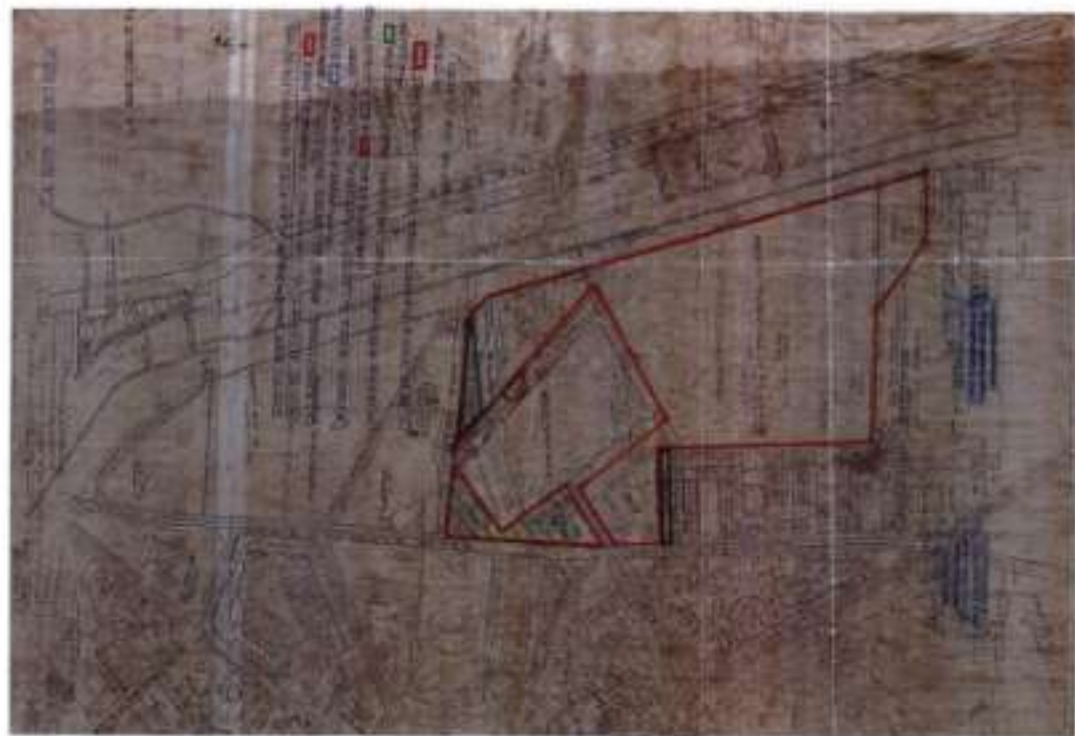


REF: L/16/14/1

AREA ALIGNED TO BOUNDARY (MSE) FROM THE RED A-1000  
T-1000

*[Signature]*  
Director  
of the Department  
of the Environment  
& Planning

*[Signature]*  
Director  
of the Department  
of the Environment  
& Planning



**PROFORMA FOR THE RECEIPT TO BE ISSUED BY THE EXECUTIVE ENGINEER  
RECEIVING THE EMD**

Receipt of deposition of original EMD (drawn in favour of Executive Engineer, CED-I, CCU, MoEF&CC, New Delhi) (Receipt No. .... / Date.....)	
Name of work	Detailed land survey using Total station survey (TSS) & DGPS of National Zoological Park, New Delhi.
NIT No	19/e-NIT/EE/CED-I/CCU/2025-26
Estimated Cost	Rs. 12,33,490/-
Amount of Earnest Money Deposit	Rs. 24,670/-
Last date of submission of bid	06.01.2026
To be filled by EMD receiving Executive Engineer	
Name of contractor	
Form of EMD	
Amount of Earnest Money Deposit	
Date of Submission of EMD	
	(Signature) Name and Designation of EMD receiving officer (EE/AE(P)/AO/AAO) along with office stamp



(On non-judicial stamp paper of minimum Rs. 100)

(Guarantee offered by Bank to CCU, MoEF&amp;CC in connection with the execution of contracts)

**Form of Bank Guarantee for Earnest Money/Performance Guarantee/Security Deposit**

Whereas The Executive Engineer, CED-I, Civil Construction Unit (CCU), Ministry of Environment, Forest & Climate Change (MoEF&CC), 7th Floor, Pt. Deen Dayal Antyodaya Bhawan, CGO Complex, Lodhi Road, New Delhi-110003 on behalf of the President of India (here in after called "The Government") has invited bids under NIT Number 19/e-NIT/EE/CED-I/CCU/2025-26 for "Detailed land survey using Total station survey (TSS) & DGPS of National Zoological Park, New Delhi. "

The Government has further agreed to accept irrevocable Bank Guarantee for Rs ..... (Rupees ..... only) valid upto ..... (date)\* ..... as Earnest Money from ..... (name and address of contractor) ..... (hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

OR\*\*

Whereas The Executive Engineer, CED-I, Civil Construction Unit (CCU), Ministry of Environment, Forest & Climate Change (MoEF&CC), 7th Floor, Pt. Deen Dayal Antyodaya Bhawan, CGO Complex, Lodhi Road, New Delhi-110003 on behalf of the President of India (hereinafter called "The Government") has entered into an agreement bearing number ..... with ..... (Name and address of the contractor) ..... (hereinafter called "the Contractor") for execution of work ..... (name of work) ..... The Government has further agreed to accept an irrevocable Bank Guarantee for Rs ..... (Rupees ..... only) valid upto ..... (date) ..... as Performance Guarantee/Security Deposit/Mobilization Advance from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

