

**EDFC FIELD UNIT-KOLKATA-CIVIL/EDFC
TENDER DOCUMENT**

Tender No: KKK-EN-ROB-GAD-DG-DHN-DDU

Closing Date/Time: 30/06/2022 15:00

CGM/DFCCIL/Kolkata acting for and on behalf of The President of India invites E-Tenders against Tender No **KKK-EN-ROB-GAD-DG-DHN-DDU** Closing Date/Time 30/06/2022 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

Contractors are allowed to make payments against this tender towards tender document cost and earnest money only through only payment modes available on IREPS portal like net banking, debit card, credit card etc. Manual payments through Demand draft, Banker cheque, Deposit receipts, FDR etc. are not allowed.

1. NIT HEADER

Name of Work	Consultancy Services for Development and Preparation of GADs, Detailed Project Report , Preparation of Detailed Drawings and Design for Foundation, Sub-structure & Super-Structure of Road Over Bridge including Viaduct Spans and Approaches; Design of Reinforced Earth Wall & Retaining Wall; Proof Checking of Foundation, Structural and RE Wall/Retaining Wall Design; Preparation of BOQ; Preparation of Detailed Estimate; Conducting Final Location Survey; Preparation of Land Acquisition Proposals; Conducting Geotechnical Investigation and Preparation of Bid Document with Technical Specifications as per relevant Codes/Manuals for Construction of ROB in connection with Eastern Dedicated Freight Corridor Corporation Between Dhanbad to Sonnagarof Dhanbad & Pt. Deendayal Upadhyay Division in the State of Jharkhand & Bihar		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	30/06/2022 15:00	Date Time Of Uploading Tender	15/06/2022 14:20
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	28832648.00	Tendering Section	JHARKHAND
Bidding Style	Single Rate for Tender	Bidding Unit	Rs.
Earnest Money (Rs.)	576700.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	0.00	Period of Completion	9 Months
Contract Type	Service	Contract Category	Expenditure
Bidding Start Date	16/06/2022	Are Joint Venture (JV) firms allowed to bid	No
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<p>Schedule A-Conduction Geotechnical Investigation as per Scope of work, Special Conditions of Contract and relevant IS codes for a depth of 40m complete in all respect. The work shall include:- (i) Geotechnical investigation report covering full ROB (Viaduct portion and both Approaches). (ii) Submission of results of tests in a proper tabular form as per relevant IS codes along with detailed Report in six copies. (iii) For open foundation, net allowable bearing capacity, for pile foundations, safe design load carrying capacity and safe uplift capacity of pile foundation. (iv) Report of suitability of type of foundation will be submitted out by the Consultant Justification for adoption of pile foundation will be part of Geotechnical report. Note: In case borehole is terminated at less than 40m depth, payment will be made on pro-rata basis.</p>								28832648.00
1	Please see Item Breakup for details.			28832648.00	AT Par	28832648.00		
	<p>Description:- Consultancy Services for Development and Preparation of GADs, Detailed Project Report, Preparation of Detailed Drawings and Design for Foundation, Sub-structure & Super-Structure of Road Over Bridge</p>							

