

Government of Rajasthan

PUBLIC WORKS DEPARTMENT

**DIVISION-SIMALWARA
DISTT. DUNGARPUR
RAJASTHAN**

BIDDING DOCUMENT (Request for Proposal)

For

“Consultancy Services for Detailed Design and Drawing for Construction of High Level Bridge across Mahi River at Sangmeshwar on Chikhli-Anandpuri Road Distt. Dungarpur under CRF (Job No. CRF-885/RJ/2016-17) which include Topographic Survey, Hydrological Investigations, Geo-Technical Investigations and Preparation of General Arrangement Drawing.

COST OF BID DOCUMENT – Rs. 500/

Name of Work :- “Consultancy Services for Detailed Design and Drawing for Construction of High Level Bridge across Mahi River at Sangmeshwar on Chikhli-Anandpuri Road Distt. Dungarpur under CRF (Job No. CRF-885/RJ/2016-17).

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(समाचार पत्रों में प्रकाशनार्थ)

कार्यालय अधीक्षण अभियन्ता, सार्वजनिक निर्माण विभाग, वृत्त डूंगरपुर

क्रमांक:-TS/NIT/2017-18/D- 7२५

दिनांक:- २१/०६/१७

-: निविदा सूचना संख्या 03/2017-18 :-

राजस्थान के राज्यपाल महोदय की ओर से राजस्थान सरकार के " एए ", " ए ", " बी " एवं " सी " श्रेणी के संवेदकों एवं केन्द्रीय सरकार एवं राज्य सरकार व उनके अधिकृत संगठनों में पंजीकृत संवेदकों जो कि राजस्थान सरकार के " एए ", " ए ", " बी " एवं " सी " श्रेणी के संवेदकों के समकक्ष हो उनसे निर्धारित निविदा प्रपत्र में ई-प्रोक्यूरमेन्ट प्रक्रिया हेतु ऑनलाईन निविदा आमंत्रित की जाती हैं। निविदा से संबंधित विवरण इंटरनेट साईट www.eproc.rajasthan.gov.in, www.dipronline.org & sppp.rajasthan.gov.in पर उपलब्ध है।

कुल निविदा के कार्य	: 1 कार्य (कन्सलटेंसी एवं विस्तृत प्रोजेक्ट रिपोर्ट)
निविदा की लागत	: रु. 40.00 लाख
कुल धरोहर राशि	: अनुमानित लागत की दो प्रतिशत 80000/- अनुमानित लागत की आधा प्रतिशत 20000/-
ऑन लाईन निविदा निविदा फार्म मिलने की तारीख	: 30.06.2017 (शुक्रवार) प्रातः 10.00 बजे से 21.07.2017 (शुक्रवार) सायं 6.00 बजे तक
ऑन लाईन निविदा फार्म जमा कराने की तारीख	: 30.06.2017 (शुक्रवार) प्रातः 10.00 बजे से 21.07.2017 (शुक्रवार) सायं 6.00 बजे तक
ऑन लाईन निविदा खोलने की दिनांक	: 25.07.2017 (मंगलवार) प्रातः 11.00 बजे

(संदीप माथुर)
अधीक्षण अभियन्ता,
सा0नि0वि0 वृत्त डूंगरपुर

(वेब साईट पर अपलोड करने बाबत)

कार्यालय अधीक्षण अभियन्ता, सार्वजनिक निर्माण विभाग, वृत्त डूंगरपुर

क्रमांक:-TS/NIT/2017-18/D-

दिनांक:-

निविदा सूचना संख्या 03/2017-18 :-

राजस्थान के राज्यपाल महोदय की ओर से निम्नलिखित कार्य कि निविदा प्रपत्र में अंकित के लिए उपयुक्त श्रेणी में पजीकृत संवेदकों से निर्धारित प्रपत्र में ई-टेन्डरिंग प्रक्रिया हेतु ऑन लाइन निविदाएं आमंत्रित की जाती है।

क्र. सं.	कार्य का विवरण	अनुमानित लागत (लाखों में)	धरोहर राशि (रुपयों लाखों में)		निविदा प्रपत्र शुल्क	कार्य पूर्ण करने की अवधि	खण्ड कार्यालय का नाम	निविदा प्राप्ति कार्यालय का नाम
			2%	½%				
1.	Consultancy for detailed design and drawing for const. of High level bridge accross Mahi river at Sangmeswar on Chikhli Anandpuri Road Distt. Dungarpur under CRF (Job. No. CRF-885/RJ/2016-17 which include Topographic survey, Hydrological Investigations and Geo-technical investigations preparation of General arrangement drawings, detaled design and drawing and scope of work as mentioned in tender document.	40.00	0.80	0.20	500/-	3 माह	अधिषाषी अभियन्ता, सा0नि0वि0 खण्ड -सीमलवाड़ा	अधिषाषी अभियन्ता, सा0नि0वि0 खण्ड -सीमलवाड़ा

अ. सामान्य :

निविदा सूचना में भरी दरे नियमानुसार वैध रहेगी। किसी भी प्रकार की निविदा स्वीकार या अस्वीकार करने का अधिकार सक्षम अधिकारी को होगा।

नोट:-आर.पी.डब्ल्यूए-100 की समस्त शर्तें मान्य होगी।

ब. बिडींग डाक्यूमेन्ट :-

- निविदा प्रपत्र को इन्टरनेट साईट www.eproc.rajasthan.gov.in & sppp.rajasthan.gov.in से दिनांक 30.06.2017 (शुक्रवार) को प्रातः 10.00 बजे से दिनांक 21.07.2017(शुक्रवार) को सायं 6.00 बजे तक डाउनलोड (Down load) कर सकते है। इन निविदाओं को इलेक्ट्रॉनिक फॉरमेट में वेब साईट www.eproc.rajasthan.gov.in & sppp.rajasthan.gov.in पर जमा कराएं।
- उक्त कार्य की निविदा प्रपत्र को इलेक्ट्रॉनिक फॉरमेट में वेब साईट www.eproc.rajasthan.gov.in & sppp.rajasthan.gov.in पर दिनांक 30.06.2017(शुक्रवार) प्रातः 10.00 बजे से दिनांक 21.07.2017(शुक्रवार) को सायं 6.00 बजे तक जमा कराए जा सकते है एवं प्राप्त निविदायें, इलेक्ट्रॉनिक फॉरमेट में वेब साईट www.eproc.rajasthan.gov.in & sppp.rajasthan.gov.in पर उपस्थित निविदादाताओं व उनके प्रतिनिधियों

- के समक्ष दिनांक 25.07.2017(मंगलवार) को प्रातः 11.00 बजे खोली जावेगी। यदि किसी कारणवश उस दिन अवकाश रहता है तो अगले कार्य दिवस को उसी समय व उसी स्थान पर निविदायें खोली जायेगी।
- 2.(अ) निविदा की समस्त प्रक्रिया ऑन लाईन होगी।
 (ब) तकनीकी निविदा में सफल निविदादाताओं के वित्तीय निविदा-पत्र इलेक्ट्रॉनिक फॉरमेट में वेब साईट www.eproc.rajasthan.gov.in & sppp.rajasthan.gov.in पर निविदा प्राप्त कार्यालय में खोली जायेगी। जिसके लिए समय एवं दिनांक सफल निविदादाताओं को सूचित कर दिया जावेगा।
3. निविदा प्रपत्र को वेब साईट www.eproc.rajasthan.gov.in & sppp.rajasthan.gov.in पर देखा जा सकता है। निविदा प्रपत्र में निविदाकर्ता के लिए योग्यता सूचना तथा निविदाकर्ता की पत्रता, प्लान, स्पेसिफिकेशन, ड्राईंग, विभिन्न कार्यों की मात्रा एवं दरों का विवरण, नियम, शर्तें एवं अन्य विवरण वर्णित हैं निविदादाता इन प्रपत्रों को Download कर सकते हैं।
4. निविदादाता द्वारा निविदा शुल्क एवं धरोहर राशि अधिशाषी अभियन्ता, सा0नि0वि0 संबंधित खण्ड के नाम डिमाण्ड ड्राफ्ट एवं अतिरिक्त शुल्क **Managing Director, RISL payable at Jaipur** के नाम डिमाण्ड ड्राफ्ट के रूप में संबंधित कार्यालय में तकनीकी निविदा खोलने के एक दिन पूर्व तक जमा कराना आवश्यक है।
5. धरोहर राशि हेतु डिमाण्ड ड्राफ्ट/ बैंकर्स चेक ही स्वीकार किये जायेंगे।
6. **ई-टेंडरिंग के लिए निविदादाता हेतु निर्देश:**
 अ. इन निविदाओं में दिलचस्पी लेने वाले निविदादाता निविदा प्रपत्र को इन्टरनेट साईट www.eproc.rajasthan.gov.in & sppp.rajasthan.gov.in से डाउनलोड (Down load) कर सकते हैं।
 ब. निविदाओं में भाग लेने वाले निविदादाताओं को इन्टरनेट साईट www.eproc.rajasthan.gov.in & sppp.rajasthan.gov.in पर रजिस्टर करवाना होगा। ऑनलाईन निविदा में भाग लेने के लिए डिजिटल सर्टिफिकेट इन्फोरमेशन टेक्नोलॉजी एक्ट-2000 के तहत प्राप्त करना होगा जो इलेक्ट्रॉनिक निविदा में साइन करने हेतु काम आयेगा। निविदादाता उपरोक्त डिजिटल सर्टिफिकेट सी.सी.ए. (CCA) द्वारा स्वीकृत एजेन्सी से प्राप्त कर सकते हैं। जिन निविदादाताओं के पास पूर्व में वैध डिजिटल सर्टिफिकेट है, नया डिजिटल सर्टिफिकेट लेने की आवश्यकता नहीं है।
 स. निविदादाताओं को निविदा प्रपत्र इलेक्ट्रॉनिक फॉरमेट में उपरोक्त वेबसाइट पर डिजिटल साईन के साथ प्रस्तुत करना होगा। जिसके प्रस्ताव डिजिटल साईन के साथ नहीं होंगे, उनके प्रस्ताव स्वीकार नहीं किये जायेंगे।
 द. ऑनलाइन निविदाएँ निर्धारित दिनांक एवं समय पर उपरोक्त क्रम संख्या 2 (अ) के अनुसार खोली जायेगी।
 य. इलेक्ट्रॉनिक निविदा प्रपत्र को जमा कराने से पूर्व निविदादाता यह सुनिश्चित कर लेवे की निविदा प्रपत्र में संबंधित सभी आवश्यक दस्तावेजों की स्केन कॉपी निविदा प्रपत्र के साथ अटैच कर दी गई है।
 र. कोई भी टेंडर इलेक्ट्रॉनिकी जमा कराने में किसी कारण से लेट हो जाता है तो उसका जिम्मेदार विभाग नहीं होगा।
 ल. टेंडर के प्रपत्र में आवश्यक सभी सूचियों को संपूर्ण रूप से भरकर ऑनलाईन दर्ज करें।
7. निविदा सूचना इन्टरनेट साईट www.pwd.rajasthan.gov.in, www.dipr.rajasthan.gov.in एवं www.eproc.rajasthan.gov.in & sppp.rajasthan.gov.in पर भी उपलब्ध है।
8. अन्य विवरण निविदा प्रपत्र में उपलब्ध हैं।

(संदीप माथुर)
 अधीक्षण अभियन्ता,
 सा0नि0वि0 वृत्त डूंगरपुर

क्रमांक:-TS/NIT/2017-18/D- 720

दिनांक:- 21/08/17

प्रतिलिपि निम्नलिखित को सूचनार्थ :-

1. श्रीमान् मुख्य अभियन्ता एवं अतिरिक्त सचिव सा0नि0वि0 राजस्थान जयपुर।
2. श्रीमान् मुख्य अभियन्ता (भवन) सा0नि0वि. राजस्थान जयपुर।
3. श्रीमान् अतिरिक्त मुख्य अभियन्ता, सा0नि0वि0 संभाग उदयपुर।
4. अधीक्षण अभियन्ता, सा0नि0वि0 वृत्त उदयपुर/राजसमंद/चित्तौडगढ/बांसवाडा/प्रतापगढ
5. अधिशाषी अभियन्ता, सा0नि0वि0 खण्ड डूंगरपुर/सागवाडा/सीमलवाडा को भेजकर लेख है कि कृपया अपने-अपने खण्ड के कार्यों की निविदा संबंधी प्रपत्र वेब साईट [http:// dipr.rajasthan.gov.in](http://dipr.rajasthan.gov.in) व विभागीय वेब साईट [http:// pwd.rajasthan.gov.in](http://pwd.rajasthan.gov.in) / <http://: eproc.rajasthan.gov.in> पर निर्धारित तिथि से पूर्व ही अपलोड करवाना सुनिश्चित कर इस कार्यालय को सूचित करें।
7. सहायक अभियन्ता सा0नि0वि0 उपखण्ड प्रथम /द्वितीय डूंगरपुर/प्रथम/द्वितीय सागवाडा / आसपुर/प्रथम /द्वितीय सीमलवाडा।
6. तकनीकी सहायक/सहायक लेखाधिकारी/केशीयर/ऑडिटर डूंगरपुर।
7. पी. डब्ल्यू. डी. ठेकेदार संघ, डूंगरपुर।
8. नोटिस बोर्ड कार्यालय हाजा।

(संदीप माथुर)
अधीक्षण अभियन्ता,
सा0नि0वि0 वृत्त डूंगरपुर

Information to Consultants (General Instructions)

Important Instruction:- The Law relating to procurement “The Rajasthan Transparency in Public Procurement Act, 2012” [hereinafter called the Act] and the “Rajasthan Public Procurement Rules, 2013” [hereinafter called the Rules] under the said Act have come into force which are available on the website of State Public Procurement Portal <http://sppp.rajasthan.gov.in> Therefore, the Consultants are advised to acquaint themselves with the provisions of the Act and the Rules before participating in the procurement process. If there is any discrepancy between the provisions of the Act and the Rules and this Request for Proposals Document, the provisions of the Act and the Rules shall prevail.

