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EXECUTIVE ENGINEER : MD-III

**GOVT. OF NCT OF DELHI
OF THE EXECUTIVE ENGINEER (MD-III)
IRRIGATION AND FLOOD CONTROL DEPARTMENT
L.M. BUND OFFICE COMPLEX, KRISHAN KUNJ, DELHI-110092
CONTACT NO. : 011-21210893 & E-MAIL: ifcmdiii@gmail.com**

No. AE-III/MD-III/NIQ/2025-26 **87**

Dated :- **21/11/2025**

NOTICE INVITING BIDS FOR THIRD PARTY INSPECTION / QUALITY ASSURANCE SERVICES

The *Executive Engineer-III*, Mechanical Division-III, L.M. Bund Office Complex, Krishan Kunj, Delhi-110092 invites, on behalf of President of India sealed offers under Single Bid system from the following agencies / institutes:

1. Delhi Technical University (DTU)
2. National Institute of Technology (NIT), Delhi
3. Netaji Subhas University of Technology (NSUT), Delhi
4. Jamia Millia Islamia University, Delhi
5. WAPCOS Limited.
6. Engineers India Ltd.
7. RITES Ltd.
8. IIT, Delhi
9. DSEU, Delhi
10. IGDTUW, Delhi
11. GGSIPU, Delhi
12. J.N.U, Delhi

For the following work:

Name of Work:- Supply, Installation, Testing and Commissioning (SITC) of IP based CCTV Cameras with supporting peripherals at Chatt Ghat in the premises of Bapu Park Mangolpuri.

Sub Head:- Third party inspection/Quality assurance service

Tendered cost of Main Work : Rs: 8,44,741/-

Tentative time period for execution of work	: 60 Days
Time and date of receipt of bid-documents	: Upto 15:00 Hrs. on 25.11.2025
Time and date of opening of financial bids	: Upto 15:30 Hrs. on 25.11.2025
Place of submission	: Office of the Executive Engineer (MD-III) Irrigation and Flood Control Department, L.M. Bund Office Complex, Krishan Kunj, Delhi-110092


EXECUTIVE ENGINEER : MD-III





INSTRUCTIONS TO BIDDERS

1. Sealed offers under Single Bid system in the prescribed forms are invited, from following agencies / institutes for providing the Third Party Inspection / Quality Assurance Services listed under the scope of services in this bid document:
 - a. Delhi Technical University (DTU)
 - b. National Institute of Technology (NIT), Delhi
 - c. Netaji Subhas University of Technology (NSUT), Delhi
 - d. Jamia Millia Islamia University, Delhi
 - e. WAPCOS Limited.
 - f. Engineers India Ltd.
 - g. RITES Ltd.
 - h. IIT, Delhi
 - i. DSEU, Delhi
 - j. IGDTUW, Delhi
 - k. GGSIPU, Delhi
 - l. J.N.U, Delhi
2. The formats for submission are enclosed in this document in Appendix-I to help the bidders in submission of offers.
3. **Language of bids**
All information in the bid shall be in English.
4. **Signature of bidder**
An authorized person must sign the bid with seal of the organization. Significant evidence of authority of the person signing on behalf of the bidder shall be furnished with the bid.
5. **Preliminary Costs.**
All costs of preparing the proposals, providing services efficiently including site visits, testing of material in his presence, all consumables etc. shall be borne by the bidder.
6. **Price Bids**
The bidders are required to quote lump sum fee for the item of schedule of quantity inclusive of all prevailing taxes, levies for the Third Party Inspection / Quality Assurance services in the prescribed format given in **Appendix-I**.
7. **Duties and Taxes**
No claim on account of any duties, taxes, and other levies payable by the bidders in respect of the transaction between the bidders and sub-Consultant/ other agencies will be entertained by I&FC.

8. **Validity**

The offer shall remain valid for a period of thirty days (30) days from the date of opening of financial bid. The overall offer including personnel proposed for the assignment as well as quoted fees shall remain unchanged during period of validity.

