



**BIHAR STATE ROAD DEVELOPMENT CORPORATION LIMITED**

(A Govt. of Bihar Undertaking)

Regd. Office: RCD Central Mechanical Workshop Campus, Near Patna Airport, Sheikhpura, Patna-800014

Tel: 0612-2226711 Fax: 0612-222672, [email-bsrdcltd@gmail.com](mailto:email-bsrdcltd@gmail.com), [www.bsrdcl.bih.nic.in](http://www.bsrdcl.bih.nic.in)

**Reply to Queries of Pre bid meeting-1 dated 10.08.2013 at JW Marriot, Mumbai**

**Project: Construction of Elevated Road Corridor from AIIMS (on NH-98) to Digha (on Ganga Path) (10.50 Km) at Patna in the State of Bihar**

Sl. No	Referred Clause	Query / Suggestion	Reply
1	2.2.1 e (i), Bid Capacity: The Bidder shall have the Bid Capacity more than 1160.00 Cr.	We understand that in case of JV, simple Arithmetic sum of the Bid Capacities of all the partner shall be more than 1160.00 Cr.  Please confirm.	confirmed
2	2.2.1 e (i), Note: In case of project experience from outside India, the certificate from the Client's representative, not below the Project in charge duly countersigned by the Indian Embassy in that country/apostille certificate in lieu should be submitted with the Technical Bid.	Does it mean that, in case if the project is done by an Indian company at some foreign country, the same shall also be required vetting from Indian Embassy/Apostille Certificate in that country. Or it is applicable for foreign bidders only?  Please Confirm.	In case if the project is done by an Indian company at foreign country, the work experience certificate shall be signed by the project in charge necessarily duly signed by Statutory Auditor/Chartered Accountant of the company.  In case company of Incorporation is outside India the experience certificate shall be signed by the Client's representative, not below the Project in charge duly countersigned by the Indian Embassy in that



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			country/apostille certificate in lieu should be submitted with the Technical Bid.
3	2.2.1 e (ii), Experience of flyover & Elevated Structure: One completed project within the last seven years preceding the Bid due date towards the construction of one Flyover/Elevated Structure of minimum 3000 meter length excluding approaches	<p>In the recent past, BSRDCL invited the tender for "Construction of Ganga Path from Digha to Didarganj (21.5 km)". The length of the Gangapath was 21.5 km for which the experience of construction of 2000 meter elevated road was required, whereas the same has been asked 3000 meter in the subject tender which has the length only 10.5 km.</p> <p>We request that same may be reduced to 2000.00 meter as it was in the earlier tender.</p>	No changes envisaged. As per RFQ cum RFP
4	2.2.2 (A), Threshold Technical Capacity: Provided that at least one work from the Eligible Projects in Category 1, 2, 3 & 4 specified in clause 3.2.1 having project cost equivalent to 25% of Estimated project cost (i.e. 25% of 1160.00 Cr.) shall	<p>In the earlier invited tender for construction of Ganga path the same criteria was asked for during the last seven (7) years instead of five (5) years.</p>	No changes envisaged. As per RFQ cum RFP



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	have been commenced & completed during the last five years preceding the Bid Due Date.	We request you to amend the current duration of 5 years to 7 years in this tender also.	
5	2.2.2 (B) (iii), Profitability: The Bidder shall be required to have positive "Profit before Tax" [as per its audited books of accounts] during the last 2(two) financial years immediately preceding the Bid Due Date	This clause may be amended as "The Bidder shall be required to have positive 'Profit Before Tax' in at least 2 years, out of the last 5 audited financial years preceding the bid due date".  The same was amended in Ganga path tender also.  Please confirm.	No changes envisaged. As per RFQ cum RFP
6	Scope of work, Schedule B, DCA, Page 146: Development of the Project Highway shall include construction of additional <b>2 lane (3km)</b> and <b>4 Lane (7.5km)</b> Elevated Road Corridor over Patna canal	We understand <b>2 lane</b> Road on Embankment is from Ch. 0+00 to Ch. 2.125 = <b>2.125km</b> . Please confirm.  <b>4 lane</b> Elevated Road is from Ch. 2.326km to Ch. 10.730km = <b>8.405km</b> . Please confirm	The project proposal details are as below:  Km0+000 - Km1+148.: RHS 2 Lane road on Embankment  Km1+148- Km2+324:- 4 Lane



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			approach road Km2+324 to Km10+600- 2x2 lane Elevated Corridor Km10+600 to Km11+900 – 4 lane elevated on embankment/structure.
7	Scope of work, Schedule B, DCA, Page 155, Cl.3: At Ch. 11+900, at grade rotary / Interchange is proposed	Provision of at grade Rotary was Part of Gangapath Project, Request you to exclude the same from this contract.	At Grade rotary with additional 2-lane is in the scope of this project. Please refer concept plan drawing provided as Junction 2
8	Scope of work, Invitation for Bid: Construction of Elevated Road Corridor from AIIMS (on NH-98) to Digha (on Ganga Path) (10.50 Km). Total Length is 10.5km.	In Plan and Profile drawing Starting chainage is Ch. 0+00 and End chainage is 11+898, <b>Total length is 11.898km.</b> Please confirm	Total length of the project is 11.898 Km (AIIMS to Ashok Rajpath including Rotary improvement at Digha)



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9	Scope of work, Draft EPC agreement, Schedule B, Clause 10, Pg. 162: It is stated that 200 trees to be planted by Contractor as compensatory afforestation.	We presume that land shall be made available to plant trees by Employer.  Kindly clarify where these trees shall be planted.	Land for plantation of trees shall be made available by the Authority
10	Re-habitation of canal banks, Draft EPC agreement, Schedule B, Cl. 12, Pg. 162: The re-habitation of canal banks is an integral part of project.	We presume scope of work includes only reinstatement of Canal at its present form and profile; It does not include canal lining / improvement. Please confirm.	Scope of work for canal includes:  a. Reinstatement of canal banks as per the trapezoidal design cross section of canal supplied from the Dept.  b. Lining with stone pitching of both canal banks upto FSL at the affected length (i.e. mostly the elevated part of the corridor which runs within the canal cross section.  c. At pier locations, additional stone pitching 1m all around the pier has been considered.



