



PREQUALIFICATION DOCUMENTS FOR

DESIGN AND CONSTRUCTION OF CIVIL, BUILDING AND TRACK WORKS FOR DOUBLE LINE RAILWAY INVOLVING FORMATION IN EMBANKMENTS/CUTTINGS, BRIDGES, STRUCTURES (EXCLUDING CIVIL WORKS FOR BRIDGES AND FORMATION IN EMBANKMENT / CUTTING AND STRUCTURES IN APPROACHES FOR 100M LENGTH FROM ABUTMENTS ON BOTH SIDES OF THE BRIDGES ACROSS RIVERS MAHI AND SABARMATI), BUILDINGS, BALLAST ON FORMATION, TRACK WORK (INCLUDING BALLAST AND TRACK WORKS ON BRIDGES AND FORMATION OF APPROACHES FOR 100M LENGTH FROM ABUTMENTS ON BOTH SIDES OF THE BRIDGES ACROSS RIVERS MAHI AND SABARMATI) INCLUDING TESTING AND COMMISSIONING ON DESIGN-BUILD LUMP SUM PRICE BASIS FOR IKBALGARH - VADODARA SECTION OF WESTERN DEDICATED FREIGHT CORRIDOR

CIVIL, BUILDING AND TRACK WORKS CONTRACT PACKAGE

CONTRACT PACKAGE 3

Issued on: 22nd June, 2012

Invitation for Prequalification No: 2012/WC/Ph.I/PQ/Pkg3
ICB Nos. CT P - 3

Employer:
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)
MINISTRY OF RAILWAYS

INDIA

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PART 1. PREQUALIFICATION PROCEDURES

Section I. Instructions to Applicants (ITA)

This Section specifies the procedures to be followed by Applicants in the preparation and submission of their Applications for Prequalification (AFPs). Information is also provided on opening and evaluation of AFPs. **Section I contains provisions that are to be used without modification.**

Section II. Prequalification Data Sheet (PDS)

This Section consists of provisions that are specific to this prequalification and supplement the information or requirements included in Section I, Instructions to Applicants.

Section III. Qualification Criteria and Requirements

This Section contains the methods, criteria, and requirements to be used to determine how Applicants shall be prequalified and later invited to bid.

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PART 1 – Prequalification Procedures

Invitation for Prequalification (IFP)

22nd June, 2012

Country: INDIA

Loan Agreement No. : ID-P209

DEDICATED FREIGHT CORRIDOR PROJECT (WESTERN CORRIDOR PHASE-1) Design Build Lump Sum Contract

for

Civil, Building and Track Works Package 3

Invitation for Prequalification No: 2012/WC/Ph.I/PQ/Pkg3
ICB Nos. CT P-3

1. The President of India has received a Loan from Japan International Cooperation Agency toward the cost of the **DEDICATED FREIGHT CORRIDOR PROJECT (WESTERN CORRIDOR PHASE-1)** signed on 31 March 2010. It is intended that part of the proceeds of this Loan will be applied to eligible payments for which this Invitation for Prequalification is issued. Bidding will be governed by JICA's eligibility rules and procedures.
2. The total length of Phase 1 of Dedicated Freight Corridor (Western) between Rewari and Vadodara is 922km. This will be constructed as double line electrified broad gauge (1676mm) track with 2 x 25 kV AC, 50 Hz, overhead catenary system, capable of operating at a maximum train speed of 100km/h with an initial axle load of 25.0 tonnes. Formation and bridge structures are to be provided for 32.5 tonnes axle load and track structure for 25 tonnes axle load.

Out of the total length of 922km of Rewari - Vadodara section of Phase 1 of the Western Dedicated Freight Corridor, it is intended to first carryout work between Ikalgarh and Rewari in a length of 625km. Accordingly the pre-qualification and bidding process for the Civil, Building and Track Works for same has already been initiated.

The Dedicated Freight Corridor Corporation of India Limited (DFCCIL) (hereinafter referred to as "the Employer") intends to prequalify contractors and/or firms for Civil, Building and Track Works Contract Package 3 for the balance section i.e. Ikalgarh – Vadodara section (297km approximately).

Ikalgarh – Vadodara section of the alignment consists of two parts viz. Ikalgarh – Pansar and Pansar – Vadodara (Makarpura)

- The alignment between Ikalgarh and Pansar (140km approximately) is located along Ikalgarh – Palanpur - Jagudam - Pansar lines of North Western Railway. The Ikalgarh – Jagudam stretch of the alignment runs on Eastern side of North Western Railway whereas the Jagudam – Pansar of the alignment runs on Western side of North Western Railway.
- The alignment between Pansar and Vadodara (Makarpura) (157 km approximately) takes detours

Construction of two special steel bridges including approaches of 100m length from abutments on both sides of the bridges across rivers Mahi (near Vadodara) and

Sabarmati (near Ahmedabad) in the Ikalgarh – Vadodara section has been planned to be taken up under separate package (Package CT P-3A) and is excluded from the Scope of Work of Package 3. However the track work for the Package CT P-3A shall be included in the Scope of Work for Package CT P-3.

The Contractor shall undertake the design, construction, manufacture, supply, installation, testing and commissioning of the Civil, Structures, Buildings and Track works including and without limitation, the design, construction and removal of any Temporary Works.

Major Structural Features with approximate details are tabulated below at present

Structure	Package-3: 297 km (Ikalgarh - Vadodara)
1. Civil Works	
- Cutting	1.076 x 10 ⁶ cum
- Embankment	26.60 x 10 ⁶ cum
- Blanket	2.53 x 10 ⁶ cum
- Subgrade	4.70 x 10 ⁶ cum
- Important bridges	4 nos. (total length 1071m)
- Viaduct	---
- Major bridge	121 nos. (total length 3788m)
- Rail flyover	11 nos. (total length 235m)
- Minor bridge	285 nos. (total length 1160m)
- ROB*1	2 nos.
- RUB*2	237 nos.
- Pedestrian Subways	23 nos.
- Railway crossing	6 nos.
2. Building Works	(Approximate Building Area of JS and CS 19,600 sqm)
- Junction Station (JS)	4 locations (Approximate Area 13,200 sqm)
- Crossing Station (CS)	5 locations (Approximate Area 6,400 sqm)
- Maintenance Depot, MMU, Sub-Depots etc.	At Junction and Crossing Stations
- Quarters & Offices	At Junction and Crossing Stations (Approximate Area 33,000 sqm)
3. Track Works	
- Ballast	1.61 x 10 ⁶ cu.m
- Route Km	297 km

Note: *1; Road-over-bridge (overpass), *2; Road-under-bridge (underpass)

3. The expected schedule of the bidding process shall be as under :
 - a) Invitation of Pre-qualification (IFP) : 22-06-2012
 - b) Invitation of Bids : 01-11-2012
 - c) Submission of Bids (by Bidders) : 28-02-2013
 - d) Construction Period : 208 weeks
4. "Prequalification will be conducted through prequalification procedures specified in the Guidelines for Procurement under Japanese ODA Loans, March 2009. Further, Eligible Nationality for an Applicant and all partners constituting the Applicant shall be the following;
 - (a) Japan in the case of the prime contractor; and
 - (b) All countries and areas in the case of sub-contractor(s).

Further, with regard to the above, in case where the prime contractor is a joint venture, such joint venture will be eligible provided that the nationality of the lead partner is Japan, that the nationality of the other partners is Japan and/or India and that the total share of work of Japanese partners in the joint venture is more than fifty percent (50%) of the contract amount

- 4.1 Procurement of the following components from Japan is mandatory under this Package (Refer Section V – List of Eligible Countries of Japanese ODA Loans);

➤ Head Hardened Rails for the entire stretch of Main Line and Points & Crossings

5. Interested eligible Applicants may obtain further information from and inspect the Prequalification Documents at the address given below, from 11:00 hours to 17:00 hours (Indian Standard Time) on business working days only at the address given below from 22-06-2012 to 02-08-2012.
6. A complete set of the Prequalification Document may be purchased by interested Applicant(s) on the submission of a written application to the address below during 11:00 hours to 17:00 hours on any working day and upon payment of a nonrefundable fee of Rs. 10,000/- only (Rs. Ten thousand only) or US\$ 200 in the form of Demand Draft in favour of "Dedicated Freight Corridor Corporation of India Ltd." from any Scheduled Commercial Bank in India and payable at New Delhi. The Prequalification Document will be available for sale from 22-06-2012 and up to 12:00 hours on 13-08-2012.

If the Applicant desires that the Prequalification Document be sent by post / courier service, then an additional charge of Rs. 1,000 for inland delivery and Rs. 5,000 or US\$ 100 for overseas delivery shall also be paid along with fee stated above. The request for sending the Prequalification Document by post / courier service must be received at the address below with requisite fee before 02-08-2012.

7. Applications for prequalification should be submitted in sealed envelopes, delivered to the address below by 13-08-2012 at 15:00 hours (Indian Standard Time), and be clearly marked "Application to Prequalify for **DEDICATED FREIGHT CORRIDOR PROJECT (IKBALGARH – VADODARA SECTION OF WESTERN CORRIDOR PHASE-1), Civil,**

Building and Track Works [Contract Package Number: CTP-3].”

8. PQ Document in pdf file will be available in Home Page of DFCCIL as shown below.
HP: <https://dfccil.org>
9. Prequalification Document will be available at the address mentioned below with CD-ROM including Forms in Microsoft Word version at the cost of Rs. 10,000/- only (Rs. Ten thousand only) or US\$ 200.
10. The applicants who download the PQ Document from DFCCIL website will be required to deposit the requisite fee, as specified above, at the address mentioned below towards the cost of Pre-qualification Documents before the submission of their Pre-qualification Application. The Pre-qualification Application(s) if submitted without the requisite fee will not be considered and rejected outright.
11. Interested eligible Applicants who have purchased the Pre-qualification Document are invited to attend a Pre-PQ Conference to be held at Venue below on 11-07-2012 at the following address:

Venue: Room No. 416, 4th Floor, Pragati Maidan Metro Station, New Delhi - 110001
Time: 11:00 hours (Indian Standard Time)

Participation to this Pre-PQ Conference is not a mandatory requirement for prequalification.

A questionnaire Form will be delivered to the Applicant's Representatives participating in the Pre-PQ Conference. Answers will be delivered to all the Representatives within seven (7) days after the Conference by e-mail. The answers shall also be available in Home Page of DFCCIL as shown above.

Dedicated Freight Corridor Corporation India Ltd.
Mr. Dhanesh Gupta
Position ; GGM/PWC
Room No. 505
5th Floor, Pragati Maidan, Metro Station Building, New Delhi – 110001, INDIA
Tel: +91-11-2337-9815, Fax : +91-11-2345-4701
e-mail: scc@dfcc.co.in

Section I. Instructions to Applicants

Notes on Instructions to Applicants (ITA)

Section I, Instructions to Applicants (ITA) specifies the procedures that regulate the prequalification process. The ITA contains standard provisions that have been designed to remain unchanged from JICA Sample Prequalification Document.

The ITA refers those clauses that need to be complemented to suit the conditions of a particular prequalification process to the Prequalification Data Sheet (PDS) for this Project; **the PDS provides such additional information.**

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A. General

<p>1. Scope of Application</p>	<p>1.1 In connection with the Invitation for Prequalification indicated in Section II, Prequalification Data Sheet (PDS), the Employer, as defined in the PDS, issues these Prequalification Documents (PD) to Applicants interested in bidding for the Works described in Section VI, Scope of Works. The reference identification number of the contract, if any, is provided in the PDS.</p>
<p>2. Source of Funds</p>	<p>2.1 The Borrower indicated in the PDS has received a Japanese ODA Loan from Japan International Cooperation Agency (hereinafter referred to as "JICA"), with the number, in the amount, and on the signed date of the Loan Agreement indicated in the PDS, towards the cost of the project named in the PDS. The Borrower intends to apply a portion of the proceeds of the loan to eligible payments under the contract(s) resulting from the bidding for which this prequalification is conducted.</p> <p>2.2 Disbursement of a Japanese ODA Loan by JICA will be subject, in all respects, to the terms and conditions of the Loan Agreement, including the disbursement procedures and "Guidelines for Procurement under Japanese ODA Loans". No party other than the Borrower shall derive any rights from the Loan Agreement or have any claim to loan proceeds.</p> <p>2.3 The above Loan Agreement will cover only part of the project cost. As for the remaining portion, the Borrower will take appropriate measures for finance.</p>
<p>3. Fraud and Corruption</p>	<p>3.1 It is JICA's policy to require that Bidders and Contractors, as well as Borrowers under contracts funded with Japanese ODA Loans and other Japanese ODA, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, JICA:</p> <p>(a) will reject a proposal for award if it determine that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;</p> <p>(b) will recognize a Bidder or Contractor as ineligible, for a period determined by JICA, to be awarded a contract funded with Japanese ODA Loans if it at any time determines that the Bidder or the Contractor has engaged in corrupt or fraudulent practices in competing for, or in executing another contract funded with Japanese ODA Loans or other Japanese ODA.</p>
<p>4. Eligible Applicants</p>	<p>4.1 An Applicant may be a single entity or any combination of entities in the form of joint venture or association (JVA) with the formal intent, as evidenced by a letter of intent, to enter into an agreement or under an existing agreement. In the case of a JVA,</p> <p>(a) unless otherwise specified in the PDS, all partners shall be jointly and severally liable for the execution of the Contract in</p>

	<p>accordance with the Contract terms, and</p> <p>(b) the JVA shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the partners of the JVA during the prequalification process and, in the event the JVA is prequalified, during the bidding process, and in the event the JVA is awarded the Contract, during contract execution.</p>
	<p>4.2 An Applicant and all partners constituting the Applicant shall be from an eligible source country as listed in Section V, List of Eligible Countries of Japanese ODA Loans.</p>
	<p>4.3 An Applicant shall not have a conflict of interest. All Applicants found to have a conflict of interest shall be disqualified from participating in this prequalification process. An Applicant may be considered to have a conflict of interest with one or more parties in this prequalification process if:</p> <p>(a) an Applicant has been engaged by the Employer to provide consulting services for the preparation related to procurement for or implementation of the project;</p> <p>(b) an Applicant is any of its associates/affiliates (inclusive of parent firms) mentioned in subparagraph (a) above; or</p> <p>(c) an Applicant lends, or temporarily seconds its personnel to firms or organizations which are engaged in consulting services for the preparation related to procurement for or implementation of the project, if the personnel would be involved in any capacity on the same project.</p>
	<p>4.4 An Applicant shall submit only one application in the same Prequalification process, either individually as an Applicant or as a partner of a JVA. An Applicant who submits, or participates in, more than one application will cause all the applications in which the Applicant has participated to be disqualified. No Applicant can be a subcontractor while submitting an application individually or as a partner of a JVA in the same Prequalification process. A subcontractor in any application may participate in more than one application, but only in that capacity.</p>
	<p>4.5 An Applicant, that has been determined to be ineligible by JICA in accordance with ITA 3, shall not be eligible to be awarded a contract.</p>
	<p>4.6 Applicants shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer shall reasonably request.</p>
<p>5. Eligible Goods and Related Services</p>	<p>5.1 All Goods and related services to be supplied under the Contract to be financed by JICA shall have their origin in any country in accordance with Section V, List of Eligible Countries of Japanese ODA Loans.</p>

	B. Contents of the Prequalification Documents
6. Sections of Prequalification Documents	6.1 The documents for the prequalification of Applicants (hereinafter referred to as "Prequalification Documents") consist of parts 1 and 2 which comprise all the sections indicated below, and should be read in conjunction with any Addendum issued in accordance with ITA 8.
	<p>PART 1 Prequalification Procedures</p> <ul style="list-style-type: none"> • Section I. Instructions to Applicants (ITA) • Section II. Prequalification Data Sheet (PDS) • Section III. Qualification Criteria and Requirements • Section IV. Application Forms • Section V. List of Eligible Countries of Japanese ODA Loans <p>PART 2 Works Requirements</p> <ul style="list-style-type: none"> • Section VI. Scope of Works
	6.2 The "Invitation for Prequalification" issued by the Employer is not part of the Prequalification Documents.
	6.3 The Employer accepts no responsibility for the completeness of the Prequalification Documents and its addenda unless they were obtained directly from the Employer.
	6.4 The Applicant is expected to examine all instructions, forms, and terms in the Prequalification Documents and to furnish all information or documentation required by the Prequalification Documents.
	6.5 General information on the climate, hydrology, topography, access to site, transportation and communications facilities, medical facilities, project layout, expected construction period, and other services and facilities to be provided by the Employer is furnished in Section VI, Scope of Works.
7. Clarification of Prequalification Documents	7.1 A prospective Applicant requiring any clarification of the Prequalification Documents shall contact the Employer in writing at the Employer's address indicated in the PDS . The Employer will respond in writing to any request for clarification provided that such request is received no later than fourteen (14) days prior to the deadline for submission of applications. The Employer shall forward copies of its response to all Applicants who have acquired the Prequalification Document directly from the Employer including a description of the inquiry but without identifying its source. Should the Employer deem it necessary to amend the Prequalification Document as a result of a clarification, it shall do so following the procedure under ITA 8 and in accordance with the provisions of ITA 17.2.
8. Amendment of Prequalification Documents	8.1 At any time prior to the deadline for submission of applications, the Employer may amend the Prequalification Documents by issuing

tion Documents	addenda.
	8.2 Any addendum issued shall be part of the Prequalification Documents and shall be communicated in writing to all who have obtained the Prequalification Documents from the Employer.
	8.3 To give prospective Applicants reasonable time to take an addendum into account in preparing their applications, the Employer may, at its discretion, extend the deadline for the submission of applications.
C. Preparation of Applications	
9. Cost of Applications	9.1 The Applicant shall bear all costs associated with the preparation and submission of its application. The Employer shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the prequalification process.
10. Language of Application	10.1 The application as well as all correspondence and documents relating to the prequalification exchanged by the Applicant and the Employer, shall be written in the language specified in the PDS . Supporting documents and printed literature that are part of the application may be in another language, provided they are accompanied by an accurate translation of the relevant passages in the language specified in the PDS , in which case, for purposes of interpretation of the application, the translation shall govern.
11. Documents Comprising the Application	11.1 The application shall comprise the following: (a) Application Submission Form, in accordance with ITA 12; (b) documentary evidence establishing the Applicant's eligibility to prequalify, in accordance with ITA 13; (c) documentary evidence establishing the Applicant's qualifications, in accordance with ITA 14; and (d) any other document required as specified in the PDS .
12. Application Submission Form	12.1 The Applicant shall prepare an Application Submission Sheet using the form furnished in Section IV, Application Forms. This Form must be completed without any alteration to its format.
13. Documents Establishing the Eligibility of the Applicant	13.1 To establish its eligibility in accordance with ITA 4, the Applicant shall complete the eligibility declarations in the Application Submission Form and Forms ELI (eligibility) 1.1 and 1.2, included in Section IV, Application Forms.

