



**GOVERNMENT OF ODISHA
DEPARTMENT OF WATER RESSOURCES**

**Tender Reference No.: SEABD-04 of 2026-27
Bid Id. No. ABP-ABD-04 of 2026-27**

Request for Proposal for the work

Geophysical Investigation involving Electrical Resistivity Tomography (ERT), Seismic Refraction Tomography (SRT), Multichannel Analysis of Surface Waves (MASW) and Spontaneous Potential (SP) of Anandapur Barrage, Odisha.

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SECTION – I

DETAIL NOTICE INVITING TENDER

GOVERNMENT OF ODISHA
OFFICE OF THE SUPERINTENDING ENGINEER,
ANANDAPUR BARRAGE DIVISION, SALAPADA.

(E-Mail Id: eeabd.anandapur@gmail.com)

E-procurement Notice No. SEABD-04 of 2026-27

E-Procurement officer	Name of the work	Bid Id No.	Tender cost in Lakh (Appx.)	EMD (Online)	Cost of Bid Document (Online)	Class of Contractor	Period of Completion	Availability of tender online for bidding		Date of opening
								From	To	
Superintending Engineer, Anandapur Barrage Division, Salapada	Geophysical Investigation involving Electrical Resistivity Tomography (ERT), Seismic Refraction Tomography (SRT), Multichannel Analysis of Surface Waves (MASW) and Spontaneous Potential (SP) of Anandapur Barrage, Odisha.	ABP-ABD-04 of 2026-27	18.00	40000/-	6000/-	Any registered firm	01 (One) Calendar months	25.06.2026 11.00 A.M	07.07.2026 05.00 P.M	08.07.2026 11.30 A.M

Further details can be seen from the Govt. website www.tendersorissa.gov.in/www.dowrodisha.gov.in
Addendum/ corrigendum/ cancellation if any required will be published in Govt. website only.

Sd/-
 Superintending Engineer,
 Anandapur Barrage Division,
 Salapada.

2. Particulars of DTCN

- a) Name of Department : Department of Water Resources, Govt. of Odisha.
- b) Notice Number : **SEABD-04 of 2026-27.**
- c) Period of Contract : 01 (One) Calendar months
- d) Form of Contract : Request for Proposal (RfP)
- e) Qualification of bidders : Bidder/consortium *must be* a Company as registered under Indian Companies Act, 2013 or a Society registered under The Societies Registration Act, 1860 or a Trust registered under the Indian Trusts Act, 1882 or a Partnership Firm registered under the Indian Partnership Act, 1932 or a Limited Liability Partnership registered Under the Limited Liability Partnership Act, 2008 or any registered contractor/bidder under PWD registration rules, Odisha. Service.
- f) Category : Consultancy Services
- g) EMD/Bid Security : **Rs. 40000/-** is to be transferred through online or through Bank Guarantee (Annexure-I) Insurance surety bond issued by an insurance company authorized by the Insurance Regulatory And Devolvement Authority of India.
- h) Cost of Tender Document : **Rs. 6000.00** to be transferred online (Non-Refundable)
- i) Bid Submission : Technical and Price bid by Online.
- j) Bid Validity : **90 days** from last date of submission of bid.
- k) Price Bid opening Date : Date & Place of Opening of Price Bid shall be notified by the SE, ABD
- l) Performance Security Deposit : After acceptance of the tender, 10% of the accepted amount will be deposited by the bidder in shape of NSC / Post office Saving Account/ Post office Time Deposit Account/ Kishan Vikas Patra/ Bank Guarantee pledged in favour of Superintending Engineer, Anandapur Barrage Division, Salapada on any Nationalized/Scheduled Commercial Bank in India counter guaranteed by its local branch at Bhubaneswar or anywhere within the state of Odisha. The Bank Guarantee is to be produced in shape of unconditional and irrevocable Bank Guarantee in the standard format on any Nationalized/ Scheduled Commercial Bank located anywhere in the country with branches at Bhubaneswar with facility of

authentication & encashment of BG at local Branch at Bhubaneswar and insurance surety bond.

m) Download of tender Documents :

The tender documents are available from the date **25.06.2026 at 11.00 AM to 07.07.2026 up to 5.00 P.M.** in the website www.tendersodisha.gov.in. Interested bidders can view these bid documents online and can download tender documents. Bidders who wish to submit their offer shall pay required tender document fees in online mode.

9.0 OPENING OF TENDER

The Technical Bid will be opened on dated **08.07.2026 at 11.30 AM** through website www.tendersodisha.gov.in as mentioned above. Intending bidders or their representatives who wish to participate in on line opening can log on to www.tendersodisha.gov.in on the due date and time after online opening of the bid by the authorized officer. The bidders or only one authorized representative who wishes to remain present at the time of opening of technical bid can do so. The Price Bid will be opened after approval of Technical Bid by the competent authority.

10.0 GENERAL INSTRUCTIONS

- 10.1 The cost of bid document will not be refunded under any circumstances.
- 10.2 Required EMD through online or through Bank Guarantee as specified in bid document shall be accepted. No exemption of EMD or performance security is allowed.
- 10.3 The offer rate shall be valid for ninety (90) days from last date of submission of bid.
- 10.4 Tenders without cost of tender fees, Earnest Money Deposit (EMD), Affidavit regarding authenticity of documents and which do not fulfill all or any of the condition or submitted incomplete in any respect will be rejected.
- 10.5 Conditional tender shall not be accepted.
- 10.6 The Superintending Engineer, Anandapur Barrage Division, Salapada, reserves the right to accept or reject any or all tenders without assigning any reason thereof.
- 10.7 The bid document shall form a part of contract and only required documents need to be uploaded during online bid submission for evaluation of bid.
- 10.8 The bidders are advised to read carefully the "Instruction to Bidders" contained in the tender documents.
- 10.9 The details of the above notice will be available on www.tendersodisha.gov.in.
- 10.10 Scanned copy of documents such as (i) PAN and (II) Registration Certificate (RC)/ GST Registration Certificate and GSTIN (for procurement of goods) of the concerned bidder (III) Receipt in support of online payment of tender cost, EMD etc. shall be uploaded in designated section.
- 10.11 The dates stipulated in the DTCN are firm and under no circumstances they will be relaxed unless officially extended/modified.
- 10.12 The Bid value should be exclusive of GST. The GSTIN invoice should be submitted by the Contractor at the time of preparation of the work Bill to the concerned Junior Engineer/ Assistant Engineer with a copy to the Divisional Office for enabling the Division to make necessary Payment.
- 10.13 On no account, the contract work should be sublet to anybody without prior approval of tender accepting authority of the Department. In such an event the contract may be rescinded.

10.14 Other terms and conditions shall be applied as per terms and condition of the tender documents.

Further details can be seen from e-Procurement portal
<https://tendersodisha.gov.in>

SECTION: II
INSTRUCTION TO BIDDER

SECTION: II
INSTRUCTION TO BIDDER

1. Background:

Anandapur Barrage is a major irrigation barrage under the Department of Water Resources, Odisha, constructed under the guidance of Central Water Commission in the year 2019 across the Baitarani River in Keonjhar district, Odisha, with the objective of augmenting irrigation and improving water availability in the command areas of Keonjhar and Balasore districts. The barrage site is located at latitude 21°0'13" N and longitude 86°0'08" E. The barrage is approximately 491.6 m long with a maximum foundation depth of about 22 m. The structure comprises 25 spillway bays and has a water holding capacity of about 3556 Ham. It forms an important component of the Anandapur Barrage Project, fed by a catchment area of about 8570 km² and serving a command area of nearly 60,000 hectares.

Information regarding seepage activities beneath the foundation, is needed to be investigated in order to assess the foundation condition of the barrage, detailed geophysical investigations are proposed along the entire length of the barrage covering the CC block areas.

Subsoil exploration through Electrical Resistivity Tomography (ERT) is required to assess sub soil seepage conditions, position of cut-offs, ascertain the depth to rock bed beneath the foundation, and evaluate the present structural condition of the barrage.

Geophysical technology can be helpful for assessment of foundation condition and its quality, poor zones/seepage zones and engineering properties of the foundation in a faster and economic way in comparison to conventional methods like drilling. In Geophysical investigation, ERT survey is helpful in providing the depth of foundation grade material and its quality along with expected poor zones/seepage zones. SRT survey is useful for assessment of foundation depth and its quality. Similarly, MASW can provide the shear wave velocity section along the profile. Combining the results of both SRT and MASW the engineering parameters can be estimated. Utilizing the results of ERT, SRT and MASW geophysical investigation can provide the following parameters.

