

### Pre Bid Meeting - Details of Queries & Clarifications Furnished

Name of the Project : ITEL

Name of the Tender : Consultancy services for the preparation of Detailed Project Report for the construction of Elevated Road from Taramani to Siruseri under Phase-I and from Siruseri to Mahabalipuram under Phase-II for a length of 45 Km along OMR, Chennai TamilNadu

S No	Reference	Query Raised	Response / Clarification	Remarks
1	Page 60 Section 6.1	It is understood a detailed options study is only required. Please clarify	The Bidder has to study different options and incorporate the suggestions and advise in a comprehensive manner illustrating the prevalent configuration elsewhere and advise as to how to integrate these multimode developments in the Elevated Highway Corridor Design	
2	Page 65, 4.9.1	Since the corridor length itself 45 km the above reference it not relevant. Please clarify	The minimum number of survey stations for carrying out different type of close surveys are as given in the table 4.9.1 in page 65 to be followed.	
3	Page 65, 4.9.1	Since the corridor length itself 45 km the above reference it not relevant. Please clarify	The minimum number of survey stations for carrying out different type of close surveys are as given in the table 4.9.1 in page 65 to be followed.	
4	Page 69, 4.19	We believe this is a typo graphical error. Please clarify.	It should be read as follows: Year 2015. The traffic flow estimates shall be done for the period 2015-2030	
5	Page 66, 4.9.3	There is no mention of traffic surveys on the alternative route ECR which is proposed to be widened to 4 lanes from the existing 2 lanes. We believe it is necessary to conduct traffic surveys both classified traffic volume counts as well as origin destination surveys on this corridor also to understand the travel pattern on this corridor. Please clarify	No change	

S No	Reference	Query Raised	Response / Clarification	Remarks
6	Page 3	The time frame allotted for the preparation of proposal is too short. Also for assessing the quantum of work and awareness of the site/stretch is very much essential before submission of the proposal. Hence we request you to arrange site visit for all the prospective bidders. It is requested that the date of submission of the proposal may please be extended and a period of atleast 3 weeks may please be given for preparation of the proposal from the date of issue of clarifications so that our experts can prepare a comprehensive proposal	No change	
7	Page No.23, S.No.4	There are no projects having 20 km elevated corridor in India. We request you to consider 5 km elevated road as basic eligibility criteria	The firm should have experience in elevated road projects of 10km length 6/5/4/3 projects	
	Page No.23, Point No.4	Reference to the above point regarding basic eligibility criteria to modify marking system	No change	
8	Page no.24 C. Qualification and competence of the key staff for the assignment Team Leader cum Senior Bridge Design engineer	There are no projects having 20 km elevated corridor in India. We request you to consider 5 km elevated road as basic eligibility criteria	The Team Leader should have experience in elevated road projects of 10km length 6/5/4/3 projects	
9	5.5 Payment schedule, Page 139	The maximum work is there in phase -I. hence we request you to revise the payment structure as 60% in phase-I and 40% in phase-II. Considering the importance of the project and complexity involved, we request you to consider 12 months for phase-I and 12 months for phase-II	No change	

S No	Reference	Query Raised	Response / Clarification	Remarks
10	5.5 Payment schedule, Page 139	Retaining 20% of payment for approval of Final DPR is not reasonable, since the consultants work is nearly completed on submission of Final DPR. Hence the final payment of approval of Final DPR is requested to be made into 5% by suitably distributing the balance 15% on submission of GFC drawings	No change	
11	Page 78 Clause 4.11.4.4	We would like to propose unit rate for soil investigations in soils and hard rock separately. Actual cost will be reimbursed to the consultant based on work done at site	No change	
12	Page 60 and 94	In RFP stages 1 to 4 are defined differently in two places. Please clarify the same.	In Page 94, Clause 9.2 On reports to be submitted by the consultants to TNRDC has to be adopted	
13	General	Geometric design of alignments. Requirements of Highway and Mono /Metro are quite different. Existing road may not match for that. We may have to go for LA in phase-I. Please clarify.	Minor Land Acquisition may be considered	
14	General	There are some important road junctions in phase-I. Interchanges will be required for allowing traffic to get into the elevated Highway or out of it. This may call for LA. Please clarify	Minor Land Acquisition may be considered	
15	General	Ramps may be required in between points which will involve LA. Please clarify	Minor Land Acquisition may be considered	
16	General	Please specify minimum facility to be provided at ground after the elevated highway construction? Two lane road with footpath on either side? i.e. this DPR will have to cover this design also? This is important for consultant so as to estimate staff input requirement accordingly while financial quotation. Please give clarity	Four lane with service roads to be considered for phase-II	