The Superintending Engineer Public Works Department Circle Dungarpur Rajasthan invites bid on behalf of Governor of Rajasthan through e-tendering from eligible Consultants / bidders for following work:-

Name of Work:- **“Consultancy Services for Detailed Design and Drawing for Construction of High Level Bridge across Mahi River at Sangmeshwar on Chikhli-Anandpuri Road Distt. Dungarpur under CRF (Job No. CRF-885/RJ/2016-17).**

NIT No.:- 03/2016-17

Bid document available on	www.eproc.rajasthan.gov.in
Time period for engagement of consultant	Till completion of the project
Date for start sale of Bid documents	30.06.2017 at 10:00 AM
Last date and time for sale of Bid documents	21.07.2017 up to 06:00 PM
Last date and time for submission of Bid documents	21.07.2017 up to 06:00 PM
Cost of Bid documents	Rs. 500/- (nonrefundable)
Bid Security/Earnest money	2% of estimated cost that is Rs. 80,000/- or 0.5% of estimated cost (Only for the firm registered with PWD Rajasthan) that is Rs. 20,000/-
Time and date of opening of Bids documents	25.07.2017 at 11:00 AM

Submitted pages as required shall be duly signed by the bidder or an authorized person to sign on behalf of the applicant. Such authorization shall be introduced by a written power of attorney accompanying the bid.

1. The agencies are requested to give correct information as contained in these documents and give documentary evidence in support of the information as under:
 - i. Structure of Organization.
 - ii. Company Profile with list of Key Personnel, their qualification and relevant experience.
 - iii. Details of experience in similar works during last 10 years ending last day of the month previous to the one in which bids are invited.
 - v. Certificate of registration for Sales Tax/ VAT if applicable.
 - vi. Certificate of registration for Service Tax.
 - vii. If the agency is not registered under Service Tax then an affidavit that he will get Service Tax registration certificate before claiming any payment.
 - viii. Details of Financial turnover for last five financial years supported by copies of balance sheet and Income & Expenses Account Copies of degrees.
2. **Eligibility/Qualification Criteria:** - The consultants, who fulfill the following requirements, shall be eligible to apply. Joint Ventures are not accepted. The consultant should have satisfactory completed the works as mentioned below during the last 10 years ending last day of the month previous to the one in which bids are invited.
 - (a) Similar work of consultancy of at least one project of worth at least Rs. 75 Crores or two projects each of worth Rs. 50 Crores out of it one project should be with some Central/ State Government/ Central Autonomous Body/ State Autonomous Body/ Central Public Sector Undertaking/ State Public Sector Undertaking.

AND
 - (b) Similar work of consultancy of at least one projects of two lane road river bridge of length at least 500 metre.

AND

- (c) Average financial turn over during last three financial years ending 31.03.2017 should not be less than Rs. 75 Lacs.

AND

- (d) Similar work of consultancy of at least one projects of two lane road river bridge in river having average mean water depth of at least 10 metre.

AND

- (e) Similar work of consultancy of at least one projects of two lane road river bridge having minimum span of 45 metre with any kind of superstructure arrangement.

AND

- (f) Consultant should be empanelled by MoRTH (Ministry of Road Transport and Highway).

Note: - (i) Similar work means consultancy services for preparation of GAD (General Arrangement Drawing), Geometric Design Drawings, Bill of Quantity, Structural Design, Issue of Good for construction drawings etc. of Bridge Projects/ Cable Stayed Bridge / Flyovers / Major Bridges over River or Creek / Elevated Corridors / Metro Corridors / Interchanges or Grade Separator / ROBs. The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from date of completion to last date of receipt of application for tenders.

(ii) Supporting documents like Certificates from the client in support of each of the above projects to be furnished.

(iii) The photographs and/or sketches/drawings etc. can be enclosed to supplement any salient features/components.

3. Offers from the eligible Consultants / bidders for structural design for flyovers/ bridges/roads etc. for providing the consultancy services listed under the scope of services in this bid document.

4. The standard terms and conditions of the contract for providing consultancy services are contained in this document. The bidders are requested to go through

- (i) Information to Consultants (General Instruction)
- (ii) Terms of Reference
- (iii) Contract
- (iv) Conditions of the Contract and
- (v) Appendix I and II
- (iv) Submission checklist

5. Time schedule

The basic consideration and the essence of the contract shall be adherence to the time schedule for performing the services. The total job is divided into three stages.

Stage -1 will be pre-tender stage (on page no.22),

Stage -2 will be the tender stage (on page no.29), and

Stage-3 will be post tendering stage (on page no.30),

Time allowed for stage -1 and 2 will be 3 (Three) months.

6. Language of Bids

All information in the bid shall be in English.

7. Signature of Bidder

The bid must contain the name and place of business of the bidder. If the bidder is a partnership firm or a company, an authorized person must sign the bid with seal of the organization. Significant evidence of authority of the person signing on behalf of the bidder shall be furnished with the bid.

8. Local Conditions and Preliminary Costs

(a) Each bidder should fully acquaint himself of all local conditions and factors, which may have any effect on the execution of services covered under these documents and specifications. It must be understood and agreed that all the factors have properly been investigated and considered by the bidders before submitting the proposals. PWD will not entertain any claim or financial adjustment or modifications in time schedule which arise due to inadequate appreciation by the bidder at the time of submission of bid.

(b) All costs of preparing the proposals, presentations (if any) including site visits etc. shall be borne by the bidders.

9. Price Bids

The bidders are required to quote fee for item of schedule H and for the all the works mention in bid document.

10. Duties and Taxes

No claim on any duties, taxes, and other levies payable by the bidders in respect of the transaction between the bidders and sub-Consultant/ other agencies will be entertained by PWD.

11. Validity

The offer shall remain valid for a period of ninety days (90) days from the date of opening of technical bid. The overall offer including personnel proposed for the assignment as well as quoted fees shall remain unchanged during period of validity.

12. Tender Fees

The Consultant should deposit tender fees/RFP document fees of Rs. 500/- in form of DD which in favor of “Executive Engineer PWD Division Simalwara” payable at Simalwara, Dungarpur.

13. Bid Security/Earnest Money

The Consultant shall furnish as part of its Bid, a Bid Security. The amount of Bid Security shall be in Indian Rupees and 2% (Rs.80,000/-) or 0.5% (Rs.20,000/-) as applicable of the estimated value. Only for the firm registered with PWD Rajasthan EMD shall be 0.5%. The bid security shall be submitted in form of DD in favor of “Executive Engineer PWD Division Simalwara” payable at Simalwara, Dungarpur.

14. Tender Processing Fees

The Consultant shall furnish as part of its Bid, a Tender Processing Fees. The amount of Tender Processing Fees shall be 500/- Rs. The tender processing fees shall be submitted in form of DD in favor of “MD RISL Jaipur” payable at Jaipur.

15. Submission of Bid

The DD of Tender Fees/RFP Document Fees, Bid Security/Earnest Money and Tender Processing Fees should be submitted before date of opening of Technical Bid to -

The Executive Engineer,
Public Works Department,
Division Simalwara,
Dungarpur, Rajasthan.
Tel.:- (02964)240502
Email:- pwddnsimalwara@gmail.com

in an envelope clearly super scribed as : Consultancy Services for Detailed Design and Drawing for Construction of High Level Bridge across Mahi River at Sangmeshwar on Chikhli-Anandpuri Road Distt. Dungarpur under CRF (Job No. CRF-885/RJ/2016-17).

Technical Bid and Financial Bid should submit online on www.eproc.rajasthan.gov.in in proper manner separately as directed in bid document.

It shall be the responsibility of the bidder to ensure that the bid is submitted in properly. The technical bids of only those bidders will be opened who’s Tender/RFP Document Fees, Bid Security/Earnest Money and Tender Processing Fees will be found in order.

15.1 Technical Bid

The Technical Bid to be submitted as per formats enclosed in Appendix -I shall comprise of the following:

- i. Letter of Transmittal (Technical Proposal Submission Form){Form T-1}.
- ii. Information regarding firm's members {Form T-2}.
- iii. Consultant Organization and Experience {Form T-3}.
- iv. Comments or Suggestions on the Terms of Reference and on Counterpart Staff and Facilities to be provided by the Client{Form T-4}.
- v. Description of the Approach, Methodology, and Work Plan for Performing the Assignment {Form T-5}.
- vi. Details of Key Personnel (proposed to be deployed on this consultancy service along with the job to be assigned to each of them) {Form T-6}.
- vii. Curriculum Vitae for each staff member (including the team leader) to be deployed on the work {Form T-7}.
- viii. Total manpower deployment schedule {Form T-8}.
- ix. Work Program (in the form of bar-chart) {Form T-8}.

15.2 Financial Bid

Financial bid should include the cost of all the works as detailed in the Terms of reference and other additional activities as felt necessary by the department for completing the job. The price bid shall also include the cost of all visits of the Consultant to site of work for the preparation of the scheme and approval by respective agencies and also during the construction as and when required by the Engineer-in-Charge. The cost of office expenses, stationary, traveling, attending meeting and related expenses shall be deemed to be included in the price bid. The expenses to be incurred by the consultant, if any, for obtaining advice from any other agency for completing the job or for getting the design and soil investigation report vetted by the Proof Consultant and/or PWD shall also deemed to be included in the price bid.

The bidders are required to quote fee for item of schedule of quantity (BOQ) inclusive of all prevailing taxes and levies except the statutory service tax for the consultancy services in the prescribed format given in BOQ. The statutory service tax as applicable shall be reimbursed separately, on actual basis.

The Financial Bid consist of the following as-

- i. Financial Proposal (BOQ).
- ii. Detailed break up (bifurcation) of rate quoted with justification.

The quoted fee of this consultancy agreement will not be increased either due to cost overrun of main project, extension of time or due to any reason what so ever.

16. Bid Evaluation

A two-stage procedure will be adopted in evaluating the proposal. In the first stage, a technical evaluation will be carried out. Only those Technical Proposals which score minimum 65%marks out of 100 marks in aggregate and 50% marks in each individual criterion shall be considered for financial evaluation in the second stage.

16.1 Evaluation of Technical Bid

The evaluation committee will carry out technical bid evaluation applying the evaluation criteria and point system specified in the Data Sheet. Each responsive proposal will be assigned a technical score (ST).

The Technical evaluation Performa is enclosed with the RFP document as Appendix II. To help the client in quicker evaluation, the consultants are required to fill in the reference page numbers on the basis of which the requisite criteria is fulfilled and on the basis of which the consulting firm would wish to be evaluated/scored.

Bids received and found valid will be evaluated to ascertain the adequate bids for the complete works/services under the specifications and documents. The bidder should take enough care to submit all the information sought by Engineer-in-Charge in the desired formats. The bids are liable to be rejected if information is not provided in the desired formats. Engineer-in-Charge has a right to accept or reject any or all bids without assigning any reason.

The evaluation of the technical proposal will be based on the following details:

- (i) Firm's relevant experience and strength
- (ii) Qualification/ related experience of key personnel to be employed on this job
- (iii) Adequacy of the proposed work plan and methodology in responding to the TOR.

