



PREQUALIFICATION DOCUMENT FOR

Design, procurement, Construction of Track and track related works and its testing & commissioning for double track electrified railway line on a Design Build Lump Sum Basis from New Karwandiya (Rly. Km. 564) to Durgawati (Rly. Km. 630) approx. 66 KMs on Mughalsarai-Sonnagar Section of Eastern Dedicated Freight Corridor.

TRACK WORKS CONTRACT PACKAGE

Issued on: **18.11.2011**

Invitation for Prequalification (IFP) :
IFP No.: HQ/EN/EC/Track/NKWD-DGO

Employer:

**DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LIMITED
A GOVERNMENT OF INDIA ENTERPRISE**

under

**MINISTRY OF RAILWAYS
COUNTRY: INDIA**

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Section I. Instructions to Applicants (ITA)

A. General

1. Scope of Application	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 this Prequalification Document (PQD) to applicants interested in bidding for the works described in Section V, Project information and Scope of Works. Other details of the contract under National Competitive Bidding (NCB) are provided in the PDS .
2. Source of Funds	2.1 The required funds shall be arranged by the Employer.
3. Corrupt practices	<p>3.1 It is the Employer`s policy that Applicants, suppliers, and contractors and their subcontractors, observe the highest standard of ethics during the procurement and execution of such contracts.¹ In pursuance of this policy, the Employer</p> <p>(a) defines, for the purposes of this provision, the terms set forth below as follows:</p> <p>(i) “corrupt practice” is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party² ;</p> <p>(ii) “fraudulent practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation³;</p> <p>(iii) “collusive practice” is an arrangement between two or more parties⁴ designed to achieve an improper purpose, including to influence improperly the actions of another party.</p> <p>(iv) “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party⁵ or the property of the party to influence</p>

¹ In this context, any action taken by a Applicant, supplier, contractor, or a sub-contractor to influence the procurement process or contract execution for undue advantage is improper.

² “another party” refers to a public official acting in relation to the procurement process or contract execution]. In this context, “public official” includes employees of other organizations taking or reviewing procurement decisions.

³ a “party” refers to a public official; the terms “benefit” and “obligation” relate to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.

⁴ “parties” refers to participants in the procurement process (including public officials) attempting to establish bid prices at artificial, non competitive levels.

⁵ a “party” refers to a participant in the procurement process or contract execution.

	<p>improperly the actions of a party;</p> <p>(v) "obstructive practice" is</p> <p>(aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation;</p> <p>or</p> <p>(bb) acts intended to materially impede the exercise of the Employer's inspection and audit rights provided for under sub-clause 3.1 (d) below.</p> <p>(b) will reject a proposal for award if it determines that the Applicant recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the contract in question;</p> <p>(c) will sanction a firm or individual, at any time, including by publicly declaring such firm or individual ineligible, either indefinitely or for a stated period of time, Employer if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing.</p> <p>(d) will have the right to get the accounts , records and other documents relating to the bid submission and contract performance of the Applicants, suppliers, contractors and their sub-contractors audited by auditors appointed by the Employer.</p>
<p>4. Eligible Applicants</p>	<p>4.1 An Applicant shall be a private, public or government owned legal entity, or any combination of them in the form of Joint Venture (JV) 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 JV, unless otherwise specified in the PDS,</p> <p>(i) all parties shall be jointly and severally liable, and</p> <p>(ii) the number of partners shall be as per PDS.</p>
	<p>4.2 The eligibility criteria listed in this Clause 4 shall apply to the Applicant, including the parties constituting the Applicant, i.e. its proposed partners, subcontractors or suppliers for any part</p>

	of the Contract including related services.
	<p>4.3 An Applicant may have the nationality of any country. An Applicant shall be deemed to have the nationality of a country if the Applicant is a citizen, or is constituted, incorporated or registered and operates in conformity with the provisions of the laws of that country, as evidenced by its Articles of Incorporation or Documents of Constitution, and its Registration Documents.</p> <p>The details of nationality will be as per PDS.</p>
	<p>4.4 An Applicant shall not have any conflict of interest with any other party involved with the project, either as an Applicant or in any other capacity during the project formulation and developmental stage. Any Applicant (s) including all members of the Joint Venture found to have a conflict of interest shall be disqualified. Applicant(s) shall be considered to have a conflict of interest,</p> <p>(i) if they participated as a consultant in the preparation of the design or technical specifications of the Works that are the subject of this prequalification.</p> <p>(ii) Where a firm, or a firm from the same economic or financial group, in addition to consulting, also has the capability to manufacture or supply goods or to construct works, that firm, or a firm from the same economic or financial group, cannot normally be a supplier of goods or works, if it provided consulting services for the contract corresponding to this prequalification, unless it can be demonstrated that there is not a significant degree of common ownership, influence or control.</p>
	<p>4.5 An Applicant shall submit only one application in the same Prequalification process, either individually as an Applicant or as a partner of a joint venture. No Applicant can be a subcontractor while submitting an application individually or as a partner of a joint venture in the same Prequalification process. A Sub-contractor in any application may participate in more than one application, but only in that capacity. 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.</p>
	<p>4.6 An Applicant that is under a declaration of ineligibility by the Employer in accordance with ITA 3, on the date of submission of the application or thereafter, shall be disqualified.</p>

	<p>4.7 Applicants and all parties constituting the Applicant shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer shall reasonably request.</p>
	<p>4.8 The Applicant shall be considered disqualified / in-eligible if:</p> <p>(a) The Applicant or any of its partners and/or subcontractors included in the application for pre-qualification has been banned for business with Ministry of Railways along with <u>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)</u> 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>(b) The Applicant or any of its partners has suffered bankruptcy / insolvency or it is in the process of winding-up or there is a case of insolvency pending before any Court on the deadline of submission of Application.</p> <p>(c) The Applicant / each partner of the joint venture including the proposed sub-contractors, shall submit an undertaking to this effect duly signed by their authorized signatory along with the Application for prequalification stating that they are not liable to be disqualified as per this sub clause using the appropriate Performa mutatis-mutandis given in Section IV. Non submission of such an affidavit by the Applicant shall result in summary rejection of his Application</p>
5. Eligible Goods and Related Services	<p>5.1 All goods and related services to be supplied under the Contract can have their origin in any country as per extant rules of Government of India in vogue.</p>

B. Contents of the Prequalification Document	
6. Sections of Prequalification Document	<p>6.1 The document for the prequalification of Applicants (hereinafter - "prequalification document") consists 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> <p>PART 1 : Prequalification Procedures</p> <p>Section I. Instructions to Applicants (ITA)</p> <p>Section II. Prequalification Data Sheet (PDS)</p> <p>Section III Qualification Criteria and Requirements</p> <p>Section IV. Application Forms</p> <p>PART 2 : Works Requirements</p> <p>Section V - Project Information and Scope of Works</p>