9. **Submission of Bids**

Proposals should be submitted in Single sealed Envelope namely 'Financial Bid' **'Financial Bid' for "C/o Supply, Installation, Testing and Commissioning (SITC) of IP based CCTV Cameras with supporting peripherals at Chatt Ghat in the premises of Bapu Park Mangolpuri."**

Sub Head:- Third party inspection/Quality assurance service

The above envelope should be addressed to the of the *Assistant Engineer-III*, MD-III, Irrigation and Flood Control Department, L.M. Bund Office Complex, Krishan Kunj, Delhi-110092.

Bid can also be seen online on the website Tender Notice Information System website <https://ifc.delhi.gov.in/#tenders>

10. The financial bid as per Appendix-I, should include the cost of all the works and other additional activities as felt necessary by the department for completing the job. The price bid shall also include the cost of all visits made by Third Party Inspection Agency (TPIA) to site of work. The cost of office expenses, stationary, travelling, attending meeting and related expenses shall be deemed to be included in the financial bid. **The quoted fee will be for providing Third Party Inspection/Quality assurance services till actual date of completion of whole project & finalization of final bill and this quoted fee shall not be increased due to time and cost over-run of main project.**
11. Award of Contract – The contract for TPIA shall be awarded to the lowest best qualified and responsible Bidder offering the bid in conformity with the requirements of these specifications and documents and the competent authority shall be the sole judge in this regard.
12. The duly filled offer documents shall not be deposited by post or courier service and all participating bidders shall submit the same by hand delivery in the tender box of O/o the *Assistant Engineer-III*, MD-III, Irrigation and Flood Control Department, L.M. Bund Office Complex, Krishan Kunj, Delhi-110092.
13. If there is any contradiction in provisions of these tender documents with that of contract of executing agency, the provisions of the contract with the executing agency, shall prevail and any matter/ dispute in this regard shall be decided by S.E (I&FC) whose decision shall be final.
14. Offers received after the deadline of submission will not be accepted and shall be returned to the bidder unopened.
15. Any disputes arising between the parties to this agreement/contract shall be subject to the exclusive jurisdiction of Courts in Delhi only.

TERMS OF REFERENCE

1.0 PROJECT DESCRIPTION:

The proposed work shall consist **Supply, Installation, Testing and Commissioning (SITC) of IP based CCTV Cameras with supporting peripherals at Chatt Ghat in the premises of Bapu Park Mangolpuri.**

Sub Head:- Third party inspection/Quality assurance service.

2.0 PURPOSE

The agency has to ensure that the executing and implementing agencies have taken adequate and proper steps to ensure control of quality and have evolved a proper quality assurance plan and the work is being executed accordingly. It has to be further ensured by the agency that the work is being carried out as per Contract specification and relevant BIS specifications by deputing skilled and experienced Engineers who are experts in individual fields.

The Technical Specifications applicable to the project provide for Quality Assurance and Quality Control of the work executed by use of a Quality Management System (QMS). The basic concept of this process is that the contractor performs inspection & testing as per specifications to ensure a quality product and the Third Party Inspection Agency (TPIA) performs testing and Inspection to ensure that the Contractor's Quality Control test results are in order. The system requires that both the contractor and the TPIA have technical personnel who are competent in testing and inspection of all technical works. The general idea is that the contractor has to perform the necessary tests and inspection to ensure the likelihood that all works in his scope meet the specifications instead of "after the fact" testing to see if all works meets the specifications. This approach enables the contractor much more control over his operations. He is responsible for his product from the beginning to the end till the final acceptance of all the works. The TPIA monitors his process of testing to make sure that what he is doing is adequate and accurate. Ensuring production of a quality work of durability and uniform performance by a Contractor is the most important aspect of the quality supervision assignment of a TPIA.

3.0 TERMINOLOGY

Quality is defined as "The totality of characteristics of an entity that bears on its ability to satisfy the stated and implied need". Quality Control is defined as the procedure adopted and controls exercised to ensure that the materials proposed to be used in production, process adopted for production and workmanships of production conform to the prescribed standards and laid down acceptance criteria. The quality control is exercised by agency that ensures that the defined objective is achieved through appropriate tests, checks and inspections by suitable qualified personnel. Furthermore, the objective evidences of all tests, checks and inspections carried out from time to time are documented in prescribed formats for reference and record.