S No	Reference	Query Raised	Response / Clarification	Remarks
17	General	<p>The MonoRail or Metro provision in the design of the Elevated Highway. Rail can be provided in any one of these methods</p> <ol style="list-style-type: none"> <li>1. Below ground in Tunnel</li> <li>2. At the same level as Highway and</li> <li>3. Below or above the Elevated Highway. Please clarify the same.</li> </ol> <p><b>Below ground in Tunnel</b> - High water table problem, poor subsoil possibly with rock at about 12m depths. For stations LA has to be done. <b>At the same level as Highway</b> - It will call for a wide deck and wider pier caps. Substructures and foundations have to be designed for both loads now. Designs will be complicated and more time consuming. <b>Below or above the Elevated Highway</b>- Substructures and Foundations have to be designed for both loads now. Designs will be complicated and more time consuming. Please give your views on this and a list of stations required to be provided.</p>	Consultant has to provide various options to the employer for taking decision	
18	General	The Maximum or minimum age for Key Staffs are not given. Please provide the same	Maximum age of key staff is 65 years	
19	General	Whether DPR consultants designs have to be proof checked?If so , we understand TNRDCwill directly pay required fee to the proof consultant	TNRDC will consider after submission of Final DPR	
20	Page 23 Point No.4	To attract good competition, we request you to reduce the length criteria to 4 km	The firm should have experience in elevated road projects of 10km length 6/5/4/3 projects	

S No	Reference	Query Raised	Response / Clarification	Remarks
21	Page 23 Point No.5	To attract good competition, we request you to reduce the length criteria to 100m	No change	
22	Page 103, Pointno.13	After completion of services the final contract amount shall be worked out on the basis of inputs and services actually carried out and the payment shall be adjusted accordingly. Please clarify	Payment of 33% on the submittals will be made for each item for phase-I	
23	Page 116	This form is not relevant for technical proposal submission	Agreed. May be submitted along with the financial proposal	
24	Page 117,39,150	Time period for Assignment. Package 1-6 months whereas the D.P.REPORT needs to be submitted in 12 months. Please clarify. Time period for assignment package-II - 12 months whereas the final D.P.REPORT needs to be submitted in 5 months. Please clarify Request you to revised the submission time schedule	No change	
25	Page 145 Point No.6.2	Since the contract is on lumpsum basis and payment to consultant are on percentage basis of submission. Hence please explain the relevance of point no.6.2 General Condition of Contract mentioned point no. 6.2 as deleted	The percentage payment will be made based on the Grand Total of the summary of costs submitted by the bidder as per page 156. Appendix H: Cost Estimate	

**Pre Bid Meeting - Details of Additional Queries & Clarifications Furnished**

Name of the Project : ITEL

Name of the Tender : Consultancy services for the preparation of Detailed Project Report for the construction of Elevated Road from Taramani to Siruseri under Phase-I and from Siruseri to Mahabalipuram under Phase-II for a length of 45 Km along OMR, Chennai TamilNadu