3. ITEM BREAKUP

Schedule	Schedule A-Conduction Geotechnical Investigation as per Scope of work, Special Conditions of Contract and relevant IS codes for a depth of 40m complete in all respect. The work shall include:- (i) Geotechnical investigation report covering full ROB (Viaduct portion and both Approaches). (ii) Submission of results of tests in a proper tabular form as per relevant IS codes along with detailed Report in six copies. (iii) For open foundation, net allowable bearing capacity, for pile foundations, safe design load carrying capacity and safe uplift capacity of pile foundation. (iv) Report of suitability of type of foundation will be submitted out by the Consultant Justification for adoption of pile foundation will be part of Geotechnical report. Note: In case borehole is terminated at less than 40m depth, payment will be made on pro-rata basis.
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Item- 1 Consultancy Services for Development and Preparation of GADs, Detailed Project Report, Preparation of Detailed Drawings and Design for Foundation, Sub-structure & Super-Structure of Road Over Bridge						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	011010	Conducting final Location Survey for Construction of ROB as per relevant para of IR Engineering Code(1993) edition and submission of report. Work to be conducted as per Railways latest codes and as per terms of reference mentioned in the tender document. Note:- The Rate should include the following items. (i) Conducting detailed survey for taking longitudinal and transverse section taking detail of waterways, electrical and telephone crossing road details etc. along the route and plotting the alignment on village map, village map to be arranged by contractor. (ii) Pegging out of alignment at every 20m interval on straight and 10m interval on curves including setting out of curves with transition etc. working out detail quantities of all items of earthwork, Concrete, steel, bituminous Road items (As per MORTH Schedule), and submission of document as per relevant Paras of Engineering Code with schematic diagram. (iii) Planting of concrete pillars of size 30CMx30cm x 60cm of 1:2:4 cement concrete proportion at every 50m interval/at suitable location (with contractor's materials labour tools and plants including taxes and royalties). (iv) Submission of detailed project report in 5(five) copies and soft copy on CD. (v) Transferring the finalized alignment on ground using total station or any other survey instrument as approved by Engineer-in -charge. (vi) Preparation of Land Plans table along the existing track and proposed alignment for identification & measurement of adjoining properties required for superimposition of revenue record. It also includes collection of revenue maps (vii) Schedule of land property required for (Railway portion + approaches) for acquisition purpose will be prepared by the Consultant as per format advised by DFCCIL. (viii) Preparation of land acquisition proposal (20A) in five copies as per Revenue Departments requirement of respective State including Collection of Land Records including superimposition of revenue record on proposed alignment & calculation of land requirement. (ix) Preparation of 20E proposal for publication after JMS with state Govt officials. (x) Preparation of Form 11 for 20F with consultation of respective State Govt Officials	Each Bridge	13.00	273836.00	3559868.00
2	011020	Preparation of Concept Plan with different option of ROB with respect to location of ROB alignment of road, ease of construction of spans and public convenience. (i) For each ROB 3 to 5 alternative concept plans shall be prepared on AutoCAD and superimposed on Google Map in kmz file. (ii) A write up regarding positive and negative aspects (advantages & disadvantages) of each option ranking them in the order of preference. (iii) Estimated cost of ROB, including cost of land & utility shifting is to be given for each option. (iv) Each option shall be submitted in A-3 Sheet in Colour in 05 copies. (v) A CD Containing all option in kmz file shall also be submitted. (vi) Modifications as suggested by DFCCIL and stake holders is to be incorporated and re-submitted. (vii) If none of the options submitted by consultant is found suitable, no payment shall be made and the consultant shall submit fresh options. (viii) Submission of feasibility Report. Note: - The rate includes site survey required for this item and nothing extra shall be paid for site survey conducted for this purpose.	Each Bridge	13.00	130562.00	1697306.00

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3	012010	Preparation of GAD, Detailed design for foundation, sub-structure of viaduct span of ROB and approach spans, Design of Reinforced Earth, Retaining Wall etc as provided in Scope of Work as per relevant IR, BIS, IRC and other codes for the option of ROB alignment/span selected by Employer: This item includes: (i) Integrated Key Plan of entire ROB alignment covering railway portion, take off and landing approaches, arrangements of ROB approaches with NHAI/other roads department will be developed and included in GAD as per the Technical Requirement mentioned in the SCC. (ii) Preparation of GADs as per check list of ECR and codal provision. (iii) Preparation of preliminary and detailed design of foundation substructure, Superstructure, including staircase, approach slab (wherever applicable) & Good for construction drawings (GFC Drawings) and all other drawing as required for construction of DFC+ Railway portion of the ROB and both approaches. (iv) Submission of proof checked detailed design and Good for Construction Drawings (DFC Drawings) for Foundation, Sub-structure, Super-Structure (in non-RDSO span is adopted), Reinforced Earth Wall and Retaining Wall. (v) The detail design of superstructure will be further governed as per Para (iv) of Deliverable in Part-I Chapter-III. (vi) Preparation of bill of quantities (BOQ), Detailed Estimate, technical specifications and tender documents as per preliminary designs and drawings. (vii) Checking of design/drawings submitted by contractor(s) for bearings, Launching schemes, Temporary Arrangement Drawings etc, if required. (viii) Technical support for getting approval from Railway/CRS including approval of temporary staging and launching schemes, if required. (ix) Designer support during construction of ROB including site visit as per requirement of DFCCIL. This will include modification of design/drawings as and when required (x) Out station visits (Kolkata, Ranchi, Patna/Hajipur, District HQs of Gaya, Aurangabad, Koderma, Hazaribagh, Dhanbad, Giridih, Delhi/NCR and other locations in SEB-Dhanbad section) with stakeholders will be attached by Consultant team on specific advice of DFCCIL and nothing extra will be paid for visits for such meetings during currency of contract. (xi) Proof checking of designs from reputed institute like IIT/NIT with approval of institute by DFCCIL. Note: If Sub-Item (vi) regarding BOQ, tender document is not operated, further deduction @Rs.20,000/- per ROB will be made.	Each Bridge	13.00	996337.00	12952381.00
4	013010	Conduction Geotechnical Investigation as per Scope of work, Special Conditions of Contract and relevant IS codes for a depth of 40m complete in all respect. The work shall include:- (i) Geotechnical investigation report covering full ROB (Viaduct portion and both Approaches). (ii) Submission of results of tests in a proper tabular form as per relevant IS codes along with detailed Report in six copies. (iii) For open foundation, net allowable bearing capacity, for pile foundations, safe design load carrying capacity and safe uplift capacity of pile foundation. (iv) Report of suitability of type of foundation will be submitted out by the Consultant Justification for adoption of pile foundation will be part of Geotechnical report. Note: In case borehole is terminated at less than 40m depth, payment will be made on pro-rata basis.	Each Hole	78.00	136193.50	10623093.00
					Total	28832648.00

