

Closing Date/Time: 19/09/2025 15:00

1. NIT HEADER

Name of Work	Consultancy services for preparation of GADs, detailed project report, detailed design and drawing including geotechnical investigation for Construction of 11 (Eleven) Nos ROBs in lieu of LCs between Dankuni and Khana Stations of Howrah Division in West Bengal		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	19/09/2025 15:00	Date Time Of Uploading Tender	22/08/2025 18:02
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	33310425.39	Tendering Section	WEST BENGAL
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money (Rs.)	666300.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	11800.00	Period of Completion	9 Months
Contract Type	Works - General	Contract Category	Expenditure
Bidding Start Date	05/09/2025		
Are JV allowed to bid	No	Number of JV Member Allowed	0
Are Consortium allowed to bid	No	Number of Consortium Member Allowed	0
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Deposit Work

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () A-Non-Schedule Items for Survey, GAD and Design							15388031.39	Above, Below/Par
	1	11.00	Each	291068.00	3201748.00	AT Par	3201748.00	

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

Tender No: KKK-EN-ROB-DGN-DKAE-KAN2

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NS1	Description:- Conducting final Location Survey for Construction of ROB/ RUBs 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 10m interval on straight and 10m interval on curves including setting out of curves with transition etc. working out quantities of all items of earthwork, Concrete, steel, bituminous Road items (As per MORTH/Railway Schedule/ DSR), 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 Center Line and edge of ROW of ROB corridor (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 DGPS or total station or any other survey instrument, with global coordinate system 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 (Section 20A of Railway Act 1989 with latest amendment(s) or similar or similar work of other act as applicable) 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) Assistance for preparation of section 20E (Railway Act 1989 with latest amendment(s) or similar or similar work of other act as applicable) proposal for publication after JMS with state Govt officials. (x) Assistance for preparation of Form 11 for section 20F (Railway Act 1989 with latest amendment(s) or similar or similar work of other act as applicable) with consultation of respective State Govt Officials. Note: In case consultant is not required/ not able to Plant concrete pillars (sub item-iii) for any ROB completely or partially, deduction @ Rs. 747/- per pillar shall be made.						
	2	11.00	Each	191923.00	2111153.00	AT Par	2111153.00
NS2	Description:- 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) Abstract 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 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 as per alignment decided by DFCCIL and nothing extra shall be paid for site survey conducted for this purpose.						
	3	11.00	Each	894482.00	9839302.00	AT Par	9839302.00
NS3	Description:- 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, takeoff 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 Railway/DFCCIL and codal provision. (iii) Preparation and submission of preliminary and detailed design of foundation substructure, Superstructure including staircase, approach slab (wherever applicable) 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 by IITs and for foundation, sub-structure, superstructure (if non- RDSO span is adopted) and retaining wall. v) The detailed design of super structure will be further governed as per para (iv) of deliverable in part -1 chapter -III. vi) Preparation of bill of quantity (BOQ), detailed estimate, technical specifications and tender document as per preliminary design and drawings. vii) Checking of design /drawing submitted by contractor for bearing, launching scheme, temporary arrangement, reinforced earth wall drawing etc., if required. viii) Technical support for getting approval from Railway /CRS including approval of temporary staging and launching scheme if required. ix) Issue of Good for construction drawing (GFC drawing) and Designer support during construction of ROB including site visit as per requirement of DFCCIL. This will include modification design / drawings as and when required. x) Out station visit (Kolkata, Asansol, Howrah District HQ of Kolkata, Delhi /NCR and other locations in Khana-Dankuni section) by consultant team on specific advice of DFCCIL and nothing extra will be paid for visits for such meeting during currency of contract. Note: In case consultant is not required to prepared GAD for any ROB deduction @ Rs. 15,000/- per ROB/RUB shall be made. If sub-item (vi) regarding BOQ, tender document is not operated further deduction @Rs. 20,000/- per ROB will be made.						
	4	27.50	Kilometre	5258.00	144595.00	AT Par	144595.00