S No	Reference	Query Raised	Response / Clarification	Remarks
26	Section 1, Clause 7, page 6	Keeping the minimum qualifying mark as 70, it is requested to rank the proposal according to the combined technical (ST) and financial (SF) scores as follows: $S = ST \times Tw + SF \times Fw$ Where S is the combined score, and Tw and Fw are weights assigned to Technical Proposal and Financial Proposal that shall be 0.80 and 0.20 respectively. [i.e., QCBS - 80:20]	No change	
27	Appendix to Data Sheet, (A) Relevant Experience of the firm for the assignment, SI.No.4, page 23 Appendix to Data Sheet, (A) Relevant Experience of the firm for the assignment, SI.No.4, page 23	Since there are very less number of Elevated projects with more than 20 Km length in the World, it is requested to reduce the minimum length criteria to at least 15km for eligibility.	The firm should have experience in elevated road projects of 10km length 6/5/4/3 projects	

S No	Reference	Query Raised	Response / Clarification	Remarks
28	Section 2, Part 1: Technical Proposal, (vi), Page 16	Since, the total project duration for this assignment is 18 months, it is requested to accept intermittent inputs for all the proposed staffs (except Team Leader) in other projects for duration of not more than 4 months. Else the key staff will have to remain idle for the remaining project period which is not a financial viable option for the firm.	No change	
29	Appendix to Data Sheet, (C) Qualification and Competence of the key Staff for the assignment, SI.No.3, page 25	Please clarify the allotment of 2.5 marks against the experience of "5 years and above" when the minimum qualifying criteria mentions the requirement of having minimum experience of 10 years	It should be read as detailed below Graduate in Civil Engineering with 10 years experience and above - 3 marks      Diploma in Civil Engineering with 15 years experience and above - 2.5 marks	
30	Appendix to Data Sheet, (C) Qualification and Competence of the key Staff for the assignment, SI.No.7, page 27	The experience requirement (highlighted in BOLD letters) seems to be a typographical mistake. Please clarify.	It should be read as detailed below Professional Experience in Geo-Technical Engineering More than or equal to 10 years - 3 marks More than or equal to 5 years - 1 mark	
31	Appendix B-7, (B) Completion and Submission of reports, page 39.	The durations mentioned against the activities seems to be a typographical error. Please clarify.		
32	Enclosure-D Schedule for Submission of Reports and Documents, page 117.	The durations mentioned against the activities seems to be a typographical error. Please clarify.		

S No	Reference	Query Raised	Response / Clarification	Remarks
Enclosure-D Modified Schedule for Submission of Reports and Documents, page 117.				
Stage no	Activity	Time period for assignment Package-I months	Time period for assignment Package-II 12 months	No.of copies
1	Monthly Reports			3 per month
2	Inception Report	01 month from the date of commencement of services	02 months from the date of commencement of services	5
2	Preliminary Report	02 month from the date of commencement of services	04 months from the date of commencement of services	5
3	4	04 month from the date of commencement of services	07 months from the date of commencement of services	5
4	5	06 month from the date of commencement of services	12 months from the date of commencement of services	10
33	Section 3, Appendix-A, 1, vii (b), Note*** (c) Page 30	Is the same note (***(c)) relevant for the details sought under Section 3, Appendix-A, 1, vii (a) also? Please clarify.	No change	
34	Data Sheet, 4.6, Page 20	It is requested that the date of submission of the proposal may please be extended, and a period of at least 2 weeks may please be given for preparation of the proposal from the date of issue of clarifications so that our experts can prepare a comprehensive proposal addressing all issues of the RFP document/ ToR.	No change	