14. Documents Establishing the Qualifications of the Applicant	14.1 To establish its qualifications to perform the contract(s) in accordance with Section III, Qualification Criteria and Requirements, the Applicant shall provide the information requested in the corresponding forms included in Section IV, Application Forms.
15. Signing of the Application and Number of Copies	<p>15.1 The Applicant shall prepare one original of the documents comprising the application as described in ITA 11 and clearly mark it "ORIGINAL". The original of the application shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Applicant.</p> <p>15.2 The Applicant shall submit copies of the signed original application, in the number specified in the PDS, and clearly mark them "COPY". In the event of any discrepancy between the original and the copies, the original shall prevail.</p>
D. Submission of Applications	
16. Sealing and Identification of Applications	<p>16.1 The Applicant shall enclose the original and the copies of the application in a sealed envelope that shall:</p> <ul style="list-style-type: none"> (a) bear the name and address of the Applicant; (b) be addressed to the Employer, in accordance with ITA 17.1; and (c) bear the specific reference identification number of this prequalification process, if any, indicated in PDS 1.1.
	16.2 The Employer will accept no responsibility for not processing any envelope that was not identified as required.
17. Deadline for Submission of Applications	17.1 Applicants may always submit their applications by mail or by hand. Applications shall be received by the Employer at the address and no later than the deadline indicated in the PDS . A receipt will be given for all applications submitted.
	17.2 The Employer may, at its discretion, extend the deadline for the submission of applications by amending the Prequalification Documents in accordance with ITA 8, in which case all rights and obligations of the Employer and the Applicants subject to the previous deadline shall thereafter be subject to the deadline as extended.
18. Late Applications	18.1 The Employer reserves the right to accept or reject late applications.
19. Opening of Applications	19.1 The Employer shall prepare a record of the opening of applications that shall include, as a minimum, the name of the Applicant. A copy of the record shall be distributed to all Applicants.

	E. Procedures for Evaluation of Applications
20. Confidentiality	20.1 Information relating to the evaluation of applications, and recommendation for prequalification, shall not be disclosed to Applicants or any other persons not officially concerned with such process until the notification of prequalification is made to all Applicants.
	20.2 From the deadline for submission of applications to the time of notification of the results of the prequalification in accordance with ITA 28, any Applicant that wishes to contact the Employer on any matter related to the prequalification process, may do so but only in writing.
21. Clarification of Applications	21.1 To assist in the evaluation of applications, the Employer may, at its discretion, ask any Applicant for a clarification of its application which shall be submitted within a stated reasonable period of time. Any request for clarification and all clarifications shall be in writing.
	21.2 If an Applicant does not provide clarifications of the information requested by the date and time set in the Employer's request for clarification, its application may be rejected.
22. Responsiveness of Applications	22.1 The Employer may reject any application which is not responsive to the requirements of the Prequalification Documents.
23. Subcontractors	23.1 Applicants planning to subcontract any of the key activities indicated in Section III, Qualification Criteria and Requirements, shall specify the activity(ies) or parts of the Works to be subcontracted in the Application Submission Form. Applicants shall clearly identify the proposed specialist subcontractor(s) in Forms ELI-1.2 and EXP (experience)-4.2(b) in Section IV, Application Forms. Such proposed specialist subcontractor(s) shall meet the corresponding qualification requirements specified in Section III, Qualification Criteria and Requirements.
	23.2 At this time, the Employer does not intend to execute certain specific parts of the Works by subcontractors selected in advance by the Employer (Nominated Subcontractors) unless otherwise stated in the PDS.

	F. Evaluation of Applications and Prequalification of Applicants
24. Evaluation of Applications	24.1 The Employer shall use the factors, methods, criteria, and requirements defined in Section III, Qualification Criteria and Requirements to evaluate the qualifications of the Applicants. The use of other methods, criteria, or requirements shall not be permitted. The Employer reserves the right to waive minor deviations in the qualification criteria if they do not materially affect the capability of an Applicant to perform the contract.
	24.2 Only the qualifications of subcontractors that have been identified in the application may be considered in the evaluation of an Applicant. However, the general experience and financial resources of subcontractors may not be added to those of the Applicant for purposes of prequalification of the Applicant.
	24.3 Unless otherwise indicated in the PDS , this prequalification shall be for a single contract.
25. Employer's Right to Accept or Reject Applications	25.1 The Employer reserves the right to accept or reject any application, and to annul the prequalification process and reject all applications at any time, without thereby incurring any liability to Applicants.
26. Prequalification of Applicants	26.1 All Applicants, whose applications have been determined to be substantially responsive to the requirements of the Prequalification Documents and who have met or exceeded ("passed") the specified threshold criteria, shall be prequalified by the Employer.
27. Notification of Prequalification	27.1 Once the Employer has completed the evaluation of the applications, it shall notify all Applicants in writing of the names of those Applicants who have been prequalified.
28. Invitation for Bids	28.1 Promptly after the notification of the results of the prequalification, the Employer shall invite bids from all the Applicants that have been prequalified.
	28.2 Bidders may be required to provide a Bid Security acceptable to the Employer in the form and an amount to be specified in the Bidding Documents, and the successful Bidder shall be required to provide a Performance Security to be specified in the Bidding Documents.
29. Changes in Qualifications of Applicants	29.1 Any change in the structure or formation of an Applicant after being prequalified in accordance with ITA 26 and invited to bid shall be subject to a written approval of the Employer prior to the deadline for submission of bids. Any such changes shall be submitted to the Employer not later than fourteen (14) days after the date of the Invitation for Bids. Such approval shall be denied if as a consequence of the change;

	<ul style="list-style-type: none">(a) the prequalified Applicant, after the change, no longer substantially meets the qualification criteria set forth in Section III, Qualification Criteria and Requirements; or(b) in the opinion of the Employer, a substantial reduction in competition may result.
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Section II. Prequalification Data Sheet

Notes on Prequalification Data Sheet (PDS)

Section II, Prequalification Data Sheet (PDS) contains information and provisions that are specific to a particular prequalification process. The PDS only specify the information that the corresponding ITA requests be specified in the PDS

To facilitate the preparation of the PDS, its clauses are numbered with the same numbers as the corresponding ITA clauses.

A. General	
ITA 1.1	The reference identification numbers and names of this Invitation for Prequalification is: ICB Nos.: CT P-3
ITA 1.1	The name of the Employer is: Dedicated Freight Corridor of India Limited (A Government of India Enterprise)
ITA 1.1	The names, number and identification of the slices/ packages comprising this contract is: <u>Civil, Building and Track Works Package 3 (CT P-3) :</u> Design and Construction of Civil, Building and Track Works for Double Line Railway Involving Formation in Embankments/Cuttings, Bridges, Structures (Excluding Civil Works For Bridges and Formation in Embankment / Cutting and Structures in Approaches for 100m Length from Abutments on Both Sides of the Bridges across Rivers Mahi and Sabarmati), Buildings, Ballast on Formation, Track Work (including Ballast and Track Works on Bridges and Formation of Approaches For 100m Length from Abutments on Both Sides of the Bridges across Rivers Mahi and Sabarmati) including Testing and Commissioning on Design-Build Lump Sum Price Basis for Ikbargarh - Vadodara Section of Western Dedicated Freight Corridor
ITA 2.1	The name of the Borrower is: The President of India
ITA 2.1	The number of the Loan Agreement is ID-P209 The amount of a Japanese ODA Loan is: Ninety billion Two hundred Sixty Two million Japanese Yen (JPY 90,262,000,000) The signed date of the Loan Agreement is: 31 March 2010
ITA 2.1	The name of the Project is: Dedicated Freight Corridor Project (Western Corridor Phase-1)
ITA 3	Supplement with the following Bidder / Contractor would include the prime contractor, partners in a Joint Venture or association, sub contractors and sub consultants

ITA 4.1	<p>The ITA 4.1 shall be replaced with the following</p> <p>a) For the purpose of this pre-qualification document the following definition shall apply:</p> <ul style="list-style-type: none"> (i) 'Applicant' : It is the collective single entity consisting of 'Prime Contractor' with its 'Sub-contractor(s) &, Sub-consultants' (ii) 'Prime Contractor' may be single entity or 'a joint venture or partner in JV' or 'association or its member' excluding Sub Contractor' & Sub Consultants with the formal intent, as evidenced by a letter of intent, to enter into an agreement or under an existing/pre-existing agreement (iii) 'Partners' : Prime Contractor or in case where the Prime Contractor is a joint venture or association , 'Partners' would include all the constituent members of the joint venture or association. (iv) 'Authorized Signatory': For the purpose of this pre-qualification, the Authorized Signatory shall mean the person authorized to sign on behalf of Partner / Sub-contractor/ Sub consultant under a Power of Attorney and supported by a resolution from the respective Board of Directors. <p>b) In case of joint venture or association, all the constituent members of joint venture or association shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms</p> <p>c) Lead partner shall represent all the partners of the joint venture / consortium or association in discharging the obligations of the joint venture or association. Accordingly the joint venture or association shall nominate one Representative from Lead partner, who shall have the authority to conduct all business for and on behalf of any and all the partners of the joint venture or association during the prequalification process and, in the event the joint venture or association is prequalified, during the bidding process, and in the event the joint venture or association is awarded the Contract, during contract execution. In this regard each of the joint venture or association Partners shall submit the Power of Attorney duly signed by their respective 'Authorized Signatory' along with the Application for Pre-qualification.</p> <p>d) The Power of Attorney, in respect of the 'Authorized Signatory' of the respective Partners duly supported by their respective Board Resolution shall also be submitted along with the Application for pre-qualification.</p> <p>Alternatively a valid and current Power of Attorney to act on behalf of the company duly supported by authenticated evidence establishing the authority of the person issuing the said Power of Attorney is also acceptable. A Board Resolution is one way of validating such authenticity. Other valid & authentic documentation confirming that the person issuing the Power of Attorney has the authority to do so, would also be acceptable</p>
ITA 4.3	<p>Supplement with the following</p> <p>As part of the Application for Pre-qualification, the Applicant shall submit an undertaking from each of the proposed Partners and Sub-contractors / Sub-consultants, duly signed by their Authorized Signatories, that they do not have any conflict of interest under the provisions of Clause ITA 4.3 (a), (b) & (c).</p>

ITA 4.4	<p>Replace ITA 4.4 with the following :</p> <p>An applicant shall participate only in one application in the same Prequalification Process either individually as single entity (Prime Contractor) or as a Partner of a joint venture or association. An applicant as a Single entity (a Prime Contractor) or JV/Association Partner who submits, or participates in, more than one application will cause all the applications, in which the entity has participated, to be disqualified. No applicant as a Single entity (a Prime Contractor) or JV/Association Partner can be a Sub-contractor or Sub-consultant while submitting an application under the same Pre-qualification process. A Sub Contractor / Sub consultant in any application may participate in more than one application but only in that capacity.</p>
ITA 4.7	<p>The following clause shall be added after ITA 4.6</p> <p>The Applicant shall be considered in-eligible if any of its Partners and / or Sub Contractors / Sub Consultants included in the Application for Prequalification has been banned for business with Ministry of Railways along with any of its attached and subordinate offices through an order issued by Ministry of Railways as per list available on Web site (http://www.indianrailways.gov.in/railwayboard) of Civil Engg. Directorate of Railway Board pertaining to Banning of Business, with the Banning being valid as on the last date of submission the PQ Application.</p> <p>The Applicant / each partner of the joint venture or association including the proposed sub-contractors, sub-consultants shall submit an undertaking to this effect duly signed by their authorized signatory along with the Application for prequalification.</p>
B. Contents of the Prequalification Documents	
ITA 7.1	<p>For <u>clarification purposes</u> only, the Employer's address is:</p> <p>Attention: Mr. Dhanesh Gupta Floor/Room number: Room No. 505, 5th Floor, Pragati Maidan, Metro Station Building City: New Delhi ZIP Code: 1100011 Country: INDIA Telephone: +91-11-2337-9815 Facsimile number: +91-11-2345-4701 Electronic mail address: scc@dfcc.co.in</p> <p>Any clarification shall be submitted to the above address not later than twenty-one (21) days prior to the deadline of submission of application.</p> <p>A copy of queries, together with the answers of DFCCIL will be issued not later than ten (10) days before the closing date of the Prequalification Application, to all Applicants who have purchased PQ Document.</p>
ITA 8.1	<p>Any addendum will be issued not later than ten (10) days before the closing date of the Prequalification Application, to all Applicants who have purchased PQ Document.</p>
ITA 8.2	<p>Any addendum to the Prequalification document shall also be uploaded on the web site of DFCCIL i.e. www.dfcc.org.</p>

C. Preparation of Applications	
ITA 10.1	The language of the application as well as of all correspondence is: English
ITA 11.1 (d)	<p>The Applicant shall submit with its application, the following additional documents:</p> <ol style="list-style-type: none"> 1. Soft Copy of the PQ Application on one (1) set of a compact disc(s) in a non editable format. The compact disc shall bear the signature of the Authorized Signatory of the Applicant in indelible ink. 2. Submission of letter of intent (LOI) or joint venture / association agreement at the PQ stage , <ol style="list-style-type: none"> (i) LOI needs to specify the following <ol style="list-style-type: none"> (a) Identification of Lead Partner (from Japan) and endorsement about its having maximum financial stake amongst the other Partners. (b) Total share of Japanese Partners being more than 50% of the Contract amount. (c) joint and several liabilities of all the Partners (d) LOI requires to be signed by authourised signatories of all the Partners. <p>A format for LOI is enclosed at Form ELI 1.1 A in Section –IV.</p> (ii) In case of joint venture (JV) or association agreement, it shall clearly bring out the role of each Partner of the joint venture or association in addition to the requirements as specified in the LOI. However, submission of joint venture or association agreement is not a mandatory requirement at Pre-qualification stage and the same would be mandatory at the bidding stage. 3. An undertaking from each Sub-contractor / Sub-consultant proposed indicating its willingness to associate with the Applicant as a Sub-contractor/ Sub-consultant for the particular activity against which his credentials have been offered by the Applicant in the application for the Prequalification.