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11	Plan and Profile, Tender Drawings, Plan and profile are provided from Ch 0+00 to Ch 11+897	Can we modify FRL levels?	The minimum FRL shall be maintained as indicated in Plan and Profile.
12	Qualification, RFQ cum RFP, Cl. 2.2.11, Pg. 18: Qualification is open to persons from any country	Since the project does not need to import technology from any foreign country, so only domestic bidders shall be allowed to participate in the project.	No changes envisaged. As per RFQ cum RFP
13	Specification for Reinforcement steel, General arrangement drawing: In the Notes given on General arrangement drawing, It is mentioned reinforcement steel shall be corrosion resistance TMT HYSD bars (FE 500) conforming to IS-786	IS:1786 does not specify for the use of corrosion resistance steel.  We presume that TMT HYSD bars (FE 500) conforming to IS-1786 will be used.	Reinforcements shall be thermo mechanically treated (TMT) deformed with corrosion resistance steel (CRS) bars of grade Fe 500D conforming to IS: 1786:2008(latest prevailing amendment). Only uncoated steel shall be used as reinforcement
14	Span Arrangement, Draft EPC agreement, Annex I, Schedule-B, Cl. 7.3.2, Pg. 160: Km2+325 to Km10+730 =	We presume that span arrangement shown is indicative only, and bidder can propose different span configuration for the viaduct, ROB etc?	Yes. Span arrangement is indicative only.  Bidder can adopt different span



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	Total Elevated length = 8.405km Span Arrangement are (8x30m+4x35m+9x30m+1x70m+93x30m+28x10m+126x30m +3x35m+17x30m+2x35m+5x30m)		configuration maintaining the minimum requirements/constraints at various obligatory locations specific to this project.  Also, span connectivity for better riding, the total length of via-duct & Nos. of other structures shall be kept same as proposed in the Draft EPC Agreement
15	Span arrangement, Plan and Profile Drawings: At Ch. 5.960km alignment is passing below bailey road flyover. Here span configuration specified is 28nos x 10m.	We presume that span arrangement shown below Bailey Road Fly over is only indicative and bidder is free to propose different span configuration?	Yes, Bidder can adopt different span configuration maintaining the minimum vertical/lateral clearance requirements/constraints specific to this location.  Min vertical clearance required below the soffit of existing Bailey Road flyover, Minimum vertical



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			clearance above canal FSL, Sufficient lateral clearance from the existing foundation edge etc. should be considered.  This arrangement is indicative only. The bidders are required to examine the site conditions in detail and design the elevated highway accordingly
16	Span arrangement, Plan and Profile Drawings: At Ch. 11+200 alignment is cutting proposed NHAI road.	Request you to provide typical cross section at Ch. 11+200 where alignment is cutting proposed NHAI road.	Shall be provided.
17	Type of Foundation and Superstructure, Typical GAD and Cross section: Pile foundation and I-Girder superstructure is given	We understand that bidders are allowed to adopt any type of foundation and superstructure design. Please confirm.	The foundation shall be pile foundation. Bidders may adopt innovative superstructure provided it is safe and has satisfactory performance within its service life.





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18	Dates for Providing ROW, Draft EPC agreement, Annex II, Schedule-A, Pg. 162: Width of ROW from Ch. 2.700 to Ch. 10.600 is not mentioned.	Request you to let us know the width of ROW from Ch. 2.700 to Ch. 10.600.	Varying from 30 m to 45m
19	Performance Security, Draft EPC agreement,  Article 7, Cl. 7.1.1, Pg. 29: within 15 (fifteen) days of the date of this Agreement, an irrevocable and unconditional guarantee for an amount equal to <b><u>7.5% (seven point five percent)</u></b> of the Contract Price from a Bank	Pl correct to "within 15 (fifteen) days of the date of this Agreement, an irrevocable and unconditional guarantee for an amount equal to <b><u>5% (five percent)</u></b> of the Contract Price from a Bank.	No changes envisaged. As per Draft EPC Agreement
20	Release of performance security, Draft EPC agreement,  Article 7, Cl. 7.4, Pg. 30, The Authority shall return the Performance Security to the Contractor within 60 (sixty) days of the later of the expiry of the Maintenance	Request you to release 50% of performance security after completion period and remaining 50% after Maintenance Period or the Defects Liability Period.	No changes envisaged. As per Draft EPC Agreement



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	Period or the Defects Liability Period under this Agreement.		
21	Retention Money, Draft EPC agreement, Article 7, Cl. 7.5, Pg. 30: Authority shall deduct 6% (six per cent) thereof as guarantee money for performance up to max 5% (five per cent) of the Contract Price.	We will submit Bank Guarantees of 5% after award of work and request you not to make cash retention. Please confirm.	No changes envisaged. As per Draft EPC Agreement
22	Draft EPC Agreement, Article 9, Pg. 37, Cl. 9.2: Shifting of existing underground and overhead utilities, Tree cutting	Please remove the scope, Department may directly execute utility diversion.	No changes envisaged. As per Draft EPC Agreement
23	Change in law / Change in legislation, Ban on mining, Draft EPC Agreement, CL. 19.17, Pg. 88: Any addition or reduction in cost shall be suitably compensated, at present stone mining is banned in Bihar State.	During the course of construction of the project in near future Govt. Of Bihar may lift ban on mining of stone aggregate. Please let us know whether such action of Govt. Will consider as change in legislation.	As per Draft EPC Agreement



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24	Defect Liability period,  RFQ cum RFP, Cl. 1.1.3, Pg. 6: Maintenance of the Project during the defects liability period, which is expected to be <b>3 (Three) years</b>  Draft EPC Agreement, Article 14, Pg. Article 17 Pg.: Defect Liability and Maintenance period is <b>5 years</b>	Request you to let us know the duration for Defect Liability and Maintenance period.	The defect liability and Maintenance period shall be 5 Years
25	Definitions and Interpretations, Draft EPC agreement, Article 1, Sub Clause 1.2.3 Page No 9: The rule of construction, if any, that a contract should be interpreted against the parties responsible for the drafting and preparation thereof, shall not apply	Delete the provision in entirety as it contradicts the reasonable contractual interpretation	No changes envisaged. As per Draft EPC Agreement
26	Shifting of obstructing utilities, Draft EPC agreement, Article 9, Clause 9.2 Page No 37: The actual cost of such shifting, as	Please modify as follows, The actual cost of such shifting, as approved and communicated by the entity owning the utility, shall be paid by	No changes envisaged. As per Draft EPC Agreement



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	approved and communicated by the entity owning the utility, shall be paid by the Contractor and reimbursed by the Authority to the Contractor.	the Contractor and reimbursed by the Authority to the Contractor <b><u>including the contractor's reasonable overheads and profit.</u></b>	
27	Shifting of obstructing utilities, Draft EPC agreement, Article 9, Clause 9.2 Page No 37: In the event of any delay in such shifting by the entity owning the utility beyond a period of <b><u>180 (one hundred and eighty)</u></b> days from the date of notice by the Contractor....the contractor shall be entitled to damages	Please modify as follows In the event of any delay in such shifting by the entity owning the utility beyond a period of <b><u>30 (Thirty)</u></b> days from the date of notice by the Contractor....the contractor shall be entitled to damages	No changes envisaged. As per Draft EPC Agreement.
28	Design and construction of project highway, Draft EPC agreement, Article 10, Clause 10.2.5 Page No 43: Any cost or delay in construction arising from review by the Authority's Engineer shall be borne by the Contractor.	Delete the entire provision as it contravenes with clause 10.2.4 (c).	No changes envisaged. As per Draft EPC Agreement.