- 1) We ..... (Indicate the name of the bank) ..... (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs ..... (Rupees ..... only) on demand by the Government within 10 days of the demand.
- 2) We ..... (Indicate the name of the Bank) ..... do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. .... (Rupees ..... only).
- 3) We ..... (indicate the name of the Bank) ....., further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the contractor shall have no claim against us for making such payment.
- 4) We ..... (indicate the name of the Bank) ..... further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any

such variation or extension being granted to the said contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

- 5) We ..... (indicate the name of the Bank) ..... further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.
- 6) This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
- 7) We ..... (indicate the name of the Bank) ..... undertake not to revoke this guarantee except with the consent of the Government in writing.
- 8) This Bank Guarantee shall be valid up to ..... unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs ..... (Rupees ..... only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date.....

Witnesses:

1. Signature.....

Name and address

Authorized signatory

Name

Designation

Staff code no.

Bank seal

2. Signature .....

Name and address

\*Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.

\*In paragraph-1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance, as the case may be.



## **ADDITIONAL CONDITIONS**

### **1. GENERAL**

- 1.1. The Contractors are advised to inspect and examine the site and its surroundings and satisfy themselves with the nature of site, the means of access to the site, the constraints of space for stacking material / machinery, labour etc., constraints put by local regulations (if any), weather conditions at site (rainfall, snowfall, winter/summer temperatures etc.), general ground / subsoil conditions etc. or any other circumstances which may affect or influence their tenders. No claims, whatsoever, shall be entertained at a later date for any errors found, on plea that the information supplied by the Department in the tender is insufficient or is at variance with the actual site conditions.
- 1.2. The work shall generally be carried out in accordance with the "CPWD Specifications 2019 Vol. I & II" with correction slips up to last date of submission of bid (including any extension in last date of bid submission), additional/Particular Specifications, Architectural/Structural drawings and as per instructions of Engineer-in-Charge. Any additional item of work, if taken up subsequently, shall also conform to the relevant specifications mentioned above.
- 1.3. The several documents forming the tender are to be taken as mutually complementary to each other. Detailed drawings shall be followed in preference to small scale drawings and figured dimensions in preference to scale dimensions. Between two or more Clauses of this Contract, the provisions of a specific Clause relevant to the issue under consideration shall prevail over those in other Clauses.
- 1.4. The work shall be carried out in accordance with the Architectural drawings and Structural drawings, to be issued by the Engineer-in-Charge. Before commencement of any item of work, the contractor shall correlate all the relevant architectural, structural and services drawings issued for the work and satisfy himself that the information available there from is complete and unambiguous. The discrepancy, if any, shall be brought to the notice of the Engineer-in-Charge before execution of the work. The contractor alone shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and or incomplete information.
- 1.5. Should there be any difference or discrepancy between the description of items as given in the particular specifications for individual items of work, special conditions and I.S. Codes, drawings etc., the following order of preference shall be observed-
  - (i) Nomenclature of items as per Schedule of Quantities
  - (ii) Special/Additional Conditions
  - (iii) Particular Specifications
  - (iv) Architectural/Structural drawings
  - (v) CPWD Specifications including upto date correction slips.
  - (vi) CPWD General Conditions of Contract (2023) for Maintenance works including correction slips issued up to last date of submission of bid including extensions if any.
  - (vii) Indian Standards Specifications of B.I.S.
  - (viii) ASTM, BS, or other foreign origin code mentioned in tender document.
  - (ix) Manufacturer's specifications and as decided by the Engineer-in-Charge.
  - (x) Sound Engineering practices or well-established local construction practices.
- 1.6. A reference made to any Indian Standard Specifications in these documents, shall imply to the latest version of that standard, including such revisions / amendments as issued by the Bureau of Indian Standards up to last date of receipt of tenders. The Contractor shall keep at his own cost all such publications of relevant Indian Standard applicable to the work at site.
- 1.7. The tenderer shall acquaint himself with the proposed site of work, its approach roads, working space available etc. before quoting his rates and no claim on this account shall be entertained by the department.

- 1.8. The contractor will not be allowed to construct labour huts in the National Zoological Park. The contractor has to make arrangement for labour huts outside National Zoological Park at his own cost. Nothing extra shall be paid on this account.
- 1.9. The personal vehicle of contractor shall not be allowed in the Zoo premises.
- 1.10. The contractor will guide his workers regarding guidelines of Zoo authority for safety & security of Zoo Animals. It is the sole responsibility of the contractor in case of any mis-happening or harm to Zoo Animals by his workers.
- 1.11. The contractor shall keep the site neat & clean during execution of the work and cover the building materials with cloths. In case of any mis-happening with visitors or animals due to scattered materials / malba at his site the contractor shall be held responsible for the same.
- 1.12. In case of any fine imposed by Zoo authorities due to scattered malba / building materials or any harm to Zoo animals due to malba / materials or by worker of the contractor the same shall be paid by contractor within prescribed period otherwise same shall be recovered from the bills or securities / performance guarantee of the contractor.
- 1.13. The contractor(s) shall get himself acquainted with nature and extent of the work and satisfy himself about the availability of materials from kiln or approved quarries for collection and conveyance of materials required for construction.
- 1.14. Any legal or financial implications resulting out of disposal of earth shall be sole responsibility of the contractor. Nothing extra shall be paid on this account.
- 1.15. The contractor(s) shall give to the local body, police and other authorities all necessary notices etc. that may be required by law and obtain all requisite licenses for temporary obstructions, enclosures etc. and pay all fee, taxes and charges which may be levied on account of these operations in executing the contract.
- 1.16. The contractor shall ensure that there is no damage to adjoining property. If any such untoward incident happens, he shall be entirely responsible for any consequences besides making good any damages to the adjoining property whether public or private. He shall supply and maintain lights either for illumination or for cautioning the public at night.
- 1.17. The building work shall be carried out in the manner complying in all respects with the requirements of the relevant bylaws and regulations of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-charge and nothing extra shall be paid on this account.
- 1.18. The contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants or occupiers of adjacent properties and to the public in general and to prevent any damage to such properties and any pollution of smoke, streams and water-ways. He shall make good at his cost and to the satisfaction of the Engineer-in-Charge, any damage to roads, paths, cross drainage works or public or private property whatsoever caused thereon by the contractor. All waste or superfluous materials shall be carried away by the contractor without any reservation entirely to the satisfaction of the Engineer-in-Charge.
- 1.19. Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbances as far as possible is caused to the occupants / users of building/adjacent properties.



