

Government of Nepal
Ministry of Physical Infrastructure and Transport
Department of Railways
Railway, Metrorail and Monorail Development Project
Bishalnagar, Kathmandu

Reference: RFP selection of Consultants for the **Detail Engineering Survey and Design of Railway line Butwal-Lamahi Section of Mechi-Mahakali Electrified Railway. (Package I)**

Subject: Amendment on RFP Documents **(Addendum)**

Clarification to queries from the shortlisted consultants within the time limit mentioned in the Data Sheet as per the provision of ITC Sub Clause 2.2 in connection with the RFP documents is given below.

S.No	Section/clause/para/page	As in the RFP document	Amendments
1	ITC Data Sheet 3.3	(ii) The estimated number of professional staff-months required for the assignment is: International: 87 Person Months National : 145 Person Months	(ii) The estimated number of professional staff-months required for the assignment is: International: 87 Person Months National : 148 Person Months
2	Section 5, TOR Clause 10, Sub clause 2(a) Page 70	10. QUALIFICATION AND RESPONSIBILITIES OF KEY STAFF 2. National Staff (a) Deputy Team Leader/Highway Engineer (12 Person Months)	10. QUALIFICATION AND RESPONSIBILITIES OF KEY STAFF 2. National Staff (a) Deputy Team Leader/Highway Engineer (15 Person Months)

3	Section 5, TOR Clause 10 Page 71	10 QUALIFICATION AND RESPONSIBILITIES OF KEY STAFF 2. National Staff (c) Tunnel Engineer (6 Person Months) (e) Hydrologist (9 Person Months)	10 QUALIFICATION AND RESPONSIBILITIES OF KEY STAFF : 2. National Staff (c) Tunnel Engineer/Tunnel Specialist (6 Person Months) (e) Hydrologist(5 Person Months) as Key Staff and Hydrologist(4 Person Months) as Non Key Staff. The non key Hydrologist will be responsible for hydraulic/hydrological investigations works and analysis and interpretation of the investigation results for design of bridges, tunnels, track embankment and other drainage and protection structures. He shall perform his job in close coordination with the national expert. She/he should be a Graduate in Civil Engineering having 3 years specific experience in Railway/Road/River training project as a hydrologist.								
4	Section 4, Financial Proposal – Standard Forms 4 E II Miscellaneous Expenses Page 35	Unit and Quantity of Item 2 and 3 are missing as well as Quantity of item 1 is also missing.	Unit and quantity of Item 2 and 3 are Fixed LS and quantity of item 1 is 15.00								
5	Section 4, Financial Proposal – Standard Forms 4 E III Subsoil Investigation cost Page 35	Railway Alignment and approach road survey, Topographical and Hydrological survey quantities are missing.	4E.III. Detail Engineering Survey and Subsoil Investigation cost <table border="1"> <thead> <tr> <th>No.</th><th>Description</th><th>Unit</th><th>Qty</th></tr> </thead> <tbody> <tr> <td>1</td><td>Detail soil investigations for bridges/ Alignment (boring + associated lab tests)</td><td></td><td></td></tr> </tbody> </table>	No.	Description	Unit	Qty	1	Detail soil investigations for bridges/ Alignment (boring + associated lab tests)		
No.	Description	Unit	Qty								
1	Detail soil investigations for bridges/ Alignment (boring + associated lab tests)										

				a)Boreholes in clayey/sandy soil/	meter	4370.00
				b) Boreholes in gravel/pebble/cobble/boulder and rock	meter	1134.00
			2	Detail Engineering / Environmental /Social /Resettlement / drainage /subgrade survey and investigation / per Km(Railway Alignment and approach road)	KM	115.00
			3	Topographical and Hydrological survey and preliminary soil investigation for bridges trial pits		
				Major bridges	Nos	30.00
				Minor bridges	Nos	132.00
				ROB/RUB	Nos	54.00
6	ITC Data Sheet 4.5 Page 15	Proposals must be submitted no later than: Date: Oct 19, 2016 Time: 14:00 hrs (Local time)	The date of submission has been extended to November 3, 2016 but the time remains the same.			
7	Page 71 & 72, Section 5 Terms of Reference	5 Years specific experience in Railway/Road/River Training project as Hydrologist (Page 71 – last bullet) Completed at least (3) Assignments in Railway/Road bridge design as Hydrologist (page 72 first sentence)	5 Years specific experience in Railway/Road/River Training project as Hydrologist. Completed at least (3) Assignments in Railway/Road /Bridge / River Training project as Hydrologist			
8	Page 15 (packg I) Page 13 (packg II), Section 2 5.3(i)	Specific experience of the consultants related to the assignment(only projects completed in the last ten years will be considered irrespective of the project start date)	Specific experience of the consultants related to the assignment(only projects completed in the last Five years will be considered irrespective of the project start date)			