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29	Maximum amount of Delay damages, Draft EPC agreement, Article 10, Clause 10.3.3 Page No 44: The Parties expressly agree that the total amount of Damages under Clause 10.3.2 shall not exceed <b><u>10% (ten percent)</u></b> of the Contract Price.	Request you to change maximum amount of delay damages to <b><u>5% of the contract price.</u></b>	No changes envisaged. As per Draft EPC Agreement.
30	Change of scope, Draft EPC agreement, Article 13, Clause 13.2.3(a) Page No 58: For works not similar in nature to the Works being executed, the cost of work shall be derived on the basis of MORTH Standard Data Book	Add the following at the end: The Contractor's reasonable overheads and profits shall be considered for the determination of costs	No changes envisaged. As per Draft EPC Agreement.
31	Advance Payment, Draft EPC agreement, Article 19, Clause 19.2.2 Page No 77: The Contractor may apply to the Authority for the first installment of the Advance Payment at any time after the Appointed Date, along with an irrevocable and unconditional guarantee from a Bank	PI modify as follows, The Contractor may apply to the Authority for the first installment of the Advance Payment at any time after the Appointed Date, along with an irrevocable and unconditional guarantee from a Bank for an amount equivalent to <b><u>100% (one hundred</u></b>	No changes envisaged. As per Draft EPC Agreement.



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	for an amount equivalent to <b><u>110% (one hundred and ten per cent)</u></b> of such installment	<b><u>percent</u></b> of such installment,	
32	Advance Payment, Draft EPC agreement, Article 19, Clause 19.2.4 Page No 78: Contractor may apply to the Authority for the second installment of the Advance Payment along with an irrevocable and unconditional guarantee from a Bank for an amount equivalent to <b><u>110% (one hundred and ten percent)</u></b> of such installment	Please modify as follows, Contractor may apply to the Authority for the second installment of the Advance Payment along with an irrevocable and unconditional guarantee from a Bank for an amount equivalent to <b><u>100% (one hundred percent)</u></b> of such installment	No changes envisaged. As per Draft EPC Agreement.
33	Recovery of advance Payment, Draft EPC agreement, Article 19, Cl. 19.2.6, Pg. 78: First installment of Advance Payment shall be repaid by the Contractor to the Authority no later than 548 days from the respective date of Advance Payment.	As per the standard practice, recovery of advance payment shall commence when 15% of the original contract value of the work has been paid and it will be completed by the time 85% of the Contract Value has been paid. Request you to modify the same.	No changes envisaged. As per Draft EPC Agreement.



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34	Repayment of Advance Payment, Draft EPC agreement, Article 19, Clause 19.2.7 Page No 78: The Parties expressly agree that for any delay in repayment of the Advance Payment, the Contractor shall pay interest to the Authority for each day of delay, such interest to be calculated at the rate of <b><u>18% (eighteen per cent) per annum</u></b>	The Parties expressly agree that for any delay in repayment of the Advance Payment, the Contractor shall pay interest to the Authority for each day of delay, such interest to be calculated at the rate of <b><u>2% (two per cent) above Base Rate of State Bank selling rate.</u></b>	No changes envisaged. As per Draft EPC Agreement.
35	Payment for Maintenance of the Project Highway, Draft EPC agreement, Article 19, Clause 19.7.3 Page No 81: The deduction made on account of non-compliance with the Maintenance Requirements shall not be subsequently considered for payment after the compliance is achieved by repair or rectification.	Delete the clause in its entirety	No changes envisaged. As per Draft EPC Agreement.



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36	Price adjustment for the Works, Draft EPC agreement, Article 19, Clause 19.10.4(d) Page No 84: CO = The WPI for <b><u>cement</u></b> for the month of the Base Date.  CI = The WPI for <b><u>cement</u></b> for the month three months prior to the month to which the IPC relates.	CO = The WPI for <b><u>cement and lime</u></b> for the month of the Base Date.  CI = The WPI for <b><u>cement and lime</u></b> for the month three months prior to the month to which the IPC relates.	No changes envisaged. As per Draft EPC Agreement
37	Price adjustment for the Works, Draft EPC agreement, Article 19, Clause 19.10.4(d) Page No 84: SO = The WPI for <b><u>steel (rods)</u></b> for the month of the Base Date.  SI = The WPI for <b><u>steel (rods)</u></b> for the month three months prior to the month to which the IPC relates.	SO = The WPI for <b><u>steel (long)</u></b> for the month of the Base Date.  SI = The WPI for <b><u>steel (long)</u></b> for the month three months prior to the month to which the IPC relates.	No changes envisaged. As per Draft EPC Agreement.
38	Price adjustment for the Works, Draft EPC agreement, Article 19, Clause 19.10.4(f) Page No 85: In case an IPC relates to a month which is within 3 (three)	Delete the clause in its entirety.	No changes envisaged. As per Draft EPC Agreement.