	<p>6.2 The “Invitation for Prequalification Applications” issued by the Employer is not part of the prequalification document. A sample invitation for pre-qualification is provided as an attachment to this Prequalification Document for information only.</p>
	<p>6.3 The Employer accepts no responsibility for the completeness of the prequalification document and its addenda unless they were obtained directly from the Employer.</p>
	<p>6.4 The Applicant is expected to examine all instructions, forms, and terms in the Prequalification Document and to furnish all information or documentation required by the Prequalification Document.</p>
7. Clarification of Prequalification Document	<p>7.1 A prospective Applicant requiring any clarification of the Prequalification Document 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 fifteen (15) 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.</p> <p>7.2 Pre submission conference : Details in PDS.</p>
8. Amendment of Prequalification Document	<p>8.1 At any time prior to the deadline for submission of applications, The Employer may amend the Prequalification Document by issuing addenda.</p>
	<p>8.2 Any addendum issued shall be part of the Prequalification Document and shall be communicated in writing to all who have obtained the prequalification document from the Employer.</p>
	<p>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 application.</p> <p>Necessary information in this regard will be uploaded on DFCCIL website www.dfccil.org / www.dfcc.in.</p> <p>For further details refer PDS.</p>

C. Preparation of Applications	
9. Cost of Applications	<p>9.1 The Applicant shall bear all costs associated with the preparation and submission of its application. The Employer will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the prequalification process.</p> <p>9.2 The cost of PQ document is Rs. 10,000/- (Rs. Ten Thousand Only). The details for obtaining PQ document will be as per PDS.</p>
10. Language of Application	<p>10.1 The PQ application, as well as all correspondence and documents relating to Prequalification by the Applicant and the Employer, shall be written in English. 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 pages in English as certified by the Embassy/High Commission/Consulate of Indian origin of the bidder or the Embassy / High Commission / Consulate of the country of origin of the Applicant in India. For the purpose of interpretation and evaluation of the bid, translation certified by Embassy / High Commission / Consulate shall prevail.</p>
11. Documents Comprising the Application	<p>11.1 The application shall comprise the following:</p> <ul style="list-style-type: none"> (a) Application Submission Form, in accordance with ITA 12; (b) documentary evidence establishing the Applicant's eligibility to pre-qualify, 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	<p>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.</p>
13. Documents Establishing the Eligibility of the Applicant	<p>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.</p>
14. Documents Establishing the Qualifications of Applicant	<p>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 Information Sheets included in Section IV, Application Forms.</p>

15. Signing of the Application and Number of Copies	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.
	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.
D. Submission of Applications	
16. Sealing and Identification of Applications	16.1 The Applicant shall enclose the original and the copies of the application in a sealed envelope that shall: (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 identification of this prequalification process (IFP No.) indicated in the 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. When so specified in the PDS, applicants shall have the option of submitting their applications electronically, in accordance with electronic application submission procedures specified in the PDS. 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 Document 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 Any application received by the Employer after the deadline for submission of applications prescribed in accordance with ITA 17 will be treated as indicated in the PDS.
19. Opening of Applications	19.1 Any specific electronic application opening procedures required if electronic submission of applications is permitted pursuant to Sub Clause 17.1 shall be as specified in the PDS. 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. It should be as per PDS.
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 document.
23. Domestic Bidder Price preference	23.1 Unless otherwise specified in the PDS, a margin of preference for domestic Applicants shall not apply in the bidding process resulting from this prequalification.
24. Subcontractors	24.1 Applicants planning to subcontract any of the key activities indicated in Section III, Qualification Criteria, 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 subcontractors in Forms ELI-1.2 and EXP (experience)-3.1(b) and EXP 3.2 in Section IV. Such proposed specialist subcontractor(s) shall meet the corresponding qualification requirements specified in Section III, Qualification Criteria and Requirements.
F. Evaluation of Applications and Prequalification of Applicants	
25. Evaluation of Applications	25.1 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.

	25.2 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.
	25.3 In case of multiple contracts, the Employer shall pre-qualify each Applicant for the maximum number and types of contracts for which the Applicant meets the appropriate aggregate requirements of such contracts, as specified in Section III, Qualification Criteria and Requirements.
26. Employer's Right to Accept or Reject Applications	26.1 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.
27. Prequalification of Applicants	27.1 All Applicants whose applications have met or exceeded ("passed") the specified threshold requirements will, to the exclusion of all others, be pre-qualified by the Employer.
28. Notification of pre - qualification	28.1 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 pre-qualified.
29. Invitation to Bid	29.1 Promptly after the notification of the results of the prequalification the Employer shall invite bids from all the Applicants that have been pre-qualified.
	29.2 Applicants 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 as specified in the Bidding Documents.
30. Changes in Qualifications of Applicants	30.1 Any change in the structure or formation of an Applicant after being pre-qualified in accordance with ITA 27 and invited to bid shall be subject to a written approval of the Employer prior to the deadline for submission of bids. Such approval shall be denied if as a consequence of the change the Applicant no longer substantially meets the qualification criteria set forth in Section III, Qualification Criteria and Requirements, or if in the opinion of the Employer, a substantial reduction in competition may result. Any such changes shall be submitted to the Employer not later than 14 days after the date of the Invitation for Bids.

Section II. Prequalification Data Sheet (PDS)	
A. General	
ITA 1.1	The Employer for the Project is: Dedicated Freight Corridor Corporation of India Limited (A Government of India Enterprise) Project Officer : General Manager/CO/EC
ITA 1.1	Applications are invited from interested Applicants for Prequalification of Bidders to undertake work of Design, procurement, Construction of Track and track related works and its testing & commissioning for double track electrified railway line on a Design Build Lump Sum Basis from New Karwandiya (Rly. Km. 564) to Durgawati (Rly. Km. 630) approx. 66 KMs on Mughalsarai-Sonnagar Section of Eastern Dedicated Freight Corridor.
ITA 1.1	Invitation For Pre-qualification (IFP) for : Design, procurement, Construction of Track and track related works and its testing & commissioning for double track electrified railway line on a Design Build Lump Sum Basis from New Karwandiya (Rly. Km. 564) to Durgawati (Rly. Km. 630) approx. 66 KMs on Mughalsarai-Sonnagar Section of Eastern Dedicated Freight Corridor. IFP No.: HQ/EN/EC/TRACK/NKWD – DGO.
ITA 4.1	In the case of applicant being joint venture following conditions will apply : i) Separate identity/name shall be given to the Joint Venture Firm. ii) Maximum number of partners in the JV shall be limited to 3 (Three). iii) One of the members of the JV firm shall be its lead member who shall have majority (at least 51%) share of interest in the JV firm. The other members shall have a share of not less than 20% each in case of JV firms with upto 3 members. iv) In case of JV firm with foreign member(s), the lead member has to be an Indian firm with a minimum share of 51%. v) Applicants from an eligible country may be excluded if as a matter of law or official regulations the Government of India (GOI) prohibits commercial relations with the country. vi) Only letter of intent to form JV, signed by all parties, is required at this stage. vii) <u>Joint And Several Liability</u> - Members of the JV Firm to which the contract is awarded, shall be jointly and severally liable to the Employer (DFCCIL) for execution of the project in accordance with General and Special Conditions of Contract. The JV members shall also be liable jointly and severally for the loss, damages caused to the DFCCIL during the course of execution of the contract or due to non-execution of the contract or part thereof. viii) <u>Duration of the Joint Venture Agreement</u> - shall be valid during