The points given to evaluation criteria are:

<i>S.No.</i>	<i>Criteria</i>	<i>Points</i>
1.	<p><i>Specific experience of the consultants related to this assignment</i></p> <p><i>Experience in relevant projects of similar nature (35) The details are:-</i></p> <p>i) Similar work of consultancy of at least one project of worth at least Rs. 75 Crores or two projects each of worth Rs. 50 Crores (20 marks)</p> <p style="text-align: center;">OR</p> <p>Similar work of consultancy of at least one projects of two lane river bridge of length at least 500 metre. (during the last 10 years)</p> <p>ii) For every additional similar work of worth at least Rs.50 Crore during the same period (7.5 marks for one work and maximum 15 for two or more additional work)</p> <p style="text-align: center;">OR</p> <p>For every additional length of two lane river bridge of 100 meter during the same period (7.5 marks for one work and maximum 15 for two or more additional work)</p>	35
2	<p><i>Qualifications and competence of the key personnel for this assignment</i></p> <p>(i) Sr. Structural Engineer cum Team Leader (35)</p> <p>(ii) Highway/Transport Engineer (5)</p> <p>(iii) Geotechnical Engineer (5)</p> <p>(iv) Architect (Infrastructure) (5)</p> <p>(v) Surveyor (4)</p> <p>(vi) Estimator (3)</p> <p>(vii) Contract Specialist (3)</p>	60
3	<p><i>Adequacy of the proposed work plan and methodology in responding to the TOR</i></p> <p>Comments or Suggestions on the Terms of Reference(1)</p> <p>Description of the Approach, Methodology, and Work Plan(2)</p> <p>Work Program(2)</p>	5

Criteria for assessment of Qualification and competence of the key personal for this assignment as referred at (2) above is:

<i>S.No.</i>	<i>Criteria</i>	<i>Points</i>
1	<p>General Qualifications</p> <p>A. Professional educational qualification (25) The details are:</p> <p>(i) Relevant Bachelor's Degree (15)-</p> <p>(ii) Relevant Master's Degree (10)-</p> <p>B. Professional Membership of an Indian / International Professional body (5).</p>	30
2	<p>Adequacy for the project</p> <p>A. Total length of experience (30)</p> <p>(i) Employed with the firm (6) [On Contract with the firm (2)]</p> <p>(ii) Having minimum prescribed experience (18)</p> <p>(iii) Having experience >minimum prescribed period + 5 year (6)</p> <p>B. Professional Experience specific to the assignment (40)</p> <p>(i) Experience in at least one similar project* (20)</p> <p>(ii) For every additional similar work* (10 marks for one work and maximum 20 for two or more additional work)</p>	70

* Similar work means consultancy/proof consultancy service for preparation of GAD (General Arrangement Drawing) Geometric Design and Drawings, Structural Design and Issue of Good for Construction Drawings of project consisting of Elevated Road / Flyovers / Bridges / Metro corridors.

Points scored out of 100 shall be apportioned as per maximum marks mentioned at above. The minimum experience required of proposed key personnel is:-

Sr. No.	Position	Professional Experience	Educational Expression
1	Sr. Structural Engineer cum Team Leader	Minimum 15 years.	Minimum B.Tech / B.E. in relevant field.
2	Highway/Transport Engineer	Minimum 10 years.	Minimum B.Tech / B.E. in relevant field.
3	Geotechnical Engineer	Minimum 10 years.	Minimum B.Tech / B.E. in relevant field.
4	Architect (Infrastructure)	Minimum 7 years.	Minimum B.Arch
5	Surveyor	Minimum 7 years.	Minimum B.Tech / B.E. in relevant field.
6	Estimator	Minimum 5 years.	Minimum B.Tech / B.E. in relevant field.
7	Contract Specialist	Minimum 5 years.	Minimum B.Tech / B.E. in relevant field.

Only those Technical Proposals which score minimum 65% marks out of 100 marks in aggregate and 50% marks in each individual criteria shall be considered for financial evaluation in the second stage.

16.2 Evaluation of Financial Bid

Financial bid should include the cost of all the works as detailed in the Terms of reference and other additional activities as felt necessary by the department for completing the job including office/site visits, office expenses, travelling expenses, cost of all stationary etc.

For financial evaluation, total cost of financial proposal will be considered. This however, does not include service tax, which is reimbursable on production of proof of actual payment of the same.

The evaluation committee will determine whether the financial proposals are complete, unqualified and unconditional. The cost indicated in the financial proposal shall be deemed as

final and reflecting the total cost of services. Out of the entire successful bidder who secure minimum qualification marks in technical evaluation the bidder with lowest financial proposal will be termed as ranked first.

17. Negotiations

The first ranked consultant shall be invited for negotiations. The negotiations may be for reducing the price of the proposal or will be for re-confirming the obligations of the consultant under the terms of reference. Such points as deployment of key personnel, the manner in which the consultant intends proceeding with the work etc. shall be discussed during negotiations. In case the consultant fails to reconfirm his commitment, the next ranking consultant shall be called for negotiation.

Each key personnel of the preferred consultant may be called for interview at the time of negotiation at the cost of consultant before the award of work.

18. Award of Contract

The contract for the consultancy services shall be awarded to the lowest bidder among the agencies which were assessed minimum eligibility criteria and secured minimum marks in technical evaluation who have submitted the bid in conformity with the requirements of these specifications and documents and Engineer-in-Charge shall be the sole judge in this regard.

Upon evaluation of offers, the letter of Intent to the successful Consultant/Bidder shall be issued by the Engineer-in-Charge for depositing the Performance Guarantee.

After the successful bidder deposits the performance Guarantee in prescribed format, letter of commencement of work shall be issued by Engineer-in-Charge.

The selection of agencies will be at the sole discretion of the Engineer-in-Charge who reserves his rights to accept or reject any or all the proposals without assigning any reason. Engineer-in-Charge reserves the right to call for additional information from the bidders as and when required at later stage.

19. Performance Guarantee

The consultant shall submit an irrevocable Performance Guarantee of 5%(Five Percent) of the tendered amount in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (not withstanding and /or without prejudice to any other provisions in the contract) within 15 days from the date of issue of letter of acceptance. This period can be further extended by the Engineer-in-Charge at the written request of the consultant, stating the reason for delays in procuring the Performance Guarantee to the satisfaction of Engineer-in-charge, for a maximum period of 7 days with late fee @ 0.1% per day of performance guarantee amount. This guarantee shall be in the form of Deposit at Call receipt of any scheduled bank/ Banker's cheque of any scheduled bank/Demand Draft of any

scheduled/Pay order of any scheduled bank/ Bank Guarantee issued by any Scheduled Bank or State Bank of India or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India. In case a fixed deposit receipt of any Bank is furnished by the consultant to the Government as part of the performance guarantee and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the consultant and the consultant shall forthwith on demand furnish additional security to the Government to make good the deficit.

The Performance Guarantee shall be initially valid up to stipulated date of completion plus 60 days beyond that. In case the time for completion of work gets extended, the consultant shall get the validity of Performance Guarantee extended to cover such extended time for completion of work. After recording of the completion certificate for the consultancy work by the competent authority, the performance guarantees shall be returned to the consultant, without any interest, after 12 months of completion date as mentioned in the bid document elsewhere.

The Engineer-in-charge shall not make a claim under the performance guarantee except for amounts to which the Government of Rajasthan is entitled under the contract (not withstanding and /or without prejudice to any other provisions in the contractor's agreement) in the event of:

(a) Failure by the consultant to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer-in-charge may claim full amount of the performance Guarantee.

(b) Failure by the consultant to pay Government of Rajasthan any amount due, either as agreed by the consultant or determined under any of the Clauses/conditions of the agreement, within 30 days of the service of notice to this effect by Engineer-in-Charge.

In the event of the contract being determined or rescinded under provision of any of the Clause/Condition of the agreement, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of the Government of Rajasthan.

20. Forfeiture of Earnest Money and performance guarantee

If the consultant withdraws his offer or makes any changes in his offer before award of consultancy work, 100 % of his earnest money will be forfeited by the department. If Consultant does not start the work after award, of work, the performance guarantee submitted by him along with earnest money will be forfeited by the department. In the above eventuality, the consultant will be debarred from participation in retendering process of this work.

21. The time period allowed for executing the work will be up to completion of project and will be reckoned from the 7th day of the issue of letter of acceptance of the offer.

22. The consultant will get all the sub-consultants approved from the Engineer-in-charge before assigning any job to them.

23. During the consultancy period, under exceptional circumstances, change of member of the Consultant firm may be allowed with prior approval of Engineer-in-Charge subject to

replacement of the member by equally competent person to the satisfaction of Engineer-in-Charge.

24. The conditional tenders shall not be accepted for this job.

25. All costs associates with all the works/tasks/activities mention in bid document shall be included in the quoted rates and will be borne by the consultant and nothing extra shall be paid on this account.

26. The Executive Engineer PWD Division-Simalwara is Engineer in charge of this project.

27. The detailed estimate of bridge, all other relevant parts (each and every) of bridge structure with both side approaches and road connecting bridge from both the sides should be as per current PWD BSR and its corrigendum. If any item taken in the estimate is not covered in BSR a detailed rate analysis shall be attached for the proposed rates. Design should be as per IRC/MORTH/PWD/Standard specification and as per latest technology. Design & all detailed drawings with estimate should be submitted in 6 sets with CD's.

28. All design & drawing should be detailed to required degree of accuracy for smooth execution of work as required by engineer in charge of PWD, Division-Simalwara (Dungarpur).

29. Consultant is required to make presentation along with all documents relevant to project as and when demanded by Department.

30. Consultant must provide the all information desired by PWD Jaipur/State Government/Centre Government time to time during process of sanctioning the project including necessary amendments modifications etc.

31. Consultant has to provide proof consultancy/proof checking of bridge and approaches from NIT's/IIT's approve by Engineer-in-charge at own cost.

32. The Consultant will give undertaking that all drawing, design, specifications, plans, estimates and other documents will be prepared and furnished to suit the particular local conditions to the site in the most economical manner and at any stage during the progress of execution of the work, if any defect is noticed in the drawing, design, specifications, plans, estimates or other documents, the Consultant shall provide free of cost to PWD fresh design/ drawing/ specifications/ estimates and other document within a period of seven days from the date of notice issued by PWD in this regard and shall be taken as per decision of Engineer-in-charge.

33. The statutory deduction of income or other taxes/dues shall be made from the payment released to Consultant from time to time.

34. Despite of imposition compensation on the consultant is not able to complete the work then department will get the remaining work done at the risk and cost of the consultant.

35. If any dispute arises, the jurisdiction of court will be Dungarpur only.

36. Any matter related to construct safe and bridge is left in this document, the consultant shall have to incorporate it as per direction of Engineer in charge.

37. (TOR) Terms of Reference is part of Bid document.

38. Soft and hard copies of all the designs and calculations and drawings etc. shall be made available to PWD in 6 sets and shall be property of PWD.

39. Entire stamp duty for preparing the contract document shall be borne by the consultant.

40. Affidavit enclosed with this bid document should be submitted/uploaded on revenue stamp of Rs 50.00 duly notary attested.

41. Retired personnel will not be eligible for these assignments for two years after retirement, except with specific Government sanction.

42. Professional liability Insurance

The Consultant shall protect the department against any damage or loss arising for want of such care and diligence or neglect of professional duty. To this effect, the consultant shall indemnify the department through a professional indemnify insurance policy in which the name of this project shall exist with a nationalized insurance company for total fee payable to him. A copy of the policy shall be deposited with the Engineer-in-Charge.

43. for any query or clarification you may contact to-

Mr. Amit Garg
Assistant Engineer
Contact No.- 9785189843
Email ID- amitgarg.ce@gmail.com

Terms of Reference

1. General

The objective of engaging a consultant for the project is to have aesthetically pleasing, technically sound, durable, and economically viable, sleek, steel/concrete/composite proposals for the bridge and roads.

To obtain firsthand information on the assignment and on the local conditions, the Consultants are encouraged to pay a visit to the client and the project site before submitting the bid. They must fully inform themselves of local and site conditions and take them into account while submitting the bid. Please note that costs of visits to the client, the project site etc., are not reimbursable.

The complete consultancy project envisaged here is time bound and is to be completed in three stages.

Stage I : Pre-tender stage,

Stage II : Tender stage and

Stage III : Post-tender stage as per the time schedule furnished in document.

The important aspects of the work regarding design and specifications are as follows:

2. Background and Scope of Services

Dungarpur District is a district of the state of Rajasthan in western India. The district is roughly triangular in shape. The Mahi river runs along the western edge of the district, forming the boundary with Banswara district. Near junction point of Mahi and Anas river this bridge is proposed to construct which will provide connectivity to this two district Dungarpur and Banswara with nearby town Chikhli and Anandpuri. **The Kadana dam situated in state of Gujrat existing at the downstream side of the proposed bridge so the proposed bridge is to be built in the reservoir area of Kadana dam where approximately water depth is of around 20-25 metre.** A high level bridge is proposed to construct here which suits to all requirements and parameters. The existing road approaches to propose bridge site from town Chikhli and Anandpuri is currently a village road which will be widen and strengthen as per requirement.

The work shall be as per standard codes of practice as applicable.

- a) Preparation of Architectural drawing / General Layout Plan (General Arrangement Drawing) with distinguished Road Infrastructure feature.

- b) Preparation of Structural design and drawing including construction drawing for all the structures fall in the alignment and approach which will include:-
 - i. Structure design of foundations, substructure, superstructure crash barrier, retaining wall, RE wall & footpath for complete corridor, drainage (as per approved plan) and any other structure etc. It shall also include the modification in design/drawings, at no extra cost, required to be done due to any site constraints or otherwise as directed by Engineer-in-Charge.
 - ii. Design of pavement.
- c) All the design shall be based on relevant codes of practice in the respective field.
- d) Consultant has to provide proof consultancy/proof checking of Road Bridge, approaches with retaining wall etc. from NIT's/IIT's approved by Engineer-in-charge at own cost. The consultant shall make necessary changes in the design/ drawings as desired by the proof consultant.
- e) Good for construction drawing for entire work showing all components of bridge / Pavement / Footpath / Road / Drainage / Signage's / Road side Plantation / Road Safety Features, Road Marking etc. as per approved general layout plan.

