

OFFICE OF THE ENGINEER- IN- CHIEF
Water Resources Department, Shivnath Bhavan
Nava Raipur, Atal Nagar, Dist.- Raipur (C.G.)

Memo No. TENDER CELL/421220

Nava Raipur, Atal Nagar, Dated.....

To,

The Director
Directorate of Public Relation
Raipur (C.G.)

Subject :- Publication of Expression of Interest (EOI) for empanelment of consultant for Survey, Investigation, Drawing, Design & Estimate Preparation of Forest Cases & Land Acquisition, Preparation of Detail Project Reports for Irrigation and multipurpose Works under Water Resources Department, Chhattisgarh are invited manually.

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Please find enclosed the notice for inviting Expression of Interest (EOI) for empanelment of consultants for Survey, Investigation, Drawing, Design & Estimate, preparation of Forest Cases & Land Acquisition, Preparation of Detail Project Reports for Irrigation and multipurpose Works under Water Resources Department, Chhattisgarh.

The proposal from agencies from Chhattisgarh is required to be invited, therefore it is requested to please publish the notice of invitation of " Expression Of Interest (EOI)" in main section of at least 2 national and 5 state level Hindi and English News papers before date 19/09/2022

Enclosed :- as above

Engineer-in-Chief
Water Resources Department
Shivnath Bhavan Sector-19
Nava Raipur Atal Nagar(C.G.)

Endt. No./TENDER CELL/421220/ 8415

Raipur, Dated 19/09/2022

Copy forwarded to:-

- (1) Secretary, Govt. of Chhattisgarh, Water Resources Department, Mantralaya, Raipur.
- (2) All Chief Engineer, Water Resources Department, Raipur/Bilaspur/Ambikapur (CG) for information & necessary action please.
- (3) ETMS Cell, O/o EinC, Raipur for uploading in the website http://cgwrd.in/press_releases.html and <https://eproc.cgstate.gov.in>.
- (4) All Superintending Engineers, Raipur/Bilaspur/Durg/Rudri/Jagdalpur/Korba/Ambikapur/Balrampur/Raigarh/Kharsiya (C.G.) for information & necessary action please
- (5) All Executive Engineers under Water Resources Department, Chhattisgarh information & necessary action please

Enclosed :- as above

Engineer-in-Chief
Water Resources Department
Shivnath Bhavan Sector-19
Nava Raipur Atal Nagar(C.G.)

EXPRESSION OF INTEREST (EOI)

Expression of Interest (EOI) for empanelment of consultants for Survey, Investigation, Drawing, Design & Estimate, Preparation of Forest Cases & Land Acquisition, Detail Project Reports for Irrigation and multipurpose Works under Water Resources Department, Chhattisgarh

The expression of Interest is hereby invited from the leading firms/organizations with their past experience for handling similar work with Government Department or Government PSUs, qualifying all criteria as mentioned in "Expression of Interest" (EOI) document for empanelment of consultant for Survey, Investigation, Drawing, Design & Estimate, preparation of Forest Cases & Land Acquisition, Preparation of Detail Project Reports for Irrigation and multipurpose works under Water Resources Department, Chhattisgarh.

Empanelled consultants shall be required to provide consultancy services for survey/design/drawing/estimation of such works costing more than Rs. 5 Lakhs and up to Rs. 10 crores.


Empanelment shall be valid for a period of three years, which shall be extendable by maximum of three years depending upon the performance and quality of work rendered by the consultants.

The interested firms/organizations should furnish full information about their relevant activities, supported by documents, describing their full time and part-time expert staff, office strength financial turnover for last 5 financial years.

Application:

- Interested agencies have to submit their Application form along-with a non-refundable fee of Rs. 10,000/- (Rs. Ten Thousand only) and an EMD (Earnest Money Deposit) of Rs. 1,00,000/- (Rs. One Lakh) only in the form of Demand Draft at Nationalized Bank or Scheduled Bank Payable at Raipur in favour of **"The Engineer in Chief, Water Resources Department, Shivnath Bhawan, Sector-19, Nawa Raipur Atal Nagar, Chhattisgarh"** only through speed post/Registered post A/D to the Engineer in Chief, Water Resources Department, Shivnath Bhawan, Sector-19, Nawa Raipur Atal Nagar, Chhattisgarh. Proposal received through courier shall not be accepted.
 - Last date for submission of EOI documents-**13/10/2022 at 5:30 PM.**
 - Date of opening of EOI proposal document-**14/10/2022 at 3:30 PM.**
- The EOI document shall be obtained from 19/09/2022 to 10/10/2022 from the office of the Engineer in Chief, Water Resources Department, Shivnath Bhawan, Sector-19, Nawa Raipur Atal Nagar, Chhattisgarh free of cost within office hours.
- Further details regarding the EOI Document can be viewed and downloaded on sub portal website <http://cgwrd.in/press-releases.html> of Water Resources Department, Chhattisgarh and web site <https://eproc.cgstate.gov.in> of Government of Chhattisgarh from Date 19/09/2022.
- All rights to reject any or all the responses received, without assigning any reason whatsoever, and are reserved.
- Physical/Personal submission of EOI document shall not be accepted.


Engineer-in-Chief

Water Resources Department
Shivnath Bhawan Sector-19
Nava Raipur Atal Nagar(C.G.)


कार्यालय प्रमुख अभियंता
जल संसाधन विभाग, शिवनाथ भवन
सेक्टर -19, नवा रायपुर अटल नगर (छ.ग.)

