

OLKATA METROPOLITAN DEVELOPMENT AUTHORITY
Office of the Superintending Engineer,
Circle – II, Roads & Bridges Sector, KMDA,
Unnayan Bhawan, Block “A” (7th Floor)
Salt Lake City, Kolkata - 700091.
West Bengal, India.

No: 31/SE/C-II/R&B/KMDA/W-28(Part-VI)

Dated: 15.07.2022

Detailed e-Quotation Notice. No. 03/SE/C-II/R&B/KMDA of 2022 – 2023 dt. 15.07.2022

The Superintending Engineer, Circle - II, R&B Sector, KMDA invites online e-quotation from reliable, resourceful, bonafide and experienced firms / companies / individual contractors, who have successfully completed the work of similar nature of works as provided in the Qualification Criteria of Bid Document within last 5 (five) years from the date of this e-NIQ in any Govt. / Semi-Govt. / Govt. Undertakings / Autonomous Bodies / Statutory Bodies and Local Bodies is eligible for the under mentioned work.

Sl. No.	Name of Work	Bid Security (Rs.)	Time of Completion
1.	“Consultancy Services for Preparation of Detail Project Report (DPR) including Topographical Survey, Geotechnical Investigation, Design Calculation, Drawings, BOQ & Estimating including Proof Checking As Well As Providing Consultancy Services During Different Stages Of Execution of all related Civil & Electrical Work Pertaining to Construction Of RCC Bridge in place of Damaged Wooden Bridge Over Town Head Cut Channel At Mir Meher Ali Lane At Ward No. 57 Of KMC, P.S. Tangra.”	Rs. 30,000/-	30 (Thirty) Days

Corrigendum/Addendum if any would be published on the website only

1) Intending bidder may download the tender documents from the website <https://wbtenders.gov.in> directly with the help of Digital Signature Certificate and Earnest Money should be deposited online either by Net Banking (any listed bank) or through RTGS/NEFT as per requirement of the system.

2) Submission of Quotation:-

a) Technical Bid and Financial Bid both will have to be submitted online concurrently duly digitally signed in the website <https://wbtenders.gov.in> as per time schedule stated herein under.

b) The Financial Bid of the prospective bidders will be opened only if the bidder qualifies in the Technical Bid the decision of the Tender Inviting Authority will be final and binding to all concerned and no challenge against such decision will be entertained.

3) Time Schedule for Publishing and Opening of Quotation: -

a)	Date of uploading of N.I.T. & other Documents (online) (Publishing Date)	Date: 22.07.2022 Time: 18.00 hrs
b)	Documents download start date (Online)	Date: 22.07.2022 Time: After 18.00 hrs
c)	Documents download end date (Online)	Date: 06.08.2022, Time: 14.00 hrs.
d)	Online Bid Submission Start Date & Time	Date: 22.07.2022 Time: After 18.00 hrs
e)	Online Bid Submission Last Date & Time	Date: 06.08.2022, Time: 14.00 hrs.
f)	Time and Date of Opening of Technical Bid (Bid will be opened by the Authorized Officer)	Date: 08.08.2022, Time: At 14.00 hrs.
g)	Date for opening of Financial Proposal (Online)	To be notified later

Quotations will be opened by the **Superintending Engineer, Circle II, R&B Sector, KMDA** or his authorized representative in presence of bidder or their authorized representatives who may like to be present.

4) Eligibility criteria for the bidders: -**A) The bidders should have the credentials as detailed below:**

The consultants, who fulfill the following requirements, shall be eligible to apply.

- i) Prospective bidders should have satisfactorily completed the works as mentioned below during the last 5 years ending last day of the month previous to the one in which bids are invited.
- ii) Similar work of bridge consultancy of at least one project of worth at least Rs. 4.0 Crore or two projects of each of worth at least Rs. 3.0 Crore or three projects of each of worth at least Rs. 2.0 Crore of Central/ State Government/ Central Autonomous Body/ State Autonomous Body/ Central Public Sector Undertaking/ State Public Sector Undertaking. Bidders should submit requisite paper from Central/ State Government/ Central Autonomous Body/ State Autonomous Body/ Central Public Sector Undertaking/ State Public Sector Undertaking which had deployed the Consultant and certificate of satisfactory completion of work.

OR

Similar work of Topographical Survey, Geotechnical Investigation, Structural Design, Drawings and BOQ including proof checking of bridge consultancy services of at least one project of consultancy service value of Rs. 4.0 Lakh or two projects of each of consultancy service value of Rs. 3.0 Lakh or three projects of each of consultancy service value of Rs. 2.0 Lakh of Central/ State Government/ Central Autonomous Body/ State Autonomous Body/ Central Public Sector Undertaking/ State Public Sector Undertaking. Bidders should submit requisite paper from Central/ State Government/ Central Autonomous Body/ State Autonomous Body/ Central Public Sector Undertaking/ State Public Sector Undertaking which had deployed the Consultant and certificate of satisfactory completion of work.

- iii) Bidder must have their own complete in house Design facilities ((e.g. AUTOCAD, STAAD PRO, MS Office etc.) / office for the captioned work with the following Key persons : -

Sl. No.	Designation	Min. No. of personnel	Qualification	Experience
1.	Team Leader	01	Post Graduate / Graduate in Structural / Civil Engineering	At least 15 years' experience in the field of RCC/PSC Bridge Design with sub-structure / foundation
2.	Design Engineer	01	Post Graduate / Graduate in Structural / Civil Engineering	At least 5 to 7 years' experience in the field of RCC/PSC Bridge Design with sub-structure / foundation

- iv) Prospective bidders should have experience of bridge/ Foot over Bridge consultancy work of at least one project of Bridges over Canal or River / Metro corridor/ROB / Flyover/ Underpass/Foot over Bridge etc. of length of 30 meter or above.
- v) Average financial turn over during last three financial years ending 31.03.2022 should not be less than Rs. 3 Lakh.
- vi) Should not have incurred any loss in more than two years during the last five years ending 31.03.2022.

Note-1:- Area of similar work consisting consultancy service for construction Bridges over Canal or River / Metro corridor/ ROB/ Flyover/ Underpass/Foot over Bridge etc. will be worked out from end point to end point.

Note -2:- Similar work means consisting construction of Bridges over Canal or River / Metro corridor/ROB/ Flyover / Underpass/Foot over Bridge etc. has been completed.

Note-3:- The works completed upto previous day of last date of submission of tender shall also be considered.

Note-4:- The value of executed work shall be brought to current costing level by enhancing the actual value of work at simple rate of 10% per annum, calculated from the actual date of completion to last date of receipt of Technical & Financial bids. Bidder should submit a table format showing the enhanced work value for bid evaluation.

Note-5:- While considering any similar work executed by applicant firm under joint venture, the experience of the applicant firm in that work shall be restricted to its share/responsibilities as reflected in the Memorandum of Understanding (MoU), signed between the parties, while forming joint venture for that work, attested copy of which shall be submitted along with the technical bid.

- B) If the agency is not having its office in the Kolkata region then an affidavit must be submitted by the agency that they will establish an office preferably in Kolkata region within 10 days from the acceptance of their bid.
- C) It must have personnel as specified in these documents, excellent skills in writing English and must be conversant in Bengali & Hindi as well.
- D) Bidder should have PAN card, Valid income tax return (For Last 3 yrs), Valid 15 digit Goods and Services Taxpayer Identification Number (GSTIN) under GST Act, 2017 & Credentials, Work Order etc.
- E) One affidavit before Notary will have to be submitted mentioning the correctness of the documents and a declaration of penalty debarment etc. faced by him under any Govt./Semi-Govt./Autonomous body/Institution.
- F) Particulars regarding Joint Ventures/Consortium.
- i) The lead partner must have credential and satisfactory completion of similar nature of work of completion cost not less than 50% value of qualifying amount i.e. 50% of the value of work under present tender.
 - ii) Maximum number of JV / Consortium Members allowed is 02 (two) including the Lead Member.
 - iii) Other partner shall meet not less than 50% value of consultancy project worth and consultancy services value as mentioned above as principal employer within last 5 (Five) years.
 - iv) The lead partner shall have to apply for tender on behalf of Joint Ventures/Consortium along with MoA/MoU.
 - v) In case of any litigation or in the event of any default arises during the execution/contract period of the agreement, the lead partner will remain fully responsible.
 - vi) A copy of the Joint Venture Agreement entered into by the Partners (JV Participants) shall be submitted with the bid. Alternatively, a Letter of Intent as per format provided under Annexure A – Part-I to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all partners and submitted with the bid together with a copy of the proposed Agreement, clearly indicating the objectives of the joint venture, the proposed management structure, the contribution of each participant to the joint venture operations, the commitment of the participants to joint and several liability for performance of the contract, recourse or sanctions within the joint venture in the event of default or withdrawal of any participant, and arrangements for providing the required indemnities.
 - vii) If the Successful Bidder is a Joint Venture to whom the contract is awarded, each partner of the Joint Venture shall sign and execute the contract with KMDA and shall be jointly and severally responsible to KMDA for the performance of the contract.

5) **a) List of common documents shall have to be submitted by each bidder at the time of submission of Quotation:-**

- i. Income Tax Return (For last 3yrs)
- ii. Audited Balance Sheet (For last 3yrs)
- iii. Pan Card.
- iv. Valid 15 digit Goods and Services Taxpayer Identification Number (GSTIN) under GST Act, 2017
- v. Technical Credential.
- vi. Affidavit before Notary mentioning the correctness of the documents and declaration of penalty debarment etc.
- vii. Financial turn over Certificate.
- viii. Technical Personnel

b) List of documents shall have to upload by a Partnership Firm in addition to Sl. No.5.a)

- i) The power of Attorney for the firm for signing the tender by a partner.
- ii) Partnership Deed.

c) List of documents shall have to upload by a Joint Venture/Consortium in addition to Sl. No. 5.a)

- i) Copy of MoA/MoU on a stamp paper of Rs.100.00 outlining the joint interest to work on the project and specifying the other terms of agreement.

6) ***Site inspection before submission of quotation:***

Before submitting any tender, the intending tenderers should make themselves acquainted thoroughly with the local conditions prevailing at site by actual inspection of the site and taking into consideration all factors and difficulties like to be involved in the execution of work in all respect including transportation of materials, communication facilities, climate conditions, nature of soil, availability of local labour and market rate prevailing in the locality etc. and no claim, whatsoever, will be entertained on these account afterwards. In this connection intending tenderers may contact the office of the superintending Engineer, concerned with the work between 11.30 hours to 16.30 hours on any working day prior to date of submission of tenders.

7) ***Scope of Work & Deliverables: -***

The Consultant's Scope of Work shall generally be as under but not limited to these:

- Inception report.
 - Joint Site visit & detailed reconnaissance survey, Feasibility Study report, Photograph, Layout plan etc.
- Conducting Topographical survey & levelling using ATS Machine including plotting of the existing features in the area to be surveyed following latest relevant IS codes of practice and submission of drawings in 6nos. hard copies and one soft copy, including identification of utility services and maintaining the accuracy level as per IS codes along with Pen drive of Still photograph & video of the site.
- Geo technical investigation for proposed bridge:-

- Mobilization of all tools & Plants along with accessories, material, labour, supervision etc.,
- Carriage of all Disturbed & Undisturbed Samples from site of work to the Divisional office or elsewhere including loading and unloading as per direction of Engineer-in-Charge.
- Making Two Bore-Holes of 150mm to 250mm dia. by any standard method upto 40.00 mtr depth below ground level / bed level in all kinds of soil like clay, silt, sand, stiff clay, mixed soils etc. except rocks (for the purpose of collecting Disturbed & Un disturbed soil samples, conducting Standard Penetration Test at suitable intervals etc.) including preparation and submission of bore-log as per IRC : 75 and 78 and Clause 2400 of Specifications for Road & Bridge Works (5th Revision), Published by IRC, and also including hire charges of tools and plants complete as per the direction of Engineer-in-Charge.
- Standard Penetration Tests (S.P.T.) by Split Spoon Sampler in the bore hole as per IS 2131.
- Laboratory Investigation as per provision in relevant IS code prescribed in Annexure-A.

Annexure-A
LABOTORY TESTS
i) Liquid Limit as per IS 2720 (Part – V).
ii) Plastic Limit as per IS 2720 (Part – V)
iii) Grain size analysis by Sieving as per IS 2720 (Part – IV).
iv) Grain size analysis by Hydrometer Method as per IS 2720 (Part – IV).
v) Determination of Water Content as per IS2720 (Part – II).
vi) Determination of Specific Gravity as per IS2720 (Part – III).
vii) Direct Shear Test as per IS 2720 (Part – XIII).
viii) Determination of Unconfined Compression Strength as per IS 2720 (Part – X).
a) Undisturbed.
b) Remoulded.
ix) Determination of Sand Content as per IS2720 (Part – IV).
x) Determination of Shrinkage Factor as per IS2720 (Part – VI).
xi) Determination of Water Content Dry Density relation using light compaction as per IS2720 (Part – VII).
xii) Determination of Water Content Dry Density relation using heavy compaction as per IS2720 (Part – VIII).
xiii) Determination of Density Index (Relative Density of cohesion less soil) as per IS 2720 (Part – XIV).
xiv) Determination of Consolidation Properties as per IS 2720 (Part – XIV).
xv) Laboratory Determination of California Bearing Ratio on Disturbed / Remoulded samples as per IS: 2720, Part XVIII.
a) Un soaked
b) Soaked
xvi) Tri-Axial Shear Test.
a) Determination of Shear strength Parameters of a specimen tested in Unconsolidated Undrained Tri-axial compression without measurement of pore water pressure as per IS 2720 (Part –XI).

b) Determination of Shear strength Parameters of a specimen tested in Consolidated Undrained Tri-axial compression Test with measurement of pore water pressure as per IS 2720 (Part –XII).
c) Determination of Shear strength Parameters of a soil from Consolidated Drained Test as per IS 2720 (Part – X).
xvii) Laboratory Determination of Permeability as per IS 2720 (Part– XVII).
xviii) Determination of Field Moisture Equivalent as per IS 2720 (Part– XVIII).
xix) Determination of Centrifuge Moisture Equivalent as per IS 2720 (Part– XIX).
xx) Determination of Linear Shrinkage as per IS 2720 (Part– XX).
xxi) Laboratory Total Soluble Solid as per IS 2720 (Part– XXI).
xxii) Determination of Organic Matter as per IS 2720 (Part– XXII).
xxiii) Determination of Calcium Carbonate as per IS 2720 (Part– VIII).
xxiv) Determination of pH Value as per IS 2720 (Part– VIII).
xxv) Determination of Total Soluble Sulphate as per IS 2720 (Part– VIII).
xxvi) Laboratory Vane Shear Test as per IS 2720 (Part–XVIII).
xxvii) Determination of Free Swell Index of Soil as per IS 2720 (Part– VIII).
xxviii) Determination of Swelling Pressure of Soil as per IS 2720 (Part– VIII).

- Preparation of Detail Project Report (DPR) based on Topographical Survey, Geotechnical Investigation, Design Calculation, Drawings, BOQ & Estimating including Proof Checking As Well As Providing Consultancy Services During Different Stages Of Execution of all related Civil & Electrical Work Pertaining to Construction of Proposed RCC Bridge.
- Submission of DPR shall have to be made in Bound Volumes in two phases, a) Draft Copies (2 sets), b) Final Copies (6 sets). Final DPR is to be submitted in one soft copy in original format & pdf.
- **Reference & Analysis of Rate:** The detailed estimates of DPR's are to be prepared following general specifications of West Bengal PWD Schedule of rates (current schedule) or on the basis of market rate which are not available in above schedule of rates.
- D.P.R. of the proposed bridge under investigation shall be prepared and submitted. All the field test results and the laboratory test results in proper format and all other details shall be incorporated in the D.P.R.

8) PAYMENT SCHEDULE AND TIME LIMIT:-

Sl. No.	Description of Deliverables / Stage of Work.	Timeline (From the acceptance of the Letter of Award)	Payment milestone (%)
1	Carrying out Detailed reconnaissance survey & Inception report.	5 days	5% of the total consultancy charges on approval from the competent Authority.
2	Preparation of Geotechnical Investigation & Sub soil exploration.	8 days from the date of approval of the Competent Authority for soil Investigation work.	25% of the total consultancy charges on approval from the competent Authority less amount already paid.
3	Submission of Draft report including Design of Foot Over Bridge (FOB) and preparation of General Arrangement & detailed drawings along with preparation of detailed cost estimate.	7 days from the date of approval of the competent Authority for the Draft Feasibility report.	40% of the total consultancy charges on approval from the competent Authority less amount already paid.
4	Submission of Final Report of Foot Over Bridge (FOB) and proof checking of the same.	5 Days from the date of approval of the competent Authority for draft Detailed project report.	65% of the total consultancy charges on approval from the competent Authority less amount already paid.
5	Preparation of issue of working Drawing with Bar Bending Schedule for Construction activity.	5 Days from the date of approval of the competent Authority for draft Detailed project report.	90% of the total consultancy charges on approval from the competent Authority less amount already paid.
6	Carrying out modification / revision work based on the site condition during execution of the project, if at all required and resubmission of the same for approval of the employer.		100% of the total consultancy charges on approval from the competent Authority less amount already paid.

Note:- No such extra payment beyond the quoted amount will be made under any circumstances – if scope of work is enhanced in complying relevant IRC/ IS Codal guideline, Complying various Govt. Circular/ Order, Delay in approval of document from concerned department.