S No	Reference	Query Raised	Response / Clarification	Remarks
35	Page 23  A(4) Appendix to sheet	<p><b>Experience of Firm</b></p> <p>It is mentioned that the firm should have exp in elevated road projects of 20km length, 6/5/4/3 projects. In our country maximum length of elevated road is 11.6km i.e., the PVNR expressway, Hyderabad. Others are small in length.</p> <p>We request you to consider the relaxing the criteria to 2km and number of projects to 3/2/1. As the project is a typical for almost full length, experience in terms of length do not matter. The approach do not vary much from Longer length to shorter length.</p> <p>Overseas experience will not be helpful as the prevailing conditions of availability &amp; cost of equipment, material and construction techniques are different.</p>	The firm should have experience in elevated road projects of 10km length 6/5/4/3 projects	
36	Page 24,  C(4) Appendix to Data Sheet	<p><b>Experience of TL</b></p> <p>It is mentioned that the firm should have exp in elevated road projects of 20km length, 6/5/4/3 projects. In our country maximum length of elevated road is 11.6km i.e., the PVNR expressway, Hyderabad. Others are small in length.</p> <p>We request you to consider the relaxing the criteria to 2km and number of projects to 3/2/1. As the project is a typical for almost full length, experience in terms of length do not matter. The approach do not vary much from Longer length to shorter length.</p> <p>Overseas experience will not be helpful as the prevailing conditions of availability &amp; cost of equipment, material and construction techniques are different.</p>	The Team Leader should have experience in elevated road projects of 10km length 6/5/4/3 projects	

S No	Reference	Query Raised	Response / Clarification	Remarks
37	Page 27 C (7) Appendix to Data sheet	<b>Experience of Material - cum - Geotechnical Engineer</b>	It should be read as detailed below Professional Experience in Geo-Technical Engineering	
		It is mentioned that "experience in Environmental & SIA". PI clarify.		
38	Page 54 Appendix C3 Item IV (1)	<b>Transportation</b>	The usage of vehicle is not for employer. It is for the consultant's work.	
		It is mentioned that "The vehicle provided by the consultant..". Do we have to provide TNRDC the vehicle? PI clarify.		
39	Page 62-82  Section - 6, Cl. 4.1 - 4.12	<b>Scope of services</b>	Consultant should explore the possibility of providing way side amenities, intersection and arboriculture at grade road	
		Most of the items like inventory & condition of existing road, culverts, bridges, pavement investigations, sub-grade soil data, intersection design, wayside amenities, arboriculture etc., are related to new road formation or widening of existing at-grade road. Please clarify the relavence of these tasks to the elevated road. We request to modify the majority of the tasks identified to suit elevated road.		
40	page 62  Section - 6, Cl.4.1 (i-a)	<b>Public Consultation</b>	Public consultation is reduced to two stages instead of four stages. The consultant should carry out one public consultation at feasibilty stage and one public consultaion should be carried out in DPR stage	
		Public consultation is proposed in 4 stages. It may be reduced to 2 stages i.e. Feasibility Stage & DPR Stage. Please confirm		
41	Page 63 Section - 6, Cl.4.1 (xx)	<b>Design of Toll Plaza</b>	No change	
		Whether the residential complex is mandatory with office? Please confirm		
42	page 63 Section - 6, Cl.4.1 (xxi)	<b>Design of Weighing .....</b>	These facilities may be considered at Ground Level. Hence no change	
		Are parking areas and rest areas required in the elevated road? Please confirm		

S No	Reference	Query Raised	Response / Clarification	Remarks
43	page 68	<b>IT Companies Omni Bus Terminal Survey</b>	The consultant should identify the locations of Bus Terminal only	
	Section - 6, CI.4.9.8.1	We presume that the scope is identification of requirement of IT Companies Omni Bus Terminals only. Exact location, layout, design, etc are not included. Please confirm.		
44	page 74/83	<b>Pavement Investigation</b>	No change	
	Section - 6, CI.4.11.3.2 & CI.4.12.4	Is pavement investigations and pavement design on existing at grade roads required? Please confirm.		
45	page 76	<b>Sub-grade Characteristics</b>	No change	
	Section - 6, CI.4.11.3.3	The project is construction of elevated road along OMR. Whereas, sub-clause 2 provides methodology for widening (4 or 6 laning) and new alignment. Please clarify.		
46	page 79	<b>Geotech investigation</b>	The drilling of bore-hole for Geo-Tech investigation may be carried out at 150m intervals or wherever change in strata is met with.	
	Sec-6, cl.4.11.4.4	It is mentioned that the bore hole shall be taken for each abutment and per for bridge having length more than 60m. As our project is a 45km long elevated road ( an elevated land bridge), drilling bore at each pier location will be difficult and not necessary. Bore hole can be drilled at 150m intervals or change in strata whichever is more.		
47	page 82	<b>Road design for new bye-pass</b>	No change	
	Section - 6, CI.4.12.3.11	This sub-clause describes about road, pavement and drainage design of new bye-passes. Also about curved stretches and junction improvements. We presume that, these are not included in the project. Please clarify.		
48	page 87	<b>EIA</b>	The statutory fees will be paid by the employer	
	Section - 6, CI.4.13.1	The consultant will provide the necessary documents and assist TNRDC to obtain the clearances. All statutory fee to various agencies will have to be paid by TNRDC. Please confirm		