Quality Assurance of a work is defined as a process which exercises various checks at different stages of a work right from its inception till its acceptance, to put it in service to ensure that the work has been properly designed and constructed as per approved designs, drawings and specifications.

Confirmatory Testing is defined as the sampling and testing which is carried out independent of quality control sampling and testing to confirm that the contractor's results which have been reported are correct and representative, with statistical

parameters of the material being produced/processed.

Acceptance is defined as those operations, inspections, sampling and accepting the tests that are conducted to determine whether the product or service will be accepted for use and payment. Acceptance is determined using a statistically based acceptance plan with assurance that the contractor has fulfilled the quality control obligations. Acceptance is the responsibility of the client.

4.0 DOCUMENTS TO BE REFERRED

- (a) Tender specifications and IS Codes.
- (b) Upto date CPWD Specifications.
- (c) Upto date Quality Assurance circulars issued by CPWD from time to time.
- (d) Any other document as deemed fit by TPIA/Engineer-in-Charge.

5.0 SCOPE OF SERVICES

1. Preparation of Quality Assurance/Inspection Plan as per Tender Specifications. This will include
 - (a) Testing Plan of Raw materials.
 - (b) Testing & Inspection Plan of activities.
 - (c) Creating Testing and Inspection Formats.
2. Assisting I&FC in developing its Quality Assurance / Inspection Plan.
3. **Review of Manufacturer's Certificates/ Test results from outside approved laboratory for all bought out items.**
4. TPIA will witness all the field-testing carried out by agency as per the requirement of standard codes and will review all the concerned reports and records regularly.
5. TPIA will also randomly check the workmanship & methods adopted for completing the activities of work by agency and any shortcoming will be informed by the TPIA for rectification.
6. Random sampling of materials for testing to be done by TPIA shall be done in such a way that it represents the whole work. The samples shall be collected in presence of representatives of agency as well as Engineer-in- Charge.
7. TPIA will witness calibration of all field laboratory equipments.
8. For testing of construction materials at field laboratory & outside laboratory, the sampling of materials shall be done jointly by TPQA & executing agency's authorized Representative.
9. Samples for outside testing shall be sealed by TPQA and forwarding letter shall be given to the executing agency who will carry the sample and send it to the laboratory as approved by TPQA.
10. The 3rd Party shall give its recommendation w.r.t the discrepancies found at the time

of inspection & the corrective measures remedies so that the discrepancies can be rectified/re-done.

11. The 3rd party agency shall thereafter submit complete and comprehensive inspection Report within 10 days of the inspection to concerned SE & EE. No report will be handed over to the contractor by the 3rd party directly in order to maintain secrecy and all communication will be restricted to I&FC Delhi officials only.
12. The 3rd party agency shall from time to time review the system & procedure for continuous improvements and to review errors, if any. The 3rd party agency shall also from time to time ascertain complete transparency to maintain accuracy / credibility and reliability.
13. The 3rd party shall also give technical advisory and suggestions during the progress / completion of the work
14. The 3rd party inspection agency after receipt of the work order shall contact the concerned EE within 3 days and work out the modalities and start checking the work immediately thereafter. Any constraints / hindrances in taking of the inspection, if any shall be brought to the notice of concerned SE.
15. If the agency discontinues the work I&FC Delhi shall be at liberty to terminate the contract.
16. Mechanical/ Electrical Engineers of TPIA will be present at site for needful checking the quality during execution of related activities at site and as per direction of Engineer-in-Charge.
17. One suitably qualified engineer of TPIA, as approved by Engineer-in-Charge will always be available at site or contractor's laboratory during currency of work. Senior representatives of TPIA will also visit the site regularly at least every fortnight and as and when directed by Engineer-in-Charge.
18. After review of test report and analysis of inspection, observations will be made and communicated to the contractor/ I&FC Delhi and to take necessary action for rectification/ modification (if required).