<p>ITA 14.1</p>	<p>The following para shall be added at the end of clause ITA 14.1</p> <ol style="list-style-type: none"> 1. The Applicant shall also submit Documentary evidence / Client's Certificates in support of the Applicant's claim of the Experience (General and Specific) in respect of each contract as included in Section IV, Application Forms. In case of the works / financial situations involving foreign currencies, the same shall be converted to USD by first converting it to Japanese Yen and then to USD by applying the foreign exchange rate as specified in Section III : Qualification Criteria and Requirements. 2. The experience certificate issued by the Engineer acting on behalf of the Client shall also be considered provided the documentary evidence, establishing the appointment of the said Engineer by the Client is also submitted along with the experience certificate issued by the said Engineer. For establishing the identity of such Engineer, alternatively, a self certification duly attested by Notary Public may also be furnished to establish that the said Engineer was appointed by the Client. <p>2.1 As a further alternative, in addition to the above, in case of PPP projects, the Concessionaire can give experience certificate to the Construction Contractor to which the execution work is subsequently awarded by the same Concessionaire. However such certificate will need to be countersigned by :</p> <ol style="list-style-type: none"> a) The concerned Public Authority who has granted the concession, clearly indicating the name, designation and official address of the signing authority <p style="text-align: center;">OR</p> <ol style="list-style-type: none"> b) Independent Engineer appointed by the concerned Public Authority who has granted the concession clearly indicating the name, designation and official address of the signing authority. The document(s) establishing the appointment of the said Independent Engineer shall also be required. <p style="text-align: center;">OR</p> <p>2.2 Alternatively, the Applicant shall submit a notarized set of documents comprising of</p> <ol style="list-style-type: none"> a) A Self certification of the work undertaken, period of execution, quantities and money value <p style="text-align: center;">&</p> <ol style="list-style-type: none"> b) Completion Certificate by the Concessionaire / Contractor as the case may be, clearly indicating : <ol style="list-style-type: none"> i) The subsequent award of work to the Applicant by Concessionaire / Contractor, as the case may be ii) Name, scope of work, period of completion and total cost of work, subsequently awarded to the Applicant iii) Period of execution (from date of start of work – date of completion) iv) Quantities of individual items in satisfaction of para 4.2 (b) and 4.3 (b) of Section III – Qualification Criteria and Requirements, clearly indicating the monetary equivalent of execution of each of aforementioned items (as mentioned under Para 4.2 (b) and 4.3 (b) of Section III – Qualification Criteria and Requirements)
<p>PQCTP-IDP209-3-V4.doc</p>	

- v) Total money paid to / received by the Applicant clearly indicating the revised value of the Contract
- vi) A clear averment to the effect that whether the work was completed / Taken Over or substantially completed in light of Para 4.2 (a) and 4.3 (a) of Section III - Qualification Criteria and Requirements
- c) In case the option of Para 2.2 above is exercised by the Applicant, then a documentary evidence establishing the identity of the Concessionaire / Contractor either by the Public Authority or by Independent Engineer engaged by the Public Authority is also required

Notes :

1. The quantities executed by the Applicant during a calendar year / financial year shall be assessed on pro-rata basis for the period from commencement of the project to the date of the Bill
 2. In case of any Applicant / Sub-contractor claims execution of certain work in order to fulfill eligibility criteria which has also been claimed by some other Applicant / Sub-contractor, that experience of work in question would not be aggregated while evaluating the eligibility of both the involved Applicants.
 3. The Documentation / Information produced / furnished by Applicant / Partners / Sub-contractor / Sub-design Consultant shall be subject to verification by the Employer at any stage during the PQ or the Bidding Process or during the Contract execution. In case of the incorrect certification / information being noticed during such verification, the Applicant shall be disqualified or suitable action taken as per the extent Contractual Provisions, as the case may be.
- 14.2 In addition to the details submitted by the Applicant in Section IV : Application Forms, the Applicant shall also prepare and submit a summary of his claimed experience vis-a-vis qualification criteria requirements, clearly explaining as to how the Applicant is meeting the qualification requirements in respect of each of the key activities . The suggested format for the same is as under

General Construction experience---- (4.1 of Section III)

<i>Sl. no.</i>	<i>Name of the Applicant/Partner</i>	<i>Name of the project</i>	<i>Role of the partner</i>	<i>Period</i>	<i>Reference page of the supporting document</i>

Specific Construction experience ---- (4.2(a) of Section III)										
<i>Sl. no.</i>	<i>Name of the Applicant/Partner</i>	<i>Name of the project</i>	<i>Role of the partner</i>	<i>Period</i>	<i>Contract amount (Million USD)</i>	<i>Field (Railways, Highways)</i>	<i>Whether Substantially Completed / Taken over</i>	<i>Reference page of the supporting document</i>		
Key Activity---- (4.2(b) , 4.3(a) & 4.3(b) of section III)										
<i>Sl. no.</i>	<i>Name of the Applicant/ Partner</i>	<i>Name of the project</i>	<i>Role of the partner</i>	<i>Period</i>	<i>Field (Railways, Highways,..)</i>	<i>Whether Substantially Completed/ Taken over</i>	<i>Total quantity</i>	<i>% share in case of work execute as JV partner</i>	<i>Claimed qty</i>	<i>Referen ce page of the supporti ng docume nt</i>
ITA 15	<p>The ITA 15.1 shall be replaced with the following</p> <p>The Applicant shall prepare one original of the documents comprising the application as described in ITA 11 and clearly mark it "ORIGINAL". The original of the application shall be typed or written in indelible ink and shall be signed by the Signatory Authorized to sign on behalf of Applicant as defined in ITA 4.1 (c) PDS.</p> <p>In addition to this, all the documents pertaining to the information and experience, as claimed by the Applicant, shall also be signed by the Authorized Signatory of the respective Partner / Sub-contractor/ Sub-consultant to whom the information and the claimed experience actually belongs to.</p>									
ITA 15.2	<p>In addition to the original, the number of copies to be submitted with the application is: three (3).</p>									
ITA 15	<p>Supplement ITA 15 with the following</p> <p>15.3 The Original and all the copies of Application shall be hard bound. Each page of the Application shall be serially numbered and indexed.</p>									

D. Submission of Applications	
ITA 16.3	<p>The Applicant shall clearly specify Contract Package Number on the covering Page of the Application Documents intending to apply for the following Package:</p> <p>Civil, Building and Track Works Package 3 (CT P-3)</p>
ITA 17.1	<p>For application submission purposes only, the Employer's address is:</p> <p>Attention: Mr. Dhanesh Gupta Floor/Room number: Room No. 505, 5th Floor, Pragati Maidan, Metro Station Building City: New Delhi ZIP Code: 1100011 Country: INDIA Telephone: +91-11-2337-9815 Facsimile number: +91-11-2345-4701 Electronic mail address: scc@dfcc.co.in The deadline for application submission is: Date 13-08-2012 Time: 15:00 hours, Indian Standard Time (IST)</p>
E. Procedures for Evaluation of Applications	
ITA 23.1	<p>The ITA 23.1 shall be replaced with the following</p> <p>Applicants planning to subcontract key activity of Mechanised track laying as identified in 4.2(b)(4) of Section III, Qualification Criteria and Requirements, shall specify in the Application Submission Form.</p> <p>Applicants shall clearly identify the proposed specialist Sub-contractor(s) in Forms ELI-1.2 and EXP (experience)-4.2(b) in Section IV: Application Forms. Such proposed specialist Subcontractor(s) shall meet the corresponding qualification requirements specified in Section III: Qualification Criteria and Requirements.</p> <p>Applicant shall also clearly identify the proposed specialist Sub-design Consultant in Form 4.3 (b) (if required) in respect of Design Experience. Such proposed specialist Sub-design Consultant shall meet the corresponding qualification requirements specified in Section III, Qualification Criteria and Requirements.</p>
ITA 23.2	<p>At this time the Employer does not intend to execute certain specific parts of the Works by subcontractors selected in advance (Nominated Subcontractors).</p>
F. Evaluation of Applications and Prequalification of Applicants	
ITA 24.1	<p>Supplement ITA 24.1 with the following</p> <p>“The Credentials of Associates, Parent Companies or Sister Companies shall not be considered unless they are part of joint venture / association.</p> <p>Both in case of 100% owned SPVs as well as subsidiaries, with respect to (a) Technology (b) Financials and (c) Intellectual Property Rights, the parent company can aggregate these for the purpose of qualification criteria so long as the parent company prepares a</p>

	<p>consolidated balance sheet that includes the financials of these subsidiaries and SPVs.</p> <p>However, this will not be permitted in case of clause no. 4.2(b) of Section III i.e. experience in key activities undertaken by subsidiaries (including 100% SPVs) will not qualify as experience of Parent Company unless the subsidiaries (including 100% SPVs) are also part of the Consortiums /Joint Venture/Association.</p> <p>Rules for Rounding off Numerical Values : While evaluating the quantitative credentials of the Applicant, the decimal values shall be rounded off to the next higher digit e.g a figure of say 14.1 shall be rounded off to 15 for evaluation purpose.”</p>
ITA 24.3	<p>For Para 4.2 (b) & 3.2 of Eligibility Criteria (Section III)</p> <p>In case of the Applicant is already pre-qualified for combined package CT P-1 and CT P-2 and is now applying for this package CT P-3, he would have to meet the combined eligibility criteria of CT P-1 and CT P-2 combined with CT P-3</p>
ITA 29	<p>Clause 29.1(a) to be replaced with</p> <p>“The pre-qualified Applicant, after the change, no longer meets the qualification criteria set forth in Section III - Qualification Criteria and Requirements; or”</p> <p>Add 29.1(c) as follows</p> <p>29.1(c) – the Employer shall not consider prequalification of any Applicant by omitting any ineligible partner / Sub-contractor/ Sub-consultant , included in the application for Prequalification..</p>

Section III - Qualification Criteria and Requirements

Notes on Qualification Criteria and Requirements

Section III, Qualification Criteria and Requirements contains all the methods, criteria, and requirements that the Employer will use to evaluate applications. The information to be provided in relation to each requirement and the definitions of the corresponding terms are included in the respective Application Forms.

DFCCIL requires bidders to be prequalified by precise minimum requirements. The method entails setting pass-fail criteria which, if not met by the Applicant, result in disqualification.

The criteria adopted relate to characteristics that are essential to ensure satisfactory execution of the contract. The criteria are also set so that they neither inhibit competition nor set a predetermined number of firms to be prequalified. All firms that meet the criteria shall be invited to bid.

The evaluation will be undertaken by DFCCIL with the assistance of the Engineering Consultant as described in ANNEXURE 1.

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Eligibility and Qualification Criteria		Compliance Requirements			Documentation		
No.	Subject	Requirement	Single Entity	Joint Venture or Association			Submission Requirements
				All Partners Combined	Each Partner	At Least One Partner	
1. Eligibility							
1.1	Nationality	Nationality in accordance with ITA Sub-Clause 4.2	Must meet requirement	Existing or intended joint venture / association must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments
1.2	Conflict of Interest	No conflicts of interest in ITA Sub-Clause 4.3	Must meet requirement	Existing or intended joint venture / association must meet requirement	Must meet requirement	N/A	Application Submission Form
1.3	JICA Ineligibility	Not having been declared ineligible by JICA, as described in ITA Sub-Clause 4.5	Must meet requirement	Existing joint venture / association must meet requirement	Must meet requirement	N/A	Application Submission Form

Eligibility and Qualification Criteria		Compliance Requirements			Documentation		
No.	Subject	Requirement	Single Entity	Joint Venture or Association			Submission Requirements
				All Partners Combined	Each Partner	At Least One Partner	
2. Historical Contract Non-Performance							
2.1	History of Non-Performing Contracts	Non-performance of a contract did not occur within the last two years prior to the deadline for application submission based on all information on fully settled disputes or litigation. A fully settled dispute or litigation is one that has been resolved in accordance with the Dispute Resolution Mechanism under the respective contract and where all appeal instances available to the Applicant have been exhausted.	Must meet requirement by itself or as partner to past or existing joint venture / association	N/A	Must meet requirement by itself or as partner to past or existing joint venture / association	N/A	Form CON-2
2.2	Pending Litigation	All pending litigation (including arbitration) shall in total not represent more than 50 % of the Applicant's net worth of the latest year and shall be treated as resolved against the Applicant.	Must meet requirement by itself or as a partner to past or existing joint venture / association	N/A	Must meet requirement by itself or as a partner to past or existing joint venture / association	N/A	Form CON – 2

Eligibility and Qualification Criteria		Compliance Requirements			Documentation		
No.	Subject	Requirement	Single Entity	Joint Venture or Association			Submission Requirements
				All Partners Combined	Each Partner	At Least One Partner	
3. Financial Situation							
3.1	Financial Performance	<p>Submission of audited balance sheets or if not required by the law of the Applicant's country, other financial statements acceptable to the Employer, for the last five (5) years to demonstrate the current soundness of the Applicant's financial position and its prospective long term profitability.</p> <p>As the minimum requirement, an Applicant's net worth calculated as the difference between total assets and total liabilities should be positive for total of five (5) years.</p> <p>(Note that the total liabilities include Long-Term and Short Term Liabilities)</p>	Must meet requirement	N/A	Must meet requirement	N/A	Form FIN – 3.1 with attachments
3.2	Average Annual Construction Turnover	<p>Minimum average annual construction turnover of US\$ 300 million ¹, calculated as total certified payments received for contracts in progress or completed, within the last five (5) years.</p> <p>Note :</p> <p>1: For average annual construction turnover, the turnover related to all activities consisting of building/ assembling /erection of physical assets, transportation infrastructure,</p>	Must meet requirement	Must meet requirement	Must meet 25% of the requirement	Must meet 40% of the requirement	Form FIN – 3.2

Eligibility and Qualification Criteria		Compliance Requirements			Documentation		
No.	Subject	Requirement	Single Entity	Joint Venture or Association			Submission Requirements
				All Partners Combined	Each Partner	At Least One Partner	
		manufacturing plants, pipe lines, power projects, transmission lines, steel structure, railway project, refineries etc.					
<p>Notes:</p> <p><u>3.1 Financial Performance</u>: Bidders will be required at the bidding stage to demonstrate their construction cash flow to verify the soundness and stability of their financial circumstances. The Bidders would be required to demonstrate capacity to meet the initial cash flow requirements for a maximum period of six months.</p> <p><u>3.2: Average Annual Construction Turnover</u></p> <p>1. The foreign exchange rate for conversion of any currency to JPY and subsequently to US\$ shall be TTS rate of the Bank of Tokyo Mitsubishi UFJ (BTMU) as on 29th June, 2012 irrespective of the due date for submission of PQ Application.</p>							

Eligibility and Qualification Criteria		Compliance Requirements			Documentation		
No.	Subject	Requirement	Single Entity	Joint Venture or Association			Submission Requirements
				All Partners Combined	Each Partner	At Least One Partner	
4. Experience							
4.1	General Construction Experience	Experience under construction contracts in the role of contractor, management contractor, or subcontractor, ¹ for at least the last five (5) years prior to the application submission deadline, and with activity in at least nine (9) months in each year.	Must meet requirement	Must meet requirement (for any year any partner to meet the requirement)	N/A	N/A	Form EXP – 4.1 With project description sheets including major work quantities
4.2 (a)	Specific Construction Experience	Experience exclusively in the role of Single entity (a Prime Contractor) or Partner in existing or past JV “, in at least a) Two (2) contracts of 150 million US\$ each or b) Three (3) contracts of 100 million US\$ each within the last ten (10) years, (prior to the application submission deadline) that have been Substantially Completed or have received Taking-over Certificate for whole of the Works as the result of successfully and substantially completed and that are similar to the proposed Works. The project shall be considered to have been Substantially Completed if the Applicant has received payment against the work done to the extent of 90% or more of the contract value. The similarity shall be based on the	Must meet requirement	Must meet requirement	N/A	N/A	Form EXP – 4.2 (a) With project description sheets including major work quantities

Eligibility and Qualification Criteria		Compliance Requirements			Documentation		
No.	Subject	Requirement	Single Entity	Joint Venture or Association			Submission Requirements
				All Partners Combined	Each Partner	At Least One Partner	
		<p>physical size, complexity, methods/technology or other characteristics as described in Section VI, Scope of Works.</p> <p>The Works pertaining to Railways, Highways, Sea/Air Ports, Dams/ Hydroelectric Power Projects (HPP), and Irrigation Projects shall only be considered. In addition to the above, the Building Works executed in Thermal Power Projects, Heavy Industries, Refineries shall also be considered.</p>					
4.2 (b)	Specific Construction Experience for Key Activities	For the above or other contracts executed during the period stipulated in 4.2 (a) above, a construction experience, as prime contractor, management contractor, or subcontractor, in the following key activities:					
		<p>(1) minimum 9×10^6 cu.m of earthfill in any one year (Calendar Year or Financial Year)</p> <p>(2) minimum 175,000 cu.m concrete of bridges/flyover/culverts in any one year (Calendar Year or Financial Year)</p> <p>(3) Building having total floor area of minimum 14,000 sq.m in any one year (Calendar Year or Financial Year</p> <p>(4) Minimum 110 km of mechanized</p>	Must meet requirements (can be a specialist subcontractor for track laying in which case the requirement to be met with by one single specialized Sub	Must meet requirements (can be a specialist subcontractor for track laying in which case the requirement to be met with by one single specialized Sub	N/A	N/A	Form EXP – 4.2 (b) With project description sheets including major work quantities

Eligibility and Qualification Criteria		Compliance Requirements			Documentation		
No.	Subject	Requirement	Single Entity	Joint Venture or Association			Submission Requirements
				All Partners Combined	Each Partner	At Least One Partner	
		track laying ² in any one year (Calendar Year or Financial Year)	Contractor)	Contractor)			
4.3 (a)	General Design Experience	<p>Experience exclusively in the role of prime contractor, subcontractor, design consultant or sub-design consultant, in at least two (2) design contracts of not less than US\$ 650,000 each within the last ten (10) years, that have been Substantially Completed or have received Taking-over Certificate for whole of the Works as the result of successfully and substantially completed and that are similar to the proposed Works.</p> <p>The project shall be considered to have been Substantially Completed if the Applicant has received payment against the work done to the extent of 90% or more of the contract value</p> <p>The similarity shall be based on the physical size, complexity, methods/technology or other characteristics as described in Section VI, Scope of Works.</p> <p>The Works pertaining to Railways, Highways, Sea/Air Ports, Dams/ Hydroelectric Power Projects (HPP), and Irrigation Projects shall only be considered. In addition to the above, the Building Works executed in Thermal Power Projects, Heavy Industries, Refineries shall also be</p>	Must meet requirement (can be a specialist sub-design consultant)	Must meet requirement (can be a specialist sub-design consultant)	N/A	N/A	Form EXP – 4.3 (a) With project description sheets including major work quantities

Eligibility and Qualification Criteria		Compliance Requirements			Documentation		
No.	Subject	Requirement	Single Entity	Joint Venture or Association			Submission Requirements
				All Partners Combined	Each Partner	At Least One Partner	
		considered.					
4.3 (b)	Specific Design Experience	For the above or other similar contracts executed during the period stipulated in 4.3 (a) above, a minimum design experience in the following key activities:					
		(1) Should have designed Railway / Highway alignment, embankment in similar nature (physical size, complexity and method forms (2) Should have designed at least 5 major bridges / Flyovers / ROBs / RUBs of similar nature as proposed.	Must meet requirements (can be a specialist sub-design consultant)	Must meet requirements (can be a specialist sub-design consultant)	N/A	N/A	Form EXP – 4.3 (b) With project description sheets including major work quantities
<p>Notes:</p> <p><u>4.1: General Construction Experience</u> 1. A management contractor is a firm which takes on the role of contract management as a “general” contractor of sort could do. It does not normally perform directly the construction work(s) associated with the contract. Rather, it manages the work of other (sub) contractors while bearing full responsibility and risk for price, quality, and timely performance of the work contract.</p> <p><u>4.2: Specific Construction Experience</u> 2. Mechanized Track Laying means: “Laying or relaying of rail panels of 260 meters or more welded by mobile / stationery / flash butt welding plant under control conditions in depots. Track Linking by use of portals, cranes, rail threader, track laying machines and use of tamping machines, dynamic track stabilizers, shoulder ballast compactors for making track fit for traffic movement.</p>							

Section IV. Application Forms

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Application Submission Form

Date: *[insert day, month, year]*
Reference ID No.: *[insert number, if any]*

To: *[insert full name of Employer]*

We, the undersigned, apply to be prequalified for the contract of referenced number and declare that:

- (a) We have examined and have no reservations to the Prequalification Documents, including Addendum(s) No(s)., issued in accordance with Instructions to Applicants (ITA) Clause 8:

[insert the number and issuing date of each addendum].