3. **Stage 1 : Pre-tender stage** : Following works are included in this stage :-

3.1 Engineering Survey and Investigation

3.1.1 Topographical & General Survey:-

- a) To undertake a topographical survey by appropriate instrument at the proposed site covering entire site of about 1 square km area under the project.
- b) Bench mark pillars of size 15cm x 15 cm x 45 cm (above ground level) shall be casted in CC of grade M-15 with a nail fixed in the center of the top surface. These pillars shall be embedded up to depth of 30 cm in ground. The spacing of bench mark pillars shall be 250 meters.
- c) Longitudinal section level shall be taken at every 15 meter intervals in general and closer intervals at curves or at locations of major variations in the level.
- d) Cross section shall be taken at every 30 meter intervals in full width of 50 meter covering sufficient number of spot levels.
- e) Longitudinal and cross section shall also be taken in river portion as per requirement of hydraulic calculation. For survey work in river portion appropriate and reliable method shall be used which gives accurate results.
- f) Preparation of geometric design, profile design, typical cross section and detailed layout plan for the required structure.
- g) Carrying out topographic survey at proposed site. This would mean availing all physical survey parameters and submitting suitable survey drawings in suitable scale to the authority.

The longitudinal levels and cross-sectional levels shall be taken as mentioned above, along the delineated bridge alignment and submitting survey data in the form of base plan.

- h) Making of existing services like overhead electric lines, underground utilities, drainage marking of trees etc.
- i) In carrying out the topographical survey, it is expected that the consultant will use equipment and procedures, which will result in the expeditious development of a computer based terrain model of the accuracy required for the final design of the proposed upgrading and for the calculation of earth works and other quantities required for the preparation of detailed cost estimates. The terrain model will show all features, both natural and man-made, within the surveyed area, the latter to include buildings by type, irrigation and drainage structures and channels, utility installations, etc.
- j) All survey and investigation required for hydraulic calculation (calculation of HFL, design discharge, scour depth, liner water way, afflux etc) as per IRC/MoRTH/Standard specifications.

3.1.2 For approach road on both side of bridge complete survey of approaches required for road work.

3.1.3 Survey for utility shifting and land acquisition if any for approach road.

3.1.4 CBR test/BBD test for pavement design if any. To examine the layers of the existing pavement for the modified profile for approaches and structures, Consultant is also required to improve the junction, intersection and drainage with the existing road map work.

3.1.5 Survey of existing cross drainage structure on approach road and any kind of survey needed for deciding proposed approach road cross drainage structures.

3.1.6 Survey required for road traffic, road users safety consideration.

3.1.7 Survey for junction and rotaries involved with approach road.

3.1.2 Hydraulic and Hydrological Investigations:-

- a) The hydrological and hydraulic studies shall be carried out in accordance with IRC/MoRTH/Standard specifications.
- b) The Consultants should make an in-depth study of the existing bridges and other hydraulic structure in nearby area and to identify all inputs and variable required for this project. The proposed bridge alignment is at a junction of two rivers that is Mahi and Anas, so for studying water variation at proposed bridge location all hydraulic structure associated with this river shall be review and examine preciously.
- c) The Consultants shall make a desk study of available data on topography (topographic maps, stereoscopic aerial photography), storm duration, rainfall statistics, top soil characteristics, vegetation cover etc. so as to assess the catchment areas and hydraulic parameters for all existing and proposed drainage provisions. The findings of the desk study would be further supplemented and augmented by a reconnaissance along the area. All-important hydrological features shall be noted during this field reconnaissance.
- d) The Consultants shall collect information on high flood level (HFL), low water levels (LWL), discharge velocity etc. from available past records, local inquiries and visible signs,

if any, on the structural components and embankments. Local inquiries shall also be made with regard to the road sections getting over topped during heavy rains

3.1.3 Geotechnical Investigation:-

i. Conducting soil investigation at the site: - The location and no. of bore holes will be decided by the consultant in consultation with the department. At least at every pier location geotechnical investigation shall be done. The subsoil investigation will be required to be carried out by consultant own in any case if it is not done by consultant own then it should be carried out by through a firm of repute as approved by the Engineer-in-charge. Consultant will get the report vetted from the Proof Consultant Subsoil investigation will include:

(a) Boring will be done with shell and auger equipment in sand, silt, clay, gravel, soft / hard rock and all kind of soils to a depth of 40 m from the ground level.

(b) Conducting standard penetration tests at 1.5m intervals or at every identifiable change of strata, whichever is met earlier.

(c) Collection of undisturbed soil samples at every identifiable change of strata, or as required using straight edged open end sampling tubes / piston samples.

(d) Conducting laboratory tests on soil samples to decide necessary shear strength parameters of soil as well as compression index and coefficient of consolidation. These tests include natural moisture content, bulk and dry density, liquid and plastic limits, particle size distribution, and specific gravity, unconfined compression tests, tri-axial shear tests and consolidation tests on specimen from collected undisturbed soil samples particle size distribution, liquid limit, plastic limit etc. on specimen from disturbed soil sample.

(e) Conducting chemical analysis of subsoil water samples for evaluation of pH value, sulphate content, calcium content, chloride content and total dissolved solids in water for each borehole.

(f) Preparation and submission of soil investigation Report (6 hard copies in bound form and three soft copies in Compact disc format) giving complete and comprehensive record of field and laboratory investigations and interpretation of test results to determine necessary recommendations for design of foundations for various components of bridge.

ii. Field investigation in rock: -

(a) The field investigation shall include drilling with heavy duty rotary type drilling machine, Nx size casing and double diamond tipped core barrels in bore-holes where rock is encountered including hard rock up to the depth of 15m below rock level including refilling, sealing and re-instating surface and disposing off surplus material.

(b) Laboratory Tests for Rocky Strata: - All tests shall be conducted in an approved, fully equipped laboratory capable of carrying out the various tests contemplated under the contract. The Engineer-in-Charge or his representatives shall have free access to the same for inspection of any test, during the contract period.

(c) Laboratory test on rock samples: - The main tests in the laboratory shall include the determination of Core Recovery, RQD and Unconfined Compression test / point load

strength index tests on rock samples. The item also includes preserving and maintaining rock core samples in approved core boxes for a period of at least 24 months after approval of the soil investigation report for inspection by Engineer-in-Charge or his representative.

(d) The report shall also include recommendation for foundations in rock:

1. Rocky strata RQD and core recovery of rock at various levels.
2. Result of unconfined compression strength tests and/or Point Load Strength Index.
3. Estimation of spacing of joints, condition of joints, and, strike and dip orientation.
4. Rate of penetration for each drill run.
5. Plotting of a compiled subsurface profile in depth, or deciding the type of foundation and to access the excavation difficulties in reaching the required levels.

(e) In addition to the soil investigation done by the agency, the consultant will also analyze the pile test data and recommend safe carrying capacity of the piles for approval by department (if required).

3.1.4 Any other kind of survey as required for this work or directed by Engineer-in-charge. All this work shall be conduct as per latest relevant IS/IRC/Morth/Standard Specifications.

3.2 Preparation of GAD(General Arrangement Drawing)

On the basis of data collected by survey and investigation alignment and design shall be done. To introduce and promote the use of improved standards, as per code required for the project and good engineering practices.

(a) Working out various architectural form of bridge with different suitable arrangements:-

Working out design alternatives for the conceptual design. The design alternative shall give alternative layouts and designs for the foundation system, substructure, superstructure and architecture including sequence of construction activities at the proposed locations. The objective should be to reduce construction cost while arriving at an aesthetically pleasing design without adversely affecting required transit system functions such as capacity, service life, reliability, economy of operation or ease of maintenance and which shall not require any extension of design or construction time. In selecting type of foundation the consultant will also take into account the time required for construction of alternatives, and give preferences to those which minimize construction time / cost

Design consultant has to submit various suitable design alternatives. Each design alternative shall be presented in sufficient detail including cost estimate and the sequence of construction activities to clearly define the proposed design alternative. It also include:-

- (i) A description of the difference between the conceptual design and the proposed design alternative and the comparative advantages and disadvantages of each. Clearly illustrated sketches, drawings, diagrams, calculations, published reports or other means that allow evaluation shall accompany the written description clearly illustrated 3D views of alternative design proposals with simulation will be prepared and pre
- ii.) A detailed estimate of the amount of saving in construction cost and period of construction.

- (b) Finalizing the concept Design Philosophy and to work out the structural system including foundations for various components of the scheme. The system should suitably account for the utilities encountered in the alignment of the structures and their shifting if required.
- (c) Before the general arrangement drawings are finalized, consultant will be required to satisfy himself with the accuracy and adequacy of the topographic survey and layout at the site. It will be responsibility of the consultant to make sure that the layout at site is accurately done as per the approved general arrangement drawings.
- (d) Consultant shall provide all information and facts for finalizing GAD and shall get approved from competent authority of department. All effective and necessary changes/modifications if any required by competent authority shall be incorporated in GAD.
- (e) Preparation of general- arrangement drawings executable at site for bridge and all arrangements etc. and its approval from competent authority.

3.3 Detailed Design and Drawing of Structure and Methodology of Construction

- (a) Subsequent to approval of GAD the consultant shall prepare detailed design and working drawing as per IRC/MORTH/Standard latest guidelines of all the components of the bridge which include foundation, substructure, superstructure, bearing, expansion joints, railing etc. Detailed structural designs, drawings, construction drawings for bridge, Drainage, Earthen Embankment including its components and sub-components such as foundation. system, sub-structures, earth retaining structures and arrangements, super-structures, bearing system, expansion joint etc., pre-stressing and post-tensioning details, surface level roads, footpaths, service roads and other ancillary & related structures including the detailed design and drawings for complete drainage scheme, fixing arrangement for light fittings. All components will be dimensioned on the basis of detailed site investigations and will reflect current international practice.
- (b) Design work will be carried out in accordance with acceptable standards / practices and will make maximum use of computer based techniques. Seismic, other loadings will be taken into account as appropriate. The specifications for the various items of the work and the design criteria should be as per latest MORTH guidelines and IRC's/Standard design specifications for road and bridge works and the design criteria or current prevailing international standard practices. For any item not covered in the aforesaid specifications and guidelines, the consultant shall draft the appropriate specifications and propose to PWD for approval.
- (c) The design consultant will have to coordinate and take the data from different agency / consultants. It is also envisaged that if additional data is required for the design purposes/Good for construction drawings, the consultant has to collect it from the field at his own cost and nothing shall be payable on this account.

- (d) The consultant should have regular interaction with the PWD and other Departments as directed by PWD for formulating the design basis, design philosophy and parameters, preparation of detailed designs/ drawings/ guidelines as stated herein including obtaining approval from the proof consultant. The consultant will submit six bound sets of approved design calculation and drawings for the entire scheme.
- (e) The consultant shall specify, with the approval of the Engineer-in-Charge, the system of pre-stressing as and when necessary. He shall give the details of pre-stressing, procedure, design elongations, perform for recording such post tensioning elongations at site etc. The consultant shall also analyze the elongation data and submit the proposal for stressing the dummy cables as and when necessary at a future date based on actual recorded data of pre-stressing at the construction stage.
- (f) The consultant shall indicate the system and type of bearings and expansion joints along with load data adequate for design of the system by the respective manufacturers. Further the design & drawing of bearings supported by approved manufacturers will be vetted by Consultant. Necessary installation details shall include the corresponding fixing arrangement in the substructure including leaving of sleeves, grouting etc. where required. Provision should also be made in the design for replacement of bearings at a later date whenever required.
- (g) The designs shall be got Proof Checked from NIT's/ IIT's approved by Engineer-in-charge. The consultant shall be required to tie up and incorporate the modifications suggested by proof consultant. After the design and drawings are approved by the Proof Consultant, the corrected design calculations should be submitted in three sets and drawings in 6 sets shall be submitted. The drawings "Good for construction" shall be submitted in additional 6 (Six) sets and their soft copies. The lump sum cost of the consultancy shall be inclusive of all these sets.
- (h) Methodology for construction work with respect to proposed design and as per site conditions. Consultant shall prepare detailed working methodology for construction of all component of the bridge like foundation, substructure, superstructure, protection works, safety arrangements, bearing, railing, and footpath. Necessary sketches, drawings, photograph and videos all other relevant things shall be provided to illustrate the working methodology. The consultant shall also specify the method of construction, sequence of construction activities, method statements for critical activities and salient technological features to be incorporated at the time of construction and to be included in the tender documents. The technology should be available in India and time tested for its efficiency and adequacy. Computation of time required to complete the work with above said methodology.
- (i) Latest pattern on esthetical look of structure.
- (j) Prepare all working drawings of approaches and various other components of bridge & road, and other related miscellaneous Engineering drawings.
- (k) The Consultant shall prepare detailed drawings in digital format for various components and sub-components of the work as per guidelines laid down by the Engineer-in-charge. Consultant shall submit one soft copy in AutoCAD format in CD's of all the final approved drawings.
- (l) The designs and drawings approved by the Proof Consultant shall not be used by consultant for any work other than for which it was approved without the specific approval of Engineer-in-Charge.

- (m) Any kind of model study required for the structure should be carried out from recognized institute by consultant at own cost.
- (n) Construction stage analysis should be performed by consultant.