- 1.20. Other agencies may also simultaneously execute and install the works of other civil and E&M services for the work. The contractor shall afford necessary facilities for the same. The contractor shall leave such recesses, holes, openings, trenches etc. as may be required for such related works and the contractor shall fix the same at time of casting of concrete, stone work and brick work, if required, and nothing extra shall be payable on this account.
- 1.21. The contractor shall conduct work so as not to interfere with or hinder the progress or completion of the work being performed by other contractor(s) or by the Engineer-in-Charge and shall as far as possible arrange his work and shall place and dispose of the materials being used or removed so as not to interfere with the operations of other contractor or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of others.
- 1.22. Some restrictions may be imposed by the security agencies /client on the working and on movement of labour, materials etc. in the campus/site and may require to issue identity cards to all persons authorized by contractor to do work / visit the work site. The contractor shall be bound to follow all such restrictions / instructions and no claim whatsoever shall on this account will be entertained. The loss of time on this account, if any, shall have to be made up by generating additional resources etc. at no extra cost.
- 1.23. The rates quoted by the contractor are deemed to be inclusive of site clearance, setting out work, profile, establishment of reference bench mark, spot levels, construction of all safety and protection devices, barriers, earth embankments, preparatory works, all testing of materials, working during monsoon, working at all depths, height and locations etc. unless specified in the schedule of quantities.
- 1.24. Royalty at the prevailing rates wherever payable shall have to be paid by the contractor on the boulders, metal, shingle, sand, local earth/soil and bajri etc. or any other material collected by him for the work direct to revenue authorities and nothing extra shall be paid by the department for the same.
- 1.25. No payment shall be made for any damage caused by rain, snowfall, flood or any other natural calamity, whatsoever during the execution of the work. The contractor shall be fully responsible for any damage to the govt. property and work for which the payment has been advanced to him under the contract and he shall make good the same at his risk and cost. The contractor shall be fully responsible for safety and security of his material, T&P, Machinery brought to the site by him.
- 1.26. The contractor shall deploy adequate resources e.g. manpower, labour, T&P, Plant & Equipment etc. as per actual requirement of work.
- 1.27. The rates for all items of work shall, unless clearly specified otherwise, include cost of all labour, material, tools and plants and other inputs including all heights/depths, leads and carriages involved in the execution of the item.
- 1.28. The Contractor shall keep himself fully informed of all acts/laws of the Central/State/Local Governments, orders of central/state/local Government, decrees of statutory bodies, tribunals having any jurisdiction or authority, which in any manner may affect those engaged or employed and anything related to carrying out the work. All the rules & regulations and bye-laws laid down by Collector / Municipal Corporation of area (where site is located) and any other statutory bodies shall be adhered to, by the contractor, during the execution of work. The Contractor shall also adhere to all traffic restrictions notified by the national/state/local authorities. The contractor shall abide and ensure compliances to terms and conditions of various approvals obtained for the project. He shall protect and indemnify the Department and its officials & employees against any claim and /or liability arising out of violations of any such laws, ordinances, orders, decrees, by himself or by his employees or his authorized representatives. The Contractor shall indemnify the Department against all claims in respect of patent rights, royalties, design, trademarks, of name or other protected rights, damages to adjacent buildings, roads or members of public, in course of execution of work.

or any other reasons whatsoever, and shall himself defend all actions arising from such claims and shall indemnify the Department in all respect from such actions, costs and expenses. Nothing extra shall be payable on this account.