- (b) We, including any subcontractors or suppliers for any part of the contract resulting from this prequalification process, have nationalities from eligible countries of Japanese ODA Loans, in accordance with ITA Sub-Clause 4.2:

[insert the nationality of the Applicant, including that of all partners in case of a Joint Venture, and the nationality of each already identified subcontractor and supplier of related services, if applicable];

- (c) We, including any subcontractors or suppliers for any part of the contract resulting from this prequalification, do not have any conflict of interest, in accordance with ITA Sub-Clause 4.3;

- (d) We, including any subcontractors or suppliers for any part of the contract resulting from this prequalification, have not been declared ineligible by JICA, in accordance with ITA Sub-Clause 4.5;

- (e) We, in accordance with ITA Sub-Clause 23.1, plan to subcontract the following key activities and/or parts of the Works:

[insert any of the key activities identified in Section III- 4.2 (b) and Section III-4.3 which the Applicant intends to subcontract]

- (f) We understand that you may cancel the prequalification process at any time and that you are neither bound to accept any application that you may receive nor to invite the prequalified Applicants to bid for the contract subject of this prequalification, without incurring any liability to the Applicants, in accordance with ITA Clause 25.

-
- (g) We are seeking pre-qualification for Package CT P-3.
- (h) We attach herewith a check list of various submissions along with reference page numbers required as per the PQ Document.

Signed [insert signature(s) of an authorized representative(s) of the Applicant]

Name [insert full name of person signing the application]

In the capacity of [insert capacity of person signing the application]

Duly authorized to sign the application for and on behalf of:

Applicant's name [insert full name of Applicant]

Address [insert street number/town or city/country address]

Dated on [insert day number] day of [insert month], [insert year]

CHECK LIST

Sl. No.	Requirement	Reference Clause No. of PQ Document	Submitted or not	Reference Page No. of PQ Application
1.	Details of the Demand draft of Rs. 10,000/- or US\$ 200 in favour of DFCCIL towards the purchase of PQ Document	IFP 6 and IFP 10		
2	Letter of Intent to form joint venture or a joint venture / association agreement duly signed by all the Partner of the joint venture / association	ITA 4.1, Form-ELI-1.1, Section-V		
3	Undertaking from each partner of Applicant including their proposed Sub Contractors & Sub-Consultants regarding no conflict of interest	ITA 4.3 (PDS)		
4	An undertaking from the Applicant / each partner of the joint venture / association and proposed specialist sub-contractors for mechanized track laying and sub-design consultant for Design Work / suppliers regarding banning of business by Government of India	ITA 4.7 (PDS)		
5	Power of Attorney to one representative from the Lead partner duly signed by the authorized representative of all the partners of joint venture / association	ITA 4.1 (a) (PDS)		
6	Power of Attorney in respect of authorized representative of each partner of the joint venture / association	ITA 4.1 (c) (PDS)		
7	Soft Copy of PQ Application on one set of CD	ITA 11.1(d) (PDS)		
8	Original + 3 Copies of PQ Application	ITA 15.2 (PDS)		
9	Original and all Copies of PQ Application are hard bound, all pages serially numbered and indexed	ITA 15 (PDS)		
10	PQ Application signed by authorized representative of joint venture / association as well as authorized representative of the respective joint venture / association partner to whom the submitted information / claimed experience actually belongs to	ITA 15 (PDS)		
11	Application Information Form	Form ELI-1.1		
12	Article of incorporation of the Applicant/Lead	ITA-4.1, ITA -4.2		

	Partner	& Form ELI-1.1		
13	Applicant's Partner's Information Form	Form ELI-1.2		
14	Article of incorporation of all the partners of the joint venture or association including sub-contractor(s) and design consultant	ITA-4.1, ITA -4.2 & Form ELI-1.2		
15	Historical Contract Non Performance : (1-History of non performing contracts, 2-Pending litigation (including Arbitration)	Form CON-2		
16	Financial Situation (duly certified by independent Public / Chartered Accountant) in respect of each partner of the joint venture / association	Form FIN-3.1		
17	Copies of audited financial Statements for the last five financial Years in respect of each partner of the joint venture / association	Form FIN-3.1		
18	Average Annual Construction Turn over (duly certified by independent Public / Chartered Accountant) in respect of each partner of the joint venture / association	Form FIN-3.2		
19	General Construction Experience in respect of each partner of the joint venture / association duly supported by Experience Certificate issued by Client / Engineer / Concessionaire / Contractor	Form EXP-4.1		
20	Specific Construction Experience in respect of each partner of the joint venture / association duly supported by Experience Certificate issued by Client / Engineer / Concessionaire / Contractor	Form EXP-4.2(a)		
21	Specific Construction Experience in Key Activities in respect of each partner of the joint venture / association or specialist Sub-contractor duly supported by Experience Certificate issued by Client / Engineer / Concessionaire / Contractor	Form EXP-4.2(b)		
22	Similar design Experience (from Applicant or Specialist Sub Design Consultant) duly supported by Experience Certificate issued by Client / Engineer / Concessionaire / Contractor	Form EXP-4.3(a)		
23	Specific design Experience in key activities (from Applicant or Specialist Sub Design Consultant) duly supported by Experience Certificate issued by Client / Engineer / Concessionaire / Contractor	Form EXP-4.3(b)		

24	Summary of claimed experience in respect of : a) General Construction Experience (4.1 of Section-III), b) Specific Construction Experience (4.2(a) of section-III) c) Specific Construction Experience in Key Activities (4.2(b), 4.3(a) & (b) of Section-III)	ITA-14.1(PDS)		
25	Any Other Document as per the requirement of PQ Document			

Form ELI -1.1 Applicant Information Form

Date: *[insert day, month, year]*
Reference ID No.: *[insert number, if any]*
Page *[insert page number]* of *[insert total number]* pages

Applicant's legal name <i>[insert full legal name]</i>
In case of Joint Venture (JV), legal name of each partner: <i>[insert full legal name of each partner in JV]</i>
Applicant's actual or intended country of constitution: <i>[indicate country of Constitution]</i>
Applicant's actual or intended year of constitution: <i>[indicate year of Constitution]</i>
Applicant's legal address in country of constitution: <i>[insert street/ number/ town or city/ country]</i>
Applicant's authorized representative information Name: <i>[insert full legal name]</i> Address: <i>[insert street/ number/ town or city/ country]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers, including country and city codes]</i> E-mail address: <i>[indicate E-mail address]</i>
Attached are copies of original documents of <ul style="list-style-type: none"> <input type="checkbox"/> Articles of incorporation or documents of constitution, and documents of registration of the legal entity named above, in accordance with ITA 4.1 and 4.2. <input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITA 4.1 & 11.1 (d) (PDS) as per Form ELI-1.1.A.

Form ELI – 1.1A

Letter of Intent to Enter in to an Agreement

*(To be signed by all the Partners of joint venture or association)
(Reference Clause 4.1 (PDS) and 11.1 (d) (PDS))*

Mr. Dhanesh Gupta , GGM / PWC
Dedicated Freight Corridor Corporation of India Limited (DFCCIL)
Room No. 505, 5th Floor, Pragati Maidan Metro Station Building,
New Delhi – 110001, India

Subject : Pre-qualification for “Design and Construction of Civil, Building and Track Works for Double Line Railway involving Formation in Embankments/Cuttings, Bridges, Structures (Excluding Civil Works for Bridges and Formation in Embankment / Cutting and Structures in Approaches for 100m Length from Abutments on Both Sides of the Bridges across Rivers Mahi and Sabarmati), Buildings, Ballast on Formation, Track Work (including Ballast and Track Works on Bridges and Formation of Approaches For 100m Length from Abutments on Both Sides of the Bridges across Rivers Mahi and Sabarmati) including Testing and Commissioning on Design-Build Lump Sum Price Basis for Ikbargarh - Vadodara Section of Western Dedicated Freight Corridor Project – Civil, Building and Track Works Contract Package 3 (CT P-3)”

Dear Sir,

This is to inform you that :

1. We, the following entities

- a) ----- (name and address of Lead Partner)
- b) -----(name and address of Partner)
- c) -----(name and address of Partner)
- d) -----(name and address of Partner)

hereby express our intention that we are forming a joint venture / association under the name of ----- (if any), to participate in the Pre- qualification process of the subject work.

- 2. We nominate ----- as Lead Partner of our joint venture / association.
- 3. We undertake that the Lead Partner of our joint venture/association ----- (Name of the lead partner) shall have the maximum financial stake amongst the other partners of the joint venture / association.
- 4. We undertake that total share of the Japanese partners in our joint venture / association shall be more than 50% of the total contract amount.

5. The percentage participation amongst various partners of the joint venture / association for the subject project shall be as under:

Sl. No.	Name of the Partner	Role (Lead partner/ partner)	% Participation #

It is not mandatory for the Applicants to indicate the % Participation during the Pre-qualification Stage. However it shall be mandatory during the Bidding Stage.

6. In accordance with Clause ITA 4.1 (b) (PDS) of Section I, we shall be jointly and severally liable to DFCCIL for the execution of the Contract in accordance with the Contract Terms
7. In accordance with Clause ITA 4.2 (c) (PDS) of Section I, We shall nominate the following person as our authorized signatory who shall have the authority to conduct the business for and on behalf of our Joint venture / association during the prequalification process and , in the event of joint venture /association is prequalified, during the bidding process, and in the event the joint venture/association is awarded the Contract, during Contract execution

(Detailed information about authorized signatory)

Name,	Designation,	Address,	Tel/Fax no	E Mail ID
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8. In case we are pre-qualified, we shall be entering in to a detailed Joint Venture / Association Agreement at the time of submission of our Bid

Authorised Signatory
(Lead Partner)

Authorised Signatory
(Partner)

Authorised Signatory
(Partner)

Authorised Signatory
(Partner)

Form ELI -1.2 Applicant Partner Information Form

[The following form shall be filled in for the Applicant's partners including partner(s) of a joint venture, subcontractors, suppliers and other partners]

Date: *[insert day, month, year]*

Reference ID No.: *[insert number, if any]*

Page *[insert page number]* of *[insert total number]* pages

JV Applicant legal name: <i>[insert full legal name]</i>
Applicant Partner's legal name: <i>[insert full legal name of Applicant partners]</i>
Applicant Partner's country of registration: <i>[indicate country of registration]</i>
Applicant Partner's year of constitution: <i>[indicate year of constitution]</i>
Applicant Partner's legal address in country of constitution: <i>[insert street/ number/ town or city/ country]</i>
Applicant Partner's authorized representative information Name: <i>[insert full legal name]</i> Address: <i>[insert street/ number/ town or city/ country]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers, including country and city codes]</i> E-mail address: <i>[indicate E-mail address]</i>
Attached are copies of original documents of <input type="checkbox"/> Articles of incorporation or documents of constitution, and registration documents of the legal entity named above, in accordance with ITA 4.1 and 4.2.

Form CON – 2

Historical Contract Non-Performance

[The following table shall be filled in for the Applicant and for each partner of a Joint Venture]

Date: *[insert day, month, year]*
 Applicant's Legal Name: *[insert full name]*
 Applicant's Party Legal Name: *[insert full name]*
 Reference ID No.: *[insert number, if any]*
 Page *[insert page number]* of *[insert total number]* pages

1. History of Non-Performing Contracts

Non-Performing Contracts			
<input type="checkbox"/> Contract non-performance# did not occur during the <i>[number]</i> years specified in Section III, Qualification Criteria and Requirements, Para 2.1.			
<input type="checkbox"/> Contract(s) not performed during the <i>[number]</i> years specified in Section III, Qualification Criteria and Requirements, requirement 2.1			
Year	Non performed portion of contract	Contract Identification	Total Contract Amount (current value, US\$ equivalent)
<i>[insert year]</i>	<i>[insert amount and percentage]</i>	Contract Identification: <i>[indicate complete contract name, number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Reason(s) for non performance: <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>

The Contract non-performance means that the Contractor has not reneged on his contractual obligations against any contract during the last 2 years.

2. Pending Litigation (Including Arbitration)

Pending Litigation (Including Arbitration)			
<input type="checkbox"/> No pending litigation (including arbitration) in accordance with Section III, Qualification Criteria and Requirements, Para 2.2.			
<input type="checkbox"/> Pending litigation (including arbitration) in accordance with Section III, Qualification Criteria and Requirements, Para 2.2 as indicated below.			
Year	Outcome as Percentage of Net Worth for the latest year	Contract Identification	Total Contract Amount (current value, US\$ equivalent)
<i>[insert year]</i>	<i>[insert percentage]</i>	Contract Identification: <i>[indicate complete contract name, number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Matter in dispute: <i>[indicate main issues in dispute]</i>	<i>[insert amount]</i>

Note:

The foreign exchange rate for conversion of any currency to JPY and subsequently to US\$ shall be TTS rate of the Bank of Tokyo Mitsubishi UFJ (BTMU) as on 29th June, 2012 irrespective of the due date for submission of PQ Application.

Form FIN – 3.1 Financial Situation

[The following table shall be filled in for the Applicant and for each partner of a Joint Venture]

Date: *[insert day, month, year]*
 Applicant's Legal Name: *[insert full name]*
 Applicant's Party Legal Name: *[insert full name]*
 Reference ID No.: *[insert number, if any]*
 Page *[insert page number]* of *[insert total number]* pages

1. Financial data

Historic Information for Previous five (5) years, (US\$ Equivalent)				
Financial Year 1 (2006-2007)	Financial Year 2 (2007-2008)	Financial Year 3 (2008-2009)	Financial Year 4 (2009-2010)	Financial Year 5 (2010-2011)

Information from Audited Balance Sheet

Total Assets (TA)					
Total Liabilities (TL)					
Net Worth (NW)					
Current Assets (CA)					
Current Liabilities (CL)					

Information from Audited Income Statement

Total Revenue (TR)					
Profits Before Taxes (PBT)					
Profits After Taxes (PAT)					

Note:

1. The foreign exchange rate for conversion of any currency to JPY and subsequently to US\$ shall be TTS rate of the Bank of Tokyo Mitsubishi UFJ (BTMU) as on 29th June, 2012 irrespective of the due date for submission of PQ Application.
2. The above Form Fin – 3.1 shall be certified by the Independent Public or Chartered Accountant
3. The Applicant shall also attach the backup calculations in respect of each of the above figures duly referenced to the figures of the Annual Report / Financial Statement or any other relevant document submitted along with his PQ Application.

2. Financial documents

The Applicant and its partners shall provide copies of the balance sheets and/or financial statements for *[number]* years pursuant to Section III, Qualifications Criteria and Requirements, Para 3.1. The financial statements shall:

- (a) reflect the financial situation of the Applicant or partner to a JV, and not sister or parent companies.
 - (b) be audited by a certified accountant.
 - (c) be complete, including all notes to the financial statements.
 - (d) correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).
- Attached are copies of financial statements (balance sheets including all related notes, and income statements) for the five (5) financial years, as indicated above, and complying with the requirements.

Form FIN - 3.2

Average Annual Construction Turnover

[The following table shall be filled in for the Applicant and for each partner of a Joint Venture]

Date: *[insert day, month, year]*

Applicant's Legal Name: *[insert full name]*

Applicant's Party Legal Name: *[insert full name]*

Reference ID No.: *[insert number, if any]*

Page *[insert page number]* of *[insert total number]* pages

Annual Turnover Data (Construction only)			
Financial Year	Amount and Currency	Exchange Rate	US\$ Equivalent
Year 1 (2006-2007)	<i>[insert amount and indicate currency]</i>	<i>[insert applicable exchange rate]</i>	<i>[insert amount in US\$ equiv.]</i>
Year 2 (2007-2008)			
Year 3 (2008-2009)			
Year 4 (2009-2010)			
Year 5 (2010-2011)			
Average Annual Construction Turnover *			

* Average Annual Construction Turnover calculated as total certified payments received for work in progress or completed, divided by the number of years specified in Section III, Qualification Criteria and Requirements, Para 3.2.

Note:

1. The foreign exchange rate for conversion of any currency to JPY and subsequently to US\$ shall be TTS rate of the Bank of Tokyo Mitsubishi UFJ (BTMU) as on 29th June, 2012 irrespective of the due date for submission of PQ Application.
2. The above Form Fin – 3.2 shall be certified by the Independent Public or Chartered Accountant

Form EXP - 4.1 General Construction Experience

[The following table shall be filled in for the Applicant and for each partner of a Joint Venture]

Date: *[insert day, month, year]*
 Applicant's Legal Name: *[insert full name]*
 Applicant's Party Legal Name: *[insert full name]*
 Reference ID No.: *[insert number, if any]*
 Page *[insert page number]* of *[insert total number]* pages

[Identify contracts that demonstrate continuous construction work over the past [number] years pursuant to Section III, Qualification Criteria and Requirements, Para 4.1. List contracts chronologically, according to their commencement (starting) dates.]