	<p>the entire currency of the contract including the period of extension, if any and the defect liability period after the work is completed.</p> <p>ix) <u>Governing Laws</u> - The Joint Venture Agreement shall in all respect be governed by and interpreted in accordance with Indian Laws.</p> <p>x) The JV shall nominate a representative (from lead partner only) who shall have the authority to conduct all business for and on behalf of JV during the pre-qualification process and subsequent stages.</p> <p>xi) Value/Length of a completed work done by a member in an earlier JV firm shall be reckoned only to the extent of the concerned member's share in that JV firm for the purpose of satisfying his/her compliance to the technical eligibility criteria in the tender under consideration.</p> <p>xii) Contractual payment received by a member in an earlier JV firm shall be reckoned only to the extent of the concerned member's share in that JV firm for the purpose of satisfying compliance of the financial eligibility criteria in tender under consideration.</p> <p>xiii) In addition to above the following will be conditions of JV which will be part of the Bid document. However, these conditions are given below for information and guidance.</p> <p>a) Normally EMD shall be submitted only in the name of the JV Firm and not in the name of constituent member. However, in exceptional cases EMD in the name of Lead Member can be accepted subject to submission of specific request letter from Lead Member stating the reasons for not submitting EMD in the name of JV Firm and giving written confirmation from JV members to the effect, that EMD submitted by the Lead Member may be deemed as EMD submitted by JV Firm.</p> <p>b) A copy of Memorandum of Understanding(MOU) executed by the JV members shall be submitted by the JV Firm alongwith the Tender. The complete details of the members of the JV firm, their share and responsibility in the JV firm etc. particularly with reference to financial, technical and other obligations shall be furnished in the MOU.</p> <p>c) Once the tender is submitted, the MOU shall not be modified / altered / terminated during the validity of the tender. In case the tenderer fails to observe/comply with this stipulation, the full <i>Earnest Money Deposit</i> (EMD) shall be liable to be forfeited.</p> <p>d) Approval for change of constitution of JV Firm shall be at the sole discretion of the Employer (DFCCIL). The constitution of the JV Firm shall not be allowed to be modified after submission of the tender by the JV Firm, except when modification becomes inevitable due to succession <i>laws</i> etc. and in any case the minimum eligibility criteria should not get vitiated. However, the Lead Member shall continue to be the</p>
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	<p>Lead Member of the JV Firm. Failure to observe this requirement would render the offer invalid.</p> <p>e) Similarly, after, the contract is awarded, the constitution of JV Firm shall not be allowed to be altered during the currency of contract except when modification become inevitable due to succession laws etc. and in any case the minimum eligibility criteria should not get vitiated. Failure to observe this stipulation shall be deemed to be breach of contract with all consequential penal action as per contract conditions.</p> <p>f) On award of contract to a JV Firm, a single Performance Guarantee shall be submitted by the JV Firm as per tender conditions. All the Guarantees like Performance Guarantee, Bank Guarantee for Mobilization Advance, Machinery Advance, etc. shall be accepted only in the name of the JV Firm and no splitting of guarantees amongst the members of the JV Firm shall be permitted.</p> <p>g) On issue of LOA (Letter Of Acceptance), an agreement among the members of the JV Firm (to whom the work has been awarded) shall be executed and got registered before the Registrar of the Companies under Companies Act or before the Registrar/Sub-Registrar under the Registration Act, 1908. This JV Agreement shall be submitted by the JV Firm to the DFCCIL before signing the contract agreement for the work. In case the tenderer fails to observe/comply with this stipulation, the full Earnest Money Deposit (EMD) shall be forfeited and other penal actions due shall be taken against partners of the JV and the JV.</p> <p>h) No member of the Joint Venture Firm shall have the right to assign or transfer the interest right or liability in the contract without the <i>written</i> consent of the other members and that of the employer (DFCCIL) in respect of the said tender/<i>contract</i>.</p> <p>i) <i>In case</i> one or more of the members of the JV Firm is/are partnership firm(s), following documents shall be submitted :</p> <p>(i) Notary certified copy of the Partnership Deed</p> <p>(ii) Consent of all the partners to enter into the Joint Venture /Agreement on a stamp paper of appropriate value (in original).</p> <p>(iii) Power of Attorney (duly registered as per prevailing law) in favour of one of the partners of the partnership firm to sign the JV Agreement on behalf of the partnership firm and create liability against the firm.</p> <p>j) In case one or more members is/are Proprietary Firm or HUF, the following documents shall be <i>enclosed</i> :</p> <p>Affidavit on Stamp Paper of appropriate value declaring that his/her Concern is a Proprietary Concern and he/she is sole proprietor of the Concern OR he/she is in position of "KARTA" of Hindu Undivided Family (HUF) and he/she has the authority, power and consent given by other <i>partners</i> to act on behalf of</p>
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	<p>HUF.</p> <p>k) In case one or more members is/are limited companies, the following documents shall be submitted :</p> <p>(i) Notary certified copy of resolutions of the Directors of the Company, permitting the company to enter into g JV agreement, authorizing Mb or one of the Directors or Managers of the Company to sign JV Agreement, such other documents required to be <i>signed</i> on behalf of the Company and enter into liability against the company and/or do any other act on behalf of the company.</p> <p>(ii) Copy of Memorandum and Articles of Association of the Company.</p> <p>(iii) Power of Attorney (duly registered as per prevailing law) by the Company authorizing the person to do/act mentioned in the para (a) above.</p>
ITA 4.3	In case of single entity, the applicant should be Indian firm. In case of JV the conditions described in PDS at para-ITA 4.1 shall apply.
B. Contents of the Prequalification Document	
ITA 7.1	<p>All communication between the Employer and the Applicant shall be in writing. For the purposes of seeking clarification, the Employer's address is:</p> <p>Dedicated Freight Corridor Corporation of India Limited Attention : Mr. S. K. Pathak Designation : General Manager/CO/ EC Address : Room # 513; 5th Floor Pragati Maidan Metro Station Building Complex , New Delhi - 110001, India</p> <p>Telephone: +91 – 11 – 23454680, Facsimile number: +91-11-23454682 Electronic mail address : skpathak@dfcc.co.in</p>
ITA 7.2 – New clause	<p>Pre-submission Conference: A pre-submission conference will be held to clarify the issues related to this Pre-qualification document on the date, time and venue of the Pre-submission conference indicated below. Applicants should give their queries in writing well in advance before pre-submission Conference. All interested Applicants may attend the Pre-submission Conference. DFCC response to queries will be posted on the DFCCIL's website. Non-attendance at the pre-submission conference will not be a cause for disqualification of the Applicant.</p> <p>Date : 12.12.2011 (Monday) Time: 1500 Hrs. Venue : Conference Room, Dedicated Freight Corridor Corporation of India Limited, 4th Floor, Pragati Maidan Metro Station Building Complex, New Delhi-110001. Website of DFCC : www.dfccil.org / www.dfcc.in</p>