- 1.29. The fee payable to statutory authorities for obtaining the various permanent service connections and occupancy certificate for the building shall be borne by the Department.
- 1.30. The rates for all items shall be considered as inclusive of pumping/baling out water, if necessary, for which no extra payment shall be made. The conditions shall be considered to include water from any source such as inflow of flood, rain water, surface drainage, sewerage or due to any other reason including surface and sub-soil water etc. and shall apply to the execution in any season.
- 1.31. Unless otherwise specified in the schedule of quantities, the rates tendered by the contractor shall be inclusive of all costs & taxes and shall apply to all leads, lifts, depth and height and nothing extra shall be payable on this account.
- 1.32. No foreign exchange shall be made available by the Department for importing (purchase) of equipment, plants, machinery, materials of any kind or any other items required to be carried out during execution of the work. No delay and no claim of any kind shall be entertained from the Contractor, on account of variation in the foreign exchange rate.
- 1.33. All ancillary and incidental facilities required for execution of work like labour camp, stores, fabrication yard, offices for Contractor, watch and ward, temporary ramp required to be made for working at the basement level, temporary structure for plants and machineries, temporary barricading or fencing around the working sites, water storage tanks, installation and consumption charges of temporary electricity, telephone, water etc. required for execution of the work, protection works, testing facilities / laboratory at site of work, facilities for all field tests and for taking samples etc. during execution or any other activity which is necessary (for execution of work and as directed by Engineer-in-Charge), shall be deemed to be included in rates quoted by the Contractor. Nothing extra shall be payable on these accounts. Before start of the work, the Contractor shall submit to the Engineer-in-Charge, a site / construction yard layout, specifying areas for construction, site office, positioning of machinery, material yard, cement & other storage, fabrication yard, site laboratory, water tank etc. for approval.
- 1.34. For completing the work in time, the Contractor might be required to work in two or more shifts (including night shifts). Normally contractors shall not be allowed to execute the RCC, electrical and finishing work at night. Work at night shall, however, be allowed if the site conditions/circumstances so demand. No claim whatsoever shall be entertained on this account, not with-standing the fact that the contractor may have to pay extra amounts for any reason, to the labours and other staff engaged directly or indirectly on the work according to the provisions of the labour Act and other statutory bodies regulations and the agreement entered upon by the contractor with them.
- 1.35. The contractor shall maintain in perfect condition, all portions executed till completion of the entire work allotted to him. Where however phased delivery of work is contemplated these provisions shall apply separately to each phase.
- 1.36. All material shall only be brought at site as per program finalized with the Engineer-in-Charge. Any pre-delivery of the material not required for immediate consumption shall not be accepted and thus not paid for.
- 1.37. The contractor(s) shall take instructions from the Engineer-in-Charge regarding collection and stacking of materials at any place. No excavated earth or building rubbish shall be stacked on areas where other



buildings, roads, services and compound walls are to be constructed. The stacking shall take place as per stacking plan however, if any change is required, the same shall be done with the approval of Engineer-in-Charge.

- 1.38. The Contractor shall bear all incidental charges for all type of cartage/carriage upto execution site, storage and safe custody of materials issued by department/arranged by the contractor.
- 1.39. The terms machine batched, machine mixed and machine vibrated concrete used elsewhere in agreement shall mean the concrete produced in concrete batching and mixing plant and if necessary, transported by transit concrete mixers, placed in position by the concrete pumps, tower crane and vibrated by surface vibrator /needle vibrator / plate vibrator, as the case may be to achieve required strength and durability.
- 1.40. The work should be planned in a systematic manner so that chase cuttings in the walls, ceilings and floors are minimized. Wherever absolutely essential, the chase shall be cut using chase cutting machines. Chases will not be allowed to be cut using hammer / chisel. The electrical boxes should be fixed in walls simultaneously while raising the brick work. The contractor shall ensure proper coordination of various disciplines viz. sanitary & water supply, electrical, fire- fighting and any other services.
- 1.41. In case of local Municipal regulations / restrictions by client /non-availability space at site if huts for labours are not allowed to be erected at the site of work, the contractor shall be required to provide such accommodation at suitable place at his own cost and nothing extra shall be paid on this account.
- 1.42. Any cement slurry added over base surface for continuation of concreting for better bond is deemed to have been built in the items and nothing extra shall be payable and no extra cement considered in consumption on this account.
- 1.43. Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar service encountered in the course of the execution of work shall be protected against the damage by the contractor at his own expense. In case the same are to be removed and diverted. The same shall be payable to the contractor. The contractor shall work out the cost and the same shall be approved by Engineer-in-Charge. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.
- 1.44. The contractor shall be responsible for the watch and ward / guard of the buildings safety, fittings and fixtures provided by him against pilferage and breakage during the period of installations and thereafter till the building is physically handed over to the department. No extra payment shall be made on this account.
- 1.45. **SETTING OUT:**
  - (i) The contractor shall carry out survey of the work area, setting out the layout and fixing of alignment of the building as per architectural and Structural drawings in consultation with the Engineer-in-Charge and proceed further ensuring full structural continuity and integrated and monolithic construction. Any discrepancy between the architectural drawings and actual layout at site shall be brought to the notice of the Engineer-in-charge. It shall be responsibility of the contractor to ensure correct setting out of alignment/layout using total station instrument. Nothing extra shall be payable on this account.
  - (ii) The contractor shall establish, maintain and assume responsibility for grades, lines, levels and bench marks. He shall report any errors or inconsistencies regarding grades, lines, levels, dimensions to the Engineer-in-Charge before commencing work. Commencement of work shall be regarded as the contractor's acceptance of such grades, lines, levels and dimensions and no claim shall be entertained at a later date for any errors found.

- (iii) The initial levels shown in the layout plan are indicative and the actual ground levels may vary with the levels shown in the layout plan. Though the site levels are indicated in the drawings the Contractor shall ascertain and confirm the site levels with respect to benchmark from the concerned authorities. No claim due to difference in ground levels as per layout plan and as per actual on ground shall be entertained.
- (iv) If at any time, any error appears due to grades, lines, levels and benchmarks during the progress of the work, the Contractor shall, at his own expense rectify such error, if so required, to the satisfaction of the Engineer -in-Charge. Nothing extra shall be payable on this account.
- (v) The Contractor shall protect and maintain temporary/ permanent benchmarks at the site of work throughout the execution of work. These benchmarks shall be got checked by the Engineer-in-Charge or his authorized representatives. The work at different stages shall be checked with reference to bench marks maintained for the said purpose. Nothing extra shall be payable on this account.
- (vi) The approval by the Engineer-in-Charge, of the setting out by the Contractor, shall not relieve the Contractor of any of his responsibilities and obligation to rectify the errors/ defects, if any, which may be found at any stage during the progress of the work or after the completion of the work.