9	Page 1, Section 1: Letter of Invitation, S.N. 3 para 4	The Third Railway Survey and Design Institute Group Corporation, China in consortium with Tractebel Engineering P. Ltd, India in association with Nepal Transportation and Development Research Centre, Birat Infrastructure Development P. Ltd and Full Bright Consultancy P. Ltd, Nepal				The Third Railway Survey and Design Institute Group Corporation, China in consortium with Tractebel Engineering P. Ltd, India in association with Nepal Transportation and Development Research Centre			
10	Section 4: 4E REIMBURSABLE COST : 4E.I. Reimbursable Per Activity	No.	Description	Unit	Quantity	No.	Description	Unit	Quantity
		1.	International flights	Trip			<u>International Reimbursable activities</u>		
		2.	Miscellaneous travel expenses	Trip		1.	International flights	Trip	17.00
		3.	Subsistence allowance	Day		2.	Miscellaneous travel expenses	Trip	17.00
		4.	Local transportation costs	Fixed LS		3.	Subsistence allowance	Day	225.00
		5.	Office rent/accommodation/ clerical assistance	Fixed Monthly		4.	Software and Equipments	Fixed LS	Fixed LS
		6.	Services and Equipment ,Vehicles (The consultant should provide one vehicle to clients staff whenever they request for supervision of consultancy works), office furniture, office equipment - computers, printers, Xerox machine etc}	Fixed Monthly		5.	Training	PS	PS
		7	Training	Fixed LS			<u>National Reimbursable activities</u>		
						1.	Domestic flights	Trip	50.00
						2.	Local transportation costs	Fixed LS	Fixed LS
						3.	Subsistence allowance	Day	462
						4.	Office rent/accommodation/ clerical assistance/ Services and Equipment ,Vehicles, office furniture, office equipment - computers, printers, Xerox machine etc	Fixed Monthly	15.00

**11. Section 4 : 4E Miscellaneous Expenses, Page 36 , Page 36 missing details of Tunnel Investigation item and quantities :
Please refer provided below.**

4E.IV. Investigation Cost for Tunneling

Activity No. _____

Activity Name: Tunnel Investigation

S.no	Description	Unit	Quantity	Rate (NRs)	Amount (NRs)
1	Detailed Geological (surface geological) investigation and preparation of the maps (plan profiles) and investigation report	Km	16.966		
2	Hydrogeological Study of the Project Site	Ls	1		
3	Seismic Hazard Analysis of the Project Region	Ls	1		
4	Subsurface Geological-Geotechnical investigation by indirect method; Electrical Resistivity Tomography	m	3000.00		
5	Subsurface Geological-Geotechnical investigation by indirect method; Seismic Refraction Tomography or Multichannel Analysis of Surface Waves (MASW) and Micro tremor Array Measurement (MAM)				
6	Subsurface Geological-Geotechnical investigation by exploratory drilling				
6.1	General mobilization/ demobilization to different project sites	set	5		
6.2	Transportation of Drill rigs, water pumps, fuel and all other accessories at various drill holes locations (hole to hole shifting)	no	20		
6.3	Clearing of drill sites before and after completion of work, maintaining, dismantling and other set up works such as platform, wall, track etc	no	20		
6.4	Vertical Drilling in Gravels/Boulders and bed rocks : from ground level to 50m depth				
6.4.1	Drilling through all types of materials	M	1500.00		
6.5	Vertical Drilling in Gravels/Boulders and bed rocks : from 50 to 100m depth				
6.5.1	Drilling through all types of materials	M	800.00		
6.6	Vertical Drilling in Gravels/Boulders and bed rocks : from 100m onward				
6.6.1	Drilling through all types of materials	M	700.00		
7	Miscellaneous				
7.1	Fabrication Handling and Transportation of Core boxes	no.	400		