General Construction Experience			
Starting Month / Year	Ending Month / Year	Contract Identification	Role of Applicant
<i>[indicate month/ year]</i>	<i>[indicate month/ year]</i>	Contract name: <i>[insert full name]</i> Brief description of the Works performed by the Applicant: <i>[describe Works performed briefly]</i> Name of Employer: <i>[indicate full name]</i> Address: <i>[indicate street/number/town or city/country]</i>	<i>[insert "Contractor" or "Subcontractor" or "Management Contractor"]</i>

Form EXP - 4.2(a) Specific Construction Experience

[The following table shall be filled in for contracts performed by the Applicant, each partner of a Joint Venture.]

Date: *[insert day, month, year]*
 Applicant's Legal Name: *[insert full name]*
 Applicant's Party Legal Name: *[insert full name]*
 Reference ID No.: *[insert number, if any]*
 Page *[insert page number]* of *[insert total number]* pages

Fill up one (1) form per contract.

Contract of Similar Size and Nature	
Similar Contract No. <i>[insert number] of [insert number of similar contracts required]</i>	Information
Contract Identification	<i>[insert contract name and Reference ID number, if</i>
Award Date	<i>[insert day, month, year, i.e., 15 June, 2015]</i>
Completion Date	<i>[insert day, month, year, i.e., 03 October, 2017]</i>
Role in Contract	Prime Contractor , Contractor as JV Partner
Total Contract Amount	<i>[insert total contract amount in US\$]</i>
If partner in a JV, specify participation in total contract amount	<i>[insert a percentage amount]</i> <i>[insert total contract amount in US\$]</i>
Employer's Name:	<i>[insert full name]</i>
Address:	<i>[indicate street / number / town or city / country]</i>
Telephone/Fax Number:	<i>[insert telephone/fax numbers, including country and city area codes]</i>
E-mail:	<i>[insert E-mail address, if available]</i>

Form EXP - 4.2(a) (cont.) Specific Construction Experience (cont.)

Similar Contract No. <i>[insert number] of [insert number of similar contracts required]</i>	Information
Description of the similarity in accordance with Para 4.2(a) of Section III:	
1. Amount	<i>[insert amount in US\$]</i>
2. Physical Size	<i>[insert physical size of activities]</i>
3. Complexity	<i>[insert description of complexity]</i>
4. Methods/Technology	<i>[insert specific aspects of the methods/ technology involved in the contract]</i>
5. Other Characteristics	<i>[insert other characteristics as described in Section VI, Scope of Works]</i>

Note:

The foreign exchange rate for conversion of any currency to JPY and subsequently to US\$ shall be TTS rate of the Bank of Tokyo Mitsubishi UFJ (BTMU) as on 29th June, 2012 irrespective of the due date for submission of PQ Application.

Form EXP - 4.2(b)

Specific Construction Experience in Key Activities

Date: *[insert day, month, year]*
 Applicant's Legal Name: *[insert full name]*
 Applicant's Party Legal Name: *[insert full name]*
 Subcontractor's Legal Name (as per ITA 23.1) *[insert full name]*
 Reference ID No.: *[insert number, if any]*
 Page *[insert page number]* of *[insert total number]* pages

Fill up one (1) form per contract.

1. Key Activity No. (1) _____: *[insert brief description of the Activity, emphasizing its specificity]*

Contract with Similar Key Activities			
Item	Information		
Contract Identification	<i>[insert contract name and number, if applicable]</i>		
Award Date	<i>[insert day, month, year, i.e., 15 June, 2015]</i>		
Completion Date	<i>[insert day, month, year, i.e., 03 October, 2017]</i>		
Role in Contract <i>[check the appropriate box]</i>	Prime Contractor <input type="checkbox"/>	Management Contractor <input type="checkbox"/>	Subcontractor <input type="checkbox"/>
Total Contract Amount	<i>[insert total contract amount in US\$]</i>		
If partner in a JV or subcontractor, specify participation of total contract amount	<i>[insert a percentage amount]#</i>	<i>[insert total contract amount in US\$]</i>	
Employer's Name:	<i>[insert full name]</i>		
Address:	<i>[indicate street / number / town or city / country]</i>		
Telephone/Fax Number:	<i>[insert telephone/fax numbers, including country and city area codes]</i>		
E-mail:	<i>[insert E-mail address, if available]</i>		

The Applicant shall submit the documentary evidence regarding its Percentage of participation in the JV for the claimed project towards Specific Construction Experience.

2. Key Activity No. (2) _____
3. Key Activity No. (3) _____
4. Key Activity No. (4) _____

Form EXP - 4.2(b) (cont.)

Specific Construction Experience in Key Activities

Information:

	Description of the Key activities in accordance with Para 4.2(b) of Section III:	[insert response to inquiry indicated in left column]
1	Maximum volume of earthfill in Formation including Blanketing in cubic meter in any one year (<u>Calendar Year or Financial Year</u>) during last 10 years a) Year b) Earthwork	
2	Maximum Concreting in Bridges / Flyovers / Culverts in cubic meter in any one year (<u>Calendar Year or Financial Year</u>) during last 10 years. a) Year b) Concreting	
3	Maximum Building Work in any one year (<u>Calendar Year or Financial Year</u>) in last 10 years. a) Year b) Building Work	
4	Maximum Mechanised Track Laying Work in any one year (<u>Calendar Year or Financial Year</u>) in last 10 years. a) Year b) Mechanised Track Laying Work	

Form EXP - 4.3(a)

Similar Design Experience

[The following table shall be filled in for contracts performed by the Applicant, each partner of a Joint Venture, and specialist subcontractors.]

Date: *[insert day, month, year]*
 Applicant's Legal Name: *[insert full name]*
 Applicant's Party Legal Name: *[insert full name]*
 Reference ID No.: *[insert number, if any]*
 Page *[insert page number]* of *[insert total number]* pages

Fill up one (1) form per contract.

Contract of Similar Size and Nature				
Similar Contract No. <i>[insert number] of [insert number of similar contracts required]</i>	Information			
Contract Identification	<i>[insert contract name and Reference ID number, if applicable]</i>			
Award Date	<i>[insert day, month, year, i.e., 15 June, 2015]</i>			
Completion Date	<i>[insert day, month, year, i.e., 03 October, 2017]</i>			
Role in Contract	Prime Contractor, Contractor as JV Partner, Design Consultant, Sub Design Consultant			
Total Contract Amount	<i>[insert total contract amount in US\$]</i>			
If partner in a JV or subcontractor, specify participation in total contract amount	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><i>[insert percentage amount]</i></td> <td style="width: 5%; border: none; text-align: center;">a</td> <td style="width: 45%; border: none;"><i>[insert total contract amount in US\$]</i></td> </tr> </table>	<i>[insert percentage amount]</i>	a	<i>[insert total contract amount in US\$]</i>
<i>[insert percentage amount]</i>	a	<i>[insert total contract amount in US\$]</i>		
Employer's Name:	<i>[insert full name]</i>			
Address:	<i>[indicate street / number / town or city / country]</i>			
Telephone/Fax Number:	<i>[insert telephone/fax numbers, including country and city area codes]</i>			
E-mail:	<i>[insert E-mail address, if available]</i>			

Form EXP - 4.3(a) (cont.) Similar Design Experience (cont.)

Similar Contract No. <i>[insert number] of [insert number of similar contracts required]</i>	Information
Description of the similarity in accordance with Para 4.3(a) of Section III:	
1. Amount	<i>[insert amount in US\$]</i>
2. Physical Size	<i>[insert physical size of activities]</i>
3. Complexity	<i>[insert description of complexity]</i>
4. Methods/Technology	<i>[insert specific aspects of the methods/ technology involved in the contract]</i>
5. Other Characteristics	<i>[insert other characteristics as described in Section VI, Scope of Works]</i>

Note:

The foreign exchange rate for conversion of any currency to JPY and subsequently to US\$ shall be TTS rate of the Bank of Tokyo Mitsubishi UFJ (BTMU) as on 29th June, 2012 irrespective of the due date for submission of PQ Application.

Form EXP - 4.3(b)

Specific Design Experience in Key Activities

Date: *[insert day, month, year]*
 Applicant's Legal Name: *[insert full name]*
 Applicant's Party Legal Name: *[insert full name]*
 Subcontractor's Legal Name (as per ITA 23.1) *[insert full name]*
 Reference ID No.: *[insert number, if any]*
 Page *[insert page number]* of *[insert total number]* pages

Fill up one (1) form per contract.

1. Key Activity No. (1) _____: *[insert brief description of the Activity, emphasizing its specificity]*

Contract with Similar Key Activities			
Item	Information		
Contract Identification	<i>[insert contract name and number, if applicable]</i>		
Award Date	<i>[insert day, month, year, i.e., 15 June, 2015]</i>		
Completion Date	<i>[insert day, month, year, i.e., 03 October, 2017]</i>		
Role in Contract <i>[check the appropriate box]</i>	Prime Contractor <input type="checkbox"/>	JV Partner <input type="checkbox"/>	Subcontractor <input type="checkbox"/>
Total Contract Amount	<i>[insert total contract amount in US\$]</i>		
If partner in a JV or subcontractor, specify participation of total contract amount	<i>[insert a percentage amount]</i>	<i>[insert total contract amount in US\$]</i>	
Employer's Name:	<i>[insert full name]</i>		
Address:	<i>[indicate street / number / town or city / country]</i>		
Telephone/Fax Number:	<i>[insert telephone/fax numbers, including country and city area codes]</i>		
E-mail:	<i>[insert E-mail address, if available]</i>		

2. Key Activity No. (2) _____

Form EXP - 4.3(b) (cont.) Specific Design Experience in Key Activities

Information (In respect of each of the claimed experience):

	Description of the key activities in accordance with Para 4.3(b) of Section III:	[insert response to inquiry indicated in left column]
1	a) Adequate design capability for design of Railway / Highway Alignment – Software availability or access to and experience of using it for alignment design. b) Description of design work for design of Railway/ Highway alignment carried out in last 10 years c) Nature of the Project for which design was carried out comparable to the present project i.e physical size, complexity and method forms	
2	a) Adequate design capability for design of Embankment of Railway or Highway – Availability of required software for design of embankment or access to it and experience of using it. b) Description of design work carried out for embankment for Railway / Highway during last 10 years. c) Nature of the Project for which design was carried out comparable to the present project i.e physical size, complexity and method forms	
3	a) Adequate design capability for design of Bridges / Flyovers / ROBs / RUBs - Availability of required software for design or access to it and experience of using it. b) Description of design work carried out for Bridges / Flyovers / ROBs / RUBs during last 10 years. c) Number of Bridges / Flyovers / ROBs / RUBs designed <ul style="list-style-type: none"> i. Year ii. No. of Bridges / Flyovers / ROBs / RUBs designed along with length of the structure, no. of Spans and Span length d) Nature of the Project for which design was carried out comparable to the present project i.e physical size, complexity and method forms	

Section V. List of Eligible Countries of Japanese ODA Loans

Eligibility for the Provision of Goods, Works and Services in JICA-Financed Procurement

- (1) The Eligible Nationality of the Supplier(s)/ Applicant and all partners constituting the Applicant shall be the following:
 - (a) Japan in the case of the prime contractor; and
 - (b) All countries and areas in the case of the sub-contractor(s).
- (2) With regard to (1) above, in case where the prime contractor is a joint venture, such joint venture will be eligible provided that the nationality of the lead partner is Japan, that the nationality of the other partners is Japan and/or India and that the total share of work of Japanese partners in the joint venture is more than fifty percent (50%) of the contract amount.
- (3) With regard to (1) and (2) mentioned above,
 - (a) For goods and services, (i) the prime contractor or, in the case of a joint venture, the lead partner and other partners regarded as the Japanese partners shall be nationals of Japan or juridical persons incorporated and registered in Japan, and which have their appropriate facilities for producing or providing the goods and services in Japan and actually conduct their business there; and (ii) in the case of a joint venture, the partners except Japanese partners shall be nationals of India or juridical persons incorporated and registered in Japan or India, and which have their appropriate facilities for producing or providing the goods and services in Japan or India and actually conduct their business there.
- (4) Procurement of the following components from Japan is mandatory under this Package;
 - Head Hardened Rails for the entire stretch of Main Line and Points & Crossings
- (5) With regard to the goods procured from the eligible local manufacturing company(ies) (hereinafter referred to as “the Eligible Local Manufacturing Company(ies)”) invested by Japanese companies can be regarded and counted as Japanese origin if such Eligible Local Manufacturing Company(ies) satisfy(ies) the following conditions:
 - (i) Juridical persons incorporated and registered in India, and which have their appropriate facilities for producing or providing the goods and services in India and actually conduct their business there;
 - (ii) Not less than 10 % of shares are held by a single Japanese Company; and
 - (iii) The proportion of the shares held by the Japanese company mentioned in (ii) above (or the company having the largest share among Japanese companies if more than one Japanese

company meet the condition stated in (ii) above) is the same as or greater than that of the shares held by any company of a third country.

- (6) With regard to the goods procured from the eligible development partners' manufacturing company(ies) (hereinafter referred to as "the Eligible Development Partners' Manufacturing Company(ies)") invested by Japanese companies can be regarded and counted as Japanese origin if such Eligible Development Partners' Manufacturing Company(ies) satisfy(ies) the following conditions:
- (i) Juridical persons incorporated and registered in a country or area on DAC List of ODA Recipients effective at the time of conclusion of the Loan Agreement and which have their appropriate facilities for producing or providing the goods and services in the country or area and actually conduct their business there;
 - (ii) Not less than one-third of shares are held by a single Japanese Company; and
 - (iii) The proportion of the shares held by the Japanese company mentioned in (ii) above (or the company having the largest share among Japanese companies if more than one Japanese company meet the condition stated in (ii) above) is the same as or greater than that of the shares held by any company of a third country.

PART 2 – Works Requirements

Section VI. Scope of Works

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1. Description of the Works

Project Background

With an objective to augment the freight transport capacity and to support the rapid economic growth along the “Golden Quadrilateral” in India linking major urban centres of Mumbai, Delhi, Kolkata and Chennai, the Government of India (hereinafter referred to as “GOI”) has received an ODA (Official Development Assistance) Loan from the Government of Japan (hereinafter referred to as “GOJ”) for the development of the Dedicated Freight Corridor Project (Western Corridor).

In July 2005, GOI officially requested GOJ for the execution of Japan’s technical cooperation to assess the Feasibility Study on the development of Dedicated Freight Corridors for Delhi-Mumbai (Western Corridor) and Ludhiana - Sonnagar (Eastern Corridor) in India (hereinafter referred to as “JICA F/S”). The objective of JICA F/S was to review the Preliminary Engineering cum Traffic Study (hereinafter referred to as PETS) and Final Location Survey (hereinafter referred to as FLS) of DFC that was prepared by the GOI.

Subsequent to the JICA F/S Study completed in 2007, the GOI approached the GOJ for an ODA Loan under Special Terms for Economic Partnership (hereinafter referred to as “STEP”) Scheme. In response, the GOJ, through JICA, extended loan assistance to the GOI by concluding Loan Agreements in October 2009 and March 2010 for engagement of Engineering Service consultants and for implementation of the Phase 1 Project (Western DFC between Rewari & Vadodara), respectively. The present Pre-qualification for the stretch between Ikbargarh - Vadodara of length 297 km is a part of Phase 1 between Rewari – Vadodara of total 922 km. Further information related to the Project and DFCCIL is available at their WEB home page (<http://dfccil.org>).

In order to meet over all 30% STEP obligation under the Loan Agreement, MOR has considered utilization of Japanese Head Hardened Rails for the entire stretch of Main Line and Points & Crossings as mandatory.

1.0 General

1.1 The Dedicated Freight Corridor (DFC) Project

- 1.1.1 Ministry of Railways (MOR), Government of India has planned to construct a High Axle Load Dedicated Freight Corridor (DFC) covering about 3330 route kilometers on Eastern and Western Corridors. The coverage of Eastern Corridor is from Ludhiana to Dankuni and Western Corridor is planned from Jawaharlal Nehru Port, Mumbai to Rewari/Tughlakabad/Dadri near Delhi. There will be a linkage between two corridors at Khurja.
- 1.1.2 The project entails construction of mostly double-track electrified railway lines. The bridges and other structures will be designed to allow movement of 32.5 tonne axle load while the track structure will be designed for 25 tonne axle load operating at train speed of up to 100 Kmph. The Eastern Corridor will handle single stack containers whereas Western Corridor is planned to cater to double stack containers. Up gradation of transportation technology, increase in productivity and reduction in unit transportation costs have been taken as guiding

principles for formulating the project. Various operating systems, motive powers, signaling and work processes are required to conform to these broad perspectives.

2.0 Western Dedicated Freight Corridor Alignment

2.1 Western DFC Route will be approximately 1,506 Km long from Jawaharlal Nehru Port, Mumbai to Rewari/Tughlakabad/Dadri near Delhi via Vasai-Surat-Vadodara-Ahmedabad-Palanpur-Ajmer-Rewari. Proposed alignment of WDFC has been generally kept parallel to existing Indian Railway line except provision of detours at Vadodara, Ahmedabad, Palanpur and Phulera.

2.2 The Western Dedicated Freight Corridor (WDFC) alignment passes through five states viz. Maharashtra, Gujarat, Rajasthan, Haryana and Uttar Pradesh. It traverses Thane district in Maharashtra State, Valsad, Navsari, Surat, Bharuch, Vadodara, Anand, Ahmedabad, Gandhinagar, Mehsana, Patan and Palanpur districts in Gujarat, Shirohi, Pali, Ajmer, Jaipur, Sikar, Jhunjhunu and Churu districts in Rajasthan, Mahendragarh and Rewari districts in Haryana, Alwar district in Rajasthan again, and Mewat and Faridabad districts in Haryana, and Guatambudh Nagar districts in Uttar Pradesh.