ITA 8.3	DFCCIL may issue addendum(s)/corrigendum(s) to the PQ documents. In such case, the addendum(s)/corrigendum(s) shall be issued and placed on DFCCIL website atleast three days in advance of date fixed for submission of PQ applications. The Applicants must visit DFCCIL website and ensure that such addendum (s)/corrigendum (s) (if any) is also downloaded by them. Such addendum(s)/corrigendum(s) (if any) shall also be submitted, duly stamped and signed, alongwith the submission of the PQ application. Any Application submitted without addendum(s)/ corrigendum(s) (if any) shall be summarily rejected.
ITA 9.2	The interested applicant may purchase the PQ document from the address given in PDS Para 7.1 between 1000 hrs to 1700 hrs. on all working days from 18.11.2011 to 5.1.2012 on payment of non-refundable cost of Rs.10,000/- in the form of DD/Banker's Cheque issued by SBI or any other nationalized bank or schedule bank of India in favour of Dedicated Freight Corridor Corporation of India Ltd., Payable at Delhi/New Delhi. Prequalification document requested by Post will be dispatched by Registered/Speed post/Courier on payment of an extra amount of Rs. 500/- (Rs. Five Hundred only). DFCCIL will be not held responsible for postal delay if any, in the delivery of the PQ document or non-receipt of the same. Alternatively prospective applicant can download the PQ document from DFCCIL website (www.dfccil.org) or (www.dfcc.in) . In case of downloaded application an account payee DD/Banker's Cheque issued by SBI or any other nationalized bank or schedule bank of India amounting to Rs. 10,000/- in favour of Dedicated Freight Corridor Corporation of India Ltd., Payable at Delhi/New Delhi has to be attached with the PQ application. The <i>PQ application</i> form shall be purchased and submitted only in the name of the JV Firm and not in the name of any constituent member.
C. Preparation of Applications	
ITA 10.1	The language of the application as well as of all correspondence is English .
ITA11.1 (d)	The Applicant shall submit with its application, the additional documents demonstrating access to the following key construction equipment required for the Project: Equipment: Fixed and mobile equipments for track laying, , flash butt welding machines, etc. Following document should be submitted to demonstrate access to the Key Construction Equipment and the design software required for the project: Details of ownership / leasing arrangement duly certified by a Notary.
ITA 14.1	The applicant shall submit the certificates from the Clients duly notarized for each contract included in Section IV: Form EXP – 2.1, 3.1(a), 3.1 (b) & 3.2 .

ITA 15.1	Authorization is required to be submitted :- (1) By the partners of JV in favour of their authorized representatives. (2) By the above representatives of JV partners in favour of the representative of Applicant (Lead member of JV) submitting the application on their behalf.
ITA 15.2	In addition to the original (hard bound), the number of hard bound copies to be submitted with the application is : Three One copy in digital - Read Only Diskette/CD/DVD shall also be submitted.
D. Submission of Applications	
ITA 17.1	Applicants shall not have the option of submitting their applications electronically. Applications submitted electronically will not be accepted and shall be rejected by the Employer. For application submission purposes only, the Employer's address is the same as that indicated as per ITA 7.1 above. The deadline for application submission is: Date: 6.1.2012 (Friday) Time : 1500 hrs
ITA 18.1	Late applications will be returned unopened to the Applicants.
ITA 20.2	After the deadline for submission of applications to the time of notification of the results of the pre-qualification in accordance with ITA 28, Applicant is not allowed to modify / supplement or change any information which has a material effect on his qualification status.
E. Procedures for Evaluation of Applications	
ITA 23.1	The margin of preference shall not apply for domestic Applicants
ITA 25.1	The Financial Situation and Experience of Associates, Parent Companies or Sister Companies shall not be considered unless they are part of JV.
ITA 29.1	Applicants are advised that the following description of bidding process is only a summary of information. Prequalified bidders shall be guided by the detailed provisions of the bidding documents after they have been made available to them. Pre-qualified Bidders (Applicants) will be invited to submit their proposal i.e. Technical and Financial Bids in separate packets, marked so clearly. Technical bids shall be in response to the performance/ technical specifications for the project included in the bid document. Technical proposals are un-priced proposals and shall contain no prices or price schedules or other reference to rates and prices for completing the works. Financial bid shall contain only the information as described in the bidding documents. Prior to submission of bids the Employer may conduct clarification

	<p>meetings with the Bidders to clarify any aspects of its Technical bid that require explanation and to review any queries/ suggestions of Bidder regarding commercial or contractual provisions of the bidding documents.</p> <p>The Employer will examine and carry out a detailed evaluation of the Technical bids to determine whether they are responsive or not. Responsive proposals are those proposals in which the technical documents are complete, properly signed by authorized representative, in order and in compliance to the performance/ technical specifications or other criteria specified in the bidding document.</p> <p>Any bids found to be non- responsive or not meeting the minimum levels of the performance or other criteria specified in the bidding document will be rejected by the Employer and not included for further consideration. The Financial Bid packets of such bidders will be returned to them unopened.</p> <p>Financial bids of Technically responsive proposals will only be opened and evaluated.</p> <p>Evaluation of bid: All bids shall be received by the same deadline and opened and evaluated simultaneously so as to determine the lowest eligible financial offer.</p>
ITA 30.1	Joint Venture: After pre-qualification the Bidders are not allowed to form Joint Venture with other Bidders.

Section III. Qualification Criteria and Requirements

This Section contains all the methods, criteria, and requirements that the Employer shall 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.

Contents

General

Qualification Criteria and Requirements

1.0 General:-

- (1) For the purposes of conversion of foreign currency to Indian Rupees (INR) use the Bank Currency (BC) selling exchange rate as published by State Bank of India on the date 28 days prior to last date of submission of application. For few of the currencies where BC selling rates are not published by SBI or Reserve Bank of India, the exchange rate may be obtained from the web site—<http://www.oanda.com/currency/historical-rates> or <http://www.xe.com/ict/>.
- (2) For the purpose of evaluation of proposals, all values given in INR in Eligibility and Qualification Criteria and the values provided by the applicants in their PQ proposals in the currency other than INR shall be converted into one currency i.e. INR as per exchange rate mentioned in note (1) above.
- (3) Applicants while identifying the proposed specialist subcontractors shall suggest name of only one sub-contractor instead of multiple sub-contractors for similar activity.
- (4) Track Works are those works which are related to any of the following works -
 - Laying and Linking of track for new lines/gauge conversion/ Track relaying by TRT/PQRS/Manual / in railways/metro railways or sub-urban rail system
- (5) In support of Form FIN 2.1 (Section IV) against eligibility criteria 2.1 the applicants must submit
 - certificate from client showing the details of payment received in a particular financial year,
 - and/or
 - TDS certificate/the audited balance sheet clearly indicating the contractual amount received.
- (6) For Forms 3.1(a) & 3.1(b) and 3.2
 - Self declared quantities are not acceptable. All completions to be certified by the client and attested by a Notary.
 - Value of a complete work done by a member in an earlier JV firm shall be reckoned only to the extent of the concerned member's share in that JV firm for the purpose of satisfying his/her compliance to the technical eligibility criteria in the tender under consideration.
 - Specialised sub contractor are permitted for track laying(3.1b) and design component of works. (3.2).