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NS4	Description:- Drone Videography in linear section to review progress of work/ intrusion (encroachment)/existing structures into the corridor covering approximate width of 100 to 120 m along Proposed ROB/RUB/ Road/ Existing Railway as instructed by engineer incharge. Submission of geo-tagged 4k resolution videos along with a player facility to load and link image/ Drawings/other files etc., and linkage to GIS map like Google, Bhuvan etc., with overlay /Sync facility should be available & ROW, alignment, structure, chainage & other important details can be incorporated in it. Deliverables to be submitted in Pen drive/ Hard disk to DFCCIL.							
NS5	5	17.00	Per Unit	5366.67	91233.39	AT Par	91233.39	
	Description:- Topographical Survey using total station for preparation long section and cross section as required and as advised by Engineer in Charge. The survey should show all the permanent objects as available & transferring TBM on ground of the proposed area. The payment will be made as per actual area surveyed. Per unit to be read as Per Hectare							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () B-Non-Schedule Items for Geotechnical Investigation							12641860.00	Above/ Below/Par
NS1	1	110.00	Each Hole	114926.00	12641860.00	AT Par	12641860.00	
	Description:- Conduction Geotechnical Investigation as per Scope of work, Special Condition of contract and relevant IS Code for a depth of 40m complete in all respect. The work shall include: - (i) In all kind of soil/ rocks, geotechnical investigation report covering full ROB/RUB (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, settlement and 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.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () C-Non Schedule item for Design of Superstructure							4956000.00	Above/ Below/Par
NS1	Please see Item Breakup for details.				2242000.00	AT Par	2242000.00	
	Description:- Preparation and submission of detail design booklet with calculations, structural General arrangement drawing, detail structural drawings and STAAD Pro /Midas Input files for following Composite Girders and Camel back truss type super structure for ROB's including bearings for approval of Railway and/ or DFCCIL and/ or RDSO: Camel Back Truss type girders							
NS2	Please see Item Breakup for details.				1357000.00	AT Par	1357000.00	
	Description:- Preparation and submission of detail design booklet with calculations, structural General arrangement drawing, detail structural drawings and STAAD Pro /Midas Input files for following Composite Girders and Camel back truss type super structure for ROB's including bearings for approval of Railway and/ or DFCCIL and/ or RDSO: Composite girder for skew angles 20° to 25°							
NS3	Please see Item Breakup for details.				1357000.00	AT Par	1357000.00	
	Description:- Preparation and submission of detail design booklet with calculations, structural General arrangement drawing, detail structural drawings and STAAD Pro /Midas Input files for following Composite Girders and Camel back truss type super structure for ROB's including bearings for approval of Railway and/ or DFCCIL and/ or RDSO: Composite girder for skew angles 25° to 30°							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () D-Non Schedule item for Supply of STAAD Pro software							324534.00	Above/ Below/Par
NS1	1	2.00	Each	162267.00	324534.00	AT Par	324534.00	
	Description:- STAAD PRO Design Software One year subscription with supply and installation of requisite training of Structural Work Suite includes: STAAD Pro, Advanced o STAAD Advanced Concrete Design o STAAD Foundation Advanced o RAM Structural System o RAM Concept with RAM Concept Post Tension o RAM Elements o RAM Connection o Microstran. Advanced o iTwin Analytical Synchronizer							

3. ITEM BREAKUP

Schedule	Schedule C-Non Schedule item for Design of Superstructure
Item-NS1	Preparation and submission of detail design booklet with calculations, structural General arrangement drawing, detail structural drawings and STAAD Pro /Midas Input files for following Composite Girders and Camel back truss type super structure for ROB's including bearings for approval of Railway and/ or DFCCIL and/ or RDSO: Camel Back Truss type girders

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S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	NS1a	for 42m span	Each	1.00	1121000.00	1121000.00
2	NS1b	for 54m span	Each	1.00	1121000.00	1121000.00
					Total	2242000.00
Item-NS2	Preparation and submission of detail design booklet with calculations, structural General arrangement drawing, detail structural drawings and STAAD Pro /Midas Input files for following Composite Girders and Camel back truss type super structure for ROB's including bearings for approval of Railway and/ or DFCCIL and/ or RDSO: Composite girder for skew angles 20° to 25°					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	NS2a	for 18m span	Each	1.00	413000.00	413000.00
2	NS2b	for 24m span	Each	1.00	413000.00	413000.00
3	NS2c	for 36m span	Each	1.00	531000.00	531000.00
					Total	1357000.00
Item-NS3	Preparation and submission of detail design booklet with calculations, structural General arrangement drawing, detail structural drawings and STAAD Pro /Midas Input files for following Composite Girders and Camel back truss type super structure for ROB's including bearings for approval of Railway and/ or DFCCIL and/ or RDSO: Composite girder for skew angles 25° to 30°					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	NS3a	for 18m span	Each	1.00	413000.00	413000.00
2	NS3b	for 24m span	Each	1.00	413000.00	413000.00
3	NS3c	for 36m span	Each	1.00	531000.00	531000.00
					Total	1357000.00

4. ELIGIBILITY CONDITIONS

Standard Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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.	No	No	Allowed (Mandatory)

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	No	No	Allowed (Mandatory)
1.1	Defination of Similar Work :- Design and drawing of Railway Bridge/ROB/ FOB	No	No	Not Allowed

5. COMPLIANCE

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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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)
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Custom

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Documents to be enclosed with the TECHNICAL BID as per Clause 1.3.2(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	No	No	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)
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	FinalTenderDocument11ROB.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: SRINIVASULU NAIDU PEELA

Designation : DYPMCivil I