3.4 Approach road

- (a) On the basis of survey and investigation, alignment of approach road shall be finalized this includes complete geometric design of road, horizontal and vertical curves, design of junction, rotaries, cross drainage structures and all necessary components.
- (b) Using the existing road alignment and profile and the terrain model developed from the topographical survey, prepare a final design for the road to be upgraded, including intersections, approach roads. In doing this, it is expected that the consultant will make use of suitable commercially available design software. Redesigning the alignments to ease sharp curves, to provide adequate sight distance etc. should be done. The cross-sectional elements like camber; super elevation etc. should also be upgraded as per requirements.
- (c) The output of this activity will be plan and profile sheets at 1:1000 horizontal scale and 1:100 vertical scale showing setting out all information on all existing plan features, construction limits, right of way limits, intersection layouts, existing ground line, proposed finished profile, typical cross sections of the main alignment, connecting roads, drainage structure locations and preliminary arrangements, sign posting, cross road locations with clearance to under / overpasses, environmental impact amelioration measures, relationship to encroachments and nearby habitation areas, etc.
- (d) The final designs shall be suitable for construction purposes. Cross sections at intervals as required and at major horizontal control points (tangent points, curve transitions, etc.) will also be prepared. Engineering drawings for intersection layouts, sections in habitant's areas and other major features will be prepared to an appropriate larger scale with necessary setting out and drainage information. For urban areas, details of Utilities, drainage, parking bays, lighting etc., will be given if required. Standard engineering drawings, for signs, cross drainage structures, plantation and other traffic control/safety features, for minor drainage structures, and for other minor elements, will be provided.
- (e) Preparation land acquisition and utility shifting plan for approach road.
- (f) Pavement design as according to survey, investigation traffic load and specification.
- (g) Design of all cross drainage structure, retaining structure and road drainage structure.
- (h) Road marking, signage, safety features plantation layout and design.
- (i) Preparation of traffic diversion plan if required.
- (j) Prepare all working drawings for all above said work.

3.5 Estimate, Contract Documentation and Packaging

- (a) Estimates: - Prepare cost estimate based on relevant prevailing PWD-BSR of the area for the work (Bridge and Approach road). For the items not covered in the BSR and need to use in estimate rate analysis shall prepare by consultant and get approved from department.
- (b) Consultant shall submit estimate based on prevailing market rates and rate analysis of the of individual items included in the estimates.
- (c) On the basis of construction methodology proposed by consultant a cost estimate covering all the cost factors needed for adopting that methodology shall submit. This cost estimate includes the cost of material, machinery, manpower, all temporary work, establishment any other cost factors which can consider by contractor for quoting rate of the work. Listing out the plant and machineries required to execute and complete the work in decided time frame.
- (d) Finalization of the tender drawings, work out the bill of quantities, frame the Detailed Estimate including tender documents. The conditions of contract in the tender document will be on the lines of model document prepared by MoRTH/PWD, applicable to all such works. These should also include selection of equipment, detailed Planning / scheduling of various construction activities and maintenance plan.
- (e) Preparation of documentation for technical sanction and suitable for the invitation of bids this shall be as per latest guidelines and circular.
- (f) Submit bidding and pre-qualification documents to the PWD for review; prepare the final document to be issued to the bidders.
- (g) Inception report and preparation of quality assurance plan.
- (h) Preparation of special conditions/ silent technological features of contract which may require executing contract of particularly this work and adding it into contract document.
- (i) Preparation of traffic diversion for ease construction if required.

4.0 Stage 2: Tendering stage: This stage includes the, following works:

- (a) Making a presentation of the scheme during the pre-bid meeting. The presentation will be showing all the arrangements of the proposed scheme, proposed sequence of construction and any silent features. The presentation will also show the structural arrangement already finalised by the PWD or any other authority, if planned on these stretches as mentioned in Broad Scope of Work for **Construction of High Level Bridge across Mahi River at Sangmeshwar on Chikhli-Anandpuri Road Distt. Dungarpur.**
- (b) During pre-bid meeting, the bidders' views will be sought on various aspects of project implementation. The Consultant will offer advice and assistance to PWD in providing necessary clarifications etc. on the proceedings of pre-bid meeting. Views, comments and suggestions of bidders as recorded in the pre-bid conference shall be evaluated by the Consultant and put up with his recommendations to the PWD with respect to technical and financial requirements.
- (c) Consultant has to assist in evaluation process of bid.
- (d) The consultant shall assist PWD in the negotiation with the preferred bidder and finalization of the same.

- (e) Consultant must provide the all information desired by PWD Jaipur/state govt./central govt. time to time during process of sanctioning the project including necessary amendments modifications etc.

5.0 Stage 3 : Post - Tendering stage : (For Construction work)

While providing the services under this stage, the Consultant shall adhere to international standards and norms pertaining to quality of work, specifications, procedures, project management etc. During this stage, following works are included:

- (a) To review and approve designs and drawings of all kind of temporary works required for the execution of work or any other work as per the requirement submitted by the Contractor wherever required. Review proposals on construction technology of various items of work and suitable modifications shall be suggested keeping, in view the technical requirements, contractual provisions, safety measures, sequential operation of various items, time frame, compatibility of work programme, proposed deployment of personnel and equipment and site conditions.
- (b) To review and recommend any changes in design, if proposed by the Contractor during execution of project.
- (c) To review the designing of structures, if required at any stage due to any reason.
- (d) To review the quality assurance manual, quality assurance plans, method statements, maintenance manual, 'as built drawings' and suggest modifications, if required.
- (e) To assist PWD in periodical meetings to review progress achieved with respect to the approved program.
- (f) The consultant has to undertake site visit during the construction as and when required by department to his own cost. No payment will be given on this account separately.
- (g) Consultant should be present during the inspection of work by higher government officers, no extra payment shall be made for this purpose.

6.1 Time for completion & payment schedule

- i.) Total time of completion of the consultancy is till the completion of the project. However, the time period for the services to be rendered during stage 1 and 2 i.e. excluding the services to be rendered during the construction stage will be limited to three months. The consultant shall continue to assist the department in finding solutions to problems that arises during the construction of the project till successfully completion of the same.
- ii.) Schedule of the work within the period is indicated below which should be adhered to. The Consultants shall be paid his fee as per schedule below. The payments shall be released in stages as indicated below, subject to the achievement of the preceding milestones. D= Date of start of work as mention in work order.
- iii) On submission of various design alternatives with cost, construction period, construction methodology and all necessary technical supporting data and points required for comparison, department will finally select suitable option. The selection of type of bridge is a solely decision of department. Out of various design alternatives provided by consultant the most feasible, economical and viable option should be finalized.

Sr. No.	Activity	Mile Stone	Admissible Payment (% of Total Fees)
1	Submission of Topographic survey	D+10	40%
2	Submission of Geotechnical/ Hydrological Investigation Report	D+25	
3	Submission of the design alternatives for the conceptual design, design philosophy and the structural system for foundation and various components of the scheme with cost, construction period, construction methodology and all necessary points required for comparison and optimum selection of final concept. The most economical, feasible and viable option will be finalized by department.	D+40	
4	Submission of final concept and submission of General Layout Plan/GAD & architectural form for various components of structures covered in the scheme	D+50	
5	Submission of the detailed design/ drawings of foundation and preliminary design of superstructure and tender drawings of all components covered in the scheme. Foundation Substructure including Piers and Bearings Superstructure and expansion joints All remaining drawings. All drawings shall be proof checked from desire institute.	D+80	40%
6	Submission of Bill of Quantities, Specifications, Analysis of Rates and suitable scheme and method of construction, sequence of construction activities, method statements for critical activities and salient technological features, tender document.	D+90	
7	During construction stage and after approval of as built drawings.	Till completion of project	20% (10% amount shall be released after 50% completion of civil work and remaining 10% shall be released after substantial completion of the project i.e. structural work is physically completed)

No detailed time frame has been given for the works covered under the Post tender stage. However, services will be rendered as and when required during the construction period as per actual basis.

Note: The consultant should take not more than 7 days to modified design /drawings required at any stage of work. The revisions shall be proof checked from proof consultant and then submitted to Engineer-in-charge with in the above mention time duration.

Payments to the Consultant will be released as per the above schedule. Decision of Engineer-in-charge will be final and binding in payment regard. The payment to the Consultant during various stages is on account payment and will be adjusted in the final payment.

CONTRACT

The agreement made this day of Two Thousand Seventeen
between the Government of Rajasthan, on the one hand hereinafter known as the Government,
which shall include his duly authorized representatives and officers of the Public Works
Department, Government of Rajasthan and _____
(name-of consultant) on the other hand –here in after known the Design Consultant, which
includes its authorized representatives, and legal heirs, for the work : Consultancy service for
Geometric and Structural Design for the Project titled “**Consultancy Services for Detailed
Design and Drawing for Construction of High Level Bridge across Mahi River at
Sangmeshwar on Chikhli-Anandpuri Road Distt. Dungarpur under CRF (Job No. CRF-
885/RJ/2016-17).**At tendered amount of Rs
(Rupees

And whereas the Government has invited the Bids from eligible Consultants fulfilling the
eligibility criteria for providing designing consultancy services for implementation of the afore
mentioned Project, and whereas the Government has accepted the offer of the consultant, on the
terms and conditions hereafter appearing.

NOW, THEREFORE, THIS AGREEMENT WITNESSES AS FOLLOWS:-

1. In this agreement words and expressions shall have the same meaning as are respectively
assigned to them in the conditions of contract (herein after referred to as the conditions of
contract).
2. The following documents shall be deemed to form and be read and construed as part
of this agreement namely:
 - (a) Press Notice,
 - (b) Instructions to Consultants,
 - (c) Terms of reference,
 - (d) Conditions of Contract,
 - (e) Affidavit
 - (f) Technical and Financial Bid,
 - (g) Finance Rules (RPWA100),

3. In consideration of the fee to be paid by the Govt. to the Consultant as agreed to between the parties, the consultant hereby covenants with the Government to provide the consultancy services in conformity in all respect with the provision of this contract.

4. The Government covenants to pay the consultant in consideration the provision of consultancy services the contract price at times and in the manner prescribed by the contract.

Design Consultant

Executive Engineer
Public Works Department
Division Simalwara
Distt. Dungarpur Rajasthan
Tel.:- (02964)240502
Email:- pwddnsimalwara@gmail.com

WITNESS:

1

2.

CONDITIONS OF CONTRACT

1. General Provisions:

1.1 Definitions

Unless the context otherwise requires the following terms whenever used in this, contract have the following meanings -

- a) **“Act”** means the Rajasthan Transparency in Public Procurement Act, 2012.
- b) **"Applicable law"** means the law and any other instruments having the force of law in India, as they may be issued and in force from time to time.
- c) **“Consultant”** means the Bidder who may be any entity or person including any Sub-Consultant and other personnel who may provide the Services to the Client under the Contract.
- d) **"Contract"** means the contract signed by the parties, to which these General Conditions of contract are attached, together with all the related documents of such signed contract.
- e) **"Effective Date"** means the date on which this contract comes into force and effect.
- f) **"Proof Consultant"** "Proof Consultant" shall mean a person/firm/company approved by Engineer-in-charge for undertaking independent proof checking of designs of this scheme to be prepared by the Consultant.
- g) **"Government"** means the Government of Rajasthan.
- h) **"Personnel"** means persons hired by the Consultant or by any sub Consultant as employee and assigned to the performance the services or any part thereof.
- i) **"Party"** means the client or the Consultant, as the case may be and parties mean both of them.
- j) **“RFP”** means the Request For Proposals prepared by the Client for the selection of Consultants.
- k) **“Rules”** means the Rajasthan Transparency in Public Procurement Rules, 2013.
- l) **"Services"** means the work to be performed by the Consultant pursuant to this contract for the purpose of the project, as described in Terms of reference.
- m) **"Sub Consultant"** means any entity to which the Consultant sub contracts any part of the service in accordance with the provisions of Contract.
- n) **“Terms of Reference” (TOR)** means the document included in the RFP which explains the objectives, scope of work, activities, tasks to be performed, respective responsibilities of the Client and the Consultant, and expected results and deliverables of the assignment.
- o) **"Third Party"** means any person or entity other than the Government, the Client, the Consultant or sub Consultant.
- p) **"Employer/Department” means** -"PUBLIC WORKS DEPARTMENT"; represented by the Executive Engineer, PWD Division Simalwara, Dungarpur, Rajasthan.

q) "**Engineer-In-Charge/Client** - means the Procuring Entity with which the selected Consultant signs the Contract for the Services i.e. Executive Engineer, PWD Division Simalwara, Dungarpur, Rajasthan.

1.2 Relation between the parties

Nothing contained herein shall be construed as establishing a relation of master and servant or of agent and principal as between the PWD and the Consultant. The Consultant, subject to this contract, have complete charge of personnel performing the services and shall be fully responsible for the services performed by them or on his behalf.

1.3 Law Governing Contract

This contract, its meaning, interpretation, and the relation between the Parties shall be governed by the Applicable Laws of India and Rajasthan state.

1.4 Language

This contract shall be executed in English, which shall be binding and controlling language for all matters relating to the interpretation of this contract.

1.5 Headings

The headings shall not limit, alter or affect the meaning of this contract.