S No	Reference	Query Raised	Response / Clarification	Remarks
49	page 88  Section - 6, Cl.4.13.2	<b>SIA</b>	The Land Plan Schedule has to be prepared by the consultant and submitted to the concerned authorities. The consultant should also assist the employer in all respects related to Land Acquisition	
		The consultant will prepare the LAP. Acquisition of land is a field activity & time consuming activity. It is mentioned in the scope of 'assist TNRDC in acquisition of land'. Please clarify.		
50	page 105-107 Supplement II	<b>Addl points</b>	Wherever any river/waterways/canal crosses the project road this clause is applicable	
		This portion is relavent to river bridge. We request you to drop /delete this portion.		
51	page 108-111 Supplement III	<b>Addl req for safety audit</b>	No Change	
		The items covered in this portion is relavent to at-grade highway. We request you to modify to suit elevated highway.		
52	Page 117 Enclosure-D	<b>Schedule of submission</b>	No. of copies to be submitted as indicated in Appendix B.7.B Completion and submission of reports as indicated in page 39	
		No of copies mentioned here differs with the numbers given in Appendix- B7 (Pg. 39). Pl clarify.		
53	page 117 Enclosure-D	<b>Submission time</b>	The commencement of consultancy services should be carried out simultaneously	
		Time period for each stage & phase w.e.f date of commencement of consultancy services is given. Are both phases are simultaneous or phase-II shall be started after phase I? Pl clarify.		
54	page 139  GCC cl. 5.5	<b>Payment</b>	Payment terms will be considered.	
		It is mentioned that total projet cost is limited to 33% for Phase-I and 67% for Phase-II. We request you to change it to 67% for Phase-I & 33% for Phase-II, as majority of activities will be done at phase-I period itself. Also the work involved in Phase-I is more than Phase-II.		

S No	Reference	Query Raised	Response / Clarification	Remarks
55	page 156-162	<b>Summary of costs</b>	The payment is based on the total value on the summary of costs submitted as per Appendix - H under cost estimates	
	Appendix-H	We presume that the break down of cost given will be used to asses our bid only. It will not have any effect on the stage payments. Please confirm.		
56	General	<b>Existing RoW</b>	Existing ROW will be provided by the employer	
		Phase-I of OMR already improved as 6L with SR. We understand that, LAP/LPS are prepared already for improvement of Phase-II. We presume that, the existing/proposed RoW of OMR will be provided by TNRDC. Please confirm.		
57	General	<b>Utility Corridor</b>	The collection of storm water and disposal arangements should be provided	
		We presume that, no utility corridor/space is required in the elevated structure (except highway lighting). Collection of Storm water from elevated structure and dispose-off into existing at-grade drainage system is only covered in the scope of work. Please confirm.		
58	General	<b>Feasibility</b>	The consultant should incorporate suggestions to carryout the work either with EPC mode or with PPP mode	
		We have observed that the traffic beyond Siruseri is very less. If the project is not Economically viable, Will the DPR study continue? Please clarify.		
59	page113	<b>Qualification of Key personnel</b>	The experience for Senior Highway Engineer is reduced to 15 years. The change in the Qualification and competence for the key staff	
	Enclosure - B	Experience of sr. highway Engineer may please be reduced to 15 years in line with other Key personnel.		