

National Highways & Infrastructure Development Corporation Ltd

Minutes of Meeting of Empowered Technical Bid Evaluation Committee (ETEC) dated 27.02.2018 for "Consultancy services for Authority's Engineer for Supervision of Construction, Operation and Maintenance of 2-Lane bi-directional Zojila Tunnel with Parallel Escape (Egress) Tunnel excluding approaches on Srinagar-Leh Section connecting NH-1 at km 95.00 and at km 118.00 in the State of Jammu & Kashmir on EPC Basis".

The following five firms submitted their bids for the subject project by due date and time.

- (i) M/s AECOM Asia Company Limited in Association with AECOM India Private Limited .
- (ii) M/s TPF GENTISA EUROESTUDIOS S. L. in Association with RODIC CONSULTANTS PVT. LTD.
- (iii) M/s YOOSHIN ENGINEERING CORPORATION in Association with CASTA Engineers Pvt. Ltd.
- (iv) M/s GEODATA ENGINEERING S.P.A in Association with Segmental Consulting & Infrastructure Advisory (P) Ltd.
- (v) M/s EPTISA Servicios De Ingenieria, S.L in JV with GEOCONTROL, S.A.

2. The Empowered Technical Bid Evaluation Committee (ETEC), in its earlier meeting dated 11.02.2018 had recommended certain clarifications be sought from the bidders. The bidders have since submitted the clarifications, on the basis of which the ETEC evaluated the bids for Stage-I evaluation i.e. Proof of Eligibility.

**3. Proof of Eligibility as per Clause 11(A) and (B) of ITC of RFP:**

**3.1 M/s AECOM Asia Company Limited in Association with AECOM India Private Ltd:**

3.1.1 It was observed by the Committee that the company had claimed the projects at INFRACON Sl. no. 18 and 19 against both DPR and Supervision works. However, the same work was observed to be under the Supervision category and was considered as such and where the works were not substantially completed, the same was not considered towards evaluation. The firm was observed to have not possessed requisite experience in the preparation of DPR by the Committee. However, the firm has qualifying experience in other eligibility criteria. The firm failed to fulfill all the eligibility criteria as mentioned in clause 11 (A) of ITC of RFP and does not qualify for further evaluation; the details are as per Appendix-A of Annexure-I.

**3.2 M/s TPF GENTISA EUROESTUDIOS S. L. in Association with RODIC CONSULTANTS PVT. LTD.**

3.2.1 On evaluation, it was observed that the firm meets all the eligibility criteria as required under clause 11 (A) of ITC of RFP. The details of evaluation are as per Appendix-A of Annexure-I.

**3.3 M/s YOOSHIN ENGINEERING CORPORATION in Association with CASTA Engineers Pvt. Ltd.:**

3.3.1 The project claimed under DPR/Design/Feasibility study and under supervision/ IE/AE works was examined and a few projects where the name of the client was not mentioned in the completion certificate were not considered. Certain projects where the tunnel lengths were not mentioned in the completion certificates were also not considered. In case of a few projects, the completion certificates were not submitted



subsequent to the clarifications submitted and in few others, the details of work mentioned in the copies of Contract Agreements submitted did not match with the details mentioned in the certificates. In certain projects, although 04 or more no. of agreements were mentioned but only 1 no. of agreement copy was submitted, hence those projects were also not considered. In a few projects, the firm was found to have worked as an Engineering consultant to the contractor or the bidder; those projects were also not considered for evaluation. Ultimately, it was found out that the firm does not qualify the eligibility criteria for both DPR/ Design/ Feasibility works and supervision/ IE/AE works under clause 1 (a) of Table under 11(A) of RFP. The firm also does not qualify for clause 1(b) of Table under 11(A) of RFP for DPR/ Design/ Feasibility works and supervision/ IE/AE works. The details of evaluation are as per Appendix-A of Annexure-I.

#### **3.4 M/s GEODATA ENGINEERING S.P.A in Association with Segmental Consulting & Infrastructure Advisory (P) Ltd.:**

3.4.1 On evaluation, it was observed that the firm meets all the eligibility criteria as required under clause 11 (A) of ITC of RFP. The details of evaluation are as per Appendix-A of Annexure-I.

#### **3.5 M/s EPTISA Servicios De Ingenieria, S.L in JV with GEOCONTROL, S.A.:**


3.5.1 On evaluation, it was observed that the firm as a JV, meets all the eligibility criteria as required under clause 11 (A) and 11 (B) of ITC of RFP. The details of evaluation are as per Appendix-A of Annexure-I.

4. In view of the above, ETEC recommended that the following firms qualify the Minimum Eligibility Criteria as detailed in **Annexure-I**:

- (i) M/s TPF GENTISA EUROESTUDIOS S. L. in Association with RODIC CONSULTANTS PVT. LTD.
- (ii) M/s GEODATA ENGINEERING S.P.A in Association with Segmental Consulting & Infrastructure Advisory (P) Ltd.
- (iii) M/s EPTISA Servicios De Ingenieria, S.L in JV with GEOCONTROL, S.A.

Meeting ended with vote of thanks to the chair.

  
Sh. Sanjeev Malik  
Executive Director-III  
(Convenor)

  
Sh. Pradeep Sharma,  
GM (Tech.)  
(Member Secretary)

  
Sh. M.S Deol  
GM (Tech.)  
(Member)

  
Sh. Uttam Chatterjee, Dy.  
Dy. GM (Fin.)  
(Member)

**Project Name: Consultancy services for Authority's Engineer for Supervision of Construction, Operation and Maintenance of 2-Lane bi-directional Zojila Tunnel with Parallel Escape (Egress) Tunnel excluding approaches on Srinagar-Leh Section connecting NH-1 at Km 95.00 and at Km 118.00 in the State of Jammu & Kashmir on EPC Basis**

**Summary of minimum eligibility requirement (Details as per Appendix-1)**

S. No.	Name of firm	Whether Sole Applicant satisfies the minimum eligibility criteria mentioned in RFP	Whether Lead Partner in case of JV satisfies the minimum eligibility criteria mentioned in RFP	Whether Other Partner in case of JV satