

Asansol Durgapur Development Authority

(A Statutory Body of the Government of West Bengal)

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Memo.No. - ADDA/ASN/ED/NIQ-04(2022-2023)/332

Date: - 05.07.2022

E-NOTICE INVITING Quotation NO. NO.-04. OF 2022-2023

THE EXECUTIVE ENGINEER, ADDA, ASANSOL.

For and on behalf of ADDA, The Executive Engineer, ADDA, Asansol, invites **Sealed Quotation on Lump-Sum Basis** e-Tender for the work noted below under TWO COVER BID SYSTEM from reputed and resourceful consultant who have executed similar type of work of consultancy fee not less than Rs. 3,00,000.00 (**Three lac**) in a single contract during the preceding 5 (five) years in any Govt./Semi Govt./Undertakings/Autonomous Body/Statutory Body. Detail in the table below. (Submission of Bid through online).

Sl.No	Name of work	Initial Earnest Money (in Rs.)	Period of completion
1.	Preparation of DPR for augmentation upto 7.5 MGD from existing water treatment plant at Mangalpur & existing raw water intake well at Ballavpur, Raniganj with all ancillary work including replacement of rising main pipeline and one new 500 m3 OHR at Mangalpur in the district of Paschim Bardhaman (3 RD Call)	20,000.00	3 (Three months)

This work includes consultancy services in engineering design and drawing along with detail estimate for the proposed project.

1. Scope of work:

A. Topography Survey: -

1. Detail topographical survey require to locate all existing structures along with proposed sump well (if require) at raw water collection area in river bank.
2. Detail topographical survey requires locating all existing structures along with proposed ESR, toilet, security room at WTP site.
3. Route survey of proposed pipe laying from raw water collection area to WTP & also distribution pipe line.
4. Scope of work for Topography Survey :

The following activities will be covered in the present survey assignment:

- a. Mobilization of Survey Team along with instruments to the site for Topographical Survey Work and demobilization the same after completion of field work.
- b. Carrying out Topographical Survey work for the proposed area which will cover all topographical features like Building, Shed, Electric Post, Lamp Post, Telephone Post, Drain, Water Body, Surrounding Road, Plant Boundary Wall, Trees, Machineries Location, Column Position of Shed etc. and same to be incorporated in the drawing.
- c. Survey Work will be carried out based on Global Co-ordinate / Local Co-ordinate whichever is suitable which will be marked in the Drawing.
- d. Carrying BM value from nearest GTS BM / MSL and Establish at site for future reference. In absence of Bench Mark Value Global RL / Assumed RL will be considered.

- e. Establish temporary bench mark (on permanent structure) at site for future reference.
- f. Preparation of Drawing in suitable scale and submission of Softcopy in AutoCAD Format.
- g. Detailed Survey is to be done by Total Station.
- h. Superimpose old Plant Drawing over New Survey Drawing if required.
- i. Prepare Contour drawing at an interval of 0.25m/0.5m. Whichever is suitable and spot level drawing at 5mX5m grid i.e as per the direction from authority.
- j. **NOC from any Govt organization which related to the Project may be incorporated in this DPR.**
- k. **If any utility service may be shifted for the DPR. utility shifting sent should be considered in the scheme.**

B. Soil Investigation report: -

1. To know soil properties underneath river bed profile for infiltration gallery with intake well & sheet piling. – 1 no.
2. Require soil profile for construction of a new sump well. – 1 nos. X 40 mtr. (if required)
3. Require soil profile for construction of an ESR at WTP site. - 1 no. X 40 mtr.
4. Require soil profile to extent wash tank over roof area of filter house. – 1 no. X 30 mtr.
5. Critical portion of pipe laying route from Intake to WTP. - 3nos. X 20 mtr. (approx, if required)
6. One yield test at river bed may be required.

7. Scope of work for soil investigation:

Activities and Test programmes for the proposed work –

- a. Men and Materials to the project site for carrying out the geotechnical investigation and demobilization of the same after completion of all the field works etc., all complete as per specifications, drawings and as directed by the engineer-in-charge.
- b. Carrying out routine laboratory tests on selected soil and water samples, comprising of:(no of test will depend on requirement)
 - a) Natural Moisture Content
 - b) Atterberg's Limits
 - c) Grain Size Analysis
 - d) Triaxial Shear Tests (UU & CU)
 - e) Unconfined Compression Tests
 - f) Bulk & Dry Densities
 - g) Specific Gravity
 - h) Consolidation Test and Over Consolidation Ratio (OCR Value)
 - i) Chemical Tests on soil & water samples to find out pH, Chloride and Sulphate Content.
 - j) Laboratory test on Rock.(if required)
- c. Compilation of Test Data, Preparation and Submission of Comprehensive Report in 4 (Four) Copies giving all the field and laboratory test results, graphs, charts, tables, etc. along with engineering analysis for recommendation on foundation system, bearing capacity of shallow and deep foundations, settlements, etc.

C. Structural health monitoring (SHM) with vetting: -

1. Non-destructive test can be carried out to know Structural health condition of existing part of filter house like wash tank, beams, columns etc.

Non-destructive test can be carried out to know Structural health condition of existing Sump well with pump house to take decision whether new sump well need to be constructed or not.

3. **Scope of work for Structural health monitoring (SIIM):**

- a. Thorough visual survey of all the structures under scope.
- b. Conduct following NDT (no of test will depend on requirement)
 - B1. Ultrasonic pulse velocity tests .
 - B2. Rebound Hammer tests .
 - B3. Concrete Core Drilling and test.
- c. Preparation of report containing distress mapping of the structure.
- d. Vetting of report (except BOQ) from reputed institution.
- e. Preparation of BOQ of execution of repair works.

D. **Structural design & detail drawing (Pre & Post Construction): -**

Structural design to be done by proper structural analysis software and drafting to be done by AutoCAD.

1. Before construction of infiltration gallery design of sheet piling to be done.
2. Design of proposed Intake well to collect raw water through porous pipe.
3. Design of proposed sump well with pump house to collect raw water from Intake well and supply to WTP. (If require)
4. Design of valve chamber, jacking arrangement below rail crossing while laying proposed raw water pipe line.
5. Design of wash tank & supporting structures for rehabilitation work of Filter house.
6. Design of proposed 500 cum ESR at WTP site for distribution of clear water. (As require)
7. After proper inspection, structural modification of substation buildings to be done as required in raw water collection area & WTP site.
8. Design of proposed boundary wall at raw water collection area.
9. Preparation of all drawings in suitable scale and submission of soft copy in AUTOCAD format.
10. Design should be required for all electrical and mechanical equipment/machinery.

E. **Design of Pipe line with necessary calculations and by considering projected requirement by using Water GEMS or similar types of software complete in all respect as per direction of E.I.C.**

F. **Drafting & BOQ with 3 (three) years operation and maintenance will be based on latest SOR.**

G. **Preparation of DPR for rehabilitation work and laying of raw water pipe.**

H. **Reports to ADDA**

Main report: This report will represent the project background, details of survey and investigations, inferences, designs etc. broadly pertaining to topographic survey, and design new structure, protection work and drains and rehabilitation of old structure if any, Drainage studies and design, recommendations and conclusions. Six hard copies in colour print of drawing in A3/A2 size print and three soft copies of DPR (including a copy in editable format) should be submitted in consultation with the Executive Engineer, Asansol, ADDA. **Rate analysis** of all items of works should be adopted as per West Bengal Scheduled of Rates. In case of items for which rate is not available in West Bengal schedule, consultant shall use PWD /PHE SOR or analysis rate on the basis of market rate. **Bill of quantities:-** Detailed item-wise estimate and framing of sub-head wise and item wise bill of quantities (Priced/Unpriced) with rate analysis. **Above mentioned all design & drawing should be vetted from any government. Institution such as Jadavpur, Shibpur, NIT etc. Proposed DPR/scheme should vetted from any Govt. such P.W.D, KMDA,etc.**

I. Electrical and Electro- Mechanical requirement for Augmentation of Mangalpur water Project

1. Electrical load calculation sheets for RWPH and WTP considering all components.
2. Determination of Transformer capacity.
3. SLD for RWPH and WTP to be prepared covering all components..
4. DPR should be prepared considering Erection, Testing & Commissioning of all electro-mechanical equipments related to Sub-station, RWPH and WTP.
5. Cable size calculation and clear demarcation of cable routes must be incorporated for all requisite parts.
6. Proper calculation based Design, to be prepared covering all electrical and electro-mechanical items which are require for proper functioning of entire system. All drawing should also be prepared accordingly. Due Consideration must be given to maintain adequate reserve/stand by capacity. Application of VT Pumps should be avoided as far as possible.
7. Sufficient illumination level should be considered for internal and external areas for RWPH and WTP.
8. Proper and adequate earthing arrangement should be considered for all electrical components as per requirement & as approved by the Department.
9. Detail drawing for:- i) Cable – layout
ii) Internal and External illumination arrangement
iii) Earthing Layout.
iv) GA for Sub-station at two places.
v) All control panels.
vii) All other parts except points (i) to (v)
10. APFC Panel of requisite capacity should come under consideration.
11. All statutory charges must be considered for 11kV supply from WBSEDCL.
12. DPR preparation must be done with the condition that approval from Directorate of Electricity Govt. Of West Bengal to be arranged by successful bidder.
13. Instrumentation part should cover all requisite items and to be submitted with SLD and detail drawing etc.
14. EOT, HOT and other hoisting and holding arrangement should be considered for both places.
15. All designs, Drawing, Estimates etc. to be vetted as per departmental instruction.

2. General Terms & Conditions

1. In the event of e-filling, intending bidder may download the tender documents from the website: <https://wbttender.gov.in> directly with the help of Digital Signature Certificate. Technical Bid and Financial Bid both will be submitted concurrently duly digitally signed in the <https://etender.wb.nic.in>. Tender document may be downloaded from website & submission of Technical Bid/Financial Bid.
As per notification no.- 199-CRC/2M-10/2012 dt.21.12.2012 of the Secretary, Govt. of West Bengal, the intending tenders shall not have to pay the cost of tender documents in case of participation in e-tender except the lowest tenderer at the time of formal agreement.
2. The process of deposit of earnest money through offline instruments like Bank Draft, Pay Order etc. will be stopped for e-tender procurement of this Division wef. 01.10.2015. Necessary Earnest Money will be deposited by the bidder electronically: online – through his net banking enabled bank account, maintained at any bank or: offline – through any bank by generating NEFT/ RTGS challan from the e-tendering portal. Intending Bidder will get the Beneficiary details from e-tender portal with the help of Digital Signature Certificate and may transfer the EMD from their Respective Bank as per the Beneficiary Name & Account No., Amount, Beneficiary Bank Name (ICICI Bank) & IFSC Code and e-Proc Ref No. Intending bidder who wants to transfer EMD through NEFT/RTGS must read the instruction of the Challan generated from E-Procurement

D) Date & Time Schedule :-

Sl.No.	Particulars	Date & Time
1	Date of start online downloading the document etc.	07.07.2022 from 10:00 Hrs. IST
2	Date of closing online downloading the document etc.	22.07.2022at17.00 Hrs. IST.
3	Date of closing online submission of Technical & Financial Bid.	22.07.2022at17.00 Hrs. IST.
4	Date of opening of Technical Bid at Office of the Executive Engineer, ADDA(CIVIL), Asansol.	25.07.2022at14.30Hrs. IST.
5	Date of Opening of Financial Bid at the Office of the Executive Engineer, ADDA (Civil), Asansol.	To Be Intimated Letter

E) Security Deposit :

10% of quoted amount i.e the security money will be released after six month from date of final submission of DPR

F) Earnest Money:

- a. Earnest money Rs. 20,000.00 will be submitted in the form of bank draft at the time of submission. Difference amount between 2% of quoted amount and Rs. 20,000/- is to be submitted by the successful L1 bidder before issuance of work order. Bank draft should be issued by any Nationalized Bank in favour of ADDA payable at Asansol.
- b. **Earnest Money deposit of money it should compulsorily be deposited on-line by the bidders. The L1 bidder shall submit the hard copy of the documents to the tender inviting authority with his acceptance letter of the LOIAs per memorandum no.1592-F(Y) DATED 20.03.2014. Failure to submit the hard copy with the acceptance letter within the time period prescribed for the purpose may be construed as an attempt to disturb the tendering process and dealt with accordingly legally including blacklisting of the bidder.**
- c. The Tenderer's own responsibility and risk is encouraged to visit and examine the site of works and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for the work as mentioned in the Notice Inviting Tender, the cost of visiting the site shall be at the Tenderer's own expense.
- d. Prospective applicants are advised to note carefully the minimum qualification criteria as mentioned in 'Instructions to Tenderers' before bidding.
- e. In case of Ascertaining Authority at any stage of application or execution of work necessary registered power of attorney is to be produced.
- f. No **CONDITIONAL / INCOMPLETE TENDER** will be accepted under any circumstances.
- g. In case of Quoting rates no multiple lowest rate will be entertained by the Department.
- h. The Executive Engineer, ADDA, Asansol. Reserve the right to cancel the e-N.I.T. due to unavoidable circumstances and no claim in this respect will be entertained.
- i. During scrutiny, if it is come 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.
- j. Before issuance of the work order, the tender inviting authority may verify the credential and other documents of the lowest tenderer if found necessary. After verification, if it is found that such documents submitted by the lowest tenderer is either manufacture of false in that case, work order will not be issued in favour of the lowest tenderer under any circumstances.
- k. If any discrepancy arises between two similar clause on different notifications, the clause as started in later notification will supersede former one in following sequences :-
 - a. Prescribed ADDA tender form
 - b. NIT
 - c. Technical Bid
 - d. Financial Bid
- l. **All materials and also necessary tools & plants will be supplied by concerned agency for above mentioned work as per requirement.**

- m. All materials should be approved by E.I.C. and also as per requirement, the cost of testing and other incidental charges will be borne from end of the concerned executing Agency.
- n. As per order no. 4608-F(Y) dt. 18.07.18 of Finance Department, Govt. of West Bengal, additional performance security @10.00% of the tendered amount shall be obtained from the successful bidder if the accepted bid value is 80% or less of the estimated amount put to tender i.e. if the successful bidder quotes a rate 20% or more less than the schedule of rates put in tender. The additional performance security will have to be deposited by the successful bidder in the form of Bank Guarantee drawn on any nationalized bank before issue of work order.

The right of final acceptance of the proposal of consultant is entirely vested with the Executive Engineer, ADDA, Asansol who reserves the right to accept or reject any or all the financial and technical bid in full or parts without assigning any reason whatsoever. The decision of this authority in respect of opening of the financial bid shall be final.

NOTE: 1. In case of any Unscheduled Holiday on the aforesaid dates, the next working date will be treated as scheduled prescribed date for the same purpose.

2. Before quoting rate the bidder should visit the site and should be fully acquainted with it.

3. For any details the bidder can visit ADDA Office, Asansol.

INSTRUCTION TO TENDERER

SECTION - A

1. General guidance for e-Tendering

Instructions / Guidelines for tenders for electronic submission of the tenders online have been annexed for assisting the contractors to participate in e-Tendering.

2. Registration of Contractor

Any contractor willing to take part in the process of e-Tendering will have to be enrolled and registered with the Government e-Procurement system; through logging on to <https://wbtenders.gov.in> (the web portal of West Bengal State Government) the contractor is to click on the link e-Tendering site as given on the web portal.

3. Digital Signature Certificate (DSC)

Each contractor is required Digital Signature Certificate (DSC) for submission of tenders, from the approved service provider of the National Information's Centre (NIC) on payment of requisite amount. Details are available at the said Web Site.

4. The contractor can search & download e-NIQ& Tender Documents electronically from computer once he logs on to the website mentioned in Clause 2 using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

5. Submission of Tenders.

General process of submission, Tenders are to be submitted online through online the website stated in Clause 2 of section-A in two folders at a time for each work, one in Technical Proposal and the other is Financial Proposal before the prescribed date and time using the Digital Signature Certificate (DSC) the documents are to be uploaded virus scanned copy duly Digitally Signed. The documents will get encrypted (transformed into non readable formats).

A. Technical proposal

The Technical proposal should contain scanned copies of the following further two covers (folders).

Folder-1 Contains

- I. Prescribed ADDA tender form.
- II. e- NIT.
- III. Technical Bid (as prescribed in the e-NIT).

Folder-2 Contains

- I. Financial bid (BOQ)

Note: Failure of submission of any of the above mentioned documents as stated in as 'Folder-1&2' will render the tender liable to summarily rejected for both statutory & non-statutory cover.

B. Tender Evaluation Committee (TEC)

- i. Opening of Technical proposal :-

Technical proposals will be open by the Executive Engineer, ADDA, Asansol or his authorized representative electronically from the web site stated in Cl. No.-3of section-A. using their Digital Signature Certificate.

- ii. Folder-I.I (vide Cl. No.- 5 of section-A) should be open first & if found in order. Folder-I.II,III & IV (vide Cl. No.- 5 of section-A) will be opened. If there is any deficiency in the documents, tender will summarily rejected.
- iii. Decrypted (transformed in to readable formats) documents of the Folder-I as per Cl. No. 5 of section-A. will be downloaded and handed over to the tender evolution committee.
- iv. Uploading of summary list of technically qualified tenderers.
- v. Pursuant to scrutiny and decision of the screening committee the summary list of eligible tenders of work will be uploaded in the web portals before 48 hours of opening of financial bid.
- vi. While evaluation the committee may summon of the tenders and seek clarification / information or additional documents or original hard copy of any of the documents already submitted and if these are not produced within the stipulated time frame, their proposals will be liable for rejection.
- vii. Intending tenderers may remain present if they so desire.

C. Financial Proposal

- i. The financial bid should contain the following documents in folder-2 i.e. Bill of quantities (BOQ) the contractor is to quote the rate (Presenting Above / Below / At per) online through computer in the space marked for quoting rate in the BOQ.
- ii. Only downloaded copies (".xls" file with same name) of the above documents are to be uploaded after virus scanned and Digitally Signed by the contractor. Intending tenderer may remain if they so.

6. Rejection of Bid

The Employee reserves the right to accept or reject any bid and to cancel the Tenderer process and reject all bids at any time prior to the award of contract without there by incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the ground for Employee's action.

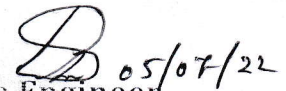
7. AWARD OF CONTRACT

The Tenderer whose Bid has been accepted will be notified by the Tender Inviting & Accepting Authority through acceptance letter.

The notification of award will constitute the formation of the Contract.

The Agreement in Prescribed ADDA tender form will incorporate all agreement between the Tender Accepting Authority and the successful Tenderer. All the tender documents including e-NIT & BOQ will be the part of the contract document.

• **Note :-1. Undersigned is not disbursing authority of the following works. 2. Any Corrigendum and addendum will be published through ADDA website: www.addaonline.in or www.wbtenders.gov.in**


Executive Engineer

Asansol Durgapur Development Authority
Asansol.

Memo No.:- ADDA/ASN/ED/ NIQ-04(2022-23)/ 332

Date: 05.07.2022

Copy forwarded for information and necessary action please:-

1. The Hon'ble MIC Law & PWD Department, Govt of West Bengal.
2. The ZilaSabhadipati, Paschim Bardhaman
3. The Hon'ble Chairman, ADDA
4. The Hon'ble Vice-Chairman, ADDA
5. The C.E.O., ADDA.
6. The Addl. Chief Engineer, ADDA.
7. The Joint Secretary, U.D. & M.A., Department, Govt of West Bengal, Kol-64.
8. The S.D.M., Asansol
9. The A.E.O., ADDA, Asansol
10. The F.O., ADDA, with a request to be present or send his representative during tender opening on specified date & time.
11. The Executive Engineer (Electrical), ADDA, Asansol
12. The Assistant Engineer (Civil & Electrical), ADDA, Asansol
13. The S.A.E., (C.Mondal), ADDA, Asansol
14. Notice Board, ADDA, Asansol
15. Sri Pradip Banerjee (Durgapur) with the request to upload the same on ADDA website.
16. File Copy


Executive Engineer

Asansol Durgapur Development Authority
Asansol.

To be filled in by the tenderer/Bidders & to be submitted with the technical bid)

ANNEXURE-I

Name of the Work/Tender :

N.I.T No.& Sl. No. with date :

1. Name of the contractor/ Agency/ Bidder :

2. Address:

• Head Office :

• Branch Office :

• Correspondence Address :

3. Contact No.

• Mobile No. :

• Telephone No. :

• Fax No. :

• E-mail Address :

4. PAN No. :

5. GSTIN. No. : Valid Up to.....

6. List of Credential Submitted with the Tender Documents in technical part :-

i.

ii.

iii.

iv.

.....
Name of the Contractor/tenderer
the authorized signatory.

.....
Full Signature of

.....
Initial of contractor/Tenderer