Qualification Criteria and Requirements

Eligibility and Qualification Criteria			Compliance Requirements				Documentation
No.	Subject	Requirement	Single Entity	Joint Venture			Submission Requirements
				All Parties Combined	Each Partner	One Partner	
1. Eligibility							
1.1	Nationality	Nationality in accordance with ITA Sub-Clause 4.3 & as specified in PDS.	Must meet requirement	Existing or intended JV must meet requirement	Must meet requirement	NA	Forms ELI – 1.1 & 1.2 , with attachments
1.2	Conflict of Interest	No conflicts of interest in ITA Sub-Clause 4.4	Must meet requirement	Existing or intended JV must meet requirement	Must meet requirement	NA	Form ELI -1.0 Application Submission Form
1.3	Ineligibility	Not having been declared ineligible by the Employer, as described in ITA Clause 4	Must meet requirement	Existing JV must meet requirement	Must meet requirement	NA	Form ELI -1.0 Application Submission Form
2. Financial Situation							
2.1	Financial Eligibility Criteria	The contractual payments received by the applicant / JV firm or the arithmetic sum of contractual payments received by all the members of the JV firm in the previous three financial year and the current financial year up to the date of submission of application shall be atleast Rs. 154 Cr.	Must meet requirement	Must meet requirement	NA	N/A	Form FIN – 2.1
3. Experience							
3.1 (a)	General Construction Experience	The applicant / JV Firm or Lead Member of the JV Firm must have satisfactorily completed in the last three previous financial years and the current financial year upto the date of submission of application one single civil work of Railways, Highways, expressway, sea port, air-ports for a minimum value of Rs. 36 Cr.	Must meet requirement	Must Meet requirement Or Lead member Must Meet Requirement	N/A	N/A	Form EXP 3.1(a).
3.1 (b)	Specific Construction Experience	The applicant /JV firm or Lead Member of JV firm or Specialized Sub-contractor must have satisfactorily completed a minimum construction experience in Aggregate Track Laying or Relaying : 50 Km track length (no single work should be less than 15 Kms each) in the last three previous financial years	Must Meet requirement or can be a Specialised Sub-	Must Meet requirement or Lead Member Must Meet	N/A	N/A	Form EXP – 3.1 (b)

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture			Submission Requirements
				All Parties Combined	Each Partner	One Partner	
		and the current financial year upto the date of submission of application.	contractor (Only one sub-contractor is permitted)	Requirement or can be a Specialised Sub-contractor (Only one sub-contractor is permitted)			
3.2	General Design Experience	Participation as a Design Consultant or Design Sub-Consultant or in-house Designer, within the last 5 <u>(five)</u> years and should have designed railway/highway alignment.	Must meet requirements (can be a specialist sub-contractor) (Only one sub-contractor is permitted)	Must meet requirements (can be a specialist sub-contractor) (Only one sub-contractor is permitted)	N/A	N/A	Form EXP – 3.2

Section IV. Application Forms

Table of Forms

Application Submission Form

AFFIDAVIT Form

Applicant Information Form

Applicant's Party Information Form

Financial Eligibility Criteria details

General Construction Experience

Specific Construction Experience

General Design Experience

Form ELI -1.0

Application Submission Form

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

NCB No. and title: *[insert NCB number and title]*

To: *[insert full name of Employer]*

We, the undersigned, apply to be pre-qualified for the referenced NCB 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 eligible nationality of a country, in accordance with ITA Sub-Clause 4.3: *[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 4.4;
- (d) we, including any subcontractors or suppliers for any part of the contract resulting from this prequalification, have not been declared ineligible by the Employer in accordance with ITA Sub-Clauses 4.6 & 4.8.
- (e) we, in accordance with ITA Sub-Clause 24.1, plan to subcontract the following key activities and/or parts of the works:

[insert any of the key activities identified in Section III- 3.1 (b) & 3.2 which the Applicant intends to subcontract]
- (f) we declare that the following commissions, gratuities, or fees have been paid or are to be paid with respect to the prequalification process, the corresponding bidding process or execution of the Contract:

<u>Name of Recipient</u>	<u>Address</u>	<u>Reason</u>	<u>Amount</u>
<i>[insert full name for each occurrence]</i>	<i>[insert street/number/city/country]</i>	<i>[indicate reason]</i>	<i>[specify amount in local currency and equivalent INR]</i>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

[If none has been paid or is to be paid, indicate "none".]

- (g) 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 pre-qualified applicants to bid for the contract subject of this prequalification, without incurring any liability to the Applicants, in accordance with ITA Clause 26.

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]*

Form ELI 1.0 (a)
[refer: ITA sub clause 4.8]

FORMAT FOR AFFIDAVIT TO BE SUBMITTED BY APPLICANT ALONGWITH THE APPLICATION

*(To be executed in presence of Public Notary on non-judicial stamp paper of the appropriate value in accordance with relevant stamp Act. The stamp paper has to be in the name of the Applicant(s))**

I *(Name and designation)***..... appointed as the attorney / authorized signatory of the Applicant (including its constituents), M/s. _____ (hereinafter called the Applicant) for the purpose of the Application for the work of _____ as per the Application No. _____ of DFCCIL, do hereby solemnly affirm and state on behalf of the Applicant including its constituents as under:

- *1. The Applicant or any of its partners and/or subcontractors included in the application for pre-qualification has not 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 pertaining to Banning of Business, with the Banning being valid as on the last date of submission the PQ Application.
2. That Applicant or any of its constituents is neither Bankrupt / Insolvent nor is in the process of winding-up nor there is a case of pending before any Court on the deadline of submission of the Application.
3. We declare and certify that we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
4. We declare that the information and documents submitted along with the tender by us are correct and we are fully responsible for the correctness of the information and documents, submitted by us.
5. We understand that if the contents of the affidavit are found to be false at any time during Application evaluation, it will lead to rejection of the application. Further, we _____ and all our constituents understand that we shall be liable to be blacklisted from award of any future contract for a period of five years from the date of submission of the Application.

6. We also understand that if the contents of the affidavit are found to be false at any time after the award of the contract it will lead to termination of the contract, forfeiture of Bid or Performance Security and Blacklisting, from any award of future contracts for a period of five years from the deadline for submission of Applications.