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Sl. No	Referred Clause	Query / Suggestion	Reply																														
	months from the Base Date, no price adjustment shall be applicable																																
39	Price adjustment for the Works, Draft EPC agreement, Article 19, Clause 19.12 Page No 86: WI = The wholesale price index (all commodities) for <b><u>the first day of the quarter</u></b> under consideration for determining the price adjustment.	WI = The wholesale price index (all commodities) for <b><u>the average of the quarter</u></b> under consideration for determining the price adjustment	No changes envisaged. As per Draft EPC Agreement.																														
40	Price adjustment for the Works, Draft EPC agreement, Article 19, Clause 19.12 Page No 85; Percent Component for Labour, Steel, Bitumen etc are given	We request for modification as per Annexure-1.	No changes envisaged. As per Draft EPC Agreement.																														
	<table border="1"> <thead> <tr> <th>Component</th> <th colspan="4">Road Works</th> <th>Item</th> </tr> </thead> <tbody> <tr> <td></td> <td>Earth Work, granular work, and other works</td> <td>Bituminous work</td> <td>Cement concrete pavement</td> <td>Culverts, minor bridges and other structures</td> <td>Major bridges and structures</td> </tr> <tr> <td>Labour</td> <td>20%</td> <td>20</td> <td>20%</td> <td>15%</td> <td>15%</td> </tr> </tbody> </table>	Component	Road Works				Item		Earth Work, granular work, and other works	Bituminous work	Cement concrete pavement	Culverts, minor bridges and other structures	Major bridges and structures	Labour	20%	20	20%	15%	15%	<table border="1"> <thead> <tr> <th>Component</th> <th colspan="4">Road Works</th> <th>Item</th> </tr> </thead> <tbody> <tr> <td></td> <td>Earth Work, granular work, and other works</td> <td>Bituminous work</td> <td>Cement concrete pavement</td> <td>Culverts, minor bridges and other structures</td> <td>Major bridges and structures</td> </tr> </tbody> </table>	Component	Road Works				Item		Earth Work, granular work, and other works	Bituminous work	Cement concrete pavement	Culverts, minor bridges and other structures	Major bridges and structures	
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SI. No	Referred Clause						Query / Suggestion						Reply
	(PL)		%				Labour (PL)	20%	20%	20%	15%	<b>15%</b>	
	Cement (PC)	5%	Nil	20%	15%	15%	Cement (PC)	5%	Nil	20%	15%	15%	
	Steel (PS)	Nil	Nil	Nil	15%	<b>20%</b>	Steel (PS)	Nil	Nil	Nil	15%	<b>25%</b>	
	Bitumen (PB)	Nil	<b>15%</b>	Nil	Nil	Nil	Bitumen (PB)	Nil	<b>40%</b>	Nil	Nil	Nil	
	Fuel and Lubricants (PF)	10%	10%	10%	10%	10%	Fuel and Lubricants (PF)	10%	10%	10%	10%	10%	
	Other Materials (PM)	50%	<b>40%</b>	35%	30%	<b>25%</b>	Other Materials (PM)	50%	<b>15%</b>	35%	30%	<b>20%</b>	
	Plant Machinery and Spares (PA)	15%	15%	15%	15%	15%	Plant Machinery and Spares (PA)	15%	15%	15%	15%	15%	
	<b>Total</b>	100%	100%	100%	100%	100%	<b>Total</b>	100%	100%	100%	100%	100%	
							Please confirm.						
<b>41</b>	Arbitration, Draft EPC Agreement, Article 26, Pg. 117, Cl. 26.3.1: Arbitration proceedings are as per Bihar Arbitral Tribunal constituted under and in accordance with Bihar Public Works						Request you to make provision of arbitration as per Indian Arbitration act 1996.						



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Sl. No	Referred Clause	Query / Suggestion	Reply
	Contract Disputes Arbitration Tribunal Act, 2008		
42	Insurance, Draft EPC agreement, Schedule P, Cl. 3.1, Page No 210: The insurance cover shall be not less than: Rs. [*****]	Request you to specify the amount for Insurance against injury to persons and damage to property.	3% of Contract Price
43	Source of Fund	Request you to let us know the source of funding for this project.	Central Govt. grant to the state of Bihar under BRGF scheme
44	Environmental Clearance, Draft EPC agreement, Annex IV, Schedule-A, Pg. 143: Environmental clearance is awaited.	Request you to let us know the status of Environmental clearance	Screening is in progress
45	Permits, Licenses etc	Please let us know if all the permits required for the project is obtained from Water resource department, Forest department and necessary approvals, Tree cutting permits etc. Request you to share the copies of the same	As per Draft EPC Agreement



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46	Hindrance free area for construction	Along the alignment there are hutments, Trees and HT/LT Electric lines which need to be removed before starting of any construction activity.  We presume that hindrance free area will be handed over to us as per the construction schedule	As per the provisions Draft EPC Agreement
47	Clearance of Hutments	We presume department has obtained all the required permissions to remove Hutments	Encumbrance free site shall be made available as per the provisions of Draft EPC agreement.
48	Scour Depth, Scour depth are not provided	Whether any scour depth/level is to be considered for designing the foundation of Elevated Viaduct along the canal. Please inform	The Pile is designed with the assumption that both sides of canal banks are required to be protected suitably.
49	Geo-Technical report and Hydrological reports	Geo-Technical report and Hydrological reports are not provided. Request you to provide the same.	Shall be provided



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Sl. No	Referred Clause	Query / Suggestion	Reply
50	Discharge date of Canal	Request you to let us know the discharge data of Patna Canal.	Please refer Figure 1.
51	Water Level	Request you to provide water level in Patna Canal for last 10 years.	Please refer Figure 1.
52	Construction Depot & Dumping Area	We request client to provide area for casting yard, Site Installations etc., to avoid levy of excise duty on precast items.	It shall be procured by the contractor and the authority will facilitate in obtaining the same
53	Soft copy of drawing	Request you to provide alignment drawing, GADs in Auto Cad format.	Alignment drawing will be provided in Auto CAD format
54	Bid Due Date, RFQ cum RFP, Pg. 10, Cl. 1.3 (5), Date of Submission of RFP is 16-09-2013 up to 15.00 hrs	Since the project is on EPC basis, It is requested to please grant Extension for Bid Submission by 15 days i.e. 30-09-2013.	No changes envisaged. As per RFQ cum RFP



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55	Clause 2.2.1 (e) (ii), “ the Bidder shall have completed at least one project within the last seven years preceding the Bid Due Date towards construction of one Flyover/Elevated Structure of minimum of 3000 meter length excluding approaches”	a) We request you to please relax the length of one Flyover/Elevated Structure to 2000 meter. b) Please confirm whether a member of a JV can consider in accordance with its participation ratio, the flyover/elevated structure work done for meeting the criteria mentioned under clause No. 2.2.1 (e) (ii)	a) No changes envisaged. As per RFQ cum RFP b) Any one member of JV should satisfy the condition completely
56	Page no. 52 of RFQ cum RFP document- Information required to evaluate the BID Capacity under clause 2.2.1 (e)- TO Calculate the Value of “B”  In the table it is mentioned in last column that “Balance Value of work at 2011-12 Price level”	We request you to amend it to “Balance value of work at 2012-13 price level”	It shall be amended to Balance value of work at 2012-13 price level



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57	Purchase of RFQ cum RFP document	Please confirm whether a bidder after purchasing RFQ cum RFP documents in its own name can participate in a JV with other member or is it mandatory to purchase document in the name of JV itself.	Any one member of JV can purchase the document.
58	Annex II, Sch A, Page no. 143, Draft EPC Agreement: Details of Handing Over Schedule are provided in tabular form in page no 143. As per Schedule, ROW for Stretch-1 Km 0.000 to 2.700 and Km 10.600 to 11.900 shall be available on 180 days from AD (Appointed date) whereas at footnote of table it is stated that dates specified herein shall not be beyond 150 days from Appointed date.	Kindly confirm handing over date is 150 days or 180 days.	150 days
59	Cl 2.1, Sch B, Page no. 147, Draft EPC Agreement: As stated in Sub Clause 2.1 of Schedule B, Page No 147, additional 2 lane is to be provided parallel to proposed NHAI road from Km 0+000 to 2+125. We	However min. pavement width as shown in schedule B, Cl 1.2.2, page 147 shows 2x7 m carriageway (Four lane configuration). Please clear this.	The project proposal details are as below:  Km0+000 - Km1+148.: RHS 2