#### 1.46. SAFETY PRECAUTIONS

- (i) Contractor shall within two weeks of award of work, submit to the Engineer-in-Charge for his approval, list of measures for maintaining safety of manpower deployed for construction.
- (ii) The contractor(s) shall erect the barricading of required height with Precoated galvanized iron profile sheet/MS sheets with proper structural support for enclosing the full area of constructions as per direction of Engineer-in-charge.
- (iii) *Entry to the site shall be controlled for proper security of man and materials and to avoid accidents.*
- (iv) Necessary personal protective and safety equipment's such as helmet, safety shoes & harness, gloves etc. shall be provided to the all-site Engineers, Supervisory staff, labour and technical staff of the contractor by the Contractor at his own cost and to be used at site.
- (v) The Contractor(s) shall take all precautions to avoid accidents by exhibiting necessary caution boards, day & night speed limit boards, red flags, red lights and providing barriers. He shall be responsible for all damages and accidents caused to existing/new work due to negligence on his part. No hindrances shall be caused to traffic during the execution of the work.
- (vi) In case of any accident of labours/ contractual staff's the entire responsibility will rest on the part of the contractor and any compensation under such circumstances if becomes payable the same shall be entirely borne by the contractor and department shall have no role on this account.
- (vii) It shall be ensured by the contractor that no electric live wire is left exposed or unattended to avoid any accidents in this regard.
- (viii) Any trenching and digging for laying sewer lines/water lines/cables etc. shall be commenced by the contractor only when all men, machineries and materials have been arranged and closing of the trench(s) thereafter shall be ensured within the least possible time.
- (ix) For facia work, outer finishing and other RCC works etc. double steel scaffolding having two sets of vertical supports with steel staircase for inspection of works by engineer in charge shall be used. The supports shall be sound and strong, tied together with horizontal piece over which scaffolding planks shall be fixed.
- (x) *The contractor shall have to work in pandemic / epidemic conditions such as COVID 19 for*



*which he has to make safety arrangement / measures for the workers / staff and for the premises meant for them, as per guidelines issued by Government and directions issued by Engineer-in-charge from time to time and nothing extra shall be paid on this account.*

#### **1.47. QUALITY ASSURANCE**

- (i) The contractor shall ensure quality work in a planned and time bound manner. Any sub-standard material/work beyond set out tolerance limit shall be summarily rejected by the Engineer-in-charge & contractor shall be bound to replace / remove such sub-standard / defective work immediately. If any material, even though approved by Engineer-In-Charge is found defective or not conforming to specifications shall be replaced / removed by the contractor at his own risk & cost.
- (ii) All materials and fittings brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-charge which shall be preserved till the completion of the work. If a particular brand of material is specified in the particular specification, the same shall be used after getting the same approved from Engineer-In-Charge. Wherever brand / quality of material are not specified in the particular specifications; the contractor shall submit the sample as per list of preferred make given in tender documents. For all other items, materials and fittings of ISI Marked shall be used with the approval of Engineer-In-Charge. Wherever ISI Marked material / fittings are not available, the contractor shall submit samples of materials / fittings manufactured by firms of repute conforming to relevant specifications or IS codes and use the same only after getting the approval of Engineer-In-Charge.
- (iii) The Contractor shall procure and provide all the materials from the manufacturers / suppliers as per the item description in schedule of quantity and particular specifications for the work. The equivalent brand other than brand / make mentioned in particular specification for any item, shall be permitted to be used in the work, only when the specified make is not available. This is, however, subject to documentary evidence produced by the contractor for non-availability of the brand specified and also subject to independent verification by the Engineer-in-Charge. In exceptional cases, where such approval is required, the decision of Engineer-in-Charge as regards equivalent make of the material shall be final and binding on the Contractor. No claim, whatsoever, of any kind shall be entertained from the Contractor on this account. Nothing extra shall be payable on this account. Also, the material shall be procured only after written approval of the Engineer-in-Charge.
- (iv) Water tanks, taps, sanitary, water supply and drainage pipes, fittings and accessories should conform to byelaws and municipal body / corporation where CPWD Specifications are not available. The contractor should engage licensed plumbers for the work and get the materials (fixtures/fittings) tested by the Municipal Body/Corporation authorities wherever required at his own cost. Nothing extra shall be paid on this account.
- (v) The tests, as necessary, shall be conducted in the laboratory approved by the Engineer-in-Charge. The samples shall be taken for carrying out all or any of the tests stipulated in the particular specifications and as directed by the Engineer-in-Charge or his authorized representative.
- (vi) All the registers of tests (carried out at Site or in outside laboratories) and all material at site (MAS) registers including cement register shall be maintained by the contractor which shall be issued to the contractor by Engineer-in-charge. All the entries in the registers will be made by the designated Engineering Staff of the contractor and same should be regularly reviewed by JE/AE/AEE/EE. Contractor shall be responsible for safe custody of all the registers.