SEAL AND SIGNATURE OF THE APPLICANT

Verification:

Verified on _____ day of _____ at _____ that the contents of the above mentioned affidavit are true and correct and nothing material has been concealed there from.

SEAL AND SIGNATURE OF THE APPLICANT

- * *The contents in Italics are only for guidance purpose and details as appropriate, are to be filled in suitably by Applicant.*

Attestation before Magistrate/Public Notary

**Form ELI -1.1
Applicant Information Form**

Date: *[insert day, month, year]*
 NCB No. and title: *[insert NCB number and title]*
 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 <input type="checkbox"/> Articles of Incorporation or Documents of Constitution, and documents of registration of the legal entity named above, in accordance with ITA 4.3. <input type="checkbox"/> In case of JV, letter of intent to form JV

Form ELI -1.2
Applicant's Party Information Form

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

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

NCB No. and title: *[insert NCB number and title]*

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

JV applicant/ specialist subcontractor legal name: <i>[insert full legal name]</i>
JV applicant/ specialist subcontractor legal name: <i>[insert full legal name of Applicant's Party]</i>
JV applicant/ specialist subcontractor country of registration: <i>[indicate country of registration]</i>
JV applicant/ specialist subcontractor year of constitution: <i>[indicate year of constitution]</i>
JV applicant/ specialist subcontractor legal address in country of constitution: <i>[insert street/ number/ town or city/ country]</i>
JV applicant/ specialist subcontractor 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 4.3.

Note: - Separate ELI 1.2 form is required for all the individual participants (members) in the JV as well as subcontractors.

Form FIN - 2.1
Financial Eligibility Criteria Details

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

Applicant's/Joint Venture Partner's Legal Name: *[insert full name]*

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

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

NCB No. and title: *[insert NCB number and title]*

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

Contractual payments received (construction only)		
Year (Financial year to be indicated by Applicant)	Amount and Currency	Equivalent INR
Current Year (2011-12)	<i>[insert amount and indicate currency]</i>	<i>[insert amount in INR equiv.]</i>
Year 1 (2010-11)		
Year 2 (2009-10)		
Year 3 (2008-09)		
Total Contractual Payment		

NB : In support of above please provide documents as detailed in Section –III General Para 5.

Form EXP - 3.1(a)
General Construction Experience

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

Applicant's/Joint Venture Partner's Legal Name: *[insert full name]*

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

JV Party Name: *[insert full name]*

NCB No. and title: *[insert NCB number and title]*

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

Contract No. <i>[insert number] of [insert number of similar contracts required]</i>	Information		
Contract Identification	<i>[insert contract name and number, if applicable]</i>		
Award date	<i>[insert day, month, year, e.g., 15 June, 2015]</i>		
Completion date	<i>[insert day, month, year, e.g., 03 October, 2017]</i>		
Role in Contract	Contractor		
Total Contract Amount	<i>[insert total contract amount in the currency as given in the contract]</i>	<i>[insert total contract amount in equivalent INR]</i>	
If partner in a JV, , specify participation in total contract amount	<i>[insert a percentage amount]</i>	<i>[insert total contract amount in the currency as given in the contract]</i>	<i>[insert total contract amount in INR equivalent]</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>		
Description of the similarity in accordance with Sub-Factor 3.1 (a) of Section III:			
1. Amount	<i>[insert amount in the currency as given in the contract and equivalent INR in words and in Figures]</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 V, Scope of Works]</i>		

**Form EXP - 3.1(b)
Specific Construction Experience**

Applicant's Legal Name: *[insert full name]*
 Date: *[insert day, month, year]*
 Applicant's Party Legal Name: *[insert full name]*
 Subcontractor's Legal Name (if applicable): *[insert full name]*
 NCB No. and title: *[insert NCB number and title]*

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

The applicant or specialist subcontractor must complete the information in this form as per Section III, Qualification Criteria and Requirements, Sub-Factor 3.1(b).

1. Key Activity No:

Contract No. <i>[insert number] of [insert number of similar contracts required]</i>	Information		
Contract Identification	<i>[insert contract name and number, if applicable]</i>		
Award date	<i>[insert day, month, year, e.g., June, 2015]</i>		
Completion date	<i>[insert day, month, year, e.g., 3 Oct, 2017]</i>		
Role in Contract	Contractor/specialist sub-contractor		
Total Contract Amount	<i>[insert total contract amount in the currency as given in the contract]</i>	<i>[insert Total contract amount in equivalent</i>	<i>[insert Total contract amount in INR]</i>
If party in a JV, specify participation of total contract amount	<i>[insert a percentage amount]</i>	<i>[insert total contract amount in the currency]</i>	<i>[insert total contract amount in INR]</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>
Description of the track work executed in accordance with sub-factor 3.1(b) of section III.	<i>(Insert the Length executed)</i>

**Form EXP - 3.2
General Design Experience**

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

Applicant's/Joint Venture Partner's Legal Name: *[insert full name]*

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

JV Party Name: *[insert full name]*

NCB No. and title: *[insert NCB number and title]*

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

Contract No. <i>[insert number] of [insert number of similar contracts required]</i>	Information		
Contract Identification	<i>[insert contract name and number, if applicable]</i>		
Award date	<i>[insert day, month, year, e.g., 15 June, 2015]</i>		
Completion date	<i>[insert day, month, year, e.g., 03 October, 2017]</i>		
Role in Contract	Design Consultant		
Total Contract Amount	<i>[insert total contract amount in the currency as given in the contract]</i>		<i>[insert total contract amount in equivalent INR]</i>
If partner in a JV specify participation in total contract amount	<i>[insert a percentage amount]</i>	<i>[insert total contract amount in the currency as given in the contract]</i>	<i>[insert total contract amount in equivalent INR]</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>		
Description of the similarity in accordance with Sub-Factor 3.2 of Section III:			

PART 2- Works Requirements

Section V. Project Information and Scope of Works

Contents

Clause	Description
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3.0	Salient features of the project : New Karwandiya - Durgauti Section
4.0	Scope of Works
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4.2.1	Track Design Criteria
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4.2.3	Mechanized laying of P-way
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4.2.5	Testing commissioning and inter-facing
5.0	Project Implementation
6.0	Interfacing with system & other contractor
7.0	Site and Other Data
7.1	Access to Site
7.2	Project Area
7.3	Hydrology
7.4	Climate
7.5	Medical Facilities

Project Information & Scope of Work in Brief

1. General

- 1.1 Dedicated Freight Corridor Corporation of India (DFCCIL) is a Special Purpose Vehicle set up under the administrative control of Ministry of Railways to undertake planning & development, mobilization of financial resources and construction, maintenance and operation of the Dedicated Freight Corridors. In the first phase, DFCCIL will be constructing two corridors – the Western DFC and Eastern DFC- spanning a total length of about 3300 route km. The Eastern Corridor, starting from Ludhiana in Punjab and pass through the states of Haryana, Uttar Pradesh, Bihar, Jharkhand and terminate at Dankuni in West Bengal. The Western Corridor will traverse the distance from Dadri to Mumbai, passing through the states of UP, Delhi, Haryana, Rajasthan, Gujarat and Maharashtra.

The route alignment of Freight Corridors is mostly parallel to existing adjacent Indian Railway Track. However alignment is on detour at some locations to avoid social/environmental/wild life impact.

The project entails construction of mostly double-track electrified railway lines. Sub Structure such as Bridges and embankment would be fit for 32.5 Tonne Axle load and Super structure would be designed for handling 25 Tonne axle load with train speed up to 100 Km/h.

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 freight corridor.

2.0 Project Information – New Karwandiya to Durgawati Section

DFCCIL has entered into the contract for Design & Construction of Formation including Blanketing, Major Bridges, Minor Bridges, RUBs, ROBs, Supply and spreading of ballast and other related infrastructural works from Chainage 14.108Km (Rly. KM 564) to Chainage 119.437Km (Rly.KM 667) on Howrah Delhi Route (Approx. 105 KMs) for which the work between Karwandiya to Durgawati (564 to 630 approx. 66 Kms) is in advance stage of completion.

The DFC section between Karwandiya to Durgawati (564 to 630 approx. 66 Kms) falls in the above 105 Km stretch and is parallel to existing adjacent IR track. The proposed New Karwandiya and Durgawati Stations are located near existing Karwandiya and Durgawati stations of IR. The section traverses through two districts (Rohtash and Kaimur) of Bihar for app. 66 Km and balance is in Chandauli/Kaimur district of Uttar Pradesh & Bihar respectively.

2.1. DFCCIL intends to commission the aforesaid section of 66 Kms between New Karwandiya to Durgawati (564 to 630 approx. 66 Kms) and accordingly invites bids on Design & Build Lump sum basis for Design, procurement, Construction of Track and track related works and its testing & commissioning for double track electrified railway line for Eastern Dedicated Freight Corridor.

3. Salient Feature of the project :

The salient engineering features of the section and standards to be adopted are as under:-

SN	Description	Details
1	Route Length	RKM - 66 Km (Approx.) TKM – 142 km (Approx.)
2	Ruling Gradient	1:200 (compensated)
3	Steepest Gradient in yards	1:1200, 1:400 in exceptional cases with approval of DFCC
4	Formation	Two layer system as per RDSO spec.
	Bank width for Double line	14.5 mt
	Slope Embankment	2:1 (H:V) (minimum)
5	Curves	
	Maximum degree of curvature	2.5 Degree (700 mtr Radius)
	Curve Compensation	@ 0.04% per degree of curvature
	Vertical Curves.	Shall be provided with Radius 4000 mtr. as per provision of IR P.Way Manual
6	Moving Dimensions	
	Vertical MMD	5.1 mtr
7	Vertical SOD (i) For Light Overhead Structure like FOBs (ii) For Heavy Overhead Structure like ROB	6.53 m minimum 6.05 m minimum Extra clearance 275mm should be provided as per provisions of SOD for EDFC.
8	Track Centres	
	Between two tracks of DFC	6 m (minimum)
	Between Existing track and DFC	As given in the L- Section as a part of Bid document.
9	No. of Major bridges	3
10	No. of minor bridges	125
11	Total nos. of Level Crossings	30
12	Track Structure	25 T axle loading as per IR standards
	Gauge	1676 mm
	Rails	Rails UIC 60kg–90UTS–IRST12-2009
	Sleepers	Mono-block Concrete, rail seat for

	Sleepers for Level Crossings & Bridges Rail Length Welding	60 Kg/m rails as per RDSO drawing no. T-7008 for 25 tonnes axle load. Will be with 1676mm gauge and provided at the time of bid. Rolled section as per IRS- T12 - 2009 13 m / 26 m (Length is indicative). Flash Butt Welded to 130 m or more Further Welded to CWR in track using Mobile Flash Butt Welding Plant.
	Fastenings	ERC MARK –V – RDSO-T-5919 10mm thick composite rubber pad – RDS-T-7010. GFN liner – New Design as per 1676mm gauge. RDSO design will be given at the time of Bid.
	Turnouts Sleepers Thick Web Switch Layout Thick Web Switch	RDSO T-4218 * RDSO T-6154* RDSO T-6155*
	SEJs	RDSO design for the same for 1676mm gauge will be given at the time of bid.
	Yards	As per approved yard plans of DFC.
	Other Components	SEJ – IRS/New Design RDSO/T-6902 & 6922 Glued Insulating Joints- IRS/New Design RDSO/T-5843 (60Kg 90 UTS) Buffer Stops - IRS Design
	Ballast	IRS GE-1 Specifications 350 mm Cushion on M/L 250 mm Cushion on other lines
	Track Construction	Mechanized with appropriate plant and machinery.
	Specifications	Design and Construction Conforming to Indian Railway Standards
13	DFC Jn. Station**	2 (New Karwandiya & Durgawati)
15	Crossing station	2(Kudra and Durgawati)
<p>*The drawing numbers for different track component mentioned above are indicative only. Correct drawing no. will be given at the time of Bid.</p> <p>**DFC Jn. Stations are those stations where there are connections between IR and DFC track.</p>		

4. Scope of work in brief :

4.1 Track Works :

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

- a) Track on main line, yards, special location like level crossings, points and crossings, bridges, etc. complete including connecting with existing IR track as per the plans approved by the Employer.
- b) Track superstructure including but not limited to setting out, benchmarking, rail and sleepers with fastenings, turnouts, dead ends, expansion joints, track signage;
- c) Road corrections for the roads affected by the railway line and relevant facilities;
- d) Remodeling of Level Crossing Gates of Existing Indian Railways Network located on DFCC alignment;
- e) Yard complexes including fencing,
- f) Any other activity connected with the construction of track commissioning.

4.2. There are five main parts of this work

4.2.1 Track Design criteria

- (1) Research Design and Standards Organization (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 Standard (IRS) Specifications, which are generally based on International Specifications and adopted to Indian conditions.
- (2) **Design Axle Load of 25** tonnes with train speed of up to 100 kmph and trailing load up to 15,000 tonnes. The track infrastructure will also comprise of providing crossing stations with loops of 750 m extendable to 1500 m, level crossings, turn-outs, switch expansion joints, rail insulated joints, sidings, junction stations and integration with the existing Indian Railway Lines.
- (3) The track layout shall be based on the provisions contained in Indian Railways Permanent Way Manual, Track Manual & relevant IRS specifications with latest amendments/corrections upto the date of opening of bid.

Employer will give RDSO design and drawings for following track components fit for 25T axle load:

- i) PSC concrete sleepers for main line
- ii) PSC sleepers for level crossing and bridges
- iii) PSC sleepers for turnouts
- iv) PSC sleepers for SEJs

However for the other items including but not limited to following will have to be designed by the contractor and submitted to the employer for it clearance by RDSO. It will be the prime responsibility of the contractor to get the necessary clearance for these components. DFCC will extend all help in getting the requisite clearance from RDSO. These components are:

- i) Canted points and crossings with thick web switches

ii) Weldable CMS crossings.