- **Geological section**
- **Overburden-bedrock contact**
- **Deformation Modulus**
- **Modulus of Elasticity**
- **Poisson's Ratio**
- **Cohesion (C)**
- **Angle of friction (ϕ)**

Salient features of the Anandapur Barrage Project

I. GENERAL

1. STATE	ODISHA.
2. DISTRICT	KEONJHAR
3. SUB-DIVISION	ANANDAPUR
4. VILLAGE	ANANDAPUR
5. RIVER	BAITARANI
6. BASIN	BAITARANI

II. HYDROLOGY

1. CATCHMENT AREA	8570 SQKM.
2. 75% DEPENDABLE YIELD	88797 HAM.

III. FLOOD

DESIGN FLOOD AT BARRAGE SITE	
(100 YEARS)	12172 CUMECS.
(500 YEARS)	15520 CUMECS.

IV. PRINCIPAL LEVEL

1. POND LEVEL	44.00 M.
2. CREST LEVEL (BARRAGE BAY/UNDER SLUICE)	35.00 M/34.00M.
3. DEEPEST BED LEVEL	30.40M
4. TOP OF AFFLUX BUNDH	47.50 M.

V. BARRAGE

1. LOCATION	LAT. 21° 13N LONG 86°8E VILLAGE ANANDPUR
2. LENGTH OF BARRAGE	491.60 M.
3. NO. OF BAYS	RIVER BAYS: 25 NOS. 8 NOS.
4. SIZE OF GATES UNDER SLUICES:	RIVER BAYS 25 NOS (12M X 9M) 8NOS (12M X 10M)
5. TYPES OF GATE	VERTICAL LIFT GATE

VI. DETAILS OF COMMAND AREA

1. G.C.A	67500 HA.
2. C.C.A	60000 HA.
3. IRRIGATION	
3.1. KHARIFF	56720 HA.
3.2. ANNUAL	56720 HA.

VII. HOISTING ARRANGEMENT

SPILLWAY	BAY-	ROPE	DRUM	HOIST	CAAPACITY-
	90T(15HPMOTTOR)				
UNDER SLUICE BAY	-ROPE	DRUM	HOIST	CAPACITY-	100T (15HP
	MOTTOR)				
LEFT HR	- ROPE	DRUM	HOIST	CAPACITY	-15T (5HP MOTTOR)
RIGHT HR-	SCREW	HOIST			
STOP LOG (BARRAGE GATE)-	33 NOS	OF SIZE	12MX1.15M	(4 SET)	
STOP LOG (LEFT HR)-	4 NOS	OF SIZE	6MX1.05M	(1 SET)	

VIII. CANAL DETAILS

Sl. No.	Canal Details	Length (Km.)	Head Discharge (Cumecs)	Bed Width (M)	FSL (M)	CCA (Ha)
1.	Baitarani Left Bank Canal	28.50	165.00	25.50	43.70	2221
2.	Baitarani Right Bank Canal	9.00	10.00	8.00	43.70	1229
3.	Salandi Main Canal	73.003	96.70	36.55	39.62	56550

2. DEFINITIONS

2.1. Government / Owner / Employer: Means the Government of Odisha / Department of Water Resources (or Employer or Owner).

2.2 Engineer /Engineer-in-Charge: Means the Superintending Engineer/ Executive Engineer in charge of works, specified parts of the works under the contract or such other departmental Assistant Executive Engineer, Assistant Engineer or Junior Engineer to whom the Engineer-in-charge may delegate certain duties, acting separately within the scope of the particular duties entrusted to them.

The Bidder will be given a copy of the authorization designating the Engineer-in-charge by designation and delegating him his authority at the time when contract is signed. It is however, to be distinctly understood that, no delegation of powers shall be made to such departmental assistants or subordinates, except in respect of supervision to ensure compliance of the contract conditions.

2.3 “Project” shall mean “Geophysical Investigation involving Electrical Resistivity Tomography (ERT), Seismic Refraction Tomography (SRT), Multichannel Analysis of Surface Waves (MASW) and Spontaneous Potential (SP) of Anandapur Barrage, Odisha for ABP proposed for implementation by the Government in the State of Odisha over a period.

2.4 “RfP” i.e. **“Request for Proposal”** shall mean document consisting of ITB, GCC, Scope of Works, Manpower/ staff requirement, Forms of Techno-Commercial Proposal, Price Proposal and Contract FORMS & Annexure for submission of bid.

2.5 “Bid” shall mean Techno-Commercial Proposal & Price Proposal in prescribed FORMS submitted in pursuance to RfP document.

2.6 “Bidder” shall mean one Agency to carry out “Geophysical Investigation involving Electrical Resistivity Tomography (ERT), Seismic Refraction Tomography (SRT), Multichannel Analysis of Surface Waves (MASW) and Spontaneous Potential (SP) of Anandapur Barrage, Odisha”, who quotes against this bid document, issued by the Owner and shall include his heirs, legal representatives, successors and permitted assigns.

2.7 “Validity of the Bid”:the bidder shall keep the bid unchanged (that is, the Bidder shall remain committed to perform the full scope of work and responsibilities as defined in RfP as per its submitted bid) during the period indicated in ITB as the “period of validity of bid”, or in any extended period as agreed to by the bidder.

2.8 “LOA” i.e. **“Letter of Acceptance”** shall mean the official letter issued by the Owner notifying the successful bidder that his bid has been accepted and it shall include amendments thereto, if any, issued by the Owner.

2.9 “Month” shall mean the calendar month and **“Day”** shall mean the calendar day.

2.10 “Manpower Charges” i.e. **“Remuneration on “Cost to Company Basis”** shall mean quotes in respect of staff engaged by the bidding Company with reference to this bid document based on all-inclusive cost including the Salary, Perks, benefits,

- Cost related to hiring, Training, retirement benefits, Statutory Contributions etc. incurred or yet to be incurred.
- 2.11 “Contract”** shall mean the agreement signed by the Authorised representatives of Owner and the Selected bidder covering “the GCC, Scope of Works, Techno-Commercial Bid & Price Bid submitted by the Bidder, Letter of Award” including amendments and clarifications thereto, if any, issued by the Owner.
- 2.12 “Effective Date of the Contract”** shall mean the date of signing of the contract for the work.
- 2.13 “Work Contract”** shall mean contract awarded for construction of “Repair, renovation and installation of appliances for instrumentation of Anandapur Barrage across river Baitarani at Anandapur” work of the project.
- 2.14 “Person”** Words imparting ‘Person’ shall include firms, companies, corporations and associations or bodies of individuals, whether incorporated or not.
- 2.15 “Other Terms & Expression”** Terms and expressions not herein defined shall have the same meaning as are assigned to them in the Indian Contract Act (1872) and failing that in the General Clauses Act (1897) including amendments thereof, if any.
- 2.16 “Contract Period”** shall start from the date of Letter of Acceptance and it shall include eighteen months from the **Effective Date of the Contract**, and extensions, if any, thereof.
- 2.17 “Consortium”** means an association of more than one entity where one member has the authority to conduct all businesses for and on behalf of any and all the members of the association and are jointly and severally liable to the Procuring Entity for the performance of the contract.

3. Pre-Qualification Criteria:

Before opening and evaluation of the technical proposals, each bidder/consortium of Bidders will be assessed based on the following pre-qualification criteria. The bidder/consortium of Bidders is required to produce the copies of the required supportive documents / information as part of their technical proposal failing which the proposals will be rejected.