- (vii) The Contractor shall at his own risk and cost make all arrangements and shall provide all such facilities including material and labour, the Engineer-in-Charge may require for collecting, preparing, forwarding the required number of samples for testing as per the frequency of test stipulated in the contract specifications or as considered necessary by the Engineer-in-Charge, at such time and to such places, as directed by the Engineer-in-Charge. Nothing extra shall be payable for the above.
- (viii) The Contractor or his authorized representative shall associate in collection, preparation, forwarding and testing of such samples. In case he or his authorized representative is not present or does not associate him, the result of such tests and consequences thereon shall be binding on the Contractor. The Contractor or his authorized representative shall remain in contact with the Engineer-in-Charge or his authorized representative associated for all such operations. No claim of payment or claim of any other kind, whatsoever, shall be entertained from the Contractor.
- (ix) All the testing charges shall be borne by contractor.
- (x) All the hidden items such as water supply lines, drainage pipes, electrical conduits, sewers etc. are to be properly tested as per the design conditions before covering.
- (xi) The contractor shall give performance test of the entire installation(s) as per the standing specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test.
- (xii) The contractor shall make available, on request from the department, the copies of challan, cash memos, receipts and other certificates, if any, vouchers towards the quantity and quality of various materials procured for the work. The contractor shall also provide information and necessary documentation on the name of the manufacturer, manufacturer's product identification, manufacturer's instructions, warning, date of manufacturing and test certificates (from manufacturers for the product for each consignment delivered at site), shelf life, if any etc., for the department to ensure that the material have been procured from the approved source and is of the approved quality, as directed by the Engineer-in-Charge. Wherever specified, day-to-day account of receipt of such material shall be maintained at site of work.
- (xiii) If the Contractor does not provide adequate supporting staff or labour or both for carrying out field tests or collecting and forwarding samples to outside laboratory or for maintaining test records, Engineer in charge may carry out field tests or collect and forward sample to outside laboratory or appoint any person to maintain the registers at risk and cost of Contractor. The charges so incurred shall be entirely borne by contractor and shall be deducted from Running or final bill of contractor. Further, *recovery of Rs. 1000/- for each default shall be levied to contractor.*

#### **1.48. CLEANLINESS OF SITE**

- (i) The Contractor shall not stack building material / malba / muck on the land or road of the local development authority or on the land owned by the others, as the case may be. So, the muck, rubbish etc. shall be removed periodically, from the site of work to the approved dumping grounds as per the local byelaws and regulations of the concerned authorities and all necessary permissions in this regard from the local bodies shall be obtained by the Contractor. Nothing extra shall be payable on this account. In case, the Contractor is found stacking the building material / malba as stated above, the Contractor shall be liable to pay the stacking charges /



penalty as may be levied by the local body or any other authority and also to face penal action as per the rules, regulations and bye-laws of such body or authority. The Engineer –in-Charge shall be at liberty to recover, such sums due but not paid to the concerned authorities on the above counts, from any sums due to the Contractor including amount of the Security Deposit and performance guarantee in respect of this contract agreement.

- (ii) If the contractor fails to comply the above conditions for removal / disposal of malba, a fine of Rs.500/- for each fault per day shall be recovered from the contractor. The department may remove the malba so generated and dumped, by issue of a notice or instruction through site order book, by Junior Engineer/Assistant Engineer/ Engineer-in-charge, concerned and a recovery of Rs.300/- per cum shall be made from the contractor. No claim / dispute shall be entertained on these conditions at any stage either during execution of work or after completion of work and decision of the Engineer-in-charge shall be final and binding.
  - (iii) The contractor shall take instructions from the Engineer-In-Charge regarding collection and stacking of materials at any place. No excavated earth or building rubbish shall be stacked on areas where other buildings, roads, services and compound walls are to be constructed.
  - (iv) The site of work shall be always kept clean due to constraints of space and to avoid any nuisance to the users of buildings in the adjacent plots. The Contractor shall take all care to prevent any water-logging at site. The wastewater, slush etc. shall not be allowed to be collected at site. For discharge into public drainage system, necessary permission shall be obtained from relevant authorities after paying the necessary charges, if any, directly to the authorities. The work shall be carried out in such a way that the area is kept clean and tidy. All the fees/charges in this regard shall be borne by the Contractor. Nothing extra shall be payable on this account.
  - (v) It is the responsibility of contractor to keep building neat and clean. The contractor shall spray the chemicals fumigate site area to check the mosquitoes at frequent interval or as directed by the Engineer in charge. The contractor shall also make lighting and temporary ventilation arrangement in basement.
  - (vi) The contractor shall not wash the drum of TM (transit mixture) at site and shall avoid the spread of leachate / cement slurry to be spread at the site of work and all care shall be taken to keep the site neat and clean at his own cost.
- 1.49. Employ measures to segregate the waste on-site into inert, chemical or hazardous wastes. Recycle the unused chemical/hazardous wastes such as oil, paint, batteries and asbestos. The inert waste is to be disposed off to Municipal Corporation/local bodies dump yard and landfill sites.
- 1.50. The contractor shall provide potable water for all workers. The contractor shall provide the minimum level of sanitation and safety facilities for the workers at site. The contractor shall ensure cleanliness of workplace with regard to the disposal of waste and effluent; provide clean drinking water and latrines and urinals as per applicable standard.
- 1.51. The provisions of "Construction and Demolition Waste Management Rules 2016 in exercise of powers conferred by Environment (Protection) Act 1986 (available at web address [www.moef.gov.in](http://www.moef.gov.in)) as notified by Ministry of Environment, Forests & Climate Change vide notification dated 29.03.2016 and incorporated vide OM No. DG/CON/Misc./04 dated 23.01.2017 issued by the Office of DG, CPWD, MoUD is to be complied with. **Directives on Air Pollution from construction and demolition activity (DG/SE/CM/CON/Misc./02 dated 16.03.2016)** shall be complied with.
- 1.52. **Water for construction purpose:** For water supply, the contractor shall make his own arrangements including boring of tube well, if necessary and nothing extra shall be paid by the department for

arrangement of water or on its treatment. The contractor shall get the water tested with regard to its suitability and conforming to the relevant IS code. The contractor shall obtain the written approval from the Engineer-in-charge before he proceeds for using the same for execution of work. The water testing charges shall be borne by the contractor.