1.6 Notices

1.6.1 Any notice, request or consent required or permitted to be given or made pursuant to this contract shall be in writing. Any such notice, request or consent shall be deemed to have been given or made when delivered in person to an authorised representative of the party to whom the communication is addressed, or when sent by registered post or facsimile to such party at the address specified below.

Employer :

Executive Engineer
Public Works Department
Division Simalwara,
Dungarpur, Rajasthan
Tel.:- (02964)240502
Email:- pwddnsimalwara@gmail.com

For the Consultant

Address
Attention
Telephone No.
Mobile Phone No. Facsimile
E-mail
(Note: Fill in the Blanks)

1.6.2 Notice will be deemed to be effective as specified below.

- (a) In the case of personal delivery or registered mail, on delivery;
- (b) In the case of facsimiles, 48-hours following confirmed transmission.

1.6.3 A party may change its address for notice hereunder by giving notice of such change to the other party.

2.1 Code of Integrity

It is required that Consultant observes the highest standards of ethics during the procurement process and performance of the Contract with strict compliance to the provisions of Code of Integrity specified in the Act and the Rules. In particular, the Consultant, Sub-Consultants, or their personnel shall-

- (a) not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or performance of the Contract or to otherwise influence the Client/ Procuring Entity;
- (b) not misrepresent or omit that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation in performance of the Contract;
- (c) not indulge in any collusion, Bid rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process and performance of the Contract;
- (d) not misuse any information shared between the procuring Entity and the Bidders with an intent to gain unfair advantage in the procurement process and performance of the Contract;
- (e) not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process and performance of the Contract;
- (f) not obstruct any investigation or audit of a procurement process and performance of the Contract;
- (g) disclose conflict of interest, if any; and
- (h) Disclose any previous transgressions with any Entity in India or any other country during the last three years or any debarment by any other procuring Entity. Further, none of them shall indulge in corrupt, fraudulent, coercive and collusive practices. For the purpose of this clause

These practices are defined as below:

- i). “corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;

ii). “fraudulent practice” means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;

iii). “coercive practice” means impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;

iv). “collusive practice” means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party.

2.2 Measures to be taken On Breach Of Code of Integrity

Breach of Code of Integrity by the Consultant, Sub-Consultants, or their personnel:- Without prejudice to the provisions of Chapter IV of the Rajasthan Transparency in Public Procurement Act, in case of any breach of the Code of Integrity by the Consultant, Sub-Consultants, or their personnel, the Procuring Entity may take appropriate action in accordance with the provisions of sub-section (3) of section 11 and Chapter IV of the said Act.

3 Forfeiture of Performance Security

Amount of the Performance Security in full or part may be forfeited in the following cases :-

(a) when the Consultant does not execute the agreement in accordance with [Award of Contract] within the specified time; after issue of letter of acceptance of offer; or

(b) when the Consultant fails to commence the Services as per Letter of Award within the time specified; or

(c) when the Consultant fails to complete the Services satisfactorily within the time specified; or

(d) when any terms and conditions of the contract is breached; or

(e) to adjust any accepted dues against the Consultant from any other contract with the Procuring Entity; or

(f) if the Consultant breaches any provision of the Code of Integrity prescribed for Bidders in the Act and Chapter VI of the Rules Notice of reasonable time will be given in case of forfeiture of Performance Security. The decision of the Procuring Entity in this regard shall be final.

4. Obligations of the Consultant

4.1 General

4.1.1 Standard of Performance

The Consultant shall perform the services and carry out their obligations hereunder with all due diligence, efficiency and economy, in accordance with generally accepted professional techniques and practices, and shall observe sound management practices, and consider appropriate advanced technology and safe and effective equipment, machinery, materials and methods. The Consultant shall always act, in respect of any matter relating to this Contract or to the Services, as faithful advisors to the PWD, and shall at all times support and safeguard the PWD legitimate interests in any dealings with sub-Consultant or third parties.

The Consultant shall perform the services in accordance with the Applicable Law and shall take all practicable steps to ensure that any sub-Consultant, as well as the personnel and agents of the Consultant and any sub-Consultant comply with the Applicable Law. If required the Engineer-in-Charge shall advise the Consultant in writing of relevant local customs and the Consultant shall, after such notifications, respect such customs.

4.2 Conflict of Interests

4.2.1 Consultant and Affiliates not to engage in certain Activities

The consultant agree that, during the term of this Contract and after its termination, the consultant and any entity affiliated with the consultant, as well as any other sub-consultant and any entity affiliated with such sub-Consultant, shall be disqualified from providing goods, works or services (other than the services and any continuation thereof) for any project resulting from or closely related to the services.

4.3 Confidentiality

The consultant, their sub-Consultant and the personnel of either of them shall not, either during the term or within two (2) years after the expiration of this contract, disclose any proprietary or confidential information relating to the project, the services, this services, this contract or the PWD business or operations without the prior written consent of the Engineer-in-Charge.

4.4 Liability of the consultant

Subject to additional provisions, the Consultant' liability under this contract shall be as provided by the Applicable Law.

A. Except in case of gross negligence or willful misconduct on the part of the consultant or on the part of any person or firm acting on behalf of the consultant in carrying out the services, the Consultant with respect to damage caused by the consultant to the PWD , shall not be liable to the PWD:

i) For any indirect or consequential loss or damage; and

ii) For any direct loss or damage that exceeds

a) the total payments for professional Fees and Reimbursable Expenditures made or expected to be made to the Consultant hereunder, or

b) the proceeds the Consultant may be entitled to receive from any insurance maintained by the Consultant to cover such a liability, whichever of (A) or (B) is higher.

B. This limitation of liability shall not affect the Consultant' liability, if any, for damage to third parties caused by the Consultant or any person or firm acting on behalf of the Consultant in carrying out the Services.

4.5 Insurance to be taken by the consultant

The consultant-

(i) Shall take out and maintain, and shall cause any sub-Consultant to take out and maintain, at their (or the sub-Consultant', as the case may be) own cost but on terms and conditions approved by the Engineer-in-Charge, insurance against the risks, and for the coverage's, as specified below:-

(a) Professional liability insurance and worker's compensation insurance with a adequate coverage equal to remuneration estimated as required.

(ii) and deposit a copy of the policy with the Engineer-in-Charge and maintain it by paying the regular premiums till the completion of the work. The proof of the payment of the premiums shall be submitted to the department on the request.

4.6 Consultant's Actions requiring PWD's prior Approval

The consultant shall obtain prior approval of the Engineer-in-Charge in writing before entering into a subcontract for the performance of any part of the Services, it being understood

(a) That the selection of the sub-consultant and the terms and conditions of the subcontract shall have been approved in writing by the Engineer-in-Charge prior to the execution of the subcontract.

- (b) That the Consultant shall remain fully liable for the performance of the Services by the sub-Consultant and its Personnel pursuant to this Contract.

4.7 Reporting Obligations

The consultant shall submit to the Engineer-in-Charge the reports and documents specified in Terms of Reference, in the form, in the numbers and within the time periods as specified.

4.8 Documents prepared by the Consultant to be the property of the PWD

All plans, drawings, specifications, designs, reports and other documents prepared by the Consultant in performing the services shall become and remain the property of the PWD , and the Consultant shall, not later than upon termination or expiration of this contract, deliver all such documents to the Engineer-in-Charge, together with a detailed inventory thereof. The consultant may retain a copy of such documents. The Consultant shall not use these documents for purposes unrelated to this contract without the prior written approval of the Engineer-in-Charge.

5. Consultant's Personnel

5.1 General

The Consultant shall employ and provide such qualified and experienced personnel as are required to carry out the services.

5.2 Description of Personnel

The titles, job descriptions, minimum qualification and estimated periods of engagement in carrying out of the services of each of the consultant's Key personnel as required.

5.3 Approval of personnel.

The key personnel and sub Consultant deployed deem to be approved by the Engineer-in-Charge. In respect of other Key Personnel that the Consultant propose to use in carrying out of the service, the Consultant shall submit to the Engineer-in-Charge for review and approval a copy of their biographical data. If the Engineer-in-Charge does not object in writing (stating the reasons for the objection) within twenty one (21) calendar days from the date of receipt of such biographical data and (if applicable) such certificate, such key personnel shall be deemed to have been approved by the Engineer-in-Charge.

5.4 Removal and/or Replacement of Personnel

- (a) Except as the Engineer-in-Charge may otherwise agree, no changes shall be made in the Key Personnel. If, for any reasons beyond the reasonable control of the

consultant, it becomes necessary to replace any of the personnel, the consultant shall forthwith provide as a replacement another person of equivalent or better qualifications & experience.

(b) If the Engineer-in-Charge (i) finds that any of the personnel has committed serious misconduct or has been charged with having committed a criminal action or (ii) has reasonable cause to be dissatisfied with the performance of any of the personnel, then the Consultant shall at the written request of the Engineer-in-Charge specifying the grounds therefore, forthwith provide as a replacement a person with qualification and experience acceptable to the Engineer-in-Charge.

6. Obligations Of-the -Engineer-in-charge

6.1 Payment

In consideration of the services performed by the Consultant under this Contract, the PWD shall make to the Consultant such payments and in such manner as is provided by the Contract Condition.

7. Payments to the consultant

7.1 Currency of Payment

All payments shall be made in Indian Rupees.

7.2 Mode of Billing and Payment

Billing and payment in respect of the Services shall be made as follows:

(a) As soon as practicable and not later than fifteen (15) days after the end of each calendar month during the period of Services, the Consultant shall submit to the Engineer-in-Charge, in duplicate, of the amounts payable pursuant to Contract Conditions.

(b) The Engineer-in-Charge shall cause the payment of the consultant periodically as given in schedule of payment above within thirty (30) days after the receipt of bills with supporting documents. Only such portion of a monthly statement that is not satisfactory supported may be withheld from payment. Should any discrepancy be found to exist between actual payment and costs authorized to be incurred by the consultant, the Engineer-in-Charge may add or subtract the difference from any subsequent payments.

(c) The final payment under this condition shall be only after the final report and a final statement, identified as such, shall have been submitted by the Consultant and approved as satisfactory by the Engineer-in-Charge. The Services shall be deemed completed and finally accepted by him and the final report and the final statement shall be deemed approved by him as satisfactory within ninety (90) calendar days after receipt of the final report and final statement

by the Engineer- in-Charge unless he within such ninety (90) days period, gives written notice to the Consultant specifying in detail the deficiencies in the services, the final report or final statement. The Consultant shall thereupon promptly make any necessary corrections, and upon completion of such corrections, the foregoing process shall be repeated. Any amount which the Engineer-in-Charge. has paid or caused to be paid in accordance with this condition in excess of the amount actually payable in accordance with the provisions of this Contract shall be reimbursed by the Consultant to the Engineer-in-Charge within thirty (30) days after receipt by the Consultant of notice thereof. Any such claim by the Engineer-in-Charge for reimbursement must be made within twelve (12) calendar months after receipt by the Engineer-in-Charge of a final report and a final statement approved by him in accordance with the above.

8. Fairness and Good Faith

8.1 Good Faith

The parties undertake to act in good faith with respect to each other's rights under this contract and to adopt all reasonable measures to ensure the realization of the objectives of this Contract.

8.2. Security Deposit

An amount equivalent to 5.0% of the gross amount of each running bill of the consultant till the sum will amount to security deposit of 5.0% of total tendered amount (agreed fee) will be deducted and held by Government by way of Security Deposit, unless he/they has/have deposited the amount of security at the rate mentioned above in cash or in the form of Government securities or fixed deposit receipts. In case a fixed deposit receipt of any bank is furnished by the consultant to the Government as part of the security deposit and the bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the consultant and the consultant shall forth with on demand furnish additional security to the government to make good the deficit.

Security deposit shall be retained for accuracy of design and quantities submitted and the same will be released after completion of Civil Construction works. However before refund of security deposit, it will be ensured that extension of time, if any, for agreement of consultant is decided by the competent authority.

8.3 Responsibility for accuracy of project proposal

The consultant shall be responsible for accuracy of the data collected and the designs, drawings and construction drawings prepared by him as a part of the project. He shall indemnify the department through the performance guarantee, already submitted by him before award of work, and through Security Deposit to be deducted as per this agreement against any action arising out of such inaccuracies in the work which might surface at any time at a later date of implementation of the project.

9. Compensation

9.1 Compensation for Error/Variation

(a) The Bill of Quantity (BOQ) for the work prepared by the consultant should be accurate. It is a term of the agreement that on completion of work, the final Estimated cost of work (derived based on final quantities on completion of work and rates adopted in estimated cost put to tender) should not deviate by more than +/-10% of the estimated cost put to tender. If the overall deviation due to default / wrong estimate of the consultant is more than +/- 10% or deviation of any individual item is more than +/- 15% (+/- 30% for foundation item), . then the consultant' is liable to pay a compensation @ 0.10% of amount of such deviation (beyond permissible deviation). The maximum compensation payable on this account will be 5% of the total fee payable to the consultant. However the deviations which have been authorized by Engineer-in-charge due to genuine reasons shall not be considered as deviation for above purpose of levy of compensation. The decision of Chief Engineer / Superintending Engineer whether the deviation are due to default of the consultant or due-to genuine reason on account of authorized deviation by Engineer-in-charge shall be final and binding on the consultant.

Note: - Foundation mean items up to top of sub base (up to top level of GSB in case of road work), as defined in IRC Guidelines for structural components. PCC (lean concrete) below road work / cycle track concrete will be termed as foundation. All items of footpath and drainage will be covered in super structure items.

(b) The Bill of Quantity (BOQ) prepared by the consultant for call of tender should be complete in all respect to achieve the completion of project as conceptualized. However, in case during execution of works it is observed that certain essential items which are required to complete the work are missing which force Engineer-in-charge to get them executed through extra item to executing agency or through separate work order / agreement, then the compensation @ 0.10% of cost of such missing items shall be levied on the consultant. The maximum compensation payable on this account will be 1 % of the total fee payable to the consultant. The decision of Chief Project Manager / Superintending Engineer whether the missing items are due to default of the consultant or due to genuine reason on account of authorized extra work by Engineer-in-charge shall be final and binding on the consultant.

9.2 Compensation for delay

(a) If the work remains un-commenced /or incomplete at any stage with reference to time schedule, a compensation at the rate of 1.00% (one decimal percent) of the agreed fee for every week of delay to be computed on per day basis subject to maximum of ten percent of agreed fee shall be levied on the consultant. This will be applicable for stage I and stage II of the agreement. The decision of Engineer-in-Charge / Superintending Engineer of the project as to the period of delay on the part of the consultant and the quantum of compensation for such delay shall be final and binding on the consultant.

(b) There shall be provision for token penalty of Rs. 10000/- per day for the period the construction work actually held up for the want of drawings/details/any problem solution from the consultant.

(c) The consultant should take not more than 10 days to modified design /drawings required at any stage of work. The revisions shall be proof checked from proof consultant and then submitted to Engineer-in-charge with in the above mention time duration. If any delay causes in this there shall be provision for token penalty of Rs. 5000/- per day.

(d) If the consultant is unavoidably hindered in carrying out the designs/drawings on account of delayed decision or the approval by the department which is necessary to carry out further work, he shall be allowed suitable extension of time by the Engineer-in-Charge of the project, whose decision shall be final and binding on the consultant. Consultant shall not have any claim against the department for such delayed approvals/decisions, except suitable extension of time.

9.3 The compensation leviabale on consultant in different clauses mentioned herein above/below are leviabale independently.

10 ACTION FOR DEFICIENCY IN SERVICES

10.1 Consultant liability towards the Client

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

10.2 Warning / Debarring

In addition to the Compensation as mentioned in para 7.4, warning may be issued to the erring Consultant for minor deficiencies. In the case of major deficiencies in the Feasibility- cum- Preliminary Design Report causing adverse effect on reputation of the Client, other penal action including debarring the Consultant for certain period may also be initiated as per policy of PWD.

11 Force Majeure

11.1 Definition

a) For the purposes of this contract, "Force Majeure" means an event which is beyond the reasonable control of a party and which makes parties performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible, in the circumstances, and includes, but is not limited to, war, riots, civil disorder, earthquake, fire explosion, storm, flood or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the party

invoking Force Majeure to prevent), confiscation or any other action by government agencies.

b) Force Majeure shall not include (i) any event which is caused by the negligence or intentional action of a party or such party's sub Consultant or agents or employees, nor (ii) any event which a diligent party could reasonably have been expected to both [A] take into account at the time of the conclusion of this contract and [B] avoid or overcome in the carrying out its obligations hereunder.

c) Force Majeure shall not include insufficiency of funds or failure to make any payment required hereunder.

11.2 No Breach of Contract

The failure of a party to fulfill any of its obligations hereunder shall not be considered to be a breach of, or default under, this contract in so far as such inability arises from an event of Force Majeure, provided that the party affected by such an event has taken all reasonable precautions, due care and reasonable alternative measures, all with the objective of carrying out the terms and conditions of this contract.

11.3 Measures to be taken

a) A party affected by an event of Force Majeure shall take all reasonable measures to remove such party's inability to fulfill its obligations hereunder with minimum of delay.

b) A party affected by an event of Force Majeure shall notify the other party of such event as soon as possible and in any event not later than fourteen (14) days following the occurrence of such event providing evidence of the nature and cause of such event and shall similarly give notice of the restoration of normal conditions as soon possible.

c) Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

c) The parties shall take all reasonable measures to minimize the consequences of any event of Force Majeure.

11.4 Extension of Time

Any period which a party shall pursuant to this contract complete any action or task shall be extended for a period equal to the time during which such party was unable to perform such action as a result of Force Majeure.

11.5 Consultation

Not later than thirty (30) days after the award of work, as the result of an event of Force Majeure, have become unable to perform a material portion of the services, the parties shall consult with each other with a view to agreeing on appropriate measures to be taken in the circumstances.

12. Suspension

The Engineer-in-Charge may, by written notice of suspension to the Consultant, suspend all payments to the Consultant hereunder if the Consultant fail to perform any of their obligations under this contract, including the carrying out of the services provided that such notice of suspension (i) shall specify the nature of the failure and (ii) request the Consultant to remedy such failure within the period not exceeding thirty (30) days after the issue of such notice of suspension.

12.1 Termination of contract

The client may, by not less than 15 days written notice to the consultant terminate the contract if in his opinion,

- a) Consultant is not carrying out the assignment as per terms and conditions of the agreement.
- b) If the progress of the work is not as per given time schedule.
- c) If the consultant fails to remedy a failure in the performance of his obligations within the period given in the notice.
- d) If the consultant, in the judgment of the client, has engaged in corrupt or fraudulent practices in competing for or in executing the agreement.

12.2 On termination of contract,

- a) Security deposit of the consultant shall stand forfeited,
- b) Fee, if any, paid for the assignment which has not been fully completed will be recovered.
- c) Despite of imposition of penalty as per contract, department will get the remaining work done at the risk and cost of the consultant

13. Dispute Settlement

Any dispute between the parties as to matters arising pursuant to this agreement shall be referred to Chief Engineer PWD Rajasthan who shall give his decision within 30 days.

14.1 Compliance of Various Acts

The contractor shall ensure strict compliance of Payment of Wages Act 1936, Employment of Children Act 1938, Untouchability (Offences) Act 1955, Workmen's Compensation Act 1923, Relevant Central / State Labour Laws, Employees State Insurance Act 1948, Labour acts and Employees Provident Fund Act 1952 along with any Statutory Modifications there of or rules clarifications or otherwise and all the provisions as amended from time to time and PWD shall stand indemnified from and against any claims/penalty under the afore said act.

14.2 Child Labour (Prohibition and Regulation) Act- 1986.

The employment of any person less than fourteen years (14 years) of age shall be prohibited from PWD works. The contractor shall be responsible for confirming to the provisions of the act and PWD shall stand indemnified from and against any claims/penalty under the afore said act.

- 15 If any condition mentioned in bid document and RPWA-100 overlaps then the condition mention in bid document shall prevails.

(This Affidavit should be submitted on revenue stamp of Rs 50.00 duly notary attested)

AFFIDAVIT

I/ WeProprietor/ Partner/ Authorized signatory of M/s under take that oath that the information furnished by me/us in bid for **Consultancy Services for Detailed Design and Drawing for Construction of High Level Bridge across Mahi River at Sangmeshwar on Chikhli-Anandpuri Road Distt. Dungarpur under CRF (Job No. CRF-885/RJ/2016-17)**” is correct to the best of my/our knowledge. I/we will deploy all the key personnel with desired qualification and experience as mention in bid document for the above said work. If any information is found to be incorrect, the department has right to reject the Bid and take action against me/ us as per rules.

.....

Proprietor/ Partner/ Authorized Signatory
M/s

APPENDIX – I
TECHNICAL BID

Letter of Transmittal

To

Executive Engineer

Public Works Department

Division Simalwara

Dungarpur, Rajasthan

Name of work : “Consultancy Services for Detailed Design and Drawing for Construction of High Level Bridge across Mahi River at Sangmeshwar on Chikhli-Anandpuri Road Distt. Dungarpur under CRF (Job No. CRF-885/RJ/2016-17)”.

Sir,

I/We have read and examined the complete document including the instructions, to bidders, terms of reference and contract conditions of the contract for preparation of, detailed structural design and drawings including constructional drawings, proof checking of structural design & drawings and Detailed Estimate/Tender document etc. other services to be provided during pretender stage, tendering stage and post tendering stages for above mentioned work.

I/We hereby submit our application on prescribed formats for undertaking the work referred to in the aforesaid documents upon the terms and conditions contained or referred to therein. I/We agree to abide by and fulfill all the terms, conditions and provisions of the aforesaid documents.

I/We undertake to commence the work immediately on receipt of the letter of acceptance and to complete the work within the stipulated period. However, as stated in terms of reference, I/We undertake to complete the works in Pre-tendering and tendering stage in 3 months.

Signature

(Authorised Signatory of Consultant)

Witness:

Signature :

Name : ` (Name & Address of Consultant)

Address:

INFORMATION REGARDING FIRM's MEMBERS

<p>1. Name of the main consultant (In case of partnership name of authorized partner to deal with the PWD for the project)</p> <p>Name of contact person Address</p> <p>Telephone Mobile Email Fax</p>	
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CONSULTANT'S ORGANIZATION AND EXPERIENCE

A - Consultant's Organization

A brief description of the Consultant's organization and an outline of the recent experience of the Consultant that is most relevant to the assignment. For each assignment, the outline should indicate the names of the Consultant's Key Experts and Sub-consultants who participated, the duration of the assignment, the contract amount (total and, if it was done in a form of a joint venture or a sub-consultancy, the amount paid to the Consultant), and the Consultant's role/involvement.

(With an outline of the experience of the firm on similar projects during last five years)

(a) Name of Firm:-

(b) Year of Registration:-

(c) Type of firm (Individual/Proprietary/Partnership/Limited Company or any other)

(d) Annual Turnover (for the last 5 years preceding 31.03.2016) along with annual report and duly certified by the Chartered Accountant

(e) Total Number of Employees (for the last 5 years)

- Technical

- Others

(f) In house facilities available in following fields

(g) Include organizational chart, a list of Board of Directors, and beneficial ownership

B - Consultant's Experience

1. List only previous similar assignments successfully completed in the last 10 years.

2. List only those assignments for which the Consultant was legally contracted by the Client as a company. Assignments completed by the Consultant's individual experts working privately or through other consulting firms cannot be claimed as the relevant experience of the Consultant, or that of the Consultant's partners or sub-consultants, but can be claimed by the Experts themselves in their CVs. The Consultant should be prepared to substantiate the claimed experience by presenting copies of relevant documents and references if so requested by the Client.

Duration	Assignment name/& brief description of main deliverables/ outputs	Name of Client & Country of Assignment	Approx. Contract value (in Indian Rupees equivalent)/ Amount paid to your firm	Role on the Assignment

**COMMENTS AND SUGGESTIONS ON THE TERMS OF REFERENCE,
COUNTERPART STAFF, AND FACILITIES TO BE PROVIDED BY THE CLIENT**

Comments and suggestions on the Terms of Reference that could improve the quality/effectiveness of the assignment; and on requirements for counterpart staff and facilities, which are provided by the Client, including: administrative support, office space, local transportation, equipment, data, etc.

A - On the Terms of Reference

{Improvements to the Terms of Reference, if any}

B - On Counterpart Staff and Facilities

{Comments on counterpart staff and facilities to be provided by the Client. For example, administrative support, office space, local transportation, equipment, data, background reports, etc., if any}

**DESCRIPTION OF APPROACH, METHODOLOGY, AND WORK PLAN IN
RESPONDING TO THE TERMS OF REFERENCE**

A description of the approach, methodology and work plan for performing the assignment, including a detailed description of the proposed methodology and staffing for training, if the Terms of Reference specify training as a specific component of the assignment.

{Suggested structure of your Technical Proposal:

- a) Technical Approach and Methodology
- b) Work Plan
- c) Organization and Staffing }

a) Technical Approach and Methodology

{Please explain your understanding of the objectives of the assignment as outlined in the Terms of Reference (TORs), the technical approach, and the methodology you would adopt for implementing the tasks to deliver the expected output(s), and the degree of detail of such output. Please do not repeat/ copy the TOR here. }

b) Work Plan

{Please outline the plan for the implementation of the main activities/ tasks of the assignment, their content and duration, phasing and interrelations, milestones (including interim approvals by the Client), and tentative delivery dates of the reports. The proposed work plan should be consistent with the technical approach and methodology, showing your understanding of the TOR and ability to translate them into a feasible working plan. A list of the final documents (including reports) to be delivered as final output(s) should be included here. The work plan should be consistent with the Work Schedule Form. }

c) Organization and Staffing

{Please describe the structure and composition of your team, including the list of the Key Experts, Non-Key Experts and relevant technical and administrative support staff. }

DETAILS OF KEY PERSONNEL

(proposed to be deployed on this consultancy service along with the job to be assigned to each of them).