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	understand that project scope is only to construct 2 lane road on RHS and no work is to be carried out on LHS under this contract.		Lane road on Embankment  Km1+148- Km2+324:- 4 Lane approach road  Km2+324 to Km10+600- 2x2 lane Elevated Corridor  Km10+600 to Km11+900 – 4 lane elevated on embankment/structure.
60	Annex 1, Sch B, para 1.2, Page no. 147, Draft EPC Agreement: Two Separate Elevated Highway Section having 12.0m overall width with an open median of 4.5m	Kindly confirm whether a single superstructure for both up and down carriageway with reduced covered median can be adopted instead of separate two parallel structures.	The design should be such that the structure does not affect the flow of water in the trapezoidal section of the canal
61	Cl. 2.4, Sch B, Page no.148, Draft EPC Agreement: From Ch 2.700 to Ch 10.600, 7600 m project alignment is within irrigation land	Please clear that the irrigation department has handed over the land to BSRDCL. Also please clear that is there any fees to be paid to irrigation department?	The existing land is in the possession of Govt. of Bihar.





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62	Typical cross section, Sch B, Page no. 153,157, Draft EPC Agreement: Typical Cross section applicable for Km 2+125 to Km 2+375 for Elevated Corridor Approach is provided at page no 153 whereas as per Sub-Clause 7.1.3, Elevated structure is started from 2+325. Therefore there is overlap of 50 m.	Kindly clarify.	The project proposal details are as below:  Km0+000 - Km1+148.: RHS 2 Lane road on Embankment  Km1+148- Km2+324:- 4 Lane approach road  Km2+324 to Km10+600- 2x2 lane Elevated Corridor  Km10+600 to Km11+900 – 4 lane elevated on embankment/structure.
63	Typical cross section, Sch B, Page no. 152, Draft EPC Agreement: Median width is shown as 2 m in Typical Cross Section Applicable for 0+000 to 2+000 whereas as per Sub Clause 1.2.2, width of median is to be 4.50 m. Also, as per Typical Cross section there is no provision for Earthen	Kindly confirm width of median and Earthen shoulder width.	Median in embankment portion from 0+000 to 2+000 is varying from 2.00 m to 4.50 m  The earthen shoulder shall be



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	Shoulder on LHS whereas as per Sub Clause 1.2.2, width of earthen shoulder shall be 2.00 m on either side.		2.00 m
64	Typical cross section, Sch B, Page no. 153, Draft EPC Agreement: E wall is to be provided from Km 2+125 to Km 2+375 as per Typical Cross Section provided on Page No 153. Height of RE wall as per P and P at Km 2+300 onwards is more than 6m. As per Sub Clause 7.15.1, IRC SP: 84 -2009, RE wall shall not be provided for height more than 6 m unless otherwise specified and near water bodies.	Kindly confirm RE Wall could be provided at approach of Elevated structures as per Typical Cross section irrespective of height of wall and presence of canal nearby.	It shall be designed suitably keeping in view the prevailing conditions.
65	Cl. 3, Sch B, Page no. 155, Draft EPC Agreement: Two at grade intersection is to be provided at Km 0+000 and 11+900. We understand that 11+900 is intersection with Ganga Path, therefore kindly confirm scope of construction of rotary intersection at Km 11+900 is under	There is overlap of rotary road construction. Kindly confirm scope of work at Km 11+900, Rotary at grade junction.	At Grade rotary with additional lane is in the scope of this project. Please refer concept plan drawing provided as Junction 2



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Sl. No	Referred Clause	Query / Suggestion	Reply
	Ganga Path or under this project.		
66	Sch B, Para 7.1.3, Page no. 157, Draft EPC Agreement: Span arrangement for elevated structure from Km2+325 to Km10+730 has been given as 8x30m+4x35m+9x30m+1x70m+93x30m+28x10m+126x30m+3x35m+17x30m+2x35m+5x30m	Kindly confirm whether the span arrangement and span length, for elevated portion can be changed by the bidder while keeping the same total length from Km2+325 to Km10+730 with exception for obligatory spans.	<p>Yes. Span arrangement is indicative only.</p> <p>Bidder can propose different span configuration maintaining the minimum requirements/constraints at various obligatory locations specific to this project.</p> <p>Also, span connectivity for better riding, the total length of via-duct &amp; Nos. of other structures shall be kept same as proposed in the RFP cum RFQ Document</p>
67	Sch B, para 7.4.2, Page no. 157, Draft EPC Agreement: Road Over Bridge at	Kindly confirm whether the superstructure type can be altered?	Yes. Bidders may adopt innovative superstructure



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	Ch.2+975, Type of superstructure for the 70m long ROB has been mentioned as Steel Truss/RCC deck		provided it is safe and has satisfactory performance within its service life.
<b>68</b>	7.3.2, Sch B, Page no. 159, Draft EPC Agreement: Deck width is not given for minor bridge details at chainage 2+080 km	Please clarify four lane or two lane new structure is required to construct here?	The new Minor Bridge at chainage 2+080 km shall be new two lane i.e. overall width of structure shall be 12m on RHS of NHA minor bridge proposal.
<b>69</b>	Cl. 12, Sch B, Page no. 162, Draft EPC Agreement: The re-habitation of canal banks is an integral part of project.	For uniformity in all bidders, please give us minimum mandatory exact scope and cross section for this works. Also please give us the discharge and velocity of the canal flow. along with month wise flow break up and minimum free board required. We also want authority to clear that Is it mandatory to maintain the trapezoidal shape of canal, in its rehabilitation? Or bidder is free to adopt any section, keeping discharge same.	Scope of work for canal includes: a. Reinstatement of canal banks as per the trapezoidal design cross section of canal supplied from the Dept. b. Lining with stone pitching of both canal banks upto FSL at the affected length (i.e. mostly the elevated part of the corridor which runs within the canal cross



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			<p>section.</p> <p>c. At pier locations, additional stone pitching 1m all around the pier has been considered.</p> <p>Please refer Figure 1 for discharge and velocity of the canal at upstream.</p> <p>Yes. Trapezoidal shape as per the Canal Authority cross section is mandatory to maintain in rehabilitation of the canal.</p>
70	Cl. A, Sch B, Page no. 164, Draft EPC Agreement: Toll Plaza to be provided – please confirm the location, chainage etc. and requirement	Please provide no. of toll lanes, chainages of toll plaza, and type of toll lanes (Semi-automatic, automatic or manual). Similarly please give us nos. of bus bays, medical aid post, vehicle	<p>There is no toll plaza, bus bay and truck lay bye in the project.</p> <p>Rescue lane equivalent to one lane and rescue posts shall be</p>



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Sl. No	Referred Clause	Query / Suggestion	Reply
		rescue post, truck lay bays and recreational areas	provided at every 2km staggered on either side as per good engineering practices. Medical aid post shall be provided as per good engineering practices. One median opening and connectivity to connect both the carriageways in the elevated portion shall be provided between chainage 5+500 and 6+500 of the corridor.
71	Cl. 12, Sch B, Page no. 162, Draft EPC Agreement: The stretch of the proposed project between Ashok Rajpath to Digha (on Ganga Path) falls in the river side on the reclaimed land of the river, hence the embankment construction shall be in such a way that it shall be protected from the rise in water level due to rains and monsoon. The embankment protection is an integral part of Embankment	For uniformity in all bidders, please give us minimum mandatory scope and cross section for this works.	It's a four lane highway as per IRC SP 84:2009 with the suitable protection work.



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Sl. No	Referred Clause	Query / Suggestion	Reply
	construction.		
72	Cl. 10, Sch B, Page no. 162, Draft EPC Agreement: Approximately total of 200 numbers of trees are identified to be affected in the proposed ROW. As per environmental guide lines new trees will be planted.	Please clear the nos. and location of the land where plants to be planted. Also please clear the present status of acquisition of that land.	Land shall be provided by the Authority in due course of time. The no of trees to be cut is approx 200 and the no of trees to be planted shall be as per prevailing circular of the Forest Dept.
73	Scope on existing culverts, Draft EPC Agreement: As per Schedule A and B, there is no detail of existing and proposed culverts along the proposed alignment	Kindly confirm whether any requirement of culvert at the construction stage will attract change of scope of work	As per the provisions of Draft EPC Agreement.
74	Drawings: Two options for Junction design at Km 0+000 is provided. Is EPC Contractor is free to choose any type of Junction as per Option provided?	Kindly confirm	The first preference shall be Option -1.
75	Clause 2.2.13, Page 18 to 19 of Instructions to Bidders	As the Estimated Project cost is Rs. 1160 Crores. Request you to limit the project cost to Rs. 1160 Crores for calculation of the	For the purpose of Professional fee and Success fee the Total Project Cost is Rs. 1260 Crore



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	The Selected Bidder shall be required to make payments in terms set out below : (i) towards professional fee ("Professional Fee") to the Authority an amount equivalent to 0.25% of Total Project Cost [1259.00 Crore]; and (ii) towards success fee ("Success Fee") to IL&FS Infrastructure Development Corporation Limited, an amount equivalent to 0.20% of Total Project Cost (1259.00 Crore):	Professional Fee & Success Fee. Please confirm.	(including the pre-construction activities cost etc.) and for purpose of Bidding the Estimated project cost is Rs. 1160 Crore.
76	Clause 17.1, Page 69 of DEPCA  The Contractor shall be responsible for all the Defects and deficiencies, except usual wear and tear in the Project Highway or any Section thereof, till the expiry of a period of 5 (five) years commencing from the date of Provisional Certificate (the "Defects Liability Period").	Please limit the Defects Liability period to 3 Years instead of 5 years. Kindly confirm.	The defect liability and Maintenance period shall be 5 Years



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<b>Sl. No</b>	<b>Referred Clause</b>	<b>Query / Suggestion</b>	<b>Reply</b>
<b>77</b>	Clause 2.13.2 (ix),  Page 26 of Instructions to Bidders  A copy of the Bidding Document with each page initialed by the person signing the Bid in pursuance of the Power of Attorney referred hereinabove.	Please mention clearly what are the documents to be submitted along with bid.	As per RFQ cum RFP document.
<b>78</b>	Clause 1.2, Contract Price Weightages  Page Nos. 186 & 187 of Schedule-H  The total Weightage in Percentage to the contract price is given as 99% (i.e. Road Works – 11%, Structure works & ROB- 82% & Other works-6% total is 99%)	Please Correct the same.	Corrigendum will be issued in this regard.
<b>79</b>	Clause 7.4.2, Road Over Bridge, page 160 of Schedule – B.  As per clause 7.4.2, Road Over Bridge has to be provided at Ch: 2+975.	Please specify the Approval Status from Railways. Please provide a copy of same.	Approval is under process and the copy shall be provided within 150 Days from the appointed date.



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80	Article 2  Scope of the Project	Please confirm that the scope of the work given in Schedule A, B and C as mentioned in the Article 2 is only to be followed, whereas the contents mentioned in the Feasibility report is only for reference.	Scope of the work is as per Draft EPC Agreement.
81	RFQ cum RFP, Clause 1.1.1, Page No. 5 & Clause 2.4, Annexure-I of Schedule-B, Page No. 148  <ul style="list-style-type: none"> <li>• As per RFQ cum RFP, Clause 1.1.1, Project Length mentioned as 10.5km.</li> <li>• As per Schedule-B, Length of Project Highway mentioned as 11.9km.</li> </ul>	Please clarify the Project Length.	The project proposal details are as below:  Km0+000 - Km1+148.: RHS 2 Lane road on Embankment  Km1+148- Km2+324:- 4 Lane approach road  Km2+324 to Km10+600- 2x2 lane Elevated Corridor  Km10+600 to Km11+900 – 4 lane elevated on embankment/structure.



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Sl. No	Referred Clause	Query / Suggestion	Reply
82	Clause-1, Schedule-B, Page No. 146 & Clause-7.1.3, Annexure-I of Schedule-B, Page No. 157  <ul style="list-style-type: none"> <li>• As per Clause-I of schedule-B, Elevated corridor length mentioned as 7.5km.</li> <li>• As per Clause 7.1.3, the length of elevated corridor from km 2+325 to km 10+730 is 8.405km Length.</li> </ul>	Please clarify the Elevated corridor Length.	The project proposal details are as below:  Km0+000 - Km1+148.: RHS 2 Lane road on Embankment  Km1+148- Km2+324:- 4 Lane approach road  Km2+324 to Km10+600- 2x2 lane Elevated Corridor  Km10+600 to Km11+900 – 4 lane elevated on embankment/structure.
83	Clause-7.1.3, Annexure-I of Schedule-B, Page No. 157  As per clause 7.1.3, elevated structure span arrangement details are 8x30m+ 4x35m+ 9x30m+ 1x70m+ 93x30m+ 28x10m+ 126x30m+ 3x35m+ 17x30m+	Please indicate the obligatory spans. Also please clarify whether the span arrangement details for other than obligatory portion are mandatory.	Span arrangement is indicative only.  Bidder can propose different span configuration maintaining the minimum