- 9) Neither prospective bidders nor any of constituent partners (either individually or as a member of a Joint Venture) had been debarred to participate in tender by the Ministry of Road Transport and Highways (MoRT&H), or Govt. Of West Bengal or its implementing agencies for the works of Expressways, National/State Highways/ KMDA during the last 5 (five) years prior to the date of this NIQ. Such debar will be considered as disqualification towards eligibility. (A declaration in this respect has to be furnished by the prospective bidders as per prescribed format without which the Technical Bid shall be treated non-responsive).
- 10) The applicants / bidders are expected to examine all terms and instructions included in the Documents. Failure to provide all requested information will be at their own risk and may result in rejection of the proposal.
- 11) **Bids shall remain valid** for a period of 120 days (One Hundred Twenty) from the last date of submission of Financial Bid / Sealed Bid. If the bidder withdraws the bid during the period of bid validity the bid money as deposited will be forfeited forthwith without assigning any reason thereof.
- 12) No mobilization advance will be allowed.
- 13) Bidders are to keep track of all the Addendum / Corrigendum issued with a particular tender and upload the same digitally signed along with the NIT Tenders submitted without the Addendum / Corrigendum will be informal and liable to be rejected.
- 14) **All the uploaded documents should be organized in proper order in the respective folders assigning names to the individual documents, failing which bid may liable to be cancelled.**
- 15) Department shall not entertain any claim whatsoever from the contractor for payment of compensation on account of idle labour on any ground including non-possession of land.
- 16) **Conditional and Incomplete Quotation** will not be accepted under any circumstances
- 17) The Superintending Engineer, Circle-II, KMDA reserves the right to cancel the N.I.Q. due to unavoidable circumstances and no claim in this respect will be entertained.

During scrutiny, if it comes to the notice to tender inviting authority that the credential or any other papers found incorrect/manufactured/fabricated, that tenderer will not be allowed to participate in the tender and that application will be out rightly rejected without any prejudice with forfeiture of Bid Security forthwith.

List of "Technically Qualified Bidders" will be published in the web portal only.

Financial Bid will be opened within a short period after such publication. Therefore Bidders are requested to view the tender status on a regular basis. In case if there be any objection regarding Pre-qualification/ list of " Technically Qualified Bidders", that objection should be lodged to the SE, Tender/Bid Evaluation Committee within 24 hours from the date and time of publication of list of qualified Agency and beyond that time schedule no objection will be entertained by the Tender/Bid Evaluation Committee.

- 18) Before issuance of the LOA, the quotation inviting authority may verify the credential & other documents of the successful bidder if found necessary. After verification, if it is found that such

documents submitted by the successful bidder is false, the bid shall be cancelled and bid security forfeited.

19) Language of Quotation:- The quotation shall be submitted in English. All literatures and correspondence in connection with the quotation shall be in English.

20) Successful bidder shall have to execute an agreement in the prescribe format which will be available from the office.

21) The tender inviting authority reserves the right to accept or reject any or all the tenders without assigning any reason what so ever.

a. KMDA reserves the right to,

1. accept any Bid;
2. reject any Bid;
3. annul the bidding process and reject all Bids;
4. annul the bidding process and commence a new process; and
5. waive irregularities, minor informalities, or minor non-conformities which do not constitute material deviations in the submitted Bids from the Bidding Documents, at any time prior to the award of the Contract without incurring any liability to the affected Bidder or Bidders and without any obligation to inform the affected Bidder or Bidders of the grounds for KMDA's actions.

b. Nothing in ITB is intended to permit KMDA to refuse to provide reasons for rejection to an unsuccessful Bidder.

For detail information please visit <https://wbtenders.gov.in>

Sd/-

**Superintending Engineer
C-II/R&B Sector/KMDA**

Dated: 15.07.2022

No: 31/1(20)/SE/C-II/R&B/KMDA/W-28(Part-VI)

Copy forwarded for information and necessary action to: -

1. The Deputy Secretary, P.R. Cell, KMDA with request to publish the TENDER NOTICE in the leading News Papers and display in KMDA website.
2. The Chief Engineer-II (Bridge), R & B Sector, KMDA
3. The Director of Finance, KMDA
- 4 – 6. The Superintending Engineer Circle-I / III/ Programme R &B, KMDA
- 7 – 16. The Executive Engineer SCD – I / II / III / IV/V/ KCD /North /South / HSRD/QCD Division, R & B Sector, KMDA
17. A.C.F.A., R&B Sector, KMDA
18. Estimator, C-II, R&B Sector, KMDA
19. Notice Board.
20. Office Copy.



**Superintending Engineer
C-II/R&B Sector/KMDA**