3.0 Dedicated Freight Corridor Corporation of India Limited

3.1 Dedicated Freight Corridor Corporation of India Ltd. (DFCCIL), a public sector company, has been set up under the Indian Companies Act 1956 for implementation of Dedicated Freight Corridor Project. Government of India is the sole shareholder of the DFCCIL.

4.0 Funding for the Project

4.1 922 km out of 1,506 km of Western Dedicated Freight Corridor (WDFC) from Vadodara to Rewari is being financed by the Japan International Cooperation Agency (JICA). The route alignment of WDFC indicating the corridor length being funded by JICA is attached as Annexure 2. The present stretch between Ikbargarh and Vadodara of length 297 km is a part of Phase 1 between Rewari – Vadodara of total 922 km.

5.0 Project Phasing

5.1 The implementation of WDFC in the JICA funded portion of the project is planned in a phased manner. In the first phase 922 km long stretch between Vadodara and Rewari Section shall be constructed (Phase I). The balance stretch of 425 km from Mumbai to Vadodara, 127 km from Rewari to Dadri and 32 km from Pirthala to Tughlakabad (single line) will be constructed in the second phase (Phase II). The stretch of 297 km between Ikbargarh - Vadodara out of total 922 km of Phase 1 between Rewari – Vadodara is covered under Package 3 (CT P-3) for which the present Pre-qualification is planned.

5.2 The Scope of Work for Package 3 (CT P-3) (between Ikbargarh and vadodara) shall exclude the design & construction of Special Steel Bridges across rivers Mahi and Sabarmati along with approaches of 100m length from abutments on both sides of the Bridges and pre-qualification process for which has already been initiated under Package 3A (CT P-3A). However the trackwork for the Package 3A shall be included in the Scope of Work for Package 3 (CT P-3).

5.3 The balance stretch of 625Km between Rewari to Ikalgarh has been planned under Package 1 (CT P-1) & Package 2 (CT P-2) and Bidding process for which has also been initiated.

Project Information of Phase – I : Vadodara – Rewari Section

6.0 Contract Strategy – Phase I

6.1 Implementation of Phase I of WDFC consists of three Design & Build Contracts incorporating Civil, Building and Track Works Contracts, one Design & Build Contract for construction of Special Steel Bridges across rivers Mahi and Sabarmati including approaches of 100m length from abutment from both sides and four separate Design & Built Contract Packages for system works, procurement of plant & equipment and locomotives. The Project contract packages are described below.

Package ID No.	Contract Package	Selection Method
CT P-1	Civil, Building and Track Works (Rewari – Ajmer)	Japan-tied (STEP)
CT P-2	Civil, Building and Track Works (Ajmer – Ikalgarh)	Japan-tied (STEP)
CT P-3	Civil, Building and Track Works (Ikalgarh – Vadodara), (excluding bridges across rivers Mahi and Sabarmati and approaches of 100m length from abutment on both sides of bridges)	Japan-tied (STEP)
CT P-3A	Special Steel Bridges across rivers Mahi and Sabarmati including approaches of 100m length from abutment on both sides	Japan-tied (STEP)
EM P-4	Electrical & Mechanical (E&M) Works (Rewari – Vadodara)	Japan-tied (STEP)
ST P-5	Signal and Telecommunication (S&T) Works (Rewari – Vadodara)	Japan-tied (STEP)
PE P-6	Plant and Equipment (P&E) for Operation and Maintenance	Japan-tied (STEP)
RS P-7	Procurement-cum-Maintenance of Electric Locomotives and construction of a new Maintenance Depot and facilities for Electric Locomotives	Japan-tied (STEP)

6.2 The current Prequalification exercise is to identify suitable Bidders for the Civil, Building and Track Works Contract Package designated as Package CT P-3.

6.3 The Bidding process for Civil, Building and Track Works Contracts Packages designated as Packages CT P-1 & CT P-2 and Pre-qualification process for Special Steel Bridges across rivers Mahi and Sabarmati designated as Package CT P-3A has already been initiated.

6.4 The Systems Contract for Packages EM P-4, ST P-5, PE P-6 and RS P-7 are likely to be procured after processing the award of all Civil, Building and Track Works Contracts Packages and Contract Package for Special Steel Bridges across rivers across rivers Mahi & Sabarmati .

7.0 Pre-qualification of Bidders – Phase I

7.1 This Prequalification Document is issued for Civil, Building and Track Works Contracts designated as “Contract Package CT P-3” for:

“Design and Construction of Civil, Building and Track Works for Double Line Railway

involving Formation in Embankments/Cuttings, Bridges, Structures (Excluding Civil Works for Bridges and Formation in Embankment / Cutting and Structures in Approaches for 100m Length from Abutments on Both Sides of the Bridges across Rivers Mahi and Sabarmati), Buildings, Ballast on Formation, Track Work (including Ballast and Track Works on Bridges and Formation of Approaches For 100m Length from Abutments on Both Sides of the Bridges across Rivers Mahi and Sabarmati) including Testing and Commissioning on Design-Build Lump Sum Price Basis for Ikalgarh - Vadodara Section of Western Dedicated Freight Corridor Project”

8.0 Alignment of Ikalgarh – Vadodara Section

8.1 Ikalgarh – Vadodara stretch of the alignment consists of two parts viz. Ikalgarh – Pansar and Pansar – Vadodara (Makarpara)

- The alignment between Ikalgarh and Pansar (140km approximately) is located along Ikalgarh – Palanpur - Jagudam - Pansar lines of North Western Railway. The Ikalgarh – Jagudam stretch of the alignment runs on Eastern side of North Western Railway whereas the Jagudam – Pansar of the alignment runs on Western side of North Western Railway.
- The alignment between Pansar and Vadodara (Makarpara) (157 km approximately) takes detours from the existing North Western Railway tracks

9.0 Scope of Works of Phase I: Ikalgarh – Vadodara Section

9.1 General

- (1) The first phase of the western section of the Dedicated Freight Corridor, between Vadodara and Rewari for a length of 922km is to be constructed as double line electrified track with 2 x 25 kV AC, 50 Hz, overhead catenary system, capable of operating at a maximum train speed of 100km/h with an initial axle load of 25.0 tonnes. Formation and bridge structure are to be provided for 32.5 tonnes axle load and track structure for 25 tonnes axle load.
- (2) The total length of the line between Ikalgarh and Vadodara (Makarpara) is approximately 297 km.
- (3) Construction of two special steel bridges including approaches of 100m length from abutments on both sides of the bridges across river Mahi (at Chainage 161 / 362 Km in Sector 5, near Vadodara) and river Sabarmati (at Chainage 61 / 894 in Sector 7, near Ahmedabad) on the detoured alignment between Pansar and Vadodara (Makarpara) in the Ikalgarh – Vadodara section has been planned to be taken up under separate package (Package CT P-3A) and is excluded from the Scope of Work of Package 3. However the track work for the Package CT P-3A shall be included in the Scope of Work for Package CT P-3. The approximate length of the bridges across rivers Mahi and Sabarmati are 585m and 536m respectively.
- (4) The Contractor shall undertake the design, construction, manufacture, supply, installation, testing and commissioning of the Civil, Structures, Buildings and Track works including and without limitation, the design, construction and removal of any Temporary Works.

- (5) In addition, the Contractor shall undertake the rectification of defects appearing in the Permanent Works in the manner and to the standards within the time stipulated in the Contract.
- (6) In full recognition of these objectives and with full acceptance of the obligations, the Contractor shall execute the Works taking into account all liabilities in accordance with the Contract.
- (7) The system design and its installation to be carried out through other Contracts which includes electrification of the line, new signaling and control systems, new telecommunication system, SCADA control system and procurement of electric locomotives and construction of depot.
- (8) The design of all the works will be operationally compatible with the other Indian Railways (IR) sections connecting to the DFC.
- (9) The Employer may decide to take over the constructed sections from the Contractor in a phased manner as per the Contract.
- (10) The Civil, Building and Track Works Contractor for Package CT P-3 shall undertake interface coordination with the Other Contractors, who shall be carrying out works forming part of this Project. There will be a continuous requirement of coordination between the two in respect of design of cable trenching, masts for overhead electrification, interlocking of points and crossings, level of bridge deck for the bridges across rivers Mahi & Sabarmati, construction of facilities for maintenance, other allied structures and subsequently during the installation of signaling and traction power systems and trial operation of locomotives.

9.2 Permanent Works

The permanent works shall comprise of but not limited to the design, construction, manufacture, supply, installation, testing and commissioning of:

- a) Track substructure including drainage, embankments, cuttings, blanketing, ballast, bridges (major/minor), underpasses, overpasses, etc.;
- b) Track superstructure including but not limited to setting out, benchmarking, rail and sleepers with fastenings, rail slab where necessary, turnouts, buffer stops, expansion joints, track signage, level crossing, road signage, etc.;
- c) Road overpasses and underpasses including approach ramps, substructures, surfacing, drainage facilities, guardrails and lighting in urban areas;
- d) Road connections for the roads affected by the railway line and relevant facilities;
- e) Remodeling of Level Crossing Gates and duty huts of Existing Indian Railways Network located on DFCC alignment;
- f) Platforms including drainage, fencing, pavement, etc.;

- g) Junction Stations and Crossing Stations with buildings and yard complexes including fencing, drainage, sewerage, craneage, and safety equipment;
- h) On-duty points for maintenance staff including fencing, buildings, drainage, sewerage, offices, stores, heating, craneage, lighting, E&M services and car parking, office equipment and furniture as kitchenware, bathrooms, beds etc., installation and safety equipment;
- i) Fencing to stations;
- j) Sign boards;
- k) Relocation of electric lines of 33 kV or less within the ROW; and
- l) Any other activity connected with the construction and commissioning of railways.

10.0 Salient Engineering Features/Performance Specifications

The indicative engineering features/performance specifications of the works are as given under:-

Project Features (Phase 1)

No.	Description	Details of Western Corridor (Ikalgarh – Vadodara Section)
0	Alignment	
		Ikalgarh – Palanpur - Jagudam - Pansar – Vadodara (Makarpura)
1	Route length	
	- Total Length	297 km
2	Gradient	
	- Ruling gradient	1 in 200 (5/1000)
	- Steepest gradient in yards	1 in 1200 (0.83/1000) 1 in 400 (2.5/1000) exceptional case
3	Standards of construction	
	- Gauge	1,676 mm
	- Rails	a) Head Hardened Rails (60 kg/m) (procured from Japan) for the entire stretch of Main Line and Points and Crossings b) For rest of the locations – 60kg/m UIC/90 UTS rail
	- Sleepers	PSC 1660 nos./km density for main line, 1,540 nos./km density for loop line & sidings
	- Points & crossings	60 kg rails, 1 in 12 with thick-web curved switches and CMS crossings on PSC fan shaped sleepers Minor loop lines and non-running lines, 1 in 8 1/2 turnout
	- Ballast	350 mm cushion
	- Maximum train speed	100 km/h
- Type of traffic and axle load	Double stack container movement with 25 tonne axle load	

No.	Description	Details of Western Corridor (Ikbargarh – Vadodara Section)
Formation (Detour Route)		
4	- Bank width for double line	13.5 m
	- Slope of embankment	2H: 1V
	- Cutting width for double line	15.9 m (12.9 m+1.5 m extra for each side for side drains)
	- Slope of cutting	1:1
	- Blanketing	0.60 m depth
Curves		
5	- Maximum degree of curvature	2.5 degree curve (700 m radius)
	- Curve compensation	At the rate of 0.04 % per degree of curvature
Moving dimensions		
6	- Vertical MMD	7.1 m for DSC
Vertical SOD		
7		8.43/8.05 m for DSC
Track centres		
8	Between two tracks of DFC	6.0 m
	Between existing track and DFC	7.0 m (normal) 6.0 m (exceptional)
Bridges		
9	- Standard of loading	32.5 tonne axle load, 12.13 tonne/m trailing load
	- Total nos. of important bridges	4 nos. (total length 1071m)
	Total nos. of Viaducts	----
	- Total nos. of major bridges	121 nos. (total length 3788m)
	- Total nos. of minor bridges	285 nos. (total length 1160m)
	- Total nos. of pedestrian subways	23 nos.
Road crossings		
10	- Total nos. of Railway Crossing	6 nos.
	- Total nos. of Road Over Bridges (ROB)	2 nos.
	- Total nos. of Road Under Bridges (RUB)	237 nos.
Rail flyover		
11	- Total nos. of rail flyover	11 nos. (total length 235m)
Stations		
12	- Crossing stations Double line	5 stations
	- Junction stations	4 stations
	- Terminal stations	0 stations
Tunnel		
13	- Number of tunnels	0

No.	Description	Details of Western Corridor (Ikalgarh – Vadodara Section)
Detour Route		
14	- Total length of Detour Route	157 km (approximately) (Pnsar – Vadodara)
Signalling System		
15	- Type of signalling	Automatic signalling with TPWS
	- Section length on double line	2 km between stations
Train Traction System		
16	- Type of Train	Electric
	- Electrification system	25 kV AC
	- Type of feeding system	AT feeding system (25kVx2)
Train operation		
17	- Operation Type	One manned operation without brake van
	- Maximum speed	100 km/h
	- Traffic capacity Double line	140 nos. per day direction (4 hours maintenance block)
	Single line	25 nos. per day direction(4 hours maintenance block)
	- CSR	750 m

Major Structural Features with approximate details are tabulated below at present

Structure	Package-3: 297 km (Ikalgarh - Vadodara)
1. Civil Works	
- Cutting	1.076 x 10 ⁶ cum
- Embankment	26.60 x 10 ⁶ cum
- Blanket	2.53 x 10 ⁶ cum
- Subgrade	4.70 x 10 ⁶ cum
- Important bridges	4 nos. (total length 1071m)
- Viaduct	---
- Major bridge	121 nos. (total length 3788m)
- Rail flyover	11 nos. (total length 235m)
- Minor bridge	285 nos. (total length 1160m)
- ROB*1	2 nos.
- RUB*2	237 nos.
- Pedestrian Subways	23 nos.
- Railway crossing	6 nos.
2. Building Works	
	(Approximate Building Area of JS and CS 19,600 sqm)
- Junction Station (JS)	4 locations (Approximate Area

Structure	Package-3: 297 km (Ikbalgarh - Vadodara)
	13,200 sqm)
- Crossing Station (CS)	5 locations (Approximate Area 6,400 sqm)
- Maintenance Depot, MMU, Sub-Depots etc.	At Junction and Crossing Stations
- Quarters & Offices	At Junction and Crossing Stations (Approximate Area 33,000 sqm)
3. Track Works	
- Ballast	1.61 x 10 ⁶ cu.m
- Route Km	297 km

Note: *1; Road-over-bridge (overpass), *2; Road-under-bridge (underpass)

Junction Stations and Crossing Stations are planned at the following locations:

No.	Name	Remarks	Package
JS 1	Makarpura JS	Connected with Makarpura Station of IR	Package 3 (CT P-3)
CS 1	Vasad CS		
CS 2	Change CS		
CS 3	Timba CS		
JS 2	Sabarmati JS	Connected with Sanad Station of IR on Western side and Gora Ghuma Station of IR on Eastern side	
CS 4	Gumasan CS		
JS 3	Mehsana JS	Connected with Mehsana Jn. Station of IR	
CS5	Marosana CS		
JS 4	Palanpur JS	Connected with Chattdottar Jn. Station of IR	

11.0 Technical Specifications and approved vendors/suppliers

- 11.1 Research Design and Standards Organizations (RDSO), Lucknow, India, an organization of Ministry of Railways, Government of India has standardized the technical specifications for various components of railway systems in India as Indian Railway and adopted to Indian conditions. The list of IRS Specifications issued by RDSO is available at the website of RDSO (www.rds.gov.in). The IRS Specifications can be purchased from RDSO.
- 11.2 The Employer's requirements to be included as part of the bidding document for this work will generally conform to the IRS Specifications.
- 11.3 RDSO maintains an approved list of suppliers/vendors for various equipments/items/components to be used on railway systems in India. Bidders shall be free to obtain equipments/items from the suppliers/vendors on approved list of RDSO or any other sources provided the equipment/item meets the technical requirements/acceptance criteria which will be indicated in the Bidding document.

- 11.4 The list of suppliers/vendors approved for various items are available at the website of RDSO. Procedures for registration of the new suppliers/vendors for railway equipments/items are also available at the website of RDSO. The bidders are advised to visit the website of RDSO for further information about the registration of new products.

12.0 Utilities

- 12.1 The utilities have generally been identified as part of the field data collection by the Employer. However, there is always possibility of some the unidentified utilities to be found during the construction period. These utilities shall be relocated as detailed below:

- (1) Indian Railways existing OHLE Structures and Traction Power Installations infringing with DFCC Structure shall be relocated/modified by the Employer.
- (2) All the trees (more than 300mm girth), structures, charted Over ground and Underground Utilities e.g. water pipe line, sewerage pipe line, signaling or communication cables, electric lines (other than 33 kV and less overhead electric lines) shall be removed / relocated / modified by the Employer through relevant Owners.
- (3) All the trees (of girth 300mm or less), uncharted utilities (if any) and electric lines of 33kV or less within the Right of Way shall be removed / relocated as part of this Design and Built Contract

13.0 Interfacing with Other Contractors

- 13.1 Ikbargarh - Vadodara section shall be electrified with 2x25 kV Systems and provided with Automatic Signaling. The Civil, Building and Track Works (CB&TW) Contractor appointed through this PQ exercise following the Single Stage, Two Envelope Bidding process shall be required to interface, coordinate and cooperate with the Special Steel Bridges contractor, project wide Systems Contractors engaged to execute the Signalling, Telecommunications, Electrification and SCADA Works in such a way that complete Railway System is commissioned successfully in a timely manner. Access to resources created by the Contractor will be made available to Other Contractors on mutually agreed terms amongst the contractors.