- 1.53. The contractor shall keep at his own cost all publications of relevant Indian standard (BIS) applicable to the work at site. In case of non-compliance, these standards will be purchased by the Engineer-in-charge and actual cost of purchase will be recovered from the Bill of the Contractor.
- 1.54. Senior Officers of CCU/Ministry/Client Department may inspect the on-going work at site at any time with or without prior intimation. The contractor shall facilitate them in inspection.
- 1.55. Jurisdiction of Court - Courts at Delhi alone shall have the jurisdiction to decide any dispute arising out of or in respect of this contract.

#### **1.56. CONDITIONS FOR WATER SUPPLY, SANITARY INSTALLATIONS AND DRAINAGE WORK:**

- a) The contractor shall only employ experienced and specialized workmen for carrying out the Water supply, sanitary installations and Drainage work.
- b) Five years Guarantee bond in prescribed proforma attached with NIT shall be submitted by the contractor to meet his liabilities under the Guarantee Bond. The sole responsibility about quality of Water supply, Sanitary installations and Drainage work shall rest with the contractor.
- c) Ten percent of the cost of Water supply, Sanitary installations and Drainage work shall be retained as security deposit and the amount so withheld would be released after five years from the date of completion of the entire work under the agreement, if the performance of the work done is found satisfactory. If any defect is noticed during the guarantee period, it shall be rectified by the contractor within seven days of receipt of intimation of defects in the work. If the defects pointed out are not attended to within the specified period, the same will be got done by the Engineer-in-charge at the risk and cost of contractor.

However, the security deposit deducted may be released in full against Bank Guarantee of equivalent amount in favour of Engineer-in-charge, if so, decided by the Engineer-in-charge. The security deposit against this work shall be in addition to the security deposit mentioned elsewhere in contract form.

#### **1.57. FORCE MAJEURE**

##### **1.57.1 Definition**

1. For the purposes of this contract, "Force Majeure" means an event which is beyond the reasonable control of a party and which makes parties performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances, and includes, but is not limited to, war, riots, civil disorder, earthquake, fire explosion, storm, flood or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the party invoking Force Majeure to prevent), confiscation or any other action by government agencies.
2. Force Majeure shall not include (i) any event which is caused by the negligence or intentional action of a party or such party's sub agency or agents or employees, nor (ii) any event which a diligent party could reasonably have been expected to both [A] take into account at the time of the conclusion of this contract and [B] avoid or overcome in the carrying out its obligations hereunder.
3. Force Majeure shall not include insufficiency of funds or failure to make any payment required hereunder.

# PART-B

SCHEDULE OF QUANTITIES OF THE CIVIL WORKS, LETTER OF  
TRANSMITTAL, FORM- 'A', FORM- 'B', FORM- 'B1', FORM- 'C' AND FINANCIAL  
BID

**SCHEDULE OF QUANTITY**  
**FOR CIVIL WORK**

Schedule of Quantity					
Name of Work:- Detailed land survey using Total station survey (TSS) & DGPS of National Zoological Park, New Delhi.					
Sl. No.	Description	Qty.	Unit	Rate	Amount
1	Total station Survey of plot boundary for National Zoological Park New Delhi (including area which are yet to be handed over to NZP, marking of existing roads and railway lines with ROW, adjacent area & adjacent properties around the entire periphery of the land) (boundary wall line) of NZP, New Delhi, comprehensive with the structures, building, boundaries, width of carriage ways, footpath, service road, Lamp post electric poles, main hole, trees, including internal dimensions and outer dimension, animal enclosure cell. Area calculation sheet, using total station a digital instrument, preparation survey using AutoCAD. (1) Topography survey by Total station survey showing all existing details of permanent features, temporary structures, Manhole, light poles, well, bore well, storm water drain, moat, nalla, trees showing details of road (main road, internal road, foot path etc.) with level and any other existing feature with in survey limit including total station survey as per direction of Engineer in charge. (2) DGPS survey latitude & longitude coordinates & preparing report (3 copies) proper shape using GPS in (WGS-84) datum to ascertain Latitude & Longitude of the plot etc. complete as per the direction of Engineer in-charge. (3) Contour and level Survey of area by taking spot level as per topography of the land ( grid interval for spot level 5 x 5meter). (4) Supplying three nos. hard copy colour drawing and soft copies, AutoCAD format with Geo coordinate(xml file), & PDF provided in a pen drive/CD all complete as per Direction of Engineer-in-Charge.	230	Per acre	5363.00	12,33,490.00
				<b>Total</b>	<b>12,33,490.00</b>

Terms & Condition:-

- The rates are inclusive of GST.