China Railway First Survey and Design in JVwith PEC, Korea, DMEC, Korea and Silt Consultants P. Ltd. in association with Tech Studio of Engineering P. Ltd			
No	Section/Page/Content	Queries/Questions	Clarification
1	General Query	In case of consultant is involved in design, will there be a conflict of interest in PMC/Construction Supervision? Please Clarify	No
2	General Query	Home country input for the international staff acceptable and invoiceable?	Yes
3	Section 2 : Clause 4.6, p13 Proposals must be submitted no later than 19th Oct. 2016	Since the project involves discussion with International & Nation expert We request you to extend the submission date by at least 4 weeks	Please refer addendum.
4	Section 2 : Clause 5.7, p14 Non Key Staff	Do we need to submit CV for non-key Staff and short Term Specialist with the Bid? Please Clarify.	CV for Non Key staff must be submitted with bid
5	Section 3 : Form 3F, p22 Referee : (Name, Contacts and email)	What "Referee" means?	It is who writes a letter of reference for sb/sth
6	Section 3 : Form 3F, p23 Note: "The CV shall be signed by both, the person and the Authorized Representative of the firm in blue ink."	Would be possible to use scanned signatures instead blue ink?	Scan signature will be considered for the experts but the authorized representative has to sign in blue ink.
7	Section 3 : Form 3F, p23	We kindly ask the Client to provide the quantity for the Topographical and Hydrological survey	Please refer addendum.
8	Section 3 : Clause 3, p37	What's the quantity for alignment survey, topographical survey and geological investigation of approach roads to railway station? Would you specify the work?	Please refer addendum.
9	Section 4 : Form 4E.III,p32 a) Boreholes in clayey/sandy/soil/meter4867.00 b) Boreholes in gravel/pebble/cobble/boulder and rock meter 1995.00	The quantities indicated seem variations with the Consultant's examination. The basis of quantities indicated need elaborated. And we understand that Consultants shall be paid based on the actual Quantity of survey executed, either less or more. Please Clarify	Payment will be based on actual quantity of survey executed.
10	Section 5 : Clause 3.2.12,p53 Transfer of Technology	The TOR requires training/workshop activities to be carried by the consultant for technology transfer purpose, but no cost heading has been put in financial proposal format for such work.	It is USD 15000 as Provisional Sum (PS)
11	Section 5 : Clause 3.3, p54 The Consultant shall prepare detail	Could you please confirm the standard specification system of detailed design period, such as standards of	UIC

	technical specification for each work item taking into account relevant international specification in use in neighboring countries for similar works.	china, Britain, America, or Europe?	
12	Section 5 : Clause 6.6, p547 Plan and profile of the final rail alignment and approach roads showing structures at 1:2500 horizontal and 1:250 vertical scale. Cross section of alignment at 20.00m interval at least 1:200 scale.	What was the scale of topographic map in feasibility study period? (1:2000 or 1:5000)	1:5000 & 1:25000
13	Section 5 : Clause 10(h), p60	The Man-Month allotted for this position is quite less vis-a-vis the quantum of work, especially 14 Railway stations, Depot, Number of Service Buildings, Quarters, etc. Please Clarify	All station buildings need not be of different types. Designs may be repeated.
14	Section : 5 Clause 11, p66 Note :	Is it necessary to attach attested photocopy of educational and work experience certificate of each expert with the CV? Generally, Clients issues "Works Experience Certificates" only for the Consultant instead of for the expert, it creates complicacy and requested to be reconsidered?	Photocopy of educational certificate is required.