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	2x35m+ 5x30m = 8405m		<p>requirements/constraints at various obligatory locations specific to this project.</p> <p>Also, span connectivity for better riding, the total length of via-duct &amp; Nos. of other structures shall be kept same as proposed in the RFQ cum RFP Document</p>
84	<p>Clause-1, Schedule-B, Page No. 146 &amp; Clause-2.1, Annexure-I of Schedule-B, Page No. 147</p> <ul style="list-style-type: none"> <li>• As per Clause-I of schedule-B, additional 2-Lane road length is mentioned as 3km.</li> <li>• As per Clause 2.1, 2-Lane road length is mentioned as 2.125km from km 0+00 to km 2+125.</li> </ul>	Please clarify the length of 2-Lane road.	<p>The project proposal details are as below:</p> <p>Km0+000 - Km1+148.: RHS 2 Lane road on Embankment</p> <p>Km1+148- Km2+324:- 4 Lane approach road</p> <p>Km2+324 to Km10+600- 2x2 lane Elevated Corridor</p>



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			Km10+600 to Km11+900 – 4 lane elevated on embankment/structure.
85	Annexure-I of Schedules-B, Page No. 152.  “Typical cross section for New 4-Lane divided carriageway after Ashok Rajpath”	Please specify the length of New 4-Lane divided carriageway after Ashok Rajpath.	The project proposal details are as below: Km0+000 - Km1+148.: RHS 2 Lane road on Embankment Km1+148- Km2+324:- 4 Lane approach road Km2+324 to Km10+600- 2x2 lane Elevated Corridor Km10+600 to Km11+900 – 4 lane elevated on embankment/structure.
86	Schedules-C, Page-164  Project facilities include Toll Plaza, Traffic aid posts, Medical aid posts, and vehicle rescue posts.	Please define the scope of work of project facilities with location details.	There is no toll plaza, bus bay and truck lay bye in the project.  Rescue lane equivalent to one lane and rescue posts shall be provided at every 2km staggered on either side as per good



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			engineering practices. Medical aid post shall be provided as per good engineering practices. One median opening and connectivity to connect both the carriageways in the elevated portion shall be provided between chainage 5+500 and 6+500 of the corridor.
87	Schedule-B, Page No. 152 & 153 Typical cross sections.	Typical cross sections Provided are not readable. Please provide readable details.	Shall be provided.
88	Schedule-B, Page No. 152 As per Typical cross section for additional 2 Lane (km 0+00 to km 2+00).	Please provide carriageway width and crust details of existing portion of NHAI 2-lane road.	Shall be obtained from NHAI and provided.



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Sl. No	Referred Clause	Query / Suggestion	Reply
89	Schedule-B, Page No. 152 As per Typical cross section for additional 2 Lane (km 0+00 to km 2+00).	LHS Widening of Existing 2 lane NHAI Road with Paved Shoulder and earthen shoulder scope are not clear. Please clarify the same.	Construction of median, RHS carriageway and shoulder is in the scope of the project.
90	Schedule-B, Page No. 152 As per Typical cross section for additional 2 Lane (km 0+00 to km 2+00), Right Hand Side edge is proposed with Crash Barrier, RCC Drain and Hand Rail.	Please clarify Crash Barrier, RCC Drain and Hand Rail details indicated are mandatory. If it is mandatory please provide the RCC Drain sectional details.	The provision of Crash Barrier, RCC Drain and Hand Rail details indicated are mandatory. It can be designed suitably.
91	General Existing 2 Lane road between (km 0+00 to km 2+00).	Vertical Profile of the Existing 2-Lane NHAI Road from km 0+00 to km 2+000 (Design Chainage of AIIMS – Digha Project) is not available. Please provide the same.	Shall be obtained from NHAI and provided.
92	General Existing 2 Lane road between (km 0+00 to km 2+00).	Strengthening scope of Existing 2 – Lane NHAI Road from km 0+00 to km 2+000 (Design Chainage of AIIMS – Digha Project) is not clear. Please clarify the same.	Please refer scope of the work under clause 2 of Schedule B of the Draft EPC Agreement.



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93	Clause-7.3.2, Annexure-I of Schedule-B, Page No. 159  As per additional New Bridges, at km 2+080.	Please Provide the Typical cross section of proposed MIB @ km 2+080 & provide existing Bridge details at this location if any.	Shall be obtained from NHAI and provided.
94	Clause-2.9, Annexure-I of Schedule-B, Page No. 150  As per Clause 2.9.1, at km 11+900, development of Four legged Rotary/ Interchange has been mentioned.	Please clarify the scope of work.	At Grade rotary with additional 2 lane is in the scope of this project. Please refer concept plan drawing provided as Junction 2
95	Clause 12, Annexure-I of Schedule-B, Page No. 162  It has been mentioned as "The re-habitation of canal banks is an integral part of the project".	Please provide the sectional details of canal, Inflow, outflow, canal bed levels and define the detailed scope of re-habitation work and we presume that all the approvals/clearances required from Irrigation Department will be obtained by BSRDCL.	Please refer Figure.1  Scope of work for canal includes:  a. Reinstatement of canal banks as per the trapezoidal design cross section of canal supplied from the Dept.





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			<p>b. Lining with stone pitching of both canal banks upto FSL at the affected length (i.e. mostly the elevated part of the corridor which runs within the canal cross section.</p> <p>c. At pier locations, additional stone pitching 1m all around the pier has been considered.</p>
<b>96</b>	<p>General</p> <p>As per Plan &amp; Profile km 11/0 to km 12/0 drawing, NHAI road is crossing at km 11+200.</p>	<p>Junction Improvement details at this location are not clear. Please provide the Finished road level of NHAI road at km 11+200 junction. Also please clarify whether the Junction improvement is at grade / grade separated and the scope of work.</p>	<p>At Grade rotary with additional lane is in the scope of this project. Please refer concept plan drawing provided as Junction 2</p>
<b>97</b>	<p>General</p> <p>Plan &amp; Profile drawings</p>	<p>Please clarify whether the Plan &amp; Profile drawings are mandatory. If not mandatory Please provide the guidelines for fixing the FRLs.</p>	<p>The minimum FRL shall be maintained as indicated in Plan and Profile.</p>



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98	General As per Plan & Profile km 11/0 to km 12/0 drawing, for project end connectivity details, note indicating "Refer to Drawing No: Stanley/IL&FS/41393/Jun/02 for junction" is mentioned.	Please provide Drawing No: Stanley/IL&FS/41393/Jun/02 for junction. Also please provide the project corridor end chainage coordinates, Rotary Coordinates.	Drawing No: Stanley/IL&FS/41393/Jun/02 shall be provided
99	General Plan & Profile Drawings	Please provide the Plan & Profile drawings in Auto CAD format.	Alignment drawing will be provided in Auto CAD format
100	General Pavement Design for Service roads.	The details are not available please provide the same.	It shall be designed for 10 msa.
101	General Patna canal detail.	Please provide bed levels / bed profile of the canal.	Please refer Figure.1
102	General Geo technical report	Please provide Geo technical report.	Shall be provided



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103	General Canal navigation	Please clarify whether navigation is allowed in the canal in light of presence of lock gates.	It's not a navigational canal.
104	General Escape canal	Please provide details and proposed rehabilitation requirements.	As per Draft EPC Agreement. Scope of work for canal includes: a. Reinstatement of canal banks as per the trapezoidal design cross section of canal supplied from the Dept. b. Lining with stone pitching of both canal banks upto FSL at the affected length (i.e. mostly the elevated part of the corridor which runs within the canal cross section. c. At pier locations, additional stone pitching 1m all around the pier has been considered.