## LETTER OF TRANSMITTAL

From:

To

The Executive Engineer, CED-I,  
Civil Construction Unit (CCU), MoEF&CC,  
CGO Complex, Lodhi Road, New Delhi -110003  
(email- eeced/ccu-mef@nic.in)

Subject: Submission of Bid for the work of " Detailed land survey using Total station survey (TSS) & DGPS of National Zoological Park, New Delhi. "

Sir,

Having examined details given in bid document for the above work, I/we hereby submit the relevant information.

1. I/We hereby certify that all the statements made and information supplied in the enclosed forms A to I and accompanying statement are true and correct.
2. I/we have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
3. I/we submit the requisite certified Banker's Networth certificate and authorize the Executive Engineer, CED-I, Civil Construction Unit (CCU), MoEF&CC, CGO Complex, Lodhi Road, New Delhi to approach the Bank issuing the banker's Networth certificate to confirm the correctness thereof. I/We also authorize the Executive Engineer, CED-I, Civil Construction Unit (CCU), MoEF&CC, CGO Complex, Lodhi Road, New Delhi to approach individuals, employers, firms and corporation to verify our competence and general reputation.
4. I/we submit the following certificates in support of our suitability, technical knowledge and capability for having successfully completed the following eligible similar works:

S No.	Name of Work	Certificate From

5. If we hereby submit undertaking on structural stability and soundness as per prescribed format Form T.

**Certificate:** It is certified that the information given in the enclosed eligibility bid are correct. It is also certified that I/We shall be liable to be debarred, disqualified/ cancellation of enlistment in case any information furnished by me/us found to be incorrect.

Enclosures:

Seal of bidder:

Date of submission

Signature(s) of bidder(s)

**FINANCIAL INFORMATION**

Name of the firm / Bidder- .....

- I Financial Analysis-Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the last five financial years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

Sl. No.	Particulars	Financial Years				
		2020-21	2021-22	2022-23	2023-24	2024-25
i)	Gross Annual Turnover on Survey Works					
ii)	Profit / Loss (standalone financial statement and consolidated financial statement both)					

- II Financial arrangements for carrying out the proposed work.

Signature of Chartered Accountant with Seal

SIGNATURE OF BIDDER(S)

**BANKERS' CERTIFICATE FROM A COMMERCIAL BANK**

This is to certify that to the best of our knowledge and information that  
 M/s./Shri..... having marginally noted address,  
 .....as a customer of our bank are / is respectable and can be treated as good for any engagement  
 up to a limit of Rs. .... (Rupees.....).

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

(Signature)

For the bank

NOTE: (1) Bankers certificate should be on letter head of the Bank, addressed to the Executive Engineer, CED-I, Civil Construction Unit (CCU), Ministry of Environment, Forest & Climate Change (MoEF&CC), CGO Complex, Lodhi Road, New Delhi -110003 ([email: secedlccu-mef@nic.in](mailto:secedlccu-mef@nic.in))

(2) In case of partnership firm, certificate should include names of all partners as recorded with the Bank.

**FORM FOR CERTIFICATE OF NET WORTH FROM CHARTERED  
ACCOUNTANT**

"It is to certify that as per the audited balance sheet and profit & loss account during the financial year ....., the Net Worth of M/s ..... (Name & Registered Address of individual/firm/ company), as on ..... (the relevant date) is Rs..... after considering all liabilities. It is further certified that the Net Worth of the company has not eroded by more than 30 % in the last three years ending on (the relevant date)."

Unique Document Identification Number (UDIN) .....

Signature of Chartered Accountant

Name of Chartered Accountant

Membership No. of ICAI

Date and Seal

**DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED DURING THE  
LAST SEVEN YEARS ENDING LAST DAY OF THE MONTH PREVIOUS TO THE ONE IN  
WHICH TENDERS ARE INVITED**

Sl. No.	Name of work/ project and location	Owner or sponsoring organization	Cost of work in crores of rupees	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation/ arbitration cases pending/ in progress with details*	Name and address / telephone number of officer to whom reference may be made	Whether the work was done on back-to-back basis Yes/No
1	2	3	4	5	6	7	8	9	10

\* Indicate gross amount claimed and amount awarded by the Arbitration Tribunal.

Signature of Bidder(s)



**CIVIL CONSTRUCTION UNIT****N.L.T. No: 19/e-NIT/EE/CED-I/CCU/2025-26****Name of work: Detailed land survey using Total station survey (TSS) & DGPS of National Zoological Park, New Delhi.****SCHEDULE OF QUANTITY**

Name of the Contractor					
Sl. No.	Name of component	Estimated cost (Rs.)	Percentage above or below the estimated cost	% in Figures	Total Cost (Rs.)
1	2	3	4	5	6
1	Total Station Survey (TSS) & DGPS	12,33,490/-	*	*	*
	<b>Total</b>	12,33,490/-			

\*. To be filled online in bid document.

- 1) The Column Nos. 4 & 5 are mandatory to be filled by the bidders / tenderers. If these columns are left blank, the tender becomes invalid.
- 2) The amount in figures in column No.6 shall appear automatically corresponding to the percentage quoted in column No.4 & 5.
- 3) The tenderer is required to quote the percentage only above or below or at par with the estimated cost to cover all the rates of item covered under the respective packages.
- 4) The percentage shall be written in 2 (two) places of decimal.
- 5) If the percentage selection in column No.4 is "At Par", by default the percentage will be considered as "Zero" only. In other words, if "At par" is selected in column No.4, then no need to fill column No.5