TPIA shall generate report for tests and inspections carried out by TPIA and submit it to EE:MD-III

Department will nominate a Coordinating officer for interaction with TPIA and the contractors.

Executing Agency will hand over documents, Specifications/Manufacturer's instructions for TPIA.

TPIA agency shall also inspect all the deviation items, extra items and substitute items as per routine manner.

TPQA shall check and confirm the quality of the work after verifying the removal of defects, if any pointed out during inspections.

If, it is observed by TPQA that defects pointed out are not removed by executing

agency, this matter shall be reported immediately to the I&FC Delhi for necessary action in the matter as per agreement clause.

6.0 Payment Schedule:

- a 100% of the total fees shall be paid after actual completion of execution work and final report submitted by TPIA.

7.0 Responsibility for accuracy of TPIA services provided

The TPIA shall be responsible for accuracy of services provided by them for the project. The work of TPIA shall be completed once the project is complete and final report has been submitted.

1. Action for Deficiency in Services

1.1 Consultant liability towards the Client

TPIA Consultant shall be liable to indemnify the Client for any direct loss or damage accrued or likely to accrue due to deficiency in service rendered by them which shall include any or all cost and expenses incurred by the Client in removing the deficiency in Service including engaging any other consultant.

2. Effect of change in the scope of the work on TPIA consultancy fee

No extra payment shall be made due to delay in completion of main project.

APPENDIX –I

FINANCIAL BID

FINANCIAL PROPOSAL

To,

The Assistant Engineer-III, MD-III
I&FC Department,
GOVT OF NCT OF DELHI

“Supply, Installation, Testing and Commissioning (SITC) of IP based CCTV Cameras with supporting peripherals at Chatt Ghat in the premises of Bapu Park Mangolpuri.”

Sub Head :Third Party inspection/ Quality assurance service”

Sir:

I/We _____ TPIA herewith Enclose financial bid for the evaluation of our agency /institute as TPIA for above work as per the scope of work given under terms of reference.

Yours faithfully,

Signature _____

(authorized Representative of the TPIA)