2. Construction Period

- 2.1 The Project involves Design of Alignment, Formation, Bridges, Structures, Buildings and Track including Flyovers/ROB/RUB followed by construction, Integrated Testing and Commissioning and integration with existing IR System and maintaining the constructed railway during the defect liability period for the axle load and speed potential defined in Para 9.1 (1) of Description of Works above.
- 2.2 The Construction Period will be around four (4) years (including Design, Construction, Tests on Completion) from the date of the Commencement. The Design-Build Contractor shall be required to plan the various components of work in such a sequence that the complete work is commissioned in the designated time period from the date of the Commencement. This will be followed by the Defects Notification Period of two years from the date of Taking-over Certificate for whole of the Works.
- 2.3 General Consultant appointed by DFCCIL will be the Engineer for the project and will perform the role as specified in Clause 3 Condition of Contract – Plant & Design Build FIDIC Yellow Book 1999 and as supplemented or amended through Particular Conditions of Contract.
- 2.4 As a part of the Bid Documents, the Pre-qualified Bidders will be provided with Employer's Requirements, Concept Design, Specifications, Drawings and the other available indicated field data e.g. (i) Alignment Survey, (ii) Geotechnical (iii) Hydrological Calculations for Discharge/HFL of Bridges.
- 2.5 The Site Data provided as a part of the Bid Documents by the Employer is based on the investigation carried out by the Employer. The Bidder shall interpret the Site Data in accordance with Sub-clause 4.10 in the Conditions of Contract – Plant & Design Build FIDIC Yellow Book 1999.
- 2.6 The Employer's Requirements/Specifications provided as part of the Bid Documents specify the procedural requirements for the preparation of the design of the Permanent and Temporary Works.
- 2.7 The Contractor shall engage the Designer who will undertake and prepare the Design of the Permanent Works and Temporary Works. The principal requirements of the Design Phase are the production of the Inception Report (including Preliminary Design), the Technical Design, Technical Drawings, Construction Design and Construction Drawings and As Built Record.
- 2.8 The Technical Design shall incorporate the Contractor's Technical Proposals and shall be the design developed to the stage at which all elements of permanent way, structures including bridges are fully defined and specified. During the preparation of the Technical Design, the Contractor shall complete all surveys, investigations and testing necessary to complete the design of the Permanent Works.
- 2.9 Upon issuance of the approval, or a deficiencies list, by the Engineer in respect of the Technical Design Submission, normally within twenty eight days (28 days), the Contractor shall complete the design in all respects and produce the Technical Drawings, the purpose

of which is to illustrate all the Permanent Works and to be the drawings governing construction.

3. Site and Other Data

3.1 Project Area: The Works will be carried out between Ikalgarh and Vadodara in the states of Gujarat. The proposed alignment will be parallel to the Delhi-Rewari-Ikalgarh-Palanpur single line section of Indian Railways. Thereafter the alignment between Pansar and Vadodara (Makarapura) detours from the existing tracks of Indian Railway.

3.2 Hydrology: The most of rivers (except rivers Mahi and Sabarmati) have not seen water flow for several years, except when heavy rainfall was observed. In such case, flooding has been experienced once a several year return period.

3.3 Climate: The climatic conditions in Gujarat, where the Ikalgarh – Vadodara section of the alignment lies, is described as follows:

- The climate in Gujarat is moist in the southern areas while dry in the northern region
- The climate of the Gujarat can be divided into three seasons namely summer season (March to May), southwest monsoon season (June to September), winter season (November to February), and the intervening month of October
- The summer season from March to May is the hottest season with temperature ranging from 29°C to 46°C
- The Monsoon season extends from June to September, temperature drops, but humidity increases. The southern parts of Gujarat receive average rainfall hovering between 76 and 152 cms. In the northern parts of Gujarat, average rainfall ranges between 51 to 102 cms
- The winter season extends from November to February. Gujarat experiences mild, pleasant and dry winters, with average daytime temperatures ranging around 29 °C and night temperatures around 12 °C

Annual rainfall in other major cities is recorded as follows:

(source: World Weather through Internet)

Ahmedabad

Mean High Temp	28.4	31.3	36	39.9	41.8	38.4	33.3	31.9	33.4	35.8	33.2	29.8	
Mean Low Temp	11.7	13.8	18.8	23.4	26.2	27	25.7	24.8	24.1	20.9	16.5	13	
Precipitation	2.6	1.1	1	0.9	6	108.7	265.3	219.8	171.9	10.8	8.9	2.6	799.6

Vadodara

Mean High Temp	30	31	35	39	40	36	32	32	32	35	33	30	
mean Low Temp	10	12	15	20	25	26	25	25	23	18	13	10	
Precipitation	0	0	0	0	0	160	310	220	150	40	20	0	900

Ahmedabad and Vadodara are belonging to Steppe and Savanna Climate. Temperature rises from Apr to Jun.

3.4 Access to Site:

Access to the Site areas is available through various roads as described below.

- Between Vadodara and Ahmedabad; Toll way 2-lane road is available as well as national highway named NH8. Access to railway construction sites is available through local roads.

- Between Ahmedabad and Palanpur; National highway with 2-lane road is available detouring major cities of Mahesana and Siddhapur
- Between Ikalgarh and Abu Road; The National Highway NH-14 Above national highway is continuously provided with state border check point. providing weigh scale for trucks at Amirgadh in Gujarat State nearby the border between Gujarat/Rajasthan States
- Between Abu Road and Beawar; National highway NH14 is available with 1-lane which is under construction to widen to 2-lane at some locations
- Between Beawar and Kishangarh (through Ajmer); National highway NH8 is available with 2-lane road which is under construction to widen to 3-lane and flyovers
- Between Kishangarh and Rewari; National highway NH8 is available through Jaipur with 2-lane and 3-lane road. The 2-lane road is under construction to widen for 3-lane road with flyovers. Traffic congestion is sometimes observed at city areas of Chandwaqji, Sharpura, Bhabhru, Pragpura, Kot Putli and Behror because of 2-lane road and of under construction for widening and for flyovers.

3.5 Transportation and Communications Facilities:

Transportation and communication facilities are well developed in India. Those facilities along WDFC's alignment are described below.

- Track transportation by road is well developed in Western Area of India.
- Railway transportation is also well developed in this area.
- Cargos can be transported from Mumbai seaport.
- Airport is located at Vadodara, Ahmedabad, Jaipur (nearby Sangar) and Delhi.
- Public telephone facilities are well developed whole stretch of WDFC alignment.
- Mobile phones are also well developed whole stretch of WDFC alignment.
- Internet access is available in the whole country of India with wire or wireless. Connection speed is depending on providers.

3.6 Medical Facilities

- General hospitals are available in major cities, such as Vadodara, Ahmadabad, Mehsana, Palanpur etc.
- Other hospitals are also available in every city area.
- Clinics are also available in villages along with WDFC alignment.
- Injections are all disposal type in order to prevent from transfer of any type of diseases..

ANNEXURE 1

EVALUATION CRITERIA

1.00 GENERAL EVALUATION RULES

1.01 Generally

- (a) Evaluation of the Applications will be undertaken by DFCCIL with the assistance of the Consultant based upon the information submitted by the Applicants in response to this Invitation for Prequalification.
- (b) All Application Forms contained in this Document must be fully and properly completed and all must be returned, as they will be reviewed exactly as submitted and errors or omissions will be counted against the Applicant.
- (c) At their own option, DFCCIL may request further clarification or confirmation of any aspects which they feel will assist in the evaluation process.
- (d) DFCCIL reserves the right to waive minor deviations or omissions in any Application if, in their opinion, they do not materially affect the capability of an Applicant to perform the Contract.
- (e) Any Applicant who is found out to have intentionally submitted false or inaccurate statements/information shall be disqualified from the Bidding process, and may also be disqualified from all future projects of DFCCIL.

1.02 Basic Method of Evaluation

- (a) Evaluation of the Prequalification Applications shall be made successively in two (2) Stages, on the following basis:

Stage 1: Preliminary Screening

Administrative Evaluation with eligibility - **Pass or Fail Basis.**

Stage 2: Minimum Requirements Evaluation

Annual Turnover, Previous Experience, Financial Position, Litigation History, - **Pass or Fail Basis.**

- (b) Minimum qualification criteria have been established for each item in each Stage.
- (c) Applications failing to reach such minimum criteria in any Stage will be deemed to have failed the evaluation process at that Stage.

2.00 STAGE 1 PRELIMINARY SCREENING (ADMINISTRATIVE EVALUATION)**2.01 General**

- (a) Under this Stage, Applications will be reviewed to check general compliance with the submission requirements of this Prequalification Document.
- (b) Evaluation will be made on a Pass or Fail Basis.
- (c) If, following this Stage 1 review, an Applicant has failed to comply with any item, the Application will fail the evaluation at this Stage.
- (d) The following aspects will be reviewed at this Stage:
 - (i) Completeness of submission, correct legal authority of the Applicant's official representative (Authorised Signatory), letter of intent to enter into a Joint Venture (in case of joint venture / association), correct signing and initialing of pages and general compliance with all of the submission requirements of this Prequalification Document;
 - (ii) Lack of submission of any of the official Application Forms without obvious reason;
 - (iii) Lack of signature by the Applicant's Authorised Signatory on any of the official Application Forms;
 - (iv) Lack of Power of Attorney or Notarial Certificates for the Applicant's Official Representative on Form ELI 1.1;
 - (v) Lack of Signature by an Independent Public or Chartered Accountant on Form FIN-3.1 and Form FIN-3.2;
 - (vi) In the case of joint ventures, lack of signature of all partners or lack of Power of Attorney on Form ELI-1.2.

3.00 STAGE 2 MINIMUM REQUIREMENTS EVALUATION (ANNUAL TURNOVER, PREVIOUS EXPERIENCE)**3.01 Generally**

- (a) Applications which have passed the Stage 1 Evaluation will be reviewed to ascertain whether the Applicant has complied with the Minimum Prequalification Requirements as stipulated in the Instructions to Applicants Para. 4- Qualification Criteria and Para. 5- Joint Ventures (if applicable).
- (b) Evaluation will be made on a Pass or Fail Basis.
- (c) If, following this Stage 2 review, an Applicant has failed to comply with any item, the Application will fail the evaluation at this Stage.
- (d) The various aspects listed in the following Paragraphs will be reviewed at this Stage:

3.02 Eligibility

- (a) Applications will be checked for compliance with Qualification Criteria and Requirements Para 1.1 to 1.3.

3.03 Historical Contract Non-Performance

- (a) Applications will be checked for compliance with Qualification Criteria and Requirements Para 2.1 and 2.2, considering the year, the number and the nature of any disputes.
- (b) Applicants, or each Partner of a Joint Venture and each Principal Named Sub-Contractor, will be evaluated separately.
- (c) Non-performance of a contract did not occur within the last number of years specified in the Prequalification Documents, prior to the deadline for application submission based on all information on fully settled disputes or litigation.
- (d) All pending litigation shall in total not represent more than the percentage, specified in the Prequalification Documents, of the Applicant's net worth and shall be treated as resolved against the Applicant.

3.04 Net Worth

- (a) Applications will be checked for compliance with Qualification Criteria and Requirements (QCR) Para 3.1.
- (b) In the case of joint ventures, the requirement on net worth shall be met individually

by each partner of the joint venture in accordance with QCR Para 3.1.

3.05 Average Annual Turnover

- (a) Applications will be checked for compliance with Qualification Criteria and Requirements Para 3.2.
- (b) In the case of joint ventures, the summary of relevant data on annual turnover for each of the partners will be checked to ensure the correct addition for the joint venture's total collective ability.

3.06 Previous Experience

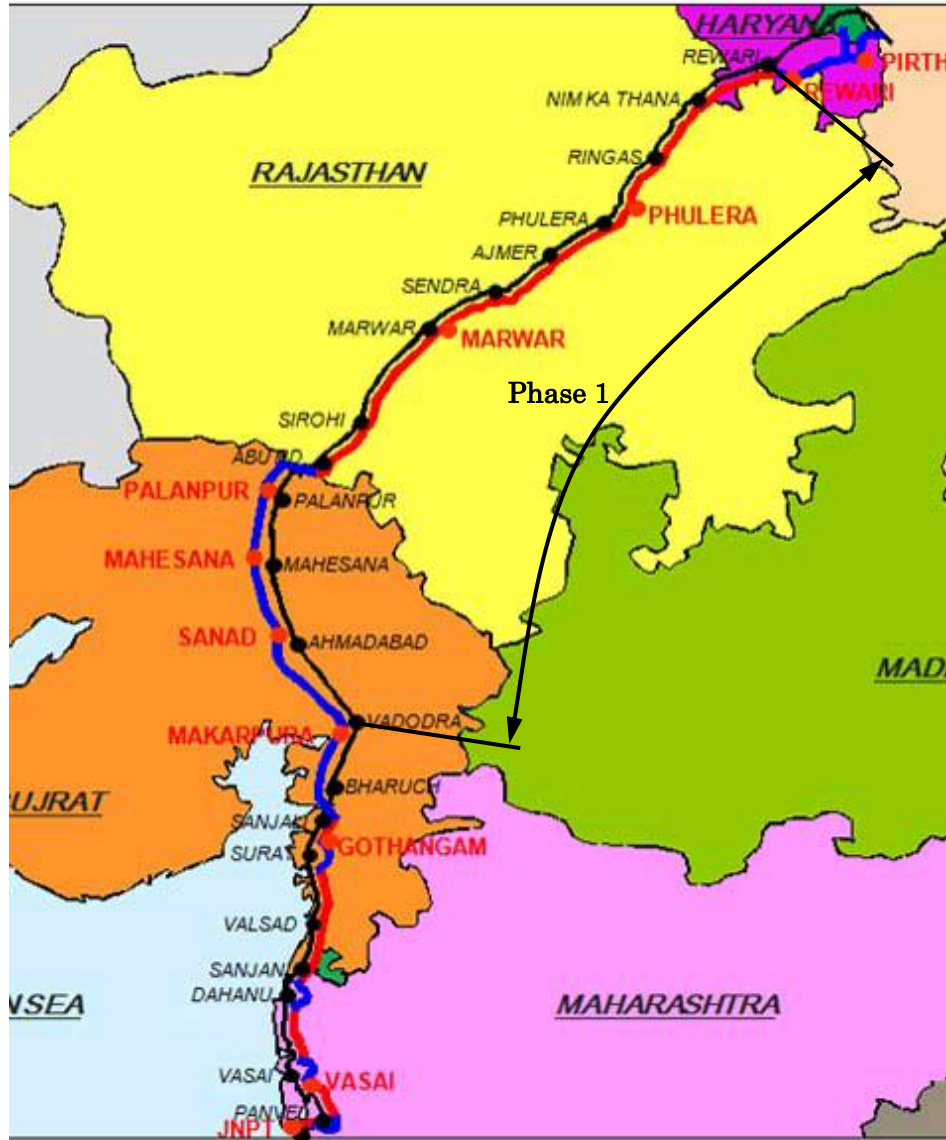
- (a) Applications will be checked for compliance with Qualification Criteria and Requirements of Para 4.2(a), 4.2 (b), 4.3 (a) and 4.3(b).
- (b) The Applicant must meet all of the particular requirements of the Instructions to Applicants in order to pass this stage of the Evaluation.

3.07 SELECTION AND PREQUALIFICATION OF APPLICANTS

- (a) The result of Prequalification shall be subject to the approval of DFCCIL and the review and concurrence of JICA.
- (b) Applicants who pass all stages of the evaluation as approved by DFCCIL and reviewed and concurred by JICA, will be deemed to have passed the Prequalification process, and then they will be invited to bid for the Tender to be invited by DFCCIL.

ANNEXURE 2
GENERAL LOCATION MAP

डेडीकेटेड फ्रेट कारीडोर
DEDICATED FREIGHT CORRIDOR
(WESTERN)



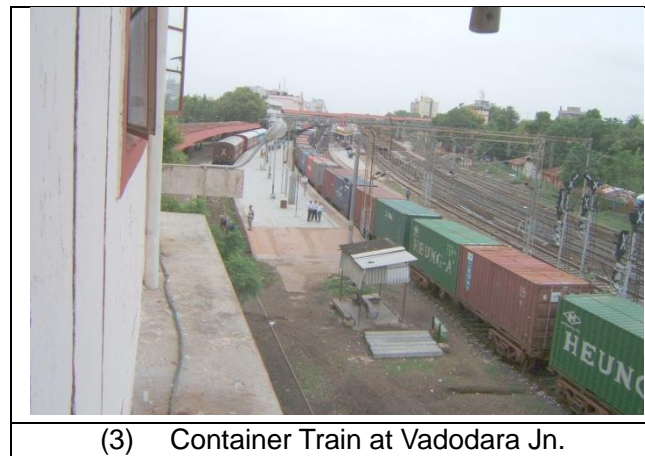
ANNEXURE 3

SITE PHOTOS

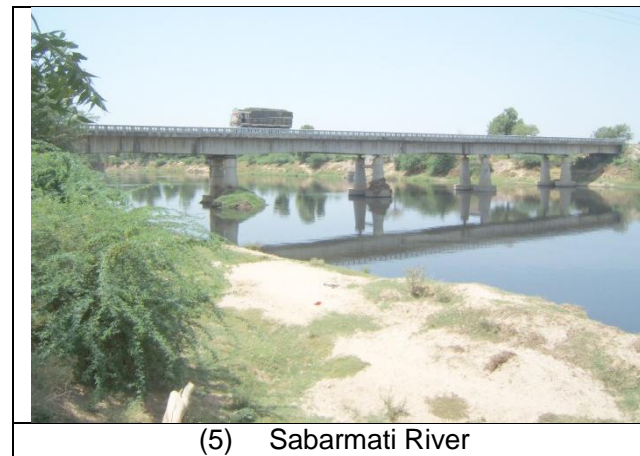
Makarpura Junction Station (Vadodara) [STA0.000] – Sabarmati Junction Station [STA143.3] – [STA190.0]



(1) Makarpura Stn. (viewing towards JS)



(3) Container Train at Vadodara Jn.