China Railway SIYUAN Survey and Design Group Co. Ltd.		
No	Queries/Questions	Clarification
1	Is there any quantity requirement of project experience, specialized in railway, bridge, tunnel, and regional project?	Yes, it is.
2	Whether the evidentiary material of project and experts/staff need to be provide? If yes, whether need to be notarized or certificated.	To be considered currently but submission of Notarized documents will be necessary on demand by the client during the time of negotiation if one qualifies.
3	What about the proportion of foreign currency and local currency?	Approx 60 - 40
4	What is the exact requirement of the training plan reference to item 3.4 Data sheet? Are they railway planning, construction, operation and management?	Training plan for construction, operation and management.
5	There is only two (2) standard forms for survey price, form 4E.III, and 4E.IV, Which are only for the subsoil investigation and tunnel survey. But there are still many other survey works stated in TOR section 5, such as topographic, alignment and land use survey, additional works for bridges, hydrological survey and so on. How to offer the price for these other survey works?	Please refer addendum.
6	Can the client provide the 1:2000 or 1:2500 CAD alignment plan and vertical drawing to bidder? If not, whether bidders shall make it themselves?	Bidders shall make it themselves.
7	Has there any survey control network been set up? What is the accuracy of it? If not, whether bidders shall set it up themselves?	National consultant of consortium will do for it from Department of Survey, Nepal

DOHWA Engineering Co. Ltd. in JV with Korea Railroad Technical Corporation, Korea Rail Network Authority and Full Bright Consultancy P. Ltd					
S.N	Page No	Reference	Existing Conditions	Query/Clarification	Clarifications
1.	General	- EOI notice - Shortlisted notice	- The EOI states"...electrified railway line (HSR) and ".. high speed railway system is necessary - The short listed notice also states "... electrified railway line (HSR)	In the terms of reference there is no ro kindly clarify the HSR including design speed and the operational speed	Design Speed : 200 KMPH Operational Speed : 180 KMPH
2.	Page 1	Section 1: Letter of Invitation	The Third Railway Survey and Design Institute Group Corporation, China in consortium with Tractebel Engineering P. Ltd, India in association with Nepal Transportation and Development Research Centre, Birat Infrastructure Development P. Ltd and Full Bright Consultancy P. Ltd, Nepal	Our local associate Full Bright Consultancy P. Ltd has been erroneously listed with the The Third Railway Survey and Design Institute Group Corporation, China; which is not the case. We request you to amend this and issue and addenda to this effect.	Please refer addendum
3.	Page 14	Section 2 Data Sheet 3.4 (vii) Section 4 4.E.I No. 7	Training is Specific Component of the assignment: Yes	As Training is the specific component of the assignment (ref Data sheet 3.4 (vii)); for consistency among the bidders either of the two options can be adopted, (a) as it is Fixed LS (ref 4E.I No. 7)- Client to provide the Fixed LS amount itself, or (b) provide this as a Provisional Sum. This way all the bidders will be quoting the same amount. Please specify	USD 15000 as Provisional Sum
4.	Page 15 Page 21	Section 2 5.3 (i) Specific Experience of Consultants related to the assignments Section 3: 3B; Consultant Reference	- Only projects completed in the last ten years will be considered irrespective of the project start date - Relevant Services Carried out in the last Ten Years	- What is the cut-off date for completion? Please Clarify - Please also confirm number of project reference sheets that can be submitted by each firm in the JV/Consortium	Bid Submission date of respective RFP Submit as per bidders requirement that too relevant services carried in the last Five Years
5.	Page 17 Page 63	Section 2 7.8 Section 5 Terms of Reference 5. Duration of Services	- The assignment is expected to commence on: November, 2016 - The Consultant is expected to commence the work in December, 2016 and complete in February, 2018	Please confirm November or December	December 2016.
6.		Section 2, 5.3 (i)	Maximum 50 pages	Since the page size is not mentioned, we understand that they are A4 size. Please allow A3 size pages for work plan/schedule, manning schedule, figures and charts for clarity (text size). Please also confirm that only Technical Standard for 3D is considered for counting 50 pages' maximum	Max 50 pages including A3 size pages.