Contractor has to validate these design and drawings and get it cleared from the Engineer.

The alignment as shown in project sheets is to be considered only indicative and the Contractor is to acquaint and satisfy himself regarding the site conditions.

The final designs of the track layouts, including horizontal and vertical alignment, station yard layout, LWR/CWR plans, etc. shall be agreed by the Engineer before execution of track works.

Interlocking of switches, earthing and bonding of electrical circuit arrangements in the track will be done by the Systems & other Contractor. The Contractor of this PQ shall do necessary interfacing with the Systems & other Contractor so that there is no delay/ holdup.

4.2.2 Procurement of P-Way materials

4.2.2.1 Rails :

13/26m (**Length is indicative**) long Rails will be supplied to the contractor ex. Works Bhilai by the employer. The transportation for the same either through Railway wagons or by Road will be responsibility of the Contractor. For the information of the contractor to bring rails from Bhilai there are two booking stations in the subject stretch namely Sasaram and Bhabhua where rails can be booked from Bhilai.

4.2.2.2 Sleepers : (Main line) :

Mainline PSC sleepers shall be procured by the contractor through any RDSO approved sleeper manufacturer or by setting up of his own plant as per the existing guidelines of RDSO. In case of procurement of sleepers by setting up of the plant by the contractor himself DFCC will assist the contractor for RDSO inspection for clearance of the plant for mass production of sleepers.

4.2.2.3 Other Components :

RDSO maintains 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 indicted in the Bidding document.

The list of suppliers / vendors approved for various items are available at the website of RDSO (www.rdsogov.in). 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.

4.2.3 Mechanized Laying of P-Way

The contractor has to do the laying and linking of track by mechanized method through machines like new track construction machines NTC or similar type. The rails brought to site shall be welded by Flash Butt welding machines in the depot in a length of 130 m/260m. The long welded rail panels and sleepers are then loaded on sleepers/rail car and transported to site alongwith the NTC machines so as to avoid damage to rails and sleepers.

Or

The contractor has to do laying and linking of track by PQRS method as prevalent on Indian Railways. The rails brought to site shall be welded by flash butt welding machines in stationary/moving depot in a length of not less than 130/260 mtr.

Rail panels, after laying in track, shall be welded to make Continuously Welded Rail (CWR) track for as much length as possible, for which the Contractor shall prepare the CWR plans for the approval of the Engineer in advance under design submission schedule in accordance with the design principles/provisions contained in LWR Manual.

4.2.4 Welding of Rails –

The rail panels, used for CWR track shall be of length not less than 130 mtr. All rails joints shall be welded in construction depot or manufacturing unit using Flash Butt welding process. The rails panels of length 130mtr. or more shall be welded together in-situ to make LWR/CWR panels as per the approved plans using mobile flash butt welding plant. In case of isolated welds, Alumino Thermic (AT) weld process may be used, with prior permission of the Director(DFCCIL)/Engineer.

4.2.5. Testing Commissioning and Interfacing :

Contractor will have to take the overall responsibility for the testing and commissioning of his work and all interfacing issues with other contractors deployed by the Employer on the project.

5. Project Implementation

5.1 The Project involves Design of Track 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 above.

5.1.1 The **Construction Period shall be 18 months** (including Design Period) from the date of award of the contract(s). 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 18 months from the date of award of

contract. This will be followed by the **Defect Liability Period of one year after commissioning of complete rail system by system contractor.**

- 5.2 CPM/Dy.CPM/DFCCIL will be the Engineer for the Project. Alternatively DFCCIL may appoint Engineer.
- 5.3 As a part of the Bid Documents, the Pre-qualified Bidders will be provided with Employers Requirements, Concept Design, Performance Specifications and the other available indicated field data e.g. Alignment.

The field data provided as a part of the Bid Documents by the Employer is for reference purposes only. The Bidder will have to satisfy himself with the field data furnished and make his own investigations, if required, for submitting his offer. The Bidder shall be deemed to have obtained all necessary information as to risks, contingencies and all other circumstances which may influence or affect his Bid. Costs associated with any change in design or construction methodology later during execution on account of any change will be borne by the Contractor.

- 5.4 The Employer's Requirements/Performance Specifications provided as a part of the Bid Documents, specify the procedural requirements for the preparation of the design of the Permanent and Temporary Works.

6.0 Interfacing with System & other Contractor

- 6.1 New Karwandiya-Durgawati section shall be electrified with 2x25 KV Systems and provided with Automatic Signaling. The Track Works Contractor(s) appointed through this PQ exercise shall be required to interface, coordinate and cooperate with the project wide Systems Contractor engaged to execute the Signaling, Telecommunications, Electrification and SCADA Works in such a way that complete Railway System is commissioned successfully in a time bound manner. The Track works Contractor(s) are expected to provide the Systems Contractor the necessary access to enable the Systems Contractor to undertake their component of work. Any other costs involved, the parties will negotiate cost sharing arrangements amongst themselves. Detailed Interfacing Requirements shall be provided in the Bid Documents.

7.0 Site and Other Data

7.1 Access to Site:

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

- Transportation by road is well developed in Eastern area of India.
- Railway transportation is also well developed in this area.
- Cargos can be transported from Mumbai or Kolkata seaport.

- Airports are located at Delhi , Lucknow, Varanasi, Patna.
- Public telephone facilities are well developed whole stretch of EDFC alignment.
- Mobile phones are also well developed whole stretch of EDFC alignment.
- Internet access is available in the whole country of India with wire or wireless. Connection speed is depending on service providers.

7.2 Project Area: The Works will be carried out between Karwandiya and Durgawati in the state of Uttar Pradesh. The proposed alignment will pass across the almost flat Indo Gangetic plain and will mostly be parallel to the double line section of Indian Railways. There will be some deviations from this route to avoid stations and some urban areas.

A sketch showing the alignment is attached as Annexure 1.

7.3 Hydrology: The project area is generally flat and is prone to flooding during the monsoon. Flooding is generally attributed to the high ground water table and silting of water courses coupled with rainfall intensity and low hydraulic gradients.

7.4 Climate: The climate of the project is a Tropical Monsoon Climate Marked by three distinct seasons:

Summer (march-June): Hot & dry with average temperatures of 45°C sometimes reaching 47-48°C with low relative humidity (20%) and dust laden winds.

Monsoon (June-September): 85% of the average annual rainfall of 990 mm precipitates during this period and temperatures range from 40-45 °C on rainy days.

Winter (October-February): Cold with temperatures in the range of 3-4°C sometimes dropping below freezing in elevated areas. Foggy conditions can occur in some tracts.

7.5 Medical Facilities

- General hospitals are available in major cities, such as Varanasi, Sasaram, Sonenagar
- Other hospitals are also available in every city area.
- Clinics are also available in villages along the EDFC alignment.
- Injections are all disposal type in order to prevent from transfer of any type of diseases.

ANNEXURE - I