(5) Sabarmati River



(7) Viewing towards Sabarmati JS



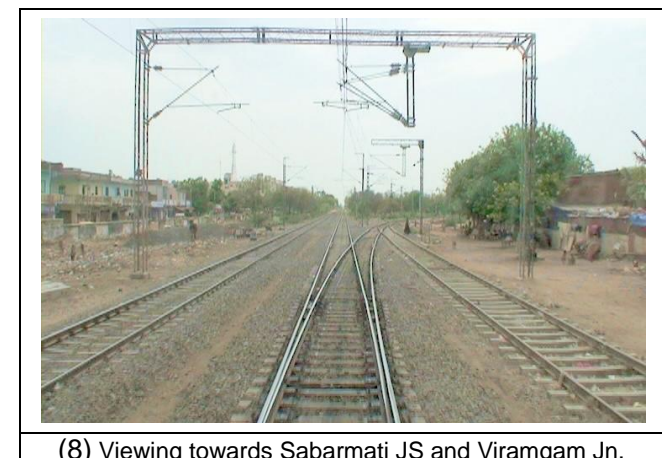
(2) Vadodara Yard



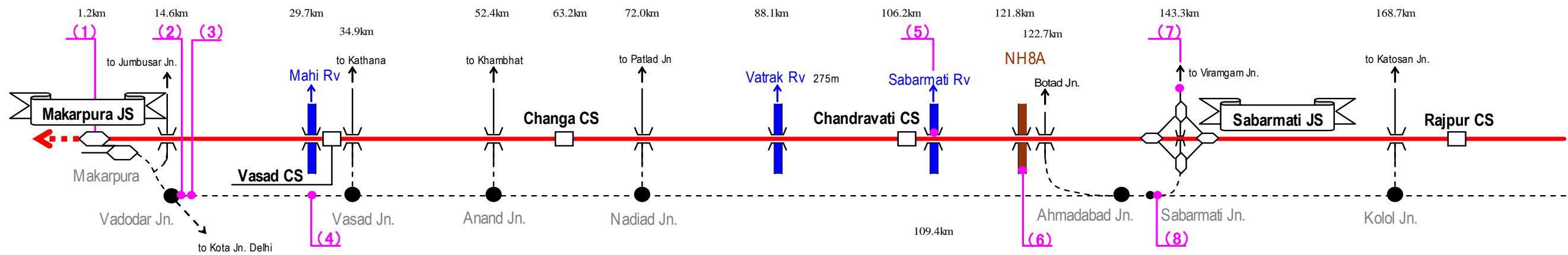
(4) Mahi River



(6) NH8A



(8) Viewing towards Sabarmati JS and Viramgam Jn.



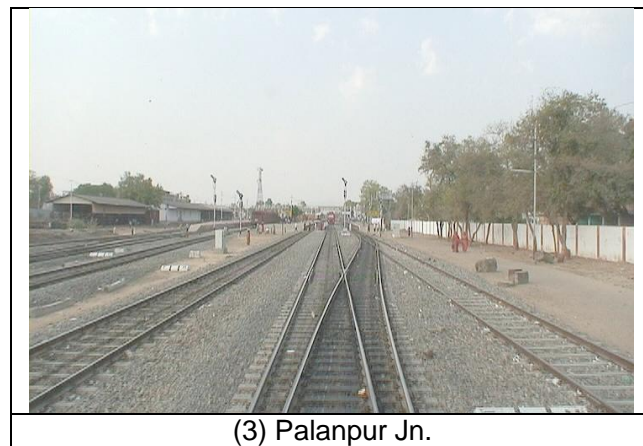
LEGEND

	JS (Junction Station)		Bridge		DFC Alignment		Existing Line (Parallel/Overpass)
	CS (Crossing Station)		River		Existing Line (Detour)		Major Road
	Existing Major Station	Note: Km Chainage is approximate and for reference only.					

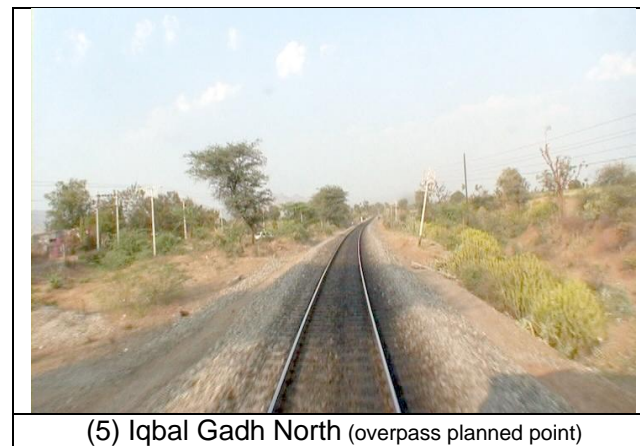
[STA190.0] – Mahesana Junction Station [STA202.4] – Palampur Junction Station [STA280.7] – [STA380.0]



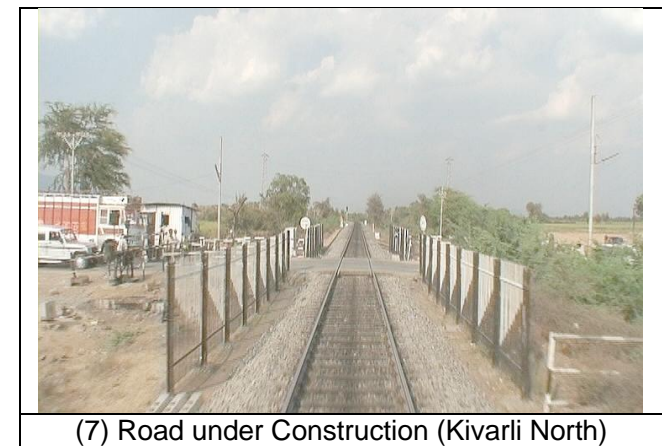
(1) Mahesana Jn.



(3) Palampur Jn.



(5) Iqbal Gadh North (overpass planned point)



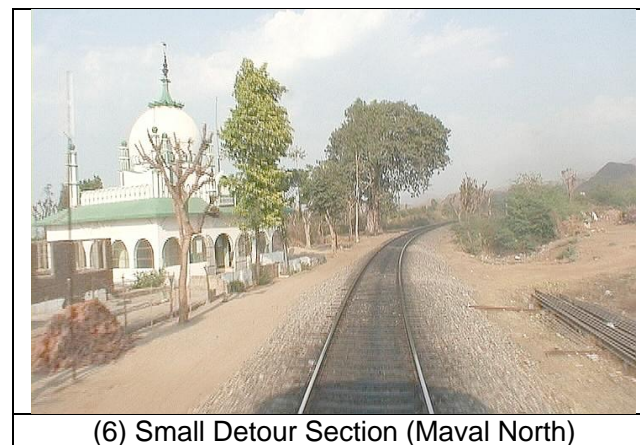
(7) Road under Construction (Kivarli North)



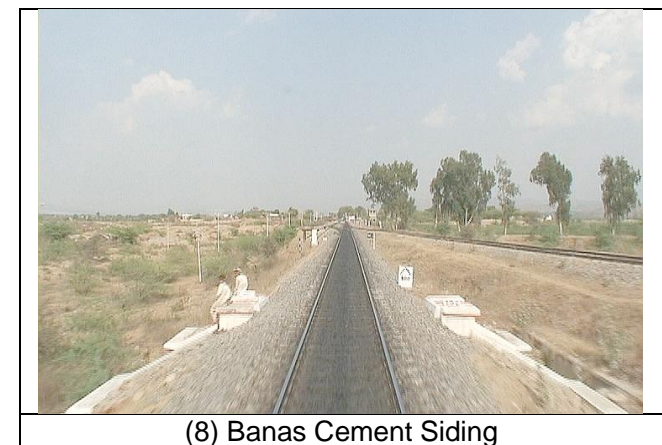
(2) Saraswati River



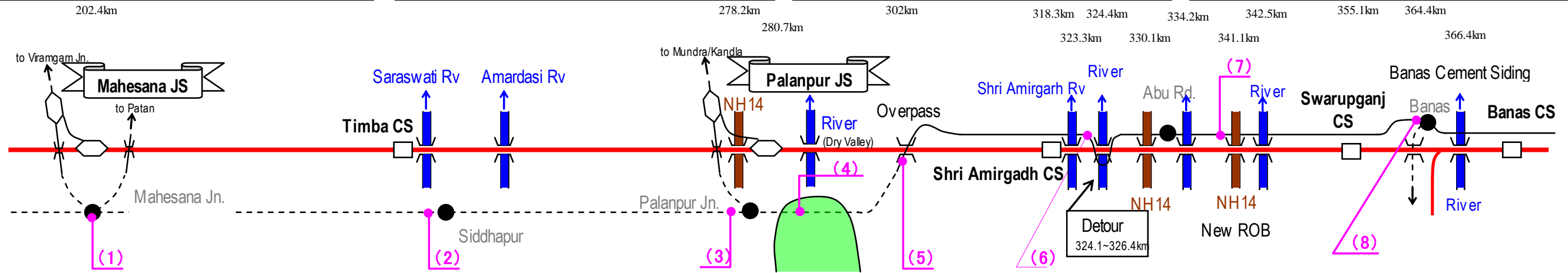
(4) Wildlife Sanctuary



(6) Small Detour Section (Maval North)



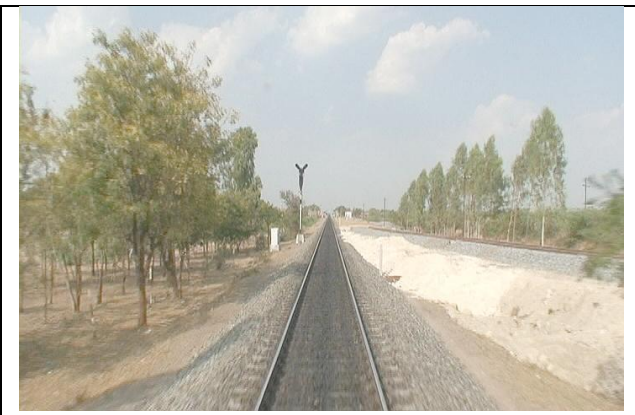
(8) Banas Cement Siding



LEGEND

JS (Junction Station)	Bridge	DFC Alignment	Existing Line (Parallel/Overpass)
CS (Crossing Station)	River	Existing Line (Detour)	Major Road
Existing Major Station	Note: Km Chainage is approximate and for reference only.		

[STA380.0] – Manwar Junction Station [STA492.7] – [STA570.0]



(1) Keshavganj Cement Siding



(3) Marwal JS Site



(5) Bar South



(7) Cut, Sendra South



(2) River, Rani North

383.6km 397.9km 414.1km



(4) River, Sojat Rd. North

426.6km 434.5km 447.8km 460.3km 465.1km 471.7km 476.6km 482.7km 490.6km 492.7km

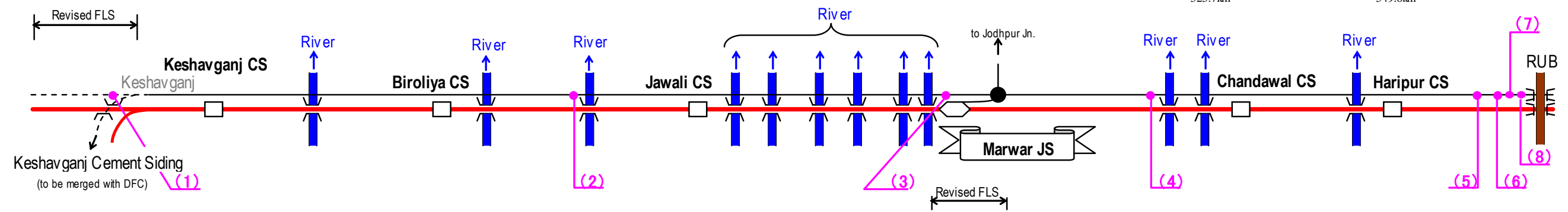


(6) Bar North



(8) ROB, Sendra South

520.4km 530.4km 544.3km 549.6km 568.3km



LEGEND

- JS (Junction Station)
- CS (Crossing Station)
- Existing Major Station

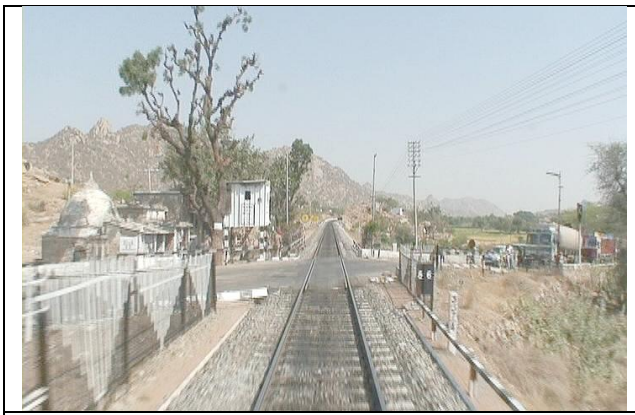
- Bridge
- River

Note: Km Chainage is approximate and for reference only.

- DFC Alignment
- Existing Line (Detour)

- Existing Line (Parallel/Overpass)
- Major Road

[STA570.0] – Phulera Junction Station [STA492.7] – [STA570.0]



(1) NH 14 (to be remodeled)



(3) Bagrumgram Cement Siding



(5) NH8 Bypass, Madar North



(7) NH8 Bypass, Kishangarh



(2) Benwar West (to be shifted)



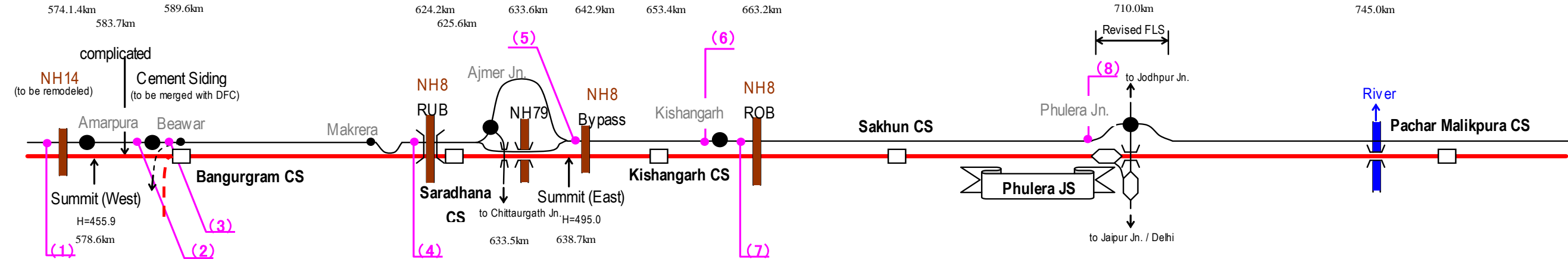
(4) NH8, Daurai South ROB (under construction)



(6) Kishangarh South



(8) Phulera South (Phulera JS, right)



LEGEND

JS (Junction Station)	Bridge	DFC Alignment	Existing Line (Parallel/Overpass)
CS (Crossing Station)	River	Existing Line (Detour)	Major Road
Existing Major Station	Note: Km Chainage is approximate and for reference only.		

[STA760.0] – Rewari Junction Station [STA920.0]



(1) Ringus South



(3) Neem Ka Thana



(5) Proposed Rewari JS Site



(7) Dadri ICD



(2) NH11 ROB (to be raised)



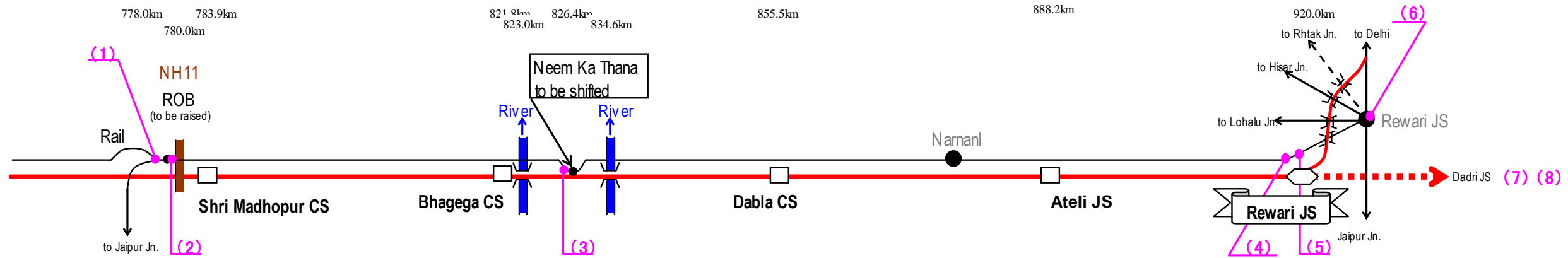
(4) Khori



(6) Rewari Jn.



(8) TKD ICD



LEGEND

	Note: Km Chainage is approximate and for reference only.		