A. Personnel' from Consultant's Organisation

S. No.	Key Position	Name of Staff	Qualification	Years of Experience	Field of specialization	Man-Months Proposed	Remarks
1							
2							
3							
4							

CURRICULAM VITAE OF EACH STAFF MEMBER

Curriculum vitae of each staff member (including the team leader) to be deployed on the work

Proposed Position on this work:

Name of Firm:

Name of Staff:

Nationality:

Profession:

Year with the Firm:

Details of tasks Assigned:

Qualification :

(Summaries College/ University and other specialized education of staff member giving names of college/institution, year of passing and degree obtained in about Quarter of a page)

Language :

(Include proficiency in speaking, reading and writing each language by a degree of ("Excellent", "Good", "Fair" or "Poor"))

Employment Record & Present commitments :

(Starting with present position, list in reversed order, and every employment held since graduation, giving dates, names of employing organization, title of positions held and location of assignments. For experience in last ten years, also give types of activities performed and client references, where appropriate. The information to be provided will include the position, commitment in man-days for this project along with all other ongoing projects, project brief including location, cost, duration of assignment & current status etc.)

Particular Experience

under this heading: give outline of staff member's experience and training pertinent to this work. Describe degree of responsibility held by staff member on relevant previous assignment and give dates and locations in addition academic qualifications (in about half a page)

Certification

I, the undersigned, certify that to the best of my knowledge and belief, this biodata correctly describe my qualification, experience and me.

Date: Day/Month/Year

Signature of staff member

Authorized official from the firm.....

Note: 1. Please attach proposed "work Programme" and time schedule for technical personal for all ongoing projects including this project in man-days.

2. The above information should be factually correct, providing false or incorrect information will be considered very seriously and bidder providing false information may be disqualified.

TOTAL MANPOWER DEPLOYMENT SCHEDULE

Sl. No.	Name	Position	Months (in the form of bar chart)						
			1	2	3	4	5	6	No. of months
1									
2									
3									

- NOTES:**
1. Show personnel (for all areas as mentioned in TOR)
 2. Show duration by solid line for continuous inputs and broken line for staggered inputs considering the present commitments.

WORK PROGRAMME

(Work Program of the project in the form of Bar Chart)

APPENDIX – II
TECHNICAL EVALUATION
PERFORMA

EVALUTION OF TECHNICAL PROPOSAL OF CONSULTANT

Name of Firm:-

Address:-

S.No.	Criteria	Points Obtained	Maximum Points	Page No.
1.	<i>Specific experience of the consultants related to this assignment</i> <i>Experience in relevant projects of similar nature (35)</i> <i>The details are:-</i>			
i.	Similar work of consultancy of at least one project of worth at least Rs. 75 Crores or two projects each of worth Rs. 50 Crores OR Similar work of consultancy of at least one projects of two lane river bridge of length at least 500 metre. (during the last 10 years)		20	
ii.	(ii) For every additional similar work of worth at least Rs.50 Crore during the same period (7.5 marks for one work and maximum 15 for two or more additional work) OR For every additional length of river bridge of 100 meter during the same period (7.5 marks for one work and maximum 15 for two or more additional work)		15	
2	<i>Qualifications and competence of the key personnel for this assignment(60)</i>			
i.	Sr. Structural Engineer cum Team Leader (35) (A/100X35)		35	
ii.	Highway/Transport Engineer (5) (A/100X5)		5	
iii.	Geotechnical Engineer (5) (A/100X5)		5	
iv.	Architect (Infrastructure) (5) (A/100X5)		5	
v.	Surveyor (4) (A/100X4)		4	
vi.	Estimator (4) (A/100X4)		4	
vii.	Contract Specialist (3) (A/100X3)		3	
	“A”= Total marks obtained by each Key staff out of 100 as per prescribed criteria.			

3	<i>Adequacy of the proposed work plan and methodology in responding to the TOR(5)</i>			
i.	Comments or Suggestions on the Terms of Reference(1)		1	
ii.	Description of the Approach, Methodology, and Work Plan(2)		2	
iii.	Work Program(2)		2	

Assessment of Qualifications and competence of the key personnel for this assignment:
Designation:

Sr. Structural Engineer cum Team Leader

Name:.....

<i>S.No.</i>	<i>Criteria</i>	<i>Points Obtained</i>	<i>Maximum Points</i>	<i>Page No.</i>
1	General Qualifications (30)			
A	Professional educational qualification (25) The details are:			
i.	Relevant Bachelor's Degree (15)-		15	
ii.	Relevant Master's Degree (10)-		10	
B	Professional Membership of an Indian / International Professional body (5).		5	
2	Adequacy for the project (70)			
A	Total length of experience (30)			
i.	Employed with the firm (6) [On Contract with the firm (2)]		6	
ii.	Having minimum prescribed experience (18)		18	
iii.	Having experience >minimum prescribed period + 5 year (6)		6	
B	Professional Experience specific to the assignment (40)			
i.	Experience in at least one similar project* (20)		20	
ii.	For every additional similar work* (10 marks for one work and maximum 20 for two or more additional work)		20	
	Total Points (1+2)		100	

Highway/Transport Engineer

Name:

<i>S.No.</i>	<i>Criteria</i>	<i>Points Obtained</i>	<i>Maximum Points</i>	<i>Page No.</i>
1	General Qualifications (30)			
A	Professional educational qualification (25) The details are:			
i.	Relevant Bachelor's Degree (15)-		15	
ii.	Relevant Master's Degree (10)-		10	
B	Professional Membership of an Indian / International Professional body (5).		5	
2	Adequacy for the project (70)			
A	Total length of experience (30)			
i.	Employed with the firm (6) [On Contract with the firm (2)]		6	
ii.	Having minimum prescribed experience (18)		18	
iii.	Having experience >minimum prescribed period + 5 year (6)		6	
B	Professional Experience specific to the assignment (40)			
i.	Experience in at least one similar project* (20)		20	
ii.	For every additional similar work* (10 marks for one work and maximum 20 for two or more additional work)		20	
	Total Points (1+2)		100	

Geotechnical Engineer

Name:

<i>S.No.</i>	<i>Criteria</i>	<i>Points Obtained</i>	<i>Maximum Points</i>	<i>Page No.</i>
1	General Qualifications (30)			
A	Professional educational qualification (25) The details are:			
i.	Relevant Bachelor's Degree (15)-		15	
ii.	Relevant Master's Degree (10)-		10	
B	Professional Membership of an Indian / International Professional body (5).		5	
2	Adequacy for the project (70)			
A	Total length of experience (30)			
i.	Employed with the firm (6) [On Contract with the firm (2)]		6	
ii.	Having minimum prescribed experience (18)		18	
iii.	Having experience >minimum prescribed period + 5 year (6)		6	
B	Professional Experience specific to the assignment (40)			
i.	Experience in at least one similar project* (20)		20	
ii.	For every additional similar work* (10 marks for one work and maximum 20 for two or more additional work)		20	
	Total Points (1+2)		100	

Architect (Infrastructure)

Name:

<i>S.No.</i>	<i>Criteria</i>	<i>Points Obtained</i>	<i>Maximum Points</i>	<i>Page No.</i>
1	General Qualifications (30)			
A	Professional educational qualification (25) The details are:			
i.	Relevant Bachelor's Degree (15)-		15	
ii.	Relevant Master's Degree (10)-		10	
B	Professional Membership of an Indian / International Professional body (5).		5	
2	Adequacy for the project (70)			
A	Total length of experience (30)			
i.	Employed with the firm (6) [On Contract with the firm (2)]		6	
ii.	Having minimum prescribed experience (18)		18	
iii.	Having experience >minimum prescribed period + 5 year (6)		6	
B	Professional Experience specific to the assignment (40)			
i.	Experience in at least one similar project* (20)		20	
ii.	For every additional similar work* (10 marks for one work and maximum 20 for two or more additional work)		20	
	Total Points (1+2)		100	

Surveyor

Name:.....

<i>S.No.</i>	<i>Criteria</i>	<i>Points Obtained</i>	<i>Maximum Points</i>	<i>Page No.</i>
1	General Qualifications (30)			
A	Professional educational qualification (25) The details are:			
i.	Relevant Bachelor's Degree (15)-		15	
ii.	Relevant Master's Degree (10)-		10	
B	Professional Membership of an Indian / International Professional body (5).		5	
2	Adequacy for the project (70)			
A	Total length of experience (30)			
i.	Employed with the firm (6) [On Contract with the firm (2)]		6	
ii.	Having minimum prescribed experience (18)		18	
iii.	Having experience >minimum prescribed period + 5 year (6)		6	
B	Professional Experience specific to the assignment (40)			
i.	Experience in at least one similar project* (20)		20	
ii.	For every additional similar work* (10 marks for one work and maximum 20 for two or more additional work)		20	
	Total Points (1+2)		100	

Estimator

Name:.....

<i>S.No.</i>	<i>Criteria</i>	<i>Points Obtained</i>	<i>Maximum Points</i>	<i>Page No.</i>
1	General Qualifications (30)			
A	Professional educational qualification (25) The details are:			
i.	Relevant Bachelor's Degree (15)-		15	
ii.	Relevant Master's Degree (10)-		10	
B	Professional Membership of an Indian / International Professional body (5).		5	
2	Adequacy for the project (70)			
A	Total length of experience (30)			
i.	Employed with the firm (6) [On Contract with the firm (2)]		6	
ii.	Having minimum prescribed experience (18)		18	
iii.	Having experience >minimum prescribed period + 5 year (6)		6	
B	Professional Experience specific to the assignment (40)			
i.	Experience in at least one similar project* (20)		20	
ii.	For every additional similar work* (10 marks for one work and maximum 20 for two or more additional work)		20	
	Total Points (1+2)		100	

Contract Specialist

Name:.....

<i>S.No.</i>	<i>Criteria</i>	<i>Points Obtained</i>	<i>Maximum Points</i>	<i>Page No.</i>
1	General Qualifications (30)			
A	Professional educational qualification (25) The details are:			
i.	Relevant Bachelor's Degree (15)-		15	
ii.	Relevant Master's Degree (10)-		10	
B	Professional Membership of an Indian / International Professional body (5).		5	
2	Adequacy for the project (70)			
A	Total length of experience (30)			
i.	Employed with the firm (6) [On Contract with the firm (2)]		6	
ii.	Having minimum prescribed experience (18)		18	
iii.	Having experience >minimum prescribed period + 5 year (6)		6	
B	Professional Experience specific to the assignment (40)			
i.	Experience in at least one similar project* (20)		20	
ii.	For every additional similar work* (10 marks for one work and maximum 20 for two or more additional work)		20	
	Total Points (1+2)		100	

SUBMISSION CHECKLIST

Kindly write down submission check list serial number on every page to be submitted for that particular fulfillment before uploading.

1. Demand draft of tender fees, tender processing fees and bid security/earnest money as mention.
2. Company profile with list of Key Personnel their qualification and relevant experience.
3. Certificate of registration for Sales Tax/ VAT if applicable.
4. Certificate of registration for Service Tax. Suitable affidavit for it, if not registered under service tax as mention in document.
5. Details of Financial turnover for last five financial years.
6. For Eligibility/Qualification criteria: - Supporting documents in evidence of fulfilling criteria (a),(b),(c),(d),(e) and (f) as mention in document (at page no. 8 and 9 in RFP document).
7. Affidavit on revenue stamp.
8. Appendix – I – Technical Bid
 - i. Letter of Transmittal (Technical Proposal Submission Form){Form T-1}.
 - ii. Information regarding firm's members {Form T-2}.
 - iii. Consultant Organization and Experience {Form T-3}.
 - iv. Comments or Suggestions on the Terms of Reference and on Counterpart Staff and Facilities to be provided by the Client{Form T-4}.
 - v. Description of the Approach, Methodology, and Work Plan for Performing the Assignment {Form T-5}.
 - vi. Details of Key Personnel (proposed to be deployed on this consultancy service along with the job to be assigned to each of them) {Form T-6}.
 - vii. Curriculum Vitae for each staff member (including the team leader) to be deployed on the work {Form T-7}.
 - viii. Total manpower deployment schedule {Form T-8}.
 - ix. Work Program (in the form of bar-chart) {Form T-8}.
9. Appendix – II- Technical Evaluation Performa.
10. Financial Bid- Separately as available on website with break up.
11. Significant evidence of authority of the person signing on behalf of the bidder.

Tender Inviting Authority : SUPERINTENDING ENGINEER PWD CIRCLE DUNGARPUR

Name of Work : Consultancy for Detailed Design and Drawing for Construction of High Level Bridge across Mahi River at Sangmeshwar on Chikhli-Anandpuri Road Distt. Dungarpur under CRF (Job No. CRF-885/RJ/2016-17) which include Topographic Survey, Hydrological Investigations, Geo-Technical Investigations and

Contract No :

Bidder Name :				
PRICE SCHEDULE				
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)				
NUMBER	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT	TOTAL AMOUNT In Words
1	2	3	4	5
1	*Consultancy Services for Detailed Design and Drawing for Construction of High Level Bridge across Mahi River at Sangmeshwar on Chikhli-Anandpuri Road Distt. Dungarpur under CRF (Job No. CRF-885/RJ/2016-17) which include Topographic survey, Hydrological investigations, Geotechnical investigations, preparation of General arrangement drawing, detailed design and drawing and all scope of work/task as mentioned in tender document.		0.00	INR Zero Only
Total in Figures			0.00	INR Zero Only
Quoted Rate in Words			INR Zero Only	