4. ELIGIBILITY CONDITIONS

Standard Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading

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1	The contractual payments received by the tenderer/ JV firm (As per clause 65.15.2 of GCC) in the previous three financial year and the current financial year up to the date of Inviting of tender shall be at least 150% of total advertised value of tender. The tenderer must have received contractual payments in the previous three financial years and the current financial year up to the date of inviting of tender, at least 150% of the advertised value of the tender. The tenderers shall submit Certificates to this effect which may be an attested Certificate from the concerned department / client or Audited Balance Sheet duly certified by the Chartered Accountant/Certificate from Chartered Accountant duly supported by Audited Balance Sheet.; Submission Requirements:TDS certificates/Audited balance sheets and or Photocopies of TDS certificates/Audited Balance sheets clearly indicating the contractual amount received duly certified by the Chartered Accountant/Certificate from Chartered Accountant duly supported by Audited Balance Sheet Client certificate from other than Govt. Organization should be duly supported by Form 16A/26AS generated through TRACES of Income Tax Department of India.	No	No	Allowed (Mandatory)
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Standard Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer / JV firm (as per clause no. 65.15.1 of GCC) must have satisfactorily completed any of the following during last 7 years, ending last day of month previous to the one in which tender is invited: (a)Three similar works each costing not less than the amount equal to 30% of advertised value of subject work, or (b)Two similar works each costing not less than the amount equal to 40% of advertised value of subject work, or (c)One similar works each costing not less than the amount equal to 60% of advertised value of subject work; Submission Requirement: Thetenderer shall submit the completion certificates/ certified completion certificates from the client(s) and or Photocopies of original certificates of client.	No	No	Allowed (Mandatory)
1.1	Defination of Similar Work :- Any work consisting of detailed design and drawing work of Road Over Bridge/ Rail Fly Over.	No	No	Not Allowed

5. COMPLIANCE

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

Custom

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Documents to be enclosed with the TECHNICAL BID as per Clause1.3.2(b) of Part-I of Chapter-III of Tender Document	No	No	Not Allowed
1.1	Offer letter complete as per Form-1 of Tender Document	No	No	Allowed (Mandatory)
1.2	Tenderer's Technical credentials in accordance with Para 1.3.13 (i)(A)of Part-I, Chapter-III (Preamble & General Instructions to Tenderers): As per Form No. 2A of Tender Document	Yes	Yes	Allowed (Mandatory)
1.3	Tenderer's Financial credentials in accordance with Para 1.3.13 (i)(B) of Part-I, Chapter-III (Preamble & General Instructions to Tenderers): As per Form No. 2B of Tender Document	Yes	Yes	Allowed (Mandatory)
1.4	Applicant's Party Information Form: As per Form 2C of tender Document	No	No	Allowed (Mandatory)
1.5	Certificates for authenticity of documents/ Format for Affidavit: As per Form 22 of Tender Document	Yes	Yes	Allowed (Mandatory)
1.6	Format of Integrity pact: As per Form 20 of Tender Document	Yes	Yes	Allowed (Mandatory)
1.7	Details of Earnest money in accordance with Para 1.3.8 of Part-I, Chapter-III (Preamble & General Instructions to Tenderers)	Yes	Yes	Allowed (Optional)

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1.8	An undertaking that he is not blacklisted or debarred by Railways or any other Ministry or Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which he was or is a partner/member. Concealment or wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.: As per Clause 1.3.6 of Part-I, Chapter-III (Preamble & General Instructions to Tenderers)	No	No	Allowed (Mandatory)
1.9	Documents to be Submitted Along with Tender as per Clause 1.3.6.2 of Part-I, Chapter-III (Preamble & General Instructions to Tenderers)	No	No	Allowed (Optional)

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TenderDocumentROBConsultant_1.pdf	Tender Document

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017 and amendments/ revisions thereof.

As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

Signed By: JOY KARMAKAR

Designation : DYPM/Civil/Kolkata