Sl. No.	Eligibility Criteria	Supportive Documents
a	Bidder/consortium <i>must be</i> a Company as registered under Indian Companies Act, 2013 or a Society registered under The Societies Registration Act, 1860 or a Trust registered under the Indian Trusts Act, 1882 or a Partnership Firm registered under the Indian Partnership Act, 1932 or a Limited Liability Partnership registered Under the Limited Liability Partnership Act, 2008	Certificate of Incorporation/Partnership deed/Service Tax Registration/ PWD registration Certificates
b	The bidder / consortium members should have been in the business for more than 05 years from the date of Incorporation on the last date of submission of the proposal.	
c	Bidder/Lead member partner consortium must have successfully completed (80% of original contract value of similar work) for at least one similar work comprising of “Repair, renovation and installation of appliances for instrumentation of Anandapur Barrage across river Baitarani at Anandapur” Project of value not less than Rs. 7,20,000.00 at financial year 2026-27 price	Copies of Work Order /Contract Document /Completion Certificate from the Clients

	level in any sector under Central / State Govt./ Externally Aided Projects / Autonomous bodies operated under Govt. administrative control/ International and National Organization during the last five Financial Years including current financial year. Weightage of 10% per year shall be given on cost of the satisfactorily completed works of previous years to bring them to the current price level.	
d	The Applicant should have in the last 5 financial years (from FY-2021-22 TO FY 2025-26) achieved a minimum annual turnover of RS 3,24,0000.00 in all types of Civil Engineering works only at FY- 2024-25 price level in any one financial year. Weightage of 10% per year shall be given on financial turnover of previous years to bring them to current price level.	Financial Details of the bidder (TECH - 3) along with copies of the audited balance sheet and Income & Expenditure Statement duly sealed and certified by the CA and the authorized representative of the bidder/consortium Bidders.
e	Bidder/Lead partner shall furnish an affirmative statement as to the existence of any potential conflict of interest on the part of the bidder due to prior, current, or proposed agreements, engagements or affiliations with the Client.	Self-Declaration from the Bidder/Lead Bidders as per the format (TECH-6)
f	In case of consortium of , the members shall Submit a Power of Attorney in favor of the lead Bidder.	Copy of power of attorney.

For the purposes of this RFP, consortiums are allowed. The lead partner in the consortium shall be solely responsible for delivery of services envisaged under this RFP.

- 3.1 The consortium partner(s), through a consortium agreement / MOU duly signed by the authorized signatories, shall designate the roles of each partner.
- 3.2 Consortium must collectively and individually satisfy Minimum Annual Turnover proportionately as defined in the consortium agreement.
- 3.3 The lead member / partner of the consortium should meet the eligibility criteria as stipulated in eligibility criteria.
- 3.4 The consortium agreement shall designate one of the partner to be the coordinator (Lead Bidder) with the client and shall be authorized to receive instructions for and on behalf of partners of the consortium, located in Odisha.
- 3.5 All statutory documents of the consortium shall be furnished.
- 3.6 The consortium and its members shall be jointly and severally responsible and be held liable for the purpose of guaranteed obligation and any other matters as required under the contract and shall be responsible for execution of the assignment.
- 3.7 The consortium shall have a maximum of two members.

4. Bid Processing Fee:

The bidder must furnish as part of technical proposal, the required bid processing fee amounting to **Rs 6000 /-(Six thousand Only)** to be transferred online (Non-Refundable). Proposals received without bid processing fee will be outrightly rejected.

5. Earnest Money Deposit (EMD):

The bidder must furnish, as part of the technical proposal, an Earnest Money Deposit (EMD) is to be transferred through online or through Bank Guarantee (Annexure-I). The EMD of unsuccessful bidders shall be refunded after finalization of selection process and award of contract. The EMD will be forfeited on account of the following reasons:

- Bidder withdraws its proposal during the bid validity period as specified in RFP
- Bidder does not respond to requests for clarification of its proposal.
- Bidder fails to provide required information during the evaluation process or is found to be non-responsive or has submitted false information in support of its qualification.
- If the bidder fails to
 - Provide any clarification to the Client
 - Agree to the decision of the contract negotiation meeting
 - Sign the contract within the prescribed time period
- Any other circumstance which holds the interest of the Client during the overall selection process.

6. Performance Security Deposit:

After acceptance of the tender, 10% of the accepted amount will be deposited by the bidder in shape of NSC / Post office Saving Account/ Post office Time Deposit Account/ Kishan Vikas Patra/ Bank Guarantee pledged in favour of Superintending Engineer, Anandapur Barrage Division, Salapada on any Nationalized/Scheduled Commercial Bank in India counter guaranteed by its local branch at Bhubaneswar or anywhere within the state of Odisha. The Bank Guarantee is to be produced in shape of unconditional and irrevocable Bank Guarantee in the standard format on any Nationalized/ Scheduled Commercial Bank located anywhere in the country with branches at Bhubaneswar with facility of authentication & encashment of BG at local Branch at Bhubaneswar/ Insurance surety bond issued by an insurance company authorized by the Insurance Regulatory And Devolvement Authority of India.

7. Validity of the Proposal:

Proposals shall remain valid for a period of **90 days (Ninety Days)** from the last date of submission of Bid. The Client reserves the rights to reject a proposal valid for a shorter period as non-responsive and will make the best effort to finalize the selection process and award of the contract within the bid validity period. The bid validity period may be extended on mutual consent.

8. SUBMISSION OF PROPOSAL

- 8.1 The bidders shall submit their tender online only. In case of any failure, malfunction or breakdown of electronic system used during the e-procurement process, the tender inviting authority shall not accept any responsibility for failure or breakdown other than in those systems strictly within their own control.
- 8.2 The e-procurement applications are PKI (Public Key Infrastructure) enabled and supports the Digital Signature Certificates (DSC) of appropriate class issued from a registered Certifying Authority (CA) as stipulated by Controller of Certifying Authorities (CCA), Government of India such as n-code, Sify, TCS, e-Mudhra etc., for signing the bids at the time of submission by agency. The contractor has to procure

Digital Signature Certificates issued by above authority as per the procedure. This process should be completed before award of the work. Digitally signed bids are to be submitted electronically through e-procurement, without which the tender will not be considered for opening the Price Bid.

- 8.3 Suitable training will be given by **State Procurement Cell, Nirman Soudh, Bhubaneswar** to the bidders interested to know the procedure of bid submission on e-procurement platform. The telephone No is 18003456765 (Toll free), 0674-2530998.
- 8.4 The bidders would be required to register on the e-procurement market place www.tendersorissa.gov.in and submit their bids online. The Department will not accept any bid submitted in the paper form. The bidders should quote their Tender contract price at the prescribed field / place provided in the e-market place.
- 8.5 The bidder may ask question online in the e-procurement portal using his/her DSC, provided the questions are raised within the period of seeking clarification as mentioned in the particular of tender. The officer inviting tender will clarify queries related to the tender.
- 8.6 Intending bidders can contact the office of the Superintending Engineer, Anandapur Barrage Division, Salapada and Superintending Engineer, Anandapur Canal Division, Salapada for any clarification, information on any working day during working hours. No clarification will be entertained after the prescribed date for the said purpose.
- 8.7 The bidders are requested to submit the bids in single stage with double covers. Cover-I -Technical Bid (Qualification Criteria) and Cover-II - Financial Bid in separate.
- 8.8 All Bidders including Consortia should submit the certified copies and fulfill the following criteria.

COVER-I: TECHNICAL BID (Qualification Criteria) This will contain the following documents in three PDF files:

The bid shall include all the information listed as below: -

The bidder/consortium of Bidders have to furnish the following documents duly signed and along with their Technical Proposal:

- ✓ Covering letter (**TECH-1**) on bidder's letter head requesting to participate in the selection process.
- ✓ Bid Processing Fee & Earnest Money Deposit (EMD) as applicable.
- ✓ Copy of Certificate of Incorporation/Registration.
- ✓ Copy of PAN.
- ✓ Copy of Goods and Services Tax Identification Number (GSTIN)
- ✓ Copies of IT Return for the last **5** assessment years
- ✓ General Details of the Bidder (**TECH-2**).
- ✓ Financial Details of the bidder (**TECH-3**) along with all the supportive documents as applicable duly signed and certified as per the instruction.
- ✓ Power of Attorney (**TECH - 4**) in favour of the person signing the bid on behalf of the bidder.
- ✓ List of completed assignments of similar nature (Past Experience Details, **TECH - 5**) along with copies of contracts / work orders / completion certificate from previous Clients.
- ✓ Self-Declaration on Conflict of Interest (**TECH-6**).
- ✓ Undertaking for not having been black-listed by any Central / State Government/Any other Autonomous Bodies /International & National Organisation in the recent past.
- ✓ Duly filled in Technical Proposal Forms **TECH - 7 to 10**.

- ✓ All the pages of the proposal and enclosures/attachments are signed by the authorised representative of the bidder.

Bidders should submit the required supporting documents as mentioned above. Bids not conforming to the eligibility criteria and non-submission of required documents as listed above will lead to rejection of the bid. Submission of forged documents will also result in rejection of the bid. Bidders are advised to study all instructions, forms, terms & conditions and other important information as mentioned in the RFP Document. The proposal must be complete in all respect. Each page should be numbered and signed by the authorised representative and to be uploaded in the portal.

Cover-2: Financial bid

This will contain Financial Bid (Appendix-FB), shall be uploaded in one file.

File – I: The Financial Bid (Appendix–FB) shall be in intelligent Excel format. This is to be downloaded from website, the lump sum price is to be filled up without any change in wording & format and uploaded.

1. **Tender in offline mode will not be accepted.**
2. The agency is expected to quote the bid price in Lump sum after careful analysis of cost involved for the performance of work complete considering all specification and conditions of contract. In case it is noticed that the price quoted by the Bidder is unusually high or unusually low, unless the Employer is convinced about the reasonableness of bid price on scrutiny of the analysis for such price to be furnished by the Bidder, it will be sufficient cause for the rejection of the bid.
3. If more than one bid is quoted (decimal up to two numbers will be taken for all practical purposes), either at the estimated cost put to tender or less than the estimated cost put to tender, the tender accepting Authority will finalize the tender through a transparent lottery system, where all the concerned bidders/their authorized representatives, the concerned SE/EE of the concerned Division and Divisional Accounts Officer (DAO) will remain present as per Works Dept. O.M. No.632/W dt.09.01.2026.

9. Opening of the proposal:

The FIRST COVER containing **TECHNICAL PROPOSAL** will be opened in the initial stage by the Client in presence of the bidder's representatives at the location, date and time specified in the e-tender portal.

10. Evaluation of Proposal:

A three stage evaluation process will be conducted as explained below for evaluation of the proposals:

- a. **Preliminary Evaluation (1st Stage):** Preliminary evaluation of the proposals will be done to determine whether the proposal comply to the prescribed eligibility condition and the requisited documents/information have been properly furnished by the bidder or not. Submission of following documents / information will be verified:
 - ✓ Covering letter (**TECH-1**) on bidder's letter head requesting to participate in the selection process.
 - ✓ Bid Processing Fee & Earnest Money Deposit (EMD) as applicable.
 - ✓ Copy of Certificate of Incorporation/Registration.
 - ✓ Copy of PAN.

- ✓ Copy of Goods and Services Tax Identification Number (GSTIN)
- ✓ Copies of IT Return for the last 5 assessment years
- ✓ General Details of the Bidder (**TECH-2**).
- ✓ Financial Details of the bidder (**TECH-3**) along with all the supportive documents as applicable duly signed and certified as per the instruction.
- ✓ Power of Attorney (**TECH - 4**) in favour of the person signing the bid on behalf of the bidder.
- ✓ List of completed assignments of similar nature (Past Experience Details, **TECH - 5**) along with copies of contracts / work orders / completion certificate from previous Clients.
- ✓ Self-Declaration on Conflict of Interest (**TECH-6**).
- ✓ Undertaking for not having been black-listed by any Central / State Government / Any other Autonomous Bodies / International & National Organisation in the recent past.
- ✓ Duly filled in Technical Proposal Forms **TECH - 7 to 10**.
- ✓ All the pages of the proposal and enclosures / attachments are signed by the authorised representative of the bidder.

****Bids not complying to any of the above requirement, will be outrightly rejected at the discretion of the Client's authority.***

- b. **FINANCIAL EVALUATION:** The financial proposals of the bidders qualifying the technical evaluation only shall be opened at this stage in the presence of the bidders or their representatives who wishes to attend the meeting with proper authorisation letter. The name of the bidder along with the quoted financial price will be announced during the meeting.

11. Evaluation Process :

Least Cost Selection method will be followed during the overall selection process. The financial bids of qualified bidders will be opened on the prescribed date in the presence of bidders' representatives. The bidder, who submits the lowest financial price bid shall be adjudged as the **L1 bidder** and shall be called for further process leading to the award of the contract. Only fixed price financial bids indicating total price for all the deliverables and services specified in this RFP document will be considered. In case of a tie with respect to the bid price for **L1**, the bidder having higher technical score will be considered the preferred bidder. Even after tie, the tender accepting authority will finalize the tender through a transparent lottery system, where all bidders / their authorized representatives, the concerned Superintending Engineer / Executive Engineer of concerned Division and DAO will remain present.

The bid price will include all taxes as applicable and excluding GST shall be in Indian Rupees. Prices quoted in the bid must be firm and final, and shall not be subject to any modifications on any account whatsoever. The Evaluation Committee will correct any computational errors. When correcting computational errors, in case of discrepancy between partial amount and the total amount, or between word and figures the former will prevail. All required items must be priced accordingly in the financial bid.

For the purpose of evaluation, the total evaluated cost shall be inclusive of all taxes & duties for which the Client will make payment to the Bidder including overhead expenses, such as travel, accommodation, logistics, training / workshop, preparation of

reports / formats, printing & other secretarial expenses etc.

12. Combined Evaluation:

If the bid has been invited in a common tender call notice for a number of works., the order of opening of the bids shall be that in which they appear in the 'Invitation for Bids'. Further, the bidder(s) must demonstrate having experience and resources sufficient to meet the aggregate of the qualifying criteria.

13. Contract Negotiation:

Contract negotiation, if required will be held at a date, time and address as intimated to the selected bidder/s. The bidder will, as a pre-requisite for attendance at the negotiations, confirm availability of all the proposed staff for the assignment. Representative conducting negotiations on behalf of the bidder must have written authority to negotiate and conclude a contract. Negotiation will be performed covering technical and financial aspects, if any and availability of proposed professionals etc.

14. Award of Contract:

After completion of the contract negotiation stage, the Client will notify the successful bidder in writing by issuing an offer letter for signing the contract and promptly notifying all other bidders about the result of the selection process. The successful bidders will be asked to sign the contract after fulfilling all formalities within 15 days of issuance of the offer letter. After signing of the contract, no variation or modification of the terms of the contract shall be made except by written amendment signed by both the parties.

15. Conflict of Interest:

Conflict of interest exists in the event of:

- (i) Conflicting assignments, typically monitoring and evaluation/environmental assessment of the same project by the eligible bidder;
- (ii) Bidders, agencies or institutions (individuals or organisations) who have a business or family relation with the Client directly or indirectly; and
- (iii) Practices prohibited under the anti-corruption policy of the Government of India and Government of Odisha. The bidders are to be careful so as not to give rise to a situation where there will be any conflict of interest with the Client as this would amount to their disqualification and breach of contract.

16. Disclosure:

Bidders have an obligation to disclose any actual or potential conflict of interest. Failure to do so may lead to disqualification of the bidder or termination of its contract.

- Bidders must disclose if they are or have been the subject of any proceedings (such as blacklisting) or other arrangements relating to bankruptcy, insolvency or the financial standing of the Bidder, including but not limited to appointment of any officers such as a receiver in relation to the Bidder's personal or business matters or an arrangement with creditors, or of any other similar proceedings.
- b. Bidders must disclose if they have been convicted of, or are the subject of any proceedings relating to:
 - a criminal offence or other serious offence punishable under the law of the

land,
or where they have been found by any regulator or professional body to have committed professional misconduct;

- corruption including the offer or receipt of an inducement of any kind in relation to obtaining any contract;
- failure to fulfill any obligations in any jurisdiction relating to the payment of taxes or social security contributions.

17. Anti-corruption Measure:

a. Any effort by Bidder(s) to influence the Client in the evaluation and ranking of financial proposals, and recommendation for award of contract, will result in the rejection of the proposal.

b. A recommendation for award of Contract shall be rejected if it is determined that the recommended bidder has directly, or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the contract in question. In such cases, the Client shall blacklist the bidder either indefinitely or for a stated period of time, disqualifying it from participating in any related bidding process for the said period.

18. Language of Proposals:

The proposal and all related correspondence exchanged between the bidder and the Client shall be written in the **English** language. Supporting documents and printed literature that are part of the proposal may be in another language provided they are accompanied by an accurate translation of the relevant passages in English with self-certification for accuracy, in which case, for the purposes of interpretation of the Proposal, the translated versions shall govern.

19. Cost of bidding:

The Bidder shall bear all costs associated with the preparation and submission of its proposal. The Client shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process. Bidder/s is/are not allowed to submit more than one proposal under the selection process. Alternate bids are also not allowed.

20. Legal Jurisdiction:

All legal disputes are subject to the jurisdiction of civil court of Anandapur only within Odisha.

21. Governing Law and Penalty Clause:

The schedule given for delivery is to be strictly adhered to in view of the strict time schedule. Any unjustified and unacceptable delay in delivery shall render the bidder liable for liquidated damages and thereafter the Client holds the option for cancellation of the contract for pending activities and complete the same from any other agency. The Client may deduct such sum from any money from their hands due or become due to bidder. The payment or deduction of such sums shall not relieve the bidder from his obligations and liabilities under the contract. The rights and obligations of the Client and the bidder under this contract will be

governed by the prevailing laws of Government of India / Government of Odisha. Failure on bidder's part to furnish the deliverables as per the agreed time line will enforce a penalty @ 1% per week subject to maximum of 10% of the total contract value. The amount will be deducted from the subsequent payment. The decision of the authority placing the contract, whether the delay in development has taken place on account of reasons attributed to the bidders shall be final. However, under unforeseen circumstance for reasons not attributable to successful bidder, OWNER reserves the right to extend the contract period.

22. Confidentiality:

Information relating to evaluation of proposals and recommendations concerning awards shall not be disclosed to the bidders who submitted the proposals or to other persons not officially concerned with the process, until the publication of the award of contract. The undue use by any Bidder of confidential information related to the process may result in rejection of its proposal and may be subject to the provisions of the Client's antifraud and corruption policy. During the execution of the assignment except with prior written consent of the Client, the Bidder or its personnel shall not at any time communicate to any person or entity any confidential information acquired in the course of the contract.

23. Amendment of the RFP Document:

At any time before submission of proposals, the Client may amend the RFP by issuing an addendum through Department of Water Resources e-tender website. Any such addendum will be binding on all the bidders. To give bidders reasonable time in which to take an addendum into account in preparing their proposals, the Client may, at its discretion, extend the deadline for the submission of the proposals.

24. Client's right to accept any proposal and to reject any or all proposal/s

The Client reserves the right to accept or reject any proposal, and to annul or amend the bidding / selection / evaluation process and reject all proposals at any time prior to award of contract award, without assigning any reason there of and thereby incurring any liability to the bidders.

25. Copyright, Patents and Other Proprietary Rights:

Department of Water Resources, Government of Odisha shall be entitled to all intellectual property and other proprietary rights including but not limited to patents, copyrights and trademarks, with regard to documents and other materials which bear a direct relation to or are prepared or collected in consequence or in the course of the execution of this contract. At the Client's request, the Bidder shall take all necessary steps to submit them to the Client in compliance with the requirements of the contract.

26. Replacement of Key Personnel:

The key professionals to be deployed under this contract must be dedicated in nature. However, the Client reserves the right to request the Bidder to replace the assigned personnel if they are not performing to a level of satisfaction. After written notification, the Bidder will provide CV of appropriate candidates within Seven (7) days for review and approval. The Bidder must replace the personnel within seven (7) working days from the date of approval of replacement. If one or more key personnel become unavailable / leave the project for any reason midway under the contract, the Bidder must notify the Client at least fourteen (14) days in advance, and obtain the approval prior to making any substitution. In notifying the Client, the Bidders shall provide an explanation of circumstances necessitating the proposed replacement and

submit justification and qualification of replacement personnel insufficient detail to permit evaluation of the impact on the engagement. Acceptance of a replacement person by the Client shall not relieve the Bidder from responsibility for failure to meet the requirements of the contract. Change in key professionals beyond the allowable limit of the contract leads to implication of liquidated damage of 10% of the contract value.

27. Force Majeure:

For purpose of this clause, "Force Majeure" means an event beyond the control of the agency and not involving the agency's fault or negligence and not foreseeable. Such events may include, but are not restricted, wars or revolutions, fires, floods, riots, civil commotion, earthquake, epidemics or other natural disasters and restriction imposed by the Government or other bodies, which are beyond the control of the agency, which prevents or delays the execution of the order by the agency. If a force Majeure situation arises, the agency shall promptly notify Client in writing of such condition, the cause thereof and the change that is necessitated due to the condition. Until and unless otherwise directed by the Client in writing, the Agency shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. The agency shall advise Client in writing, the beginning and the end of the above causes of delay, within seven days of the occurrence and cessation of the Force Majeure condition. In the event of a delay lasting for more than one month, if arising out of causes of Force Majeure, Client reserves the right to cancel the contract without any obligation to compensate the agency in any manner for whatsoever reason.

28. Settlement of Dispute:

If any dispute of difference of any kind whatsoever arises between the department and the Agency in connection with, or arising out of the Contract, whether during the progress of the works or after their completion and whether before or after the termination, abandonment or breach of the Contract, it shall in the first place, be referred to for settlement by the Engineer-in-Charge who shall, within a period of thirty days of receipt of request of the Agency to do so, give written notice of his decision to the Agency. Upon receipt of the written notice of the decision of the Engineer-in-Charge the Agency shall promptly proceed without delay to comply with such notice of decision.

29. ARBITRATION:

In case the Agency is dissatisfied with any such decision of Government, then the agency within thirty days may refer the matter or matters of dispute for arbitration. The arbitration shall be conducted in accordance with the provisions of Indian Arbitration and Conciliation Act 1996 or any statutory modification thereof.

30. Disqualification of Proposal:

The proposal is liable to be disqualified in the following cases as listed below:

- a. Proposal submitted without Bid Processing Fee & EMD as applicable
- b. Proposal not submitted in accordance with the procedure and format as prescribed in the RFP
- c. During validity of the proposal, or its extended period, if any, the bidder increases his quoted prices
- d. Proposal received in incomplete form
- e. Proposal received after due date and time for submission of bid
- f. Proposal not accompanied by all the requisite documents/information
- g. A commercial bid submitted with assumptions or conditions

-
- h. Bids with any conditional technical and financial offer
 - i. If the bidder provides any assumptions in the financial proposal or qualifies the commercial proposal with its own conditions, such proposals will be rejected even if the commercial value of such proposals is the lowest/ best value
 - j. Proposal is not properly sealed or signed
 - k. Proposal is not conforming to the requirement of the scope of the work of the assignment.
 - l. Bidder tries to influence the proposal evaluation process by unlawful/corrupt/fraudulent means at any point of time during the bid process
 - m. If, any of the bid documents (including but not limited to the hard and soft/electronic copies of the same, presentations during evaluation, clarifications provided by the bidder), excluding the commercial bid, submitted by the bidder is found to contain any information on price, pricing policy, pricing mechanism or any information indicative of the commercial aspects of the bid;
 - n. Bidder or any person acting on its behalf indulges in corrupt and fraudulent practices any other condition / situation which holds the paramount interest of the Client during the overall section.

SECTION:III

TERMS OF REFERENCE (ToR)

TERMS OF REFERENCE (ToR)

Details of work for which appointment of Consultancy is required:

1. Purpose/Objectives of the Assignment:

The purpose of the assignment.

Anandapur Barrage is a major irrigation barrage under the Department of Water Resources, Odisha, constructed under the guidance of Central Water Commission in the year 2019 across the Baitarani River in Keonjhar district, Odisha, with the objective of augmenting irrigation and improving water availability in the command areas of Keonjhar and Balasore districts. The barrage site is located at latitude 21°0'13" N and longitude 86°0'08" E. The barrage is approximately 491.6 m long with a maximum foundation depth of about 22 m. The structure comprises 25 bays and has a water holding capacity of about 3556 Hm³. It forms an important component of the Anandapur Barrage Canal Irrigation Project, fed by a catchment area of about 8570 km² and serving a command area of nearly 60,000 hectares.

Information regarding seepage activities beneath the foundation, is needed. In order to assess the foundation condition of the barrage, detailed geophysical investigations are proposed along the entire length of the barrage covering the CC block areas.

Subsoil exploration through Electrical Resistivity Tomography (ERT) is required to assess sub soil seepage conditions, position of cut-offs, ascertain the depth to rock bed beneath the foundation, and evaluate the present structural condition of the barrage.

Geophysical technology can be helpful for assessment of foundation condition and its quality, poor zones/seepage zones and engineering properties of the foundation in a faster and economic way in comparison to conventional methods like drilling. In Geophysical investigation, ERT survey is helpful in providing the depth of foundation grade material and its quality along with expected poor zones/seepage zones. SRT survey is useful for assessment of foundation depth and its quality. Similarly, MASW can provide the shear wave velocity section along the profile. Combining the results of both SRT and MASW the engineering parameters can be estimated. Utilizing the results of ERT, SRT and MASW geophysical investigation can provide the following parameters.

- **Geological section**
- **Overburden-bedrock contact**
- **Deformation Modulus**
- **Modulus of Elasticity**
- **Poisson's Ratio**
- **Cohesion (C)**
- **Angle of friction (ϕ)**

Scope of work and Services to be rendered by Bidder:

Investigation of the downstream area of the barrage for assessment of geological profile. Based on the requirement geophysical Investigation works involving ERT, SRT, MASW and SP will be carried out at Anandapur Barrage. The geophysical techniques i.e., ERT, SRT, MASW and SP proposed at the site are described below.

1. **Electrical Resistivity Tomography (ERT):**

Two ERT lines of 500m each to be carried in downstream to cover the entire length of barrage in order to assess the condition of damaged CC blocks. Three additional ERT lines of 100m each are also planned in vertical direction in between block 9, 10,11. The ERT data will be collected using a highly advanced multichannel ERT system capable to supporting up to 120 electrodes using multicore cables. The instrument is capable of injecting 900watt power which ensures very good quality data. The ERT survey will be carried out using 1m electrode spacing using the dipole-dipole protocol with roll along to delineate the vertical as well as lateral changes in the subsurface in a precise way. The total expected length of ERT will be 1300m.

2. **Seismic Refraction Tomography (SRT):**

One SRT line of approximately 500m length to be carried out to cover the entire length of barrage. In addition, about three SRT lines of 100m length each will be carried out in vertical direction to barrage length.

The SRT data will be collected utilising highly efficient wireless seismic node. The SRT survey will be carried out using 5m geophone spacing and seven to nine shots will be recorded throughout the profile to get good resolution seismic data. The total expected length of SRT will be 800m.

3. **Multichannel Analysis of Surface Waves (MASW):**

Two MASW lines of 100m length each will be conducted parallel to barrage length in order to assess the shear wave velocity. These lines are planned in old course of the river.

Utilising the P-wave velocity(obtained from SRT survey) and S-Wave velocity (obtained from MASW Survey) the engineering parameters will be derived. MASW data will be collected as per the standard procedure keeping 2m geophone spacing and two geophones will be moved for development of 2D shear wave section. The total length of MASW survey will be 200m.

4. **Spontaneous Potential (SP):**

Two SP lines of 500m each can be carried out covering the entire barrage length for identifying any possible movement of water or piping condition in barrage. Self-Potential along with Resistivity imaging is generally used for water flow, detecting seepage or leakage in a foundation. With latest systems, SP data will be collected at different levels in locating the subsurface anomalies.

Location	No. of Profiles	Length (m)
<i>ERT</i>		
Parallel to barrage length	2 (500m each)	1000
perpendicular	3 (100m each)	300
Total (ERT)	1300	
<i>MASW</i>		
Parallel to barrage length	2(100m)	200
Total (MASW)	200	
<i>SRT</i>		
Parallel to barrage	1(500m)	500

length		
perpendicular	3 (100m each)	300
Total (SRT)		800

Scope of work and services to be rendered by Bidder:

1. Bidder should visit the site and inspect the pipeline arrangement of the colony starting from the source point that is preinstalled pump location for extraction of ground water.
2. The pressure at difference locations of the pipeline system should be analyzed through any software developed for pressurized network.
3. Location of pressure drop and suggestion of pressure drop and suggestion of installation of valves for water management may be proposed consider hydraulics of the existing pipeline and demand of the colony considering no. of quarters as detailed in the layout.
4. The points of defects shall be traced out and necessary remedial measures shall be suggested.
5. The water drawn from ground should be disturbed to all the household of the colony to overhead tank considering requirement of water, min. of use electricity and with minimum manual intervention.
6. A comprehensive techno financial showing all the pressurized of pump with positioning of valves and to avoid overflow of water from overhead of tanks.
7. The rates of appliances and installation charges shall be as per prevailing govt. norms.
8. The design of renovated pipeline shall be as per prevailing govt. norms for pressurized pipeline for residential buildings and considering per capita demand.
9. Final report should contain, among other things

Based on the results of ERT, SRT, MASW and SP following details will be provided:

 - Assessment of piping condition, if any
 - Geological section along the entire length of Barrage
 - Overburden-bedrock contact
 - Scouring depth in all bays
 - Deformation Modulus
 - Modulus of Elasticity
 - Poisson's Ratio
 - Cohesion (C)
 - Angle of friction (ϕ)

a)Minimum Dedicated Technical Staff	<p>The Bidder shall nominate dedicated technical staff, who are required to be committed for the work. Minimum number of dedicated staffs required and their qualification required are as follows:</p> <p>Engineer with experience in Hydraulics Engineering and Geotechnical Engineering with 5 year experience having 1 no.</p>
<p>Note:</p> <p>i. The Bidder should go through all the above points, understand the scope of work thoroughly and while quoting the price bid should consider scale of fees for consultation.</p>	

Place:-

Date: -

**Signature of Bidder
with their Seal**

3 Timelines, stages of deliverables and content of each deliverable.

Deliverables vis-a-Vis timeframe

SI.No.	Description of Items	Corresponding timeframe
1	To be assessed and submitted by the bidder as per ToR bid document.	
2		
3		

4 Expected schedule for completing the assignment as per the completions period mentioned in the bid documents. If an assignment consists of more than one activity, the target period/ date for completing each activity can also be specified.

Section- IV

Technical Proposal Submission Forms

TECH-1**COVERING LETTER**
(ON BIDDER'S LETTER HEAD)

[Location, Date]

To

The _____ to Government
 <Name of the Department> Department, Government of Odisha
 <Address>
 <Address>
 <PIN>

Subject: <NAME OF THE PROPOSED PROJECT>. [TECHNICAL PROPOSAL]**Dear Sir,**

I, the undersigned, offer to provide the services for the proposed assignment in respect to your Request for Proposal No. _____, Dated:

_____. I hereby submit the proposal which includes this technical proposal sealed under a separate envelope. Our proposal will be valid for acceptance up to **<Nos.> Days**

and I confirm that this proposal will remain binding upon us and may be accepted by you at any time before this expiry date.

All the information and statements made in this technical proposal are true and correct and I accept that any misinterpretation contained in it may lead to disqualification of our proposal. If negotiations are held during the period of validity of the proposal, I undertake to negotiate on the basis of the proposals submitted by us. Our proposal is binding upon us and subject to the modifications resulting from contract negotiations.

I have examined all the information as provided in your Request for Proposal (RFP) and offer to undertake the service described in accordance with the conditions and requirements of this selection process. I agree to bear all costs incurred by us in connection with the preparation and submission of this proposal and to bear any further pre-contract costs. In case, any provisions of this RFP/ToR including of our technical & financial proposal is found to be deviated, then your department shall have rights to reject our proposal including forfeiture of the Earnest Money Deposit absolutely. I confirm that, I have the authority to submit the proposal and to clarify any details on its behalf.

I understand you are not bound to accept any proposal you receive.

I remain,

Yours faithfully,

Authorized Signatory with Date and

Seal/NameandDesignation: _____

AddressofBidder: _____

TECH-2**Bidder's Organisation(GeneralDetails)**

Sl.No.	Description	FullDetails
1	NameoftheBidder/ Consortium	
2	Addressforcommunication: Tel: Fax: Emailid:	
3	Name of the authorized personsigning&submittingth e bidonbehalfoftheBidder: MobileNo. Emailid:	
4	Registration/ Incorporation Details Registration No:Date& Year.:	
5	LocalofficeinOdisha Ifyes,pleasefurnishcontactdetails	Yes/No
6	BidProcessingFee Details Amount: Ref.No.: Date: NameoftheBank:	
7	EMDDetails Amount: Ref.No.: Date: NameoftheBank:	
8	PANNumber	
9	GoodsandServicesTaxIdentificatio nNumber(GSTIN)	
10	Willingtocarryoutassignmentsasper thescopeofworkof theRFP	YES
11	Willing to accept all the terms andconditionsasspecifiedinthe RFP	YES

AuthorizedSignatory[Infullandinitials]: _____

Name and Designation with Date and Seal: _____

TECH-3**Bidder Organisation (Financial Details)**

Financial Information in INR				
Details	FY _____	FY _____	FY _____	Average
Consulting Turnover (in Lakh)				
<p>Supporting Documents:</p> <p>Audited certified financial statements for the last <Nos> FYs (to be decided accordingly) (Submission of copies of Income & Expenditure Statement and Balance Sheet for the respective financial years is mandatory along with this form)</p> <p>Filled in information in this format must have to be jointly certified and sealed by the CA and the authorized representative of the bidder and to be furnished with the technical proposal failing which the proposal will be out rightly rejected.</p>				

Signature and Seal of the Company Auditor with Date in original

Authorized Signatory [In full initials with Date and Seal]: _____

Communication Address of the Bidder: _____

TECH-4**FORMAT FOR POWER OF ATTORNEY**
(On Bidder's Letter Head)

I, _____, the
 _____ (Designation) of (Name of the Organisation) in witness
 whereof certify that **<Name of person>** is authorized to execute the attorney on behalf of
<Name of Organisation>, **<Designation of the person>** of the company acting for and on
 behalf of the company under the authority conferred by the
<Notification/Authority order no.> Dated **<date of reference>** has signed this Power of attorney at
<place> on this day of
<day><month>, <year>.

The signatures of **<Name of person>** in whose favour authority is being made under
 the attorney given below are hereby certified.

Name of the Authorized Representative:

(Signature of the Authorized Representative with Date)

CERTIFIED:

Signature, Name & Designation of person executing attorney:

Address of the Bidder:

TECH-5**(BIDDER'S PAST EXPERIENCE DETAILS)**

Table-

1 (List of <Nos> completed assignments only of similar nature** in any sector during last <Nos> years)

Sl. no.	Period	Name of the Assignment with details thereof	Name of the Client	*Contract Value (in INR) and Duration in Month	Date of Award / Commencement of assignment	Date of Completion of assignment	Remark if any
A	B	C	D	E	F	G	H
1							
2							
3							

Authorized Signatory [*In full and initials*]: _____

Name and Designation with Date and Seal: _____

Note: Bidders are requested to furnish the list limited to <Nos> assignments of similar undertaken during the last <Nos> Financial Years (to be decided accordingly) as per the above prescribed format only. Information not conforming to the above format will be treated as non-responsive. Copies of the Work order / Contract Document / Completion Certificate from the Clients need to be furnished along with the above information.

* Assignments having Contract Value of \geq Rs. _____ Lakh & Duration of \geq _____ Month only will be taken into consideration.

TECH-6**INFORMATION REGARDING ANY CONFLICTING ACTIVITIES
AND DECLARATION THEREOF**

Are there any activities carried out by your agency which are of conflicting nature as mentioned in Section II: [Instruction to Bidder] under Eligibility Criteria: Clause-3. If yes, please furnish details of any such activities.

If no, please certify,

IN BIDDER'S LETTERHEAD

I, hereby declare that our agency as Individual / as a member of any consortium is not indulged in any such activities which can be termed as the conflicting activities as mentioned in **Section II: [Instruction to Bidder] under Eligibility Criteria: Clause-3.**

I, also acknowledge that in case of misrepresentation of any of the information, our proposal / contract shall be rejected/terminated by the Client which shall be binding on us.

Authorized Signatory [In full initials with Date and Seal]: _____

Communication Address of the Bidder: _____

TECH-7**Comments and Suggestions on the Terms of Reference / Scope of Work and Counterpart Staff and Facilities to be provided by the Client****A: On the Terms of Reference / Scope of Work:**

[The Bidder needs to present and justify in this section, if any modifications to the Terms of Reference he is proposing to improve performance in carrying out the assignment (such as deleting some activity considering unnecessary, or adding another, or proposing a different phasing of the activities / study process modifications). Such suggestions should be concise and to the point, and incorporated in the technical proposal. Modification / suggestion will not be taken into consideration without adequate justification. Any change in manpower resources will not be taken into consideration]

B: On Input and Facilities to be provided by the Client:

[Comment here on inputs and facilities to be provided by the Client with respect to the Scope of Work and Study Implementation]

Authorized Signatory [In full and initials]: _____

Name and Designation with Date and Seal: _____

TECH-8**DESCRIPTION OF APPROACH, METHODOLOGY AND WORK PLAN TO UNDER TAKE THE ASSIGNMENT**

[Technical approach, methodology and work plan are key components of the Technical Proposal. In this Section, bidder should explain his understanding of the scope and objectives of the assignment, approach to the services, methodology for carrying out the activities and obtaining the expected output, and the degree of detail of such output. Further, he should highlight the problems being addressed and their importance, and explain the technical approach to be adopted to address them. It is suggested to present the required information divided into following four sections]

A. Understanding of Scope, Objectives and Completeness of response

Please explain your understanding of the scope and objectives of the assignment based on the scope of work, the technical approach, and the proposed methodology adopted for implementation of the tasks and activities to deliver the expected output(s), and the degree of detail of such output. ***Please do not repeat/copy the ToR here.***

B. Description of Approach and Methodology:

- a. Key guiding principles for the study.
- b. Proposed Framework.
- c. Information matrix
- d. Any other issues

C. Methodology to be adopted:

Explaining of the proposed methodologies to be adopted highlighting of the compatibility of the same with the proposed approach. This includes:

- a. Detail research design including sample design and estimation procedure.
- b. Field Process Protocol control
- c. Suggestive tools for data collection.
- d. Analysis of field data and preparation of reports
- e. Any other issues

D. Staffing and Study Management Plan:

The bidder should propose and justify the structure and composition of the team and should enlist the main activities under the assignment in respect of the Key Professionals responsible for it. Further, it is necessary to enlist of the activities under the proposed assignment with sub-activities (weekwise). (Graphical representation)

Authorized Signatory [In full and initials]: _____

Name and Designation with Date and Seal: _____

<<The bidder may be asked to submit the required information within a certain number of pages, with font specified)

TECH-9**Format of Curriculum Vitae (CV) for Proposed Key Professional****1. Proposed Position:****2. Name of Firm :****3. Name of Staff :****4. Date of Birth :****5. Years with Firm :****6. Nationality :****7. Education :**

[Indicate college / university and other specialized education of staff member, giving names of institutions, degrees obtained, and dates]

8. Membership in Professional Associations:**9. Other Trainings :****10. Countries of Work Experience :****11. Languages :**

[For each language indicate proficiency: excellent, good, fair, or poor; in speaking, reading, and writing]

12. Employment Record:

*[Starting with present position, list in reverse order every employment held by staff members since graduation, giving for each employment (see format here below): dates of employment, name of employing organization, positions held. For experience in **last ten years**, also give types of activities performed and Client references, where appropriate as per the prescribed format given below]*

From [Year]	To [Year]
Procuring Entity Name:	
Position Held:	
Details of the Task Assigned [List all tasks to be performed under this Assignment/job]	

13. Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned

[Among the Assignment/jobs in which the staff has been involved, indicate the following information for those Assignment /jobs that best illustrate staff capability to handle the tasks listed under point 12.]

Name of the Project	
Year	
Location	
Name of the Client	
Project Feature	
Position Held	
Activities Performed	

Certification:

I, the undersigned, certify that to the best of my knowledge and belief that this CV correctly describes my qualifications and past experiences. I will undertake this assignment for the full project duration in terms of roles and responsibilities assigned in the technical proposal or any agreed extension of activities thereof. I understand that any misstatement herein leads to disqualification of CV.

Date:**Signature of Key Professional with Date**

Authorized Signatory [In full and initials]: _____**Name and Designation with Date and Seal:** _____

<<NB: CV write up may be restricted to a certain number of pages with quality information relevant to the key professional requirements. This will be easy in evaluating the resumes for short listing. The CVs need to be jointly signed by the proposed professional and the authorized representative of the Bidder.>>

TECH-10

PROPOSED WORK PLAN TO CARRY OUT THE ASSIGNMENT

Week →	1	2	3	4	5	6
Sequence ↓ of Study Activities/ SubActivities						

Indicate all main activities/subactivities of the proposed assignment including delivery of reports (Inception and Final Reports) and other associated sub-activities

Authorized Signatory [In full and initials]: _____

Name and Designation with Date and Seal: _____

FORMS & ANNEXURES**Annexure-I****(1) BANK GUARANTEE FOR EARNEST MONEY DEPOSIT (EMD)**

[Ref: - Clause 12.0 of Section – II, Volume – I of Bid Identification No. - _____]

WHEREAS

_____ (name and address of Bidder) (hereinafter called "the Bidder") has submitted their offer dated _____ for the work of _____ (herein after called the "Bid") against the employer's Bid Identification No. _____ known all men by these presents that we _____ of _____ (Name of Bank) having Our registered office at _____ are bound unto Superintending Engineer, Anandapur Barrage Division, Salapada (herein after called "Employer") unconditionally & irrevocably for the sum _____ (Rupees _____) for which payment will and truly to be made to the said employer, the Bank binds itself, its successors and assigns by the presents.

Sealed with the

Common seal of the said Bank this _____ day of _____ 20_____

THE CONDITIONS OF THIS OBLIGATION ARE:

(2) If the Bidder If the Bidder withdraws or amends, impairs or derogates from the bid in any respect within the period of validity of this bid.

(3) If the Bidder having been notified of the acceptance of his Bid by the employer during the period of its validity in accordance with Instruction to Bidders of the Bid document.

(a) If the Bidder fails to furnish the initial Security Deposit for the due performance of the contract.

(b) Fails or refuses to accept/execute the contract.

WE undertake to pay the employer up to the above amount upon receipt of its first written demand, without the employer having to substantiate its demand, provided that in its demand the employer will note that the amount claimed by it, is due to it, owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 60 days after the period of tender validity as specified in DNIT and any demand in respect thereof should reach the Bank not later than the above date.

We _____ (Name of Bank) hereby also undertake to have the signature of Branch Manager issuing Bank Guarantee verified from Local Branch of the Bank in Bhubaneswar, _____ (address of Local Branch Bhubaneswar, Odisha) for due authentication.

Our _____ Branch at Bhubaneswar (Name & Address of the _____ branch) is liable to pay the guaranteed amount depending on the filing of claim and any part thereof under this Bank Guarantee only and only if it is served upon us by the employer at our Bhubaneswar Branch, a written claim or demand and received by us at our Bhubaneswar branch on or before Dt. _____ otherwise bank shall be discharged of all liabilities under this guarantee thereafter.

(Signature of the authorized officer of the Bank)

.....

.....

Name and designation of the officer

.....

Seal, name & address of the Bank and address of the Branch

N.B – 1.The original Bank Guarantee which is issued from the concerned bank shall reach O/o the Superintending Engineer, Anandapur Barrage Division, Salapada within three working days from the date of technical opening of this bid.

2. Onus of extension of validity of Bank Guarantee beyond the above stipulated period till drawl of agreement solely lies with the bidder.

Accounts Details of Bank Guarantee

Accounts Details of Bank Guarantee		
Account Name	:	Executive Engineer, Anandapur Barrage Division, Salapada
Beneficiary Bank Account No.	:	30330349430
Bank Name	:	State Bank of India
IFSC Code	:	SBIN0001086
MICR Code	:	758002004
Branch Address	:	At/Po – Anandapur Dist – Keonjhar, Odisha, PIN-758021

Section-V
Price Proposal

PRICE PROPOSAL**Forwarding Letter****From:**

To:

The Chief Construction Engineer,
 Anandapur Barrage Project, Salapada
 At/PO:-Salapada Dist:- Keonjhar, Odisha
 PIN:758020

Sir,

reference number: _____

I, _____ of M/S _____ (Bidder) herewith submit the **Price Proposal** in the following Forms, against the subject RfP for consideration of our bid.

1. SCOPE: Engagement of Bidder for preparation of techno financial proposal for optimal distribution of ground water to the quarters of Anandapur Barrage Colony from the existing pipe network.

2. RfP Identification No.....
3. Name of the Bidder Firm.....

Price Proposal:

The **PRICE proposal (PART-II)** duly signed by the Authorized signatory and uploaded in separate cover.

I hereby accept and shall abide by the scope of works, responsibility & Deliverables and Terms and Conditions of RfP document unconditionally.

Yours faithfully,

Authorised Signatory:**Full Name:****Address:****Phone No:****E-mail Id:****Note:**

1. Bidder shall quote the price strictly as per the format prescribed in the RfP document considering the minimum manpower requirement at Section-V and establishment required to cater to the scope mentioned in relevant Section.
2. The quoted price shall be FIRM and inclusive of all taxes and excluding GST based on Cost to the Company concept plus reasonable profit.

APPENDIX-FB

Name Work: **Geophysical Investigation involving Electrical Resistivity Tomography (ERT), Seismic Refraction Tomography (SRT), Multichannel Analysis of Surface Waves (MASW) and Spontaneous Potential (SP) of Anandapur Barrage, Odisha.**

1. RfP Identification No :
2. Name of the Bidder Firm:.....

Sl. NO	PARTICULARS	AMOUNT IN FIGURE	AMOUNT IN WORDS
1	Geophysical Investigation involving Electrical Resistivity Tomography (ERT), Seismic Refraction Tomography (SRT), Multichannel Analysis of Surface Waves (MASW) and Spontaneous Potential (SP) of Anandapur Barrage, Odisha.	As per BOQ	

Note :

1. The Consultancy charge shall be inclusive of TA/DA and all other allowances if any.
2. The Consultancy charge shall be inclusive of all taxes **and excluding** GST as applicable.
3. No extra payment will be made other than the above quoted amount.
4. Break-up of payment shall be made as per Form- F-3

Authorised Signature

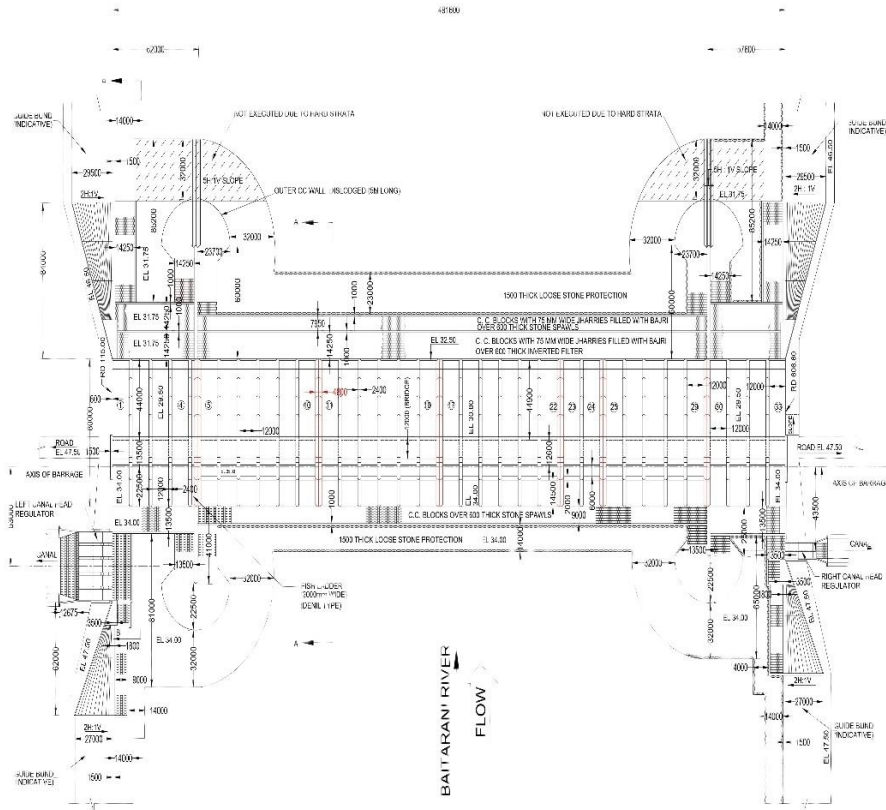
FORM F- 3

BREAK UP FOR PAYMENT

SI No.	Particulars	% OF PAYMENT OF ITEM-1 (FB)	Amount in Rupees
To be decided and approved by the Chief Construction Engineer after finalization of tender.			

SECTION-VI

DRAWING



DETAILED LAYOUT PLAN