7.	Page 21	3B. Consultant's Reference	Using the format below, provide information on each assignment for which your consultant/entity, either individually as a corporate entity or as one of the major companies within an association, was legally contracted.	Please confirm whether we need to submit client reference along with the filled format as required?	As per RFP Document / Provide clients notarized certificates
8.	Page 26	Section 3 3F. Format of CV for Proposed Staff	Referee:	Please remove this as there was no such practices in recently submitted/awarded packages in the eastern region	As per RFP Document
9.	Page 27	Section 3 3F. Format of CV for Proposed Staff	The CV shall be signed by both, the person and the authorized representative of the firm in blue ink.	As the consultant may be working outside their home location / country for other jobs during the proposal preparation stages; please allow scanned signature of the Engineer/Experts/Specialists and only the original signature of the authorized representative of the firm in blue ink. Please Confirm	Considered.
10.	Page 34	Section 4 4E.I Reimbursable Activity No:6	The Consultants should provide one vehicle to Client staff whenever they request for supervision of consultancy works	- Please provide the vehicle-months requirement for such purpose as mentioned in the RFP so that all bidders can quote their rate as a part of client requirement - Please also provide total number of vehicle months required for the Consultancy Services - Does the client requirement of vehicle to be included in the total vehicle months or separately? Please confirm	Not necessary for client As per RFP Document Not necessary for client
11.	Page 34	Section 4 4E.I Reimbursable Activity	No inclusion of technical service required for the Consultancy services	- There is no information on the technical service like topographical survey along the alignment, river surveys, geological surveys, land use survey, cadastral survey/mapping including land acquisition details, hydrological surveys, inventory surveys, approach road survey, construction material survey, specific survey for station building etc.; SIA and EIA survey assessment, etc. Hence, request to provide the cost items and quantities wherever possible. - Per-diem item for international and national team. Please provide - Local flights for international and national team. Please provide - In case of any missing items, can the consultant propose on its own. Please confirm	Please refer addendum Please refer addendum No
12.	Page 35	Section 4 4EII. Miscellaneous Expenses No2.	Supply of video clips of works in progress during the field survey and drilling works	Please provide the duration, the procedure in capturing the video clips that is required for the different surveys as required by the RFP; so that these are well reflected in the Cost Proposal of all the bidders. Further, as stated in the RFP for boring works, we understand that for depth	Intermittent video clips for all the major bridges and important works during different surveys for evidence.

				greater than 15 meter the video clip is required, please confirm	
13	Page 36	Section 4 4E Miscellaneous Expenses	Page 36 missing details of Tunnel Investigation item and quantities	Please provide us the page 36 details of Tunnel Investigation items and relevant quantities and relevant surveys associated with it	• Please refer addendum (For Package I only)
14.	Page 40 & 41	Section 5 Terms of reference 2.Objectives and 3.1 Review of Findings of the Feasibility Study	- Conduct detailed engineering survey along the selected (after the finalization and approval)alignment including topographical surveys... ... and recommend the final railway	What is the time frame that is required by the Client in the approval?	Three weeks
15.	Page 41	Section 5 Terms of Reference 3. Scope of Work- last sentence	A cost comparison of different types of bridge shall be made and discussed with the DORW before proceeding to bridge site for soil investigations	Please give more clarity on what does the term “types” of bridges is referred here.	RCC/PSC/Simple/Continuous Girder, Plate Girder/Truss
16	Page 42	Section 5 Terms of Reference 3.2.1 Topographic Survey, alignment and land use survey	Preparation of separate of Land plan of the project showing i) all the existing assets within the agreed railway ROW e.g. structures, drain, trees, utilities and, ii) proposed land required in various stretches for the railway infrastructures and the approach roads. For land required to be acquired for the project, the land plan shall be marked on the cadastral maps showing survey/plot numbers and shall be furnished along with a separate report which will include individual land holdings as per land ownership records, area to be acquired for railway and approach road in a suitable format, approved beforehand to facilitate land acquisition proceedings and final report must be approved from concern survey office.	In the pre-bid conference, the client was not sure whether this task is to be done through the consultant or to remove this scope. Please confirm whether the consultant need to plan for this as there will be substantial cost associated with it. Further, getting “ approved from concern survey office” is very time consuming and the consultant may not complete this task within given period of 15 months as the task need to be carried out after the final alignment approved which may be at the end of the project period itself as there will be minor changes in the alignment till the draft final report.	EIA and SIA are both in the Scope of Work.
17.	Page 62 & 63	Section 5 4.1 Team composition, staffing requirement	- Key Staff - Non Key staff	We understand the submission of CVs of the key staff only is required as they bear the marks/score and that of Non-Key staff are not required. Please confirm	CVs of the Non-key staff are necessary.
18.	Page 66	7.1 Consultants Office	The consultant shall establish a project office at suitable location within 200m periphery of Department of Railways, Railway and Metro Development project in Kathmandu. It will also manage site office during survey and investigation works as required around the project area.	It will be very difficult to find an office location within 200m periphery of the present DORW office at Bishalnagar. Please relax this or suggest other alternative as appropriate.	Consultant office for western packages will be provided in DORw premises (anything lacking in furnishing shall be the part of consultants)
19.	Page 67 & 70	Section 5 Terms of References 10 Qualification and Responsibilities of Key Staff	- Team Leader/Railway Expert (12 person-months) - Deputy Team Leader/Highway Engineer (12 person months)	The Team Leader and Deputy Team Leader are the key figures in management and supervision “...day to day operation...” of survey and design works. As the study duration is 15 months and the input of these are limited to 12 months only; this may be not be sufficient to deliver the required	Please refer addendum.