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105	General Existing Levels in Plan and Profile drawings.	Please indicate the location of Existing levels. Whether it is along pier center line or median centerline.	Along median centerline.
106	General Land Acquisition	Kindly provide us the status of Land Acquisition	The land is under possession of Govt. of Bihar.
107	General Shifting of Utilities	What are the different utilities to be removed along the project highway?	Electric poles, Transformers, pilon, Sluice gates etc.
108	Clause 2.2.1(e) (ii) page no 14. The Bidder shall have completed at least one project within the last seven years preceding the Bid Due Date towards	We request you to kindly modify this clause by either of the following options as the number of bidders with such qualification are very few. 1. Flyover / Elevated Structure minimum 3000	No changes envisaged. As per RFQ cum RFP



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	construction of one Flyover / Elevated Structure of minimum of 3000 meter length excluding approaches.	<p>mts. length from one or two projects/contracts maximum. <b>OR</b></p> <p>2.The required length from single completed project may be arrived by giving Credit for one span for every additional 2 lanes. for eg:- one six lane elevated corridor of length 1 KM will be equivalent to 3 KM of two lane viaduct. <b>OR</b></p> <p>3.Bidder in case of having experience in Joint Venture shall have his JV share at least 70 % or more and have completed the project within the last seven years preceding the Bid Due Date towards construction of one Flyover / Elevated Structure of minimum of 3000 meter length excluding approaches. <b>OR</b></p> <p><b>4.One single completed contract of 2.2 KM viaduct</b></p> <p>Note: Length of successfully completed portion of any on-going work shall also be considered for this qualification, certificate from client to this</p>	



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<b>Sl. No</b>	<b>Referred Clause</b>	<b>Query / Suggestion</b>	<b>Reply</b>
		effect shall be submitted.	
<b>109</b>	General Submission due date	We kindly request you to extend the submission date suitably atleast 3 weeks after clarifications of latest pre-bid minutes	No changes envisaged. As per RFQ cum RFP

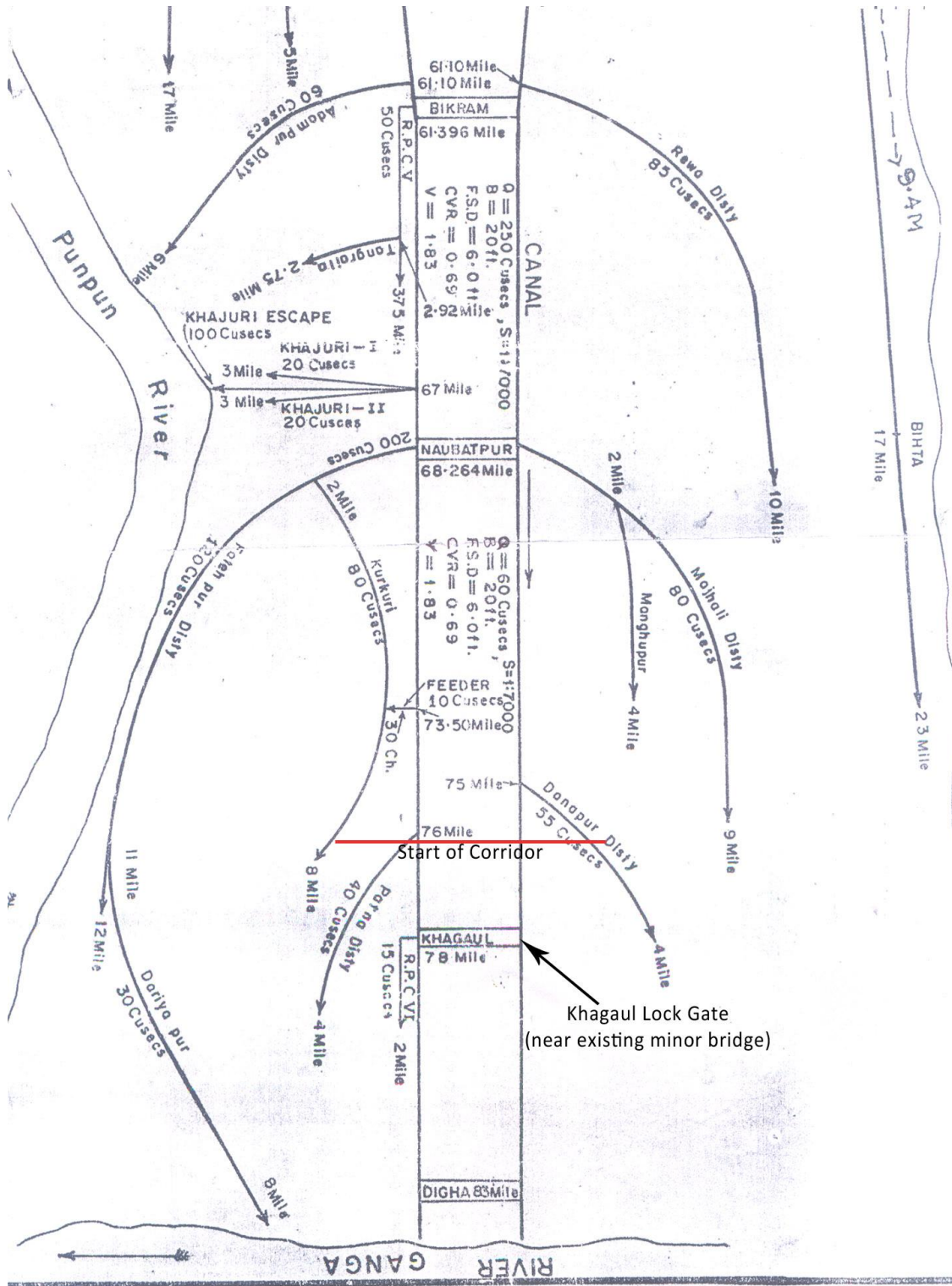


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**Annexure-1**



**Figure.1**