Full Name _____

Designation _____

Address _____

Tele Nos: (O) _____ (R) _____

E-mail: _____

Fax No: _____

SCHEDULE OF MAIN WORK

S.No.	Description of Items	Qty.	Unit.
1	S.I.T.C of 32Ch. NVR NVR SPECIFICATION: Third-party network cameras supported• Up to 8 Megapixels resolution recording• HDMI and VGA output at up to 1920×1080 Presolution• 32-ch network cameras can be connected with40M/80M/160M incoming bandwidth• Up to 2 SATA interfaces• Support network detection, including network delay,packet loss& Dual-stream video compression, All Audio input, 1self-adaptive, 10M/100Mnetwork interface, USB port - USB wireless Mouse , Power Adopter 12V DC , High resolution vedio streaming , H.265/H.264+ / H.264 Vedio Format , Plug & Play with 16 Power over Eternet (PoE) interface camera , Adopt Stream over encryption technology which provides more secure stream transmission service. Make:- Network / Hikvision / CP+ / Prama / Impact	1	Each
2	S.I.T.C. of IP IR Bullet Camera 4 Megapixel high-performance 0.01Lux @ (F1.2, AGC ON) ,0 Lux with IR0.028 Lux @ (F2.0, AGC ON) ,0 Lux with up to 2560 X 1440P resolution ,True Day/Night ,DNR, Smart IR, 6 mm Lens ,Up to 20m IR distance , built in microphone for real time audio security, water & dust resistant IP67 , Efficent H.265 + compression technology with long IR range , clear imaging even with strong back light due to 120 db WDR , Make:- Network / Hikvision / CP+ / Prama / Impact	16	Each
3	S.I.T.C. of IP IR PTZ Camera 4 Megapixel high-performance upto 2560 x 1440 resolution , excellent low light performance with powered by dark fighter technology , upto 50 mtr IR Distance, 2.8 mm to 12 mm , 32 X Zoom , 350 Digree Rotation 0.01Lux @ (F1.2, AGC ON) ,0 Lux with IR0.028 Lux @ (F2.0, AGC ON) ,0 Lux with u resolution ,True Day/Night ,DNR, Smart IR, , built in microphone for real time audio security, water & dust resistant IP67 , Efficent H.265 + compression technology with long IR range , Auto / manual / ATW / Indoor/ outdoor / floursent lamp (Auto / Manual Operation) IR Cut Fillter clear imaging , Preset / Doom Reboot/ dome Adjust / Aux Output Make:- Network / Hikvision / CP+ / Prama / Impact	4	Each
4	S.I.T.C. of 8 TB Hard Disk, Connector Sata , transfer rate upto 267 MB/s , recording technology -CMR , Purpule ,operating temprature 0 to 65 Digree , Disk Speed 7200 RPM , High performance Make:- Seagat / WD / Sony	2	Each
5	S.I.T.C of 16 Ports Network Switch , 10/100/1000 mbps , PoE RJ-45 ports 2 ports uplink , 2X gigabit combo , IEEE803.3 at/af standard for PoE Ports , Network topology managment alarm push , network health monitor, Make:- D-Link /Netgear / TP Link or Standard	2	Each
6	Supply of Armoured UTP CAT, 24 AWG-06 Network Cable. Make - D-Link / Finolex / Colycab / Havells	915	Mtr
7	S.I.T.C of Network Rack 9 U 400 x 450 mm Heavy duty wall mounting, with PDU 6 Socket 5 A & ON/Off switch , Hafly Try , Fan 01 no & accessories Make - DG Rack / Dynamic / Quantum /Consistant	1	Each
8	S.I.T.C of Network Rack 4 U 400 x 400 mm Heavy duty wall mounting, with PDU 6 Socket 5 A & ON/Off switch , Fan 01 no & accessories Make - DG Rack / Dynamic / Quantum /Consistant	1	Each

9	Providing and Fixing High Speed HDMI Cable 3 Mtr 4K Standred	1	Each
10	Supply, Installation, Testing & Commissioning of 80mm NB G.I Pole conforming to, IS: 1239 B Class (Medium), with nut, bolts & washer complete Make - Jindal / Tata / Bhushan/ Surya	10	Each
11	S.I.T.C of 43 inches, 4K Ultra HD Smart Monitor/ TV, excellent picture clarity, balanced sound with immensive audio performance, Wi-Fi, Bluetooth, 4X HDMI, 2XUSB connectivity including cartage. Make- Sony / Samsung / L.G./ Sanyo	1	Each
12	Laying and fixing of one number UTP CAT, 24 AWG-06 Network Cable etc. on wall surface as required up to 35 sq. mm (Clamped with 1mm thick saddle)	915	Mtr

SCHEDULE OF LUMP SUM PRICE PROPOSAL

S.No.	Description of items	Qty.	Unit	Rate	Amount
1	“Supply, Installation, Testing and Commissioning (SITC) of IP based CCTV Cameras with supporting peripherals at Chatt Ghat in the premises of Bapu Park Mangolpuri.” Sub Head : Third Party inspection/ Quality assurance.	1 Job	Lump sum		

IMPORTANT NOTES:

1. The Lump sum amount shall be inclusive of all prevailing taxes and fees.
2. Services of Third Party Inspection agency shall be required up to the actual completion execution of work and finalization of the final bill.
3. No cost adjustment shall be made in case of increase / decrease in execution period of project.
4. No extra payment except as quoted by the TPQA shall be paid for any other items whatsoever in any shape and form.
5. TPQA is expected to make himself acquainted with the work/services expected to be carried out by him for satisfactory carry out of the TPQA services. No extra payment for any account shall be entertained.

Yours faithfully,

Signature _____

(Authorized Representative of the TPIA)

Full Name _____

Designation _____

Address _____

Tele Nos: (O) _____ (R) _____

E-mail: _____

Fax No: _____