				services as stated in the RFP/TOR including raising of invoices on monthly basis as required by RFP provisions. Hence, request to review the inputs of Team Leader and Deputy Team Leader to 15 person-months	
20.	Page 76 & 77	Section 5 Terms of References 12 Mode of Payment-3 rd paragraph	Tax liabilities	- We understand that an entity (companies/firms/JV) registered in VAT is liable for deduction of TDS of 1.5% by the Client based on the Contract Agreement and all other tax related liabilities lies with the companies/firms/JV as stated in the 3.7 of Data Sheet. Please clarify and Confirm. - We understand when the member of The Consultant/Consortium/JV/ Association own resources area utilized; then the rental agreement is not Required. Please confirm - Drafting is carried out by draft persons and the project requires large number of drawings/maps to be prepared. Hence, producing “bills” as stated in RFP is not an appropriate way of addressing this. It is to be Fixed Monthly basis for drafting service. Please confirm	It is clearly written in the document. For this new consortium, some kind of rental agreement is required between the owner & consortium. It is Fixed LS basis (Please refer addendum)
21.	Page 71	Section 5 Terms of Reference 10 Qualification of Key Staff Tunnel Engineer	She/he must be graduate in Civil Engineering	Tunnel engineering is new in Nepal. Engineering geologist are the key experts working in this area must in the hydro sector. Hence, allow graduate in engineering geologist to participate in the bid and name it as “Tunnel Specialist” along with Tunnel Engineer.	Please refer addendum.
22.	Page 71	Section 5 Terms of Reference 10 Qualifications of key Staff Hydrologist (National)	Hydrologist (9person months)	We suggest that the input of Hydrologist (key person) be reduced to 5 person months and introduce another Hydrologist (as non key) with another 5 person months for effective utilization of resources	Please refer addendum.
23.		Section 5 Terms of Reference 10 Qualifications of Non key Staff	No input of River Training Specialist	A similar package in the eastern sector (Bardibas-Inaruwa section) has the Specific provision of the River Training Specialist; but there is no such provision of the River Training Specialist for this section. Hence, we request for the inclusion of River Training Specialist with at least 5 person months of input; as it is essential.	Not Necessary.
24.	Page 71 & 72	Section 5 Terms of Reference	5 Years specific experience in Railway/Road/River Training project as Hydrologist (Page 71 – last bullet) - Completed at least (3) Assignments in Railway/Road bridge design as Hydrologist (page 72 first sentence)	Also consider as “ She/he should have completed at least (3) Assignments in Railway/Road bridge/River Training Project as Hydrologist.	Please refer addendum.

25.	Page 62	Section 5 4.1 Team Composition	Experts working in the ongoing railway projects in the eastern packages	Please confirm that the Engineers/ Specialists / Experts working in the ongoing railway projects in the eastern packages (Package 1 & 2) with lesser input, without overlapping the schedule be proposed for these packages as the start time of this assignment may not likely start earlier than December and already about 5 months have been passed in these ongoing assignments.	Shall be proposed for these packages without overlapping.
26.	Page 17	Section 2 5.3(i)	Specific experience of the consultants related to the assignment(only projects completed in the last ten years will be considered irrespective of the project start date)	In the EOI stage and the previous tender, projects in the last five years were required for the consultants. However, in this tender, it requires consultants' experience of the last ten years. Please explain the reason behind the change of the requirement and we request to revise the current experience requirement of the past ten years to the past 5 years.	Please refer addendum.