सूचना क्र. 01/निविदा.प्रकोष्ठ/4211220/8416 नवा रायपुर, अटल नगर दिनांक 19/10/2022

रूचि की अभिव्यक्ति

जल संसाधन विभाग छत्तीसगढ़ में सिंचाई एवं बहुउद्देशीय कार्यों हेतु सर्वेक्षण, अन्वेषण, रेखांकन, रूपांकन तथा प्राक्कलन, वन प्रकरण तथा भूमि मुआवजा तथा विस्तृत परियोजना प्राक्कलन (डी.पी.आर..) तैयार करने, के लिये विशेषज्ञ सलाहकारों को सूचीबद्ध/नामांकित करने हेतु रूचि की अभिव्यक्ति।

जल संसाधन विभाग छत्तीसगढ़ द्वारा सिंचाई एवं बहुउद्देशीय कार्यों हेतु सर्वेक्षण, अन्वेषण, रेखांकन, रूपांकन तथा प्राक्कलन, वन प्रकरण तथा भूमि मुआवजा तथा विस्तृत परियोजना प्राक्कलन (डी.पी.आर.) तैयार करने, के लिये विशेषज्ञ सलाहकारों को सूचीबद्ध/नामांकित करने हेतु, ऐसे अग्रणी/प्रमुख कंपनी/संस्था जिन्होंने पूर्व में शासकीय विभागों/शासकीय उपक्रमों के साथ समान प्रकृति के कार्य पूर्व में किये हैं, से "रूचि की अभिव्यक्ति" आमंत्रित किया जाता है।

ऐसे कार्य जिनकी लागत रू. 5 लाख से लागत रू. 10 करोड़ के मध्य है उनमें सूचीबद्ध/नामांकित विशेषज्ञ सलाहकारों द्वारा सर्वेक्षण/रेखांकन/रूपांकन/प्राक्कलन हेतु परामर्श सेवा प्रदान की जावेगी।

विशेषज्ञ सलाहकारों का नामांकन/सूचीबद्ध किया जाने की वैधता अवधि 03 वर्ष तक की होगी तथा विशेषज्ञ सलाहकार द्वारा किये गये कार्य का निष्पादन-गुणवत्ता के आधार पर, वैधता अवधि अधिकतम 03 वर्ष तक बढ़ायी जा सकेगी।

उपरोक्त कार्य हेतु इच्छुक फर्म/संस्थाओं को अपने कार्य से संबंधित पूरी जानकारी प्रस्तुत करनी होगी। प्रस्ताव पिछले 05 वित्तीय वर्षों के टर्नओवर, कार्य में अपेक्षित पूर्णकालिक एवं अंशकालिक दक्ष कर्मचारियों की सूची अभिलेखों सहित प्रस्तुत करना होगा।

आवेदन

1. इच्छुक फर्म/संस्थाओं को अपना प्रस्ताव/आवेदन पत्र, रू. 10000/- (रू. दस हजार) के अप्रतिदेय शुल्क तथा प्रमुख अभियंता, जल संसाधन विभाग, छ.ग. शिवनाथ भवन, अटल नगर नवा रायपुर के पक्ष में रू. 100000/- (रू. एक लाख) का राष्ट्रीकृत बैंक/सूचीबद्ध बैंक का डिमांड ड्राफ्ट (रायपुर में देय) के साथ केवल स्पीड पोस्ट/पंजीकृत डाक के माध्यम से कार्यालय प्रमुख अभियंता, छत्तीसगढ़ जल संसाधन विभाग, शिवनाथ भवन, सेक्टर -19, नवा रायपुर अटल नगर में प्रस्तुत करना होगा। कुरियर के माध्यम से प्राप्त प्रस्ताव/ आवेदन स्वीकार नहीं किया जावेगा।
 - A. रूचि की अभिव्यक्ति प्रस्ताव को जमा करने की अंतिम तिथि 13.10.2022(सायं 5.30 बजे तक)
 - B. रूचि की अभिव्यक्ति प्रस्ताव के खुलने की तिथि 14.10.2022 (अपरान्ह 3.30 बजे से)

2. रूचि की अभिव्यक्ति प्रपत्र दिनांक 19.09.2022 से 10.10.2022 तक कार्यालय प्रमुख अभियंता, जल संसाधन विभाग, शिवनाथ भवन, नवा रायपुर, अटल नगर (छ.ग.) से कार्यालयीन अवधि में निः शुल्क प्राप्त किया जा सकता है।
3. रूचि की अभिव्यक्ति संबंधित दस्तावेजों का विस्तृत विवरण जल संसाधन विभाग छ.ग. के विभागीय सब पोर्टल <http://cgwrdd.in/press-release.html> पर तथा छ.ग. शासन की वेबसाईट <http://eproc.cg.state.gov.in> पर दिनांक 19.09.2022 से देखा एवं डाउनलोड किया जा सकेगा।
4. किसी भी या सभी फर्म/संस्थाओं से प्राप्त प्रस्तावों को बिना कोई कारण बताये निरस्त करने का सर्वाधिकार जल संसाधन विभाग के पास सुरक्षित रहेगा।
5. भौतिक/व्यक्तिगत रूप से प्रस्तुत किया गया रूचि की अभिव्यक्ति का प्रस्ताव स्वीकार नहीं किया जावेगा।


प्रमुख अभियंता

जल संसाधन विभाग, शिवनाथ भवन

सेक्टर -19, नवा रायपुर अटल नगर (छ.ग.)





Government of Chhattisgarh

Water Resources Department

EXPRESSION OF INTEREST For EMPANELMENT OF CONSULTANTS

FOR

**SURVEY, INVESTIGATION, DRAWING, DESIGN & ESTIMATE, FOREST CASES & LAND
ACQUISITION, PREPARATION OF DETAIL PROJECT REPORTS FOR IRRIGATION AND
MULTIPURPOSE WORKS UNDER WATER RESOURCES DEPARTMENT, CHHATTISGARH.**

(Application Form, Instruction and General Information Sheet)



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FACE SHEET / INVITATION OF APPLICATIONS

WATER RESOURCES DEPARTMENT, CHHATTISGARH.

The applications for empanelment of consultant for Survey, Investigation, Drawing, Design & Estimate, Forest Cases & Land Acquisition, Preparation of Detail Project Reports for Irrigation and multipurpose Works under Water Resources Department, Chhattisgarh are invited manually

The Schedule of submission and opening of application is as under:-

	Date	Time	Venue
Purchase of Expression of Interest			
Closing Date & Time of Receipt of Expression of Interest			
Evaluation and Result of Expression of interest			

Issued on dated (Consultant) his / their application dated Cost of EMD Rs. 1,00,000=00(Rupees One Lakh only),in favour of Engineer in Chief ,WRD,CG,received vide D.D. No. Dated.....

Signature of inviting Agency



WATER RESOURCES DEPARTMENT, CHHATTISGARH

SURVEY, INVESTIGATION, DRAWING, DESIGN & ESTIMATE, FOREST CASES & LAND ACQUISITION, PREPARATION OF DETAIL PROJECT REPORTS FOR IRRIGATION AND MULTIPURPOSE WORKS UNDER WATER RESOURCES DEPARTMENT, CHHATTISGARH.

(Instructions and General Information)

1. Introduction

The Water Resources Department, Government of Chhattisgarh, recognized the importance of the expertise available in the private sector in the area of Survey, Investigation, Drawing, Design & Estimate, Forest Cases & Land Acquisition, Preparation of Detail Project Reports for Irrigation and Multipurpose Works under Water Resources Department, Chhattisgarh. It has, therefore, been decided to empanel suitable consultants for this purpose. Therefore Water Resources Department inviting applications in the prescribed form from the outstanding qualified professionals, parties firms and companies for empanelling them for the above mentioned purpose. Any authority of the Department, who wishes to obtain services of a consultant for Survey, Investigation, Drawing, Design & Estimate, Forest Cases & Land Acquisition, Preparation Of Detail Project Reports For Irrigation and multipurpose Works Under Water Resources Department, Chhattisgarh would invite financial bids on projects rate basis from the empanelled parties of appropriate category and thereafter award work to him on the terms and conditions prescribed by the Water Resources Department.

2. General Instruction and Conditions

- 2.1 Applicant must apply in the prescribed Application form as per format at section – 5. Any offer not made in the prescribed Application Form would be summarily rejected.
- 2.2 The Application Form must be enclosed in a sealed envelope addressed to **Engineer in Chief, Water Resources Department, Shivnath Bhawan, Atal Nagar, Nawa Raipur, Chhattisgarh**
- 2.3 The envelope must be super-scribed with “Application for – Empanelment of Consultant for Survey, Investigation, Drawing, Design & Estimate, Forest Cases & Land Acquisition, Preparation of Detail Project Reports for Irrigation and multipurpose Works under Water Resources Department, Chhattisgarh”.
- 2.4 Applicant must send their application through Government Speed Post (Post Office) only. Any other postal media and submission by hand will not be accepted and the offer would be rejected.
- 2.5 Each page of the Application Form should be stamped and signed by authorized signatory.
- 2.6 All columns of the Form should be duly, properly, and exhaustively filled in.



- 2.7 The authorized signatory must sign all cuttings and corrections. A Certificate of authorization of power of attorney, in original along with a photocopy thereof, by the applicant firm, company or other corporate body, as the case may be enclosed.
- 2.8 The Application form will be considered unless all the required documents are furnished and properly attested wherever required.
- 2.9 The Application form must be deposited along-with a non-refundable fee of Rs. 10,000/- (Rs. Ten Thousand only) and a EMD (Earnest Money Deposit) of Rs. 1,00,000/- (Rs. One Lakh)only in the form of Demand Draft at Nationalized Bank or Scheduled Bank Payable at Raipur in favour of The Engineer in Chief, Water Resources Department, Shivnath Bhawan, Atal Nagar, Nawa Raipur, Chhattisgarh” . Any Application Form without this fee shall not be entertained.
- 2.10 Only those Application forms shall be opened, which have been received by due date and time. The Water Resources Department shall not be responsible for postal or any other delay.
- 2.11 Jurisdiction: All disputes will be settled within the jurisdiction of district court,Raipur, Chhattisgarh.
- 2.12 The empanelment would be valid for a period of Three years i.e. from the date of issuance of order of empanelment .But if any information furnished by any empanelled party is found to be incorrect or misleading or deceptive or if there is a breach of any of the terms & conditions at any time on the part of an empanelled party or any other reason considered by competent authority, the empanelment may be terminated summarily by the Water Resources Department without assigning any reason.
- 2.13 Empanelment of a party does not ensure award of contract for any work /job by the Water Resources Department of Chhattisgarh.
- 2.14 Empanelled consultants shall be permitted to provide consultancy proposals for survey/design/drawing /estimation of such works whose survey cost is more than Rs. 5 lakhs and up to Rs.10 crores
- 2.15 Empanelment shall be valid for a period of three years, which shall be extendable by maximum of three years depending upon the performance and quality of work rendered by the consultants.
- 2.16 Attach a separate sheet(s), wherever required.

3. Minimum Eligibility Criteria -

The empanelment will be done for Survey, Investigation, Drawing, Design & Estimate, Forest & Land Acquisition Cases, Preparation of Detail Project Reports for Irrigation and Multipurpose Works under Water Resources Department, Chhattisgarh.

The following would be the minimum eligibility criteria for empanelment:

- (i) Should have the desired key Professionals proposed for the assignment:

Experts

1. Team leader
2. Deputy Team leader
3. Estimation & Documentation Expert
4. Surveyors

- (ii) Should have properly established design office(s) having well qualified engineering and technical staff on his rolls, as per the requirement mentioned in enclosure.



(iii) Should have executed the following assignment in last five years:

- a) Should have obtained Administrative Approval for Minimum 15 Works on the Detail Project Reports prepared by firm from Water Resources Department of Chhattisgarh. (Appendix-1, Form-I)
 - b) Should have provided consultancy for Survey, Investigation, Drawing, Design & Estimate, and Preparation of Detail Project Reports in Water Resources Department of the Government of Chhattisgarh for at least three years. (Form-VI) The experience of work done by piece work shall not be counted as consultancy services to the department.
 - c) Should have minimum turnover of Rs.1.00 crore in any one year in consultancy services for Survey, Investigation, Drawing, Design & Estimate, Preparation of Detail Project Reports in CG Water Resources Department. (Appendix –II, Form-II)
 - d) Should have provided consultancy for Survey, Investigation, Drawing, Design & Estimate, Preparation of Detail Project Reports in Water Resources Department of the Government of Chhattisgarh for at least two projects having survey cost more than Rs.50 lakhs each or one work having survey cost more than Rs.100 lakhs. (Enclose copy of work order)
- (iv) All the Application Forms that are opened will be scrutinized on the basis of documents and information furnished by applicants with the Application Forms.
- (v) The Firm must be registered under GST system and have a valid GST Number at the time of applying for empanelment.
- (vi) Firms should furnish affidavit that they will engage experts of NABET and or other central agencies for EIA/EMP/Forest cases etc. whenever required and their continued services shall be obtained for clearance of such projects.

4. Preparation of Proposal:

- a. Consultants are requested to submit a proposal specified in the data Sheet. Consultants shall check the minimum qualifying criteria in data sheet before submitting the proposal.
- b. While Submitting proposal for empanelment, consultants must give particular attention to the following:
 - (i) It is desirable that the majorities of the key professional staff proposed be employees of the firm.
 - (ii) Proposed key professional staff must at a minimum have the experience indicated in the Data Sheet.
 - (iii) Alternate key professional staff not be proposed, and only one Curriculum Vitae (CV) may be submitted for each key professional position.
 - (iv) The firms must furnish proof in the form of bank statement of having the name of the person whose CV is provided, in the pay roll of firm at least one month before the date of EOI call. (Due to Covid protocol work from home is also allowed) If the bank statement not provided application form will be rejected.
- c. The Proposal should provide the following information using the attached Standard forms :-



- (i) Annexure I duly filled and signed along with necessary documents mentioned in format.
- (ii) Application form in Annexure II
- (iii) Appendix – I (Format for proof of Eligibility)
- (iv) Firms turnover for last five years in format Appendix II
- (v) The List of the proposed staff team by specially, the tasks that would be assigned to each staff team member and their timing.
- (vi) Any additional information requested in the Data Sheet.

5. Proposal Evaluation:

During evaluation of technical proposal, eligibility of the firm will be ascertained on the basis of CVs of key Professionals Staff, Organization details, Survey equipment with the Firm experience certificates, Firm's turnover and other information required to be submitted in Appendix I to II The firms failing to meet the minimum requirement will be rejected. Only those technical proposals, which score at least 75 points out of 100, shall be considered for empanelment. The firms will be ranked using technical scores, as indicated in the data Sheet.

5.1 First Stage Evaluation:

Eligibility requirement of experience and the following information shall be provided for evaluation.

- I. Firm's organization details, Experience of Projects and turnover during last five years shall be submitted respectively in **Appendix-I, II**. The certificates from the clients in support of the experience claimed in **Form I** shall be as per the sample format given in **Form VII**.
 - II. Should have executed the following assignment in **last five** years:
 - a) Should have obtained Administrative Approval for Minimum 15 Works on the Detail Project Reports prepared by firm from Water Resources Department of the Government of Chhattisgarh. (Appendix-1,Form-I)
 - b) Should have provided consultancy for Survey, Investigation, Drawing, Design & Estimate, and Preparation of Detail Project Reports in Water Resources Department of the Government of Chhattisgarh for at least three years. (Form-VI)
 - c) Should have minimum turnover of Rs.1.00crores in any year in consultancy services for Survey, Investigation, Drawing, Design & Estimate, Preparation Of Detail Project Reports in CG Water Resources Department. (Appendix –II, Form-II)
 - d) Should have provided consultancy for Survey, Investigation, Drawing, Design & Estimate, Preparation of Detail Project Reports in Water Resources Department of the Government of Chhattisgarh for at least two projects having survey cost more than Rs.50 lakhs each or one work having survey cost more than Rs.100 lakhs. (Enclose copy of work order)
- Only on successful evaluation of the first stage the consultants will have to be evaluated for second stage evaluation.

5.2 Second Stage: Technical Evaluation



Evaluation Criteria for Technical Proposal

The Points assigned to Technical Evaluation criteria and Professional/sub-professional staff are:

S.No.	Description	Marks
1.	Year of Establishment of the Firm in CG State	05
2	Survey equipment and Credentials.	05
3.	Minimum turnover in CG WRD Rs.1.00 Crores in any one year during last 5 years.	15
4	Minimum 15 Administrative Approval from , CG WRD, in last 5 years.	15
5	Team leader	05
6	Deputy Team leader	05
7	Estimation & Documentation Expert	03
8	Surveyors	02
9	Must have provided consultancy for 3 years in WRD in Chhattisgarh State in last 5 years.	15
10	Should have provided consultancy to WRD ,CG for two projects having survey cost more than Rs.50 lakhs or one work having survey cost more than Rs.100 lakhs	30
	Total:	100

Note- 1. The Consultant should score at least 75 points to be considered responsive for empanelment. The points shall be allotted on ratio basis i.e .fulfilling the criteria then full points if not fulfilling the criteria or partially fulfilling the criteria then point shall be allotted in ratio to the full points.

2. For Turn Over criteria (s.no.3) , for consultancy for 3 years to WRD, CG Criteria (s.no.9), and having provided consultancy for two works of 50 lakhs or one work of 100 lakhs criteria(s.no.10) ,on fulfilling the criteria full point shall be allotted and in case of partially fulfilling the criteria no point shall be allotted.



Enclosure-I

QUALIFICATION AND EXPERIENCE REQUIREMENT OF KEY PERSONNEL

Position	No. of positions	Qualification and experience
Team Leader	1	Masters Degree in Civil Engineering, or equivalent or Bachelor Degree in Civil Engineering with minimum 30 years experience in Water Resources Department.
Deputy Team Leader	1	Masters Degree in Civil Engineering, or equivalent.
Estimation & Documentation Expert	2	Degree in Civil Engineering/ Diploma in Civil Engineering with minimum 30 years experience in Water Resources Department.
Surveyors	6	Degree/Diploma/ITI in Civil Engineering or equivalent .



SECTION - 2

SURVEY INVESTIGATION AND PREPARATION OF DETAILED PROJECT REPORT OF WATER RESOURCES
DEPARTMENT WORK.



WATER RESOURCES DEPARTMENT

Reconnaissance survey of irrigation project including study of topo sheet, map, marking of alignment and collection of field data feasibility e.g. discharge and HFL of river / Nala Rainfall of proposed site, forest submergence, command area, type of scheme etc. complete as per guidelines of Engineer in Charge.

Carrying out double leveling to connect G.T.S. B.M. and establishing the levels on B.M. or P.B.M. @ site including all expenditure incurred for man, material and machinery establishment including all survey instrument hire charges for above 30 m interval etc. complete as directed by Engineer In Charge.

Carrying out detailed Survey by using total station ,taking levels as specified including taking cross section at specified intervals chaining, leveling, checking & closing levels at TBM/BM for every day's work and preparation of contour plotting at specified interval and scale, all expenditure incurred for man, material and machinery establishment & also including plotting & preparation for map on AutoCAD including locating & marking on Village map all drawings etc. complete as directed by Engineer in Charge.

Establishing standard bench mark as per "type, design – 8" of water resources department at site. Along alignment, including all Excavation, Concrete work, fixing of M.S. Steel plate in Line & levels of size 20cmX20 cmX0.6 cm. With proper hold fast for anchorage in concrete, curing, filling the B.M. pit with proper material etc. complete as directed by Engineer in charge (as per WRD SOR Item no 208)

Providing and fixing alignment pillar stone as per "type, design – 6" of water resources department of approved quality of size 75cm X 15 cm X 15 cm. @200 m interval along barrage alignment, submergence contour (FRL), approach channel, Main canal, branch canal alignment finally selected including all excavation, fixing in position, concrete & curing work etc. complete as directed by Engineer in charge (as per WRD SOR item no 210)

Pillar stone of size 15X15X75 cm of 1:2:4 RCC including cost of steel

Erection and fixing (embedding 45 cm depth of stone with 15 cm concrete all around and in bottom),Cot of cement, metal and sand (for 0.11 cum 1:3:7: C.C. with 40 mm graded metal)

Labour for excavation (any type of soil). Handling and fixing of B.M. stone including mixing, laying & Curing of concrete, Cost of water for mixing and curing of concrete

Preparation of Design, Plans & Estimate for Irrigation schemes i.e. Tank, Diversion, Anicut , Stop dam, Weir and Barrages.

Preparing Hydrological studies like yield, flood, sediment distribution, crop water requirement and simulation studies, preparing the design booklet in prescribed Performa with required Copies of proposal, obtaining approval from WRD wherever necessary including compliances of remarks raised by SE/CE/ design cell of E-in-C complete as directed by Engineer in Charge. (This shall include preparation of related of related maps like General Layout, index map, L-Section and X-Section of barrage and earthen dam, Command map, etc. (Soft copy of all designs needs to be provided.)



SECTION – 3

GUIDELINES & SPECIAL CONDITION OF CONTRACT



Survey work guideline

1. The consultant shall select the site of the project which is **ordered by Executive Engineer** in writing and carry out detailed survey & investigation work and prepare the estimate as per guide lines issued by the Govt. from time to time.
2. The survey work prepared by consultant & field data collected should be proper, precise & realistic with the site condition. The consultant will be responsible for the discrepancies revealed during construction of the project as per plans and estimates provided by the consultant. In such case the consultant's shall punished as per the clauses in Agreement.
3. The consultant should obtain following documents from the competent authority before commencements of survey work and submit it to the Engineer In charge:-
 - A) Non overlapping of site from W.R.D. and other survey divisions or any type of obstruction due to which the project could not be implemented.
 - B) During the survey work water availability certificate from the competent authority.
 - C) Confirmation for Govt. / Private / Forest land from the concerned department.
4. Consultant shall be allowed to carry out the survey of the private fields, enter the private fields for the survey and planning of the project without making any types of damages to the existing structure on the field or crops of the farmers.
5. If forest land, resettlements of huts, other infrastructure projects other obstructions like Highways, Railway Line, H. T. Line if coming under scheme should not be shifted without written consent of Executive Engineer or competent authority.
6. Any submission of the record should be prepared by computerized printing and the C.D. prepared as under.
 - A) All designs & estimates should be prepared in excel.
 - B) All drawings to be prepared in AutoCAD in prescribed scale.
7. The survey should be carried out by Total Station Leveling instrument only. All field books, level books etc. shall be submitted by the consultant duly verified and signed by the Engineer in Charge.
8. For individual site, the bench mark shall be established at the site in presence of concerned S.D.O. / S./E. / A.E.(D) and its location, value etc. shall be recorded on field book by the S.D.O. / S/ E./ A.E.(D) and the consultant agency. The value of this Bench mark shall be marked on permanent structure or on the TBM pillar constructed at the site.
9. After taking bore holes, Bore logging should be logged by E.E. and certified by the Geologist. Bore samples should be preserved in core boxes. All trial pits shall be verified by the officer not below the rank of S.D.O.



10. Survey work done should be linked with GPS to check accuracy and compared with field survey. No separate payment shall be made for GPS comparison.
11. Service tax prevailing from time to time will be paid by the agency
12. To prepare map of L-Section and Plan of Barrage and Submergence should be plotted with appropriate Scale and the Drawing should be Distinct and clearly visible. It should represent Contour, bearing table, apex details, location of structures, Hydraulic details, B.H. result. etc.
13. All alignment of Barrage should be finalized by Executive Engineer after inspecting the actual project site.
14. All survey or Additional survey if required should be carried out as per directives of Engineer In charge as shown above. Mounting Tracing of all maps & Required Blue prints (25 Copies each) should be supplied.
15. The consultant shall have to establish the value of P.B.M. Constructed by him from the bench mark value provided by the Irrigation Department. The value shall be established by double leveling and cross checking with the PBM. The permissible error shall not exceed the least count of the standard leveling staff. PBM Location map with levels shall be prepared. The location of PBM with its value should write in concrete pillar by Oil paint. The consultant will be responsible for accuracy of the PBM so established.
16. Investigation of Strata
 - A) The Strata classification should be verified and certified by the Executive Engineer as per actual inspection of site.
 - B) Bore hole Classification should be verified and certified by Executive Engineer as per actual inspection of Site.
17. Availability of Materials
 - A) While preparing the Estimate, the Lead & Availability of material In sufficient Quantity should be verified & got certified from the Executive Engineer.
18. Land Acquisition
 - A) It should be confirmed that the sufficient provision are made under sub head B Land
 - B) The provision for Land cost should be made as per Land record Rates.
 - C) Sufficient provision for affected wells, structures, electric line, roads should be made in the Estimate.
19. Environment
 - A) It should be confirmed that there should be no Environmental loss during Survey Work, Boring work etc.
 - B) The Provision Under this head should be made for maintaining Environmental status as directed by Engineer In charge.
20. Certificates:-

The Following certificates should be attached with the estimate



- A) Catchment area certified by the Executive Engineer.
- B) Lead statement for various construction materials certified by Executive Engineer.
- C) Strata classification certified by Executive Engineer.
- D) Statement showing the names of persons responsible for various activities required Drawing & Revenue Proforma.

21. Drawings

- A)
 - 1) Index map Scale 1:50000
 - 2) Map showing adjacent project (Showing their command etc.) scale 1:50000
 - 3) A) Barrage, location, grid plan and L-Section of Barrage Showing on contour map
Plan scale 1 cm = 20 m.
B) Submergence plan showing contour on map and all affected factor like Village, Road, H.T. Line etc. plan scale 1cm=20m.
 - 4) General layout of Scheme scale 1 cm = 50m.
 - 5) Quarry map Scale 1 cm = 500 m.
 - 6) Plan & section of following (Scale 1 cm = 1.00 m or any Suitable scale as Directed)
- B) Barrage
 - 7) River cross section up to (H.F.L + 3.00 m) @ Jack Well portion Scale 1 cm = 20 m (Hor.); 1cm + 1.00 m (ver.)
 - 8) Any other specific drawing or information as directed by the competent authority.

8 .A -Information should be collected for the benefitted villages of the scheme Same should be maintained in prescribed proforma in register and should be handed over at the time of D.P.R. Submission.

8.B-Village Area Abstract & Village Wise Namuna

22. Presentation :-

- A) The consultant will have to submit the following documents
 1. C.D. of map / design / annexure: 1 No.
 2. Computer print of Each map : 5 Print each
 3. Design note with calculation : 8 copies
 4. All alternative survey : 5 copies
 5. Reports : 5 copies
 6. Field Books : All
 7. D.P.R. In Vol I & II : One Original and copies as required
- B) All drawing, Sketches, maps, plans to be finally submitted to the department should be drawn on polyester transparent tracing / film of approved quality as directed by the Executive Engineer. It should be drawn in permanent black ink. Lettering should be stenciled unless otherwise specified and also in form of C.D. A proper numbering



system should be used. Each such tracing should be accompanied by one legible ammonia print taken for the tracing.

C) All design report, statements, notes etc. Should be clearly typed on good quality paper.

23. Stages of Work

Works consist of following Stages which may be modified time to time as per direction of Engineer In charge as per site condition. River Survey, Barrage and Submergence survey etc/. Plotting for Barrage, alignment, Taking approval from Executive Engineer after approval, taking bore holes at Barrage etc. Preparing of all design, Drawing, Estimates as per directives Compilation of above in Volume I & II or DPR & submission for Approval and sanction Approval of DPR Submit Clean 10 copies of DPR.



SECTION – 4

TERMS OF REFERENCE AND SCOPE OF WORK



1. Feasibility Study

The consultant shall have to carry out necessary surveys such as field traffic surveys, investigation as directed by the Engineer in Charge for preparation of feasibility study report. The cost estimates and financial feasibility report along with the feasibility study report with necessary recommendations / comments shall be given by consultant.

2 Structural Design

In case the bids are invited on the GAD prepared by the consultant then the consultant shall analysis & design and prepare the detailed structural drawings of all components of the Structures & submit the same along with structural design calculation to the department. He should also get the detailed design proof checked from the institution / consultant approved by the client. He should get approved the structural design from competent authority and comply the points the points raised if any during the course of approved

He should provide consultancy services & assistance to Railways / Water resources department of all activities during the course of approval of structural design.

After approval of structural design, he should apply 10 sets of finished structural design / drawing duly signed approving authority including one soft copy. He should arrange sites visits once in a month or as desired by Engineer in charge regarding structural design ion contest of and compliance of instruction issued by the Authorities, till the completion of project to Water Resources Department.

He should provide consultancy services & assistance to Water Resources Department for all activities during the course of preparation & approval of estimate for such projects.

After approval of estimate he should supply 10 sets of detailed estimate duly signed by approving authority including one soft copy.

3. Proof check by the Consultant:

The consultant shall analyse and proof check the detailed structure drawing of all the components of structure and submit the same with the technical remarks if any on structured design. He should scrutinize and proof check the structural drawing and design till receipt of approval from competent authority and compliance of points raised if any during the course of approval in case the detailed designs are scrutinized by Superintending Engineer .

4. Standards and codes of practices

All activities listed above at Sr. No. 1 to 3 shall be done as per the latest guideline / circulars of Water resources department and Central Water Commission/ISI codes/specifications etc. prevailing at the time.



5. Payment to Consultant

Payments will be made as per the financial proposal of the consultant & as per the term and condition of payments listed in Agreements pertaining to the individual work allotted to empanelled consultant.

6. Time period for services

Time period shall be as per the clause in Agreement between consultant & Water resources department for individual work.

7. Penalty

The consultant will individually be held responsible by the Water Resources Department for any direct loss or damage which accrues due to deficiency in services **and the department may recover such loss to the extent recoverable from the bills /works of the consultants allotted to him in other districts /divisions also. The WRD if deemed fit may also consider the termination of the work allotted to the consultants due to such deficiency in services .** Penalty shall be imposed on the services on the consultant for poor performance / deficiency in services as expected from consultant as per the clauses in Agreement of individual work.



SECTION – 5

FORMS AND FORMATS



Annexure – I (Format of Forwarding Letter)

No.....

Date:...../...../.....

To,
The Engineer in Chief
Water Resources Department
Shivnath Bhawan
Atal Nagar, Nawa Raipur, Chhattisgarh

Subject: Empanelment of Consultant for Preparation of Feasibility Report, Survey, Investigation, Drawing, Design & Estimate, Forest Cases & Land Acquisition, Preparation of Detail Project Reports for Irrigation and multipurpose Works under Water Resources Department, Chhattisgarh.

In response to your advertisement dated/...../..... in, we herein, apply for empanelment of consultants for Survey, Investigation, Drawing, Design & Estimate, Forest Cases & Land Acquisition, Preparation Of Detail Project Reports For Irrigation and multipurpose Works Under Water Resources Department, Chhattisgarh.

1. This is to confirm that:

The offer has been signed in the prescribed Application form on behalf of the company / firm / any other corporate body and a certificate of authorization / Power of Attorney in any other name is enclosed, in original along with a photocopy thereof, as Annexure with this Application Form.

- a) We understand that competent authority shall finally decide the category of empanelment, if found suitable by the Water Resources Department.
- b) Each page of the Application Form along with the Annexure attached thereto has been signed.
- c) We certify that address(es) and telephonic number(s) given in the Application form are correct and if there is any change in the address / telephone number the same will be intimated to the Water Resources Department immediately and not later than 07 days from the date of change. Any letter posted at the address given in the Application Form shall be deemed to have been delivered / served to me / my firm / my company, till such the change is communicated to the Water Resources Department and affected in the office record.
- d) We agree to abide by all the terms and conditions, framed by your Water Resources Department for Empanelment.

Signature of Applicant
Name in Capital letters
Designation



ANNEXURE II (APPLICATION FORM)

WATER RESOURCES DEPARTMENT, CHHATTISGARH

APPLICATION FORM

Empanelment of Consultant for Preparation of Feasibility Report , Survey, Investigation, Drawing, Design & Estimate, Forest & Land Acquisition Cases, Preparation Of Detail Project Reports For Irrigation and multipurpose Works Under Water Resources Department, Chhattisgarh.

(Please read Instructions & General Information Sheet carefully before filling up this Form)

APPLICATION FORM

Empanelment of Consultant for Preparation of Feasibility Report, Survey, Investigation, Drawing, Design & Estimate, Forest Cases & Land Acquisition Cases, Preparation Of Detail Project Reports For Irrigation and multipurpose Works Under Water Resources Department, Chhattisgarh.

1. Particulars of Applicant Professional / Firm / Company			
Name			
Registration if No., if any		PAN No.	
Address:		Tel. No.	
		Mobile	
		Fax No.	
City		Pin Code	
Email:	Website:		
2. Type of Applicant	Public Sector	Individual	Private Limited
	Partnership	Proprietorship	Public Limited
3.Details of non-refundable Fee			
DD No.		Date:	Amount:
4.Particulars of Managing Director / CEO / Proprietor / Managing Partner			
Name of Head			
Address:		Tel. No.	
		Mobile	
		Fax No.	
City		Pin Code	
Email:			
5.Locations of Offices in and around STATE			



Name of Head				
Address:		Tel. No.		
		Mobile		
		Fax No.		
City		Pin Code		
Email:				
6. Turnover of Applicant during last Five years (Rs. In lacs)				
Year	Month		Total Turnover	Turnover from Consultancy
	From	To		
Certificate of Chartered Accountant and Balance Sheet enclosed at Page No.				
7. Certificates and affiliation with professional bodies				
Sr. No.	Name of the Certifying affiliating organization	Type of certification affiliating organization	Period of validity	
Add a separate sheet, if necessary				
8. List of consultancy works executed during last five years. Please furnish details in prescribed format attached.				
9. List of facilities available with Applicant				
i	No. of computers available with the Applicant (If applicant does not have computers, what arrangements does he have for taking computer services?)			
ii	Other Specific equipment if available?			
10. Bio-data of key professionals/Engineers working with the firm/company should be provided as per format of prescribed.				
11. Details of other staff working with the Applicant in Annexure D.				
12. Any other facility/information that the Applicant wants to mention. Please attach a separate sheet, if necessary.				
List of Enclosures				
i				
ii				
iii				
iv				



It is certified that the information and documents furnished above are correct and true to the best of our knowledge and my understanding that if anything contrary to what has been stated above comes in the notice of the Department at any time, it may cancel our candidature and / or take any other action including canceling our empanelment, if we are empanelled, and the decision of the Water Resources Department shall be final.

Date:

Place:

**Signature of Applicant
Name in Capital letters
Designation (Seal)**



APPENDIX - 1

(Formats for Proof of Eligibility)

(Form-I)

Firm Experience in Preparation of Feasibility Report, Survey, Investigation, Drawing, Design & Estimate, Forest Cases & Land Acquisition Cases, Preparation of Detail Project Reports and obtaining administrative approval for Irrigation and multipurpose Works under Water Resources Department, Chhattisgarh.

S. No.	Name of the Project / Assignment	Name & Address of Client with Tel. No.	Experience as Sole firm	Brief Scope of Work
1				
2				
3				
4				
5				
....				
....				
15				

Note: Enclose copy of Work Order and Administrative Approval in support of this.

Signature of Applicant
Name in Capital letters
Designation (Seal)

Date:

Place:



APPENDIX - II

**FIRM'S TURNOVER IN CG WRD FOR THE LAST 5 YEARS
(Form II)**

**Information be furnished financial year wise i.e.2016-17, 2017-18, 2018-19,
2019-20, 2020-21**

S.No.	Name of Division	Name of Work	Amount of consultancy	Date of work order	Agreement no.	Amount received	Remarks
1	2	3	4	5	6	7	8

**Signature of Applicant
Name in Capital letters
Designation (Seal)**

Date:

Place:



FORM - III

DETAILS REGARDING WORKS IN HAND

S.NO.	Name of the Project and Cost	Consultancy Fees	Duration for Completion		Scope of Work
			Start Date	Completion Date	
1					
2					
3					
4					
5					

Signature of Applicant
Name in Capital letters
Designation (Seal)

Date:

Place:



(FORM - IV)

DETAILS OF AVAILABLE KEY PERSONS

S.No.	Position	Qualification	Experience
1			
2			
3			
4			
5			
6			
7			

The Curriculum Vitae for each key person shall be enclosed.

**Signature of Applicant
Name in Capital letters
Designation (Seal)**

Date:

Place:



(FORM - V)

LIST OF KEY EQUIPMENTS

S.No.	Name of Equipments	Desired	Nos. available with Firm
1	Total Station	2	
2	Auto Level	5	
3	Hand GPS	5	

Note-

- 1. Bill of purchase of equipment must be furnished along with this statement.**
- 2. The equipment should not be more than five years old.**

Signature of Applicant
Name in Capital letters
Designation (Seal)

Date:

Place:



FORM - VI

DETAILS REGARDING WORKS EXECUTED

S.NO.	Name of the Project and Cost	Agreement No. and Date	Agreement Amount
1			
2			
3			
4			
5			



FORM - VII
EXPERIANCE CERTIFICATE
Office of the Executive Engineer

.....



FORM VIII

**FORMAT OF CURRICULUM VITAE (CV) FOR
PROPOSED PROFESSIONAL STAFF**

Proposed Position :

Name of Firm :

Name of Staff :

Profession :

Date of Birth :

Years with Firm/Entity : Nationality

Membership Professional Societies

Key Qualifications:

[Give an outline of staff member’s experience and training most pertinent to tasks on assignment. Describe degree of responsibility held by staff member on relevant previous assignment and give dates and locations.]

Education:

[Summarize college/university and other specialized education of staff member, giving their names, dates attended, and degrees obtained.]

Employment Record:

[Starting with present position, list in reverse order every employment held. List all positions held by staff member since graduation, giving dates, names of employing organizations, titles of positions held, and locations of assignments. For experience in last ten years, also give types of activities performed and client references, where appropriate. [Page limit of CV not more than – Pages]

Languages:

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

(Signature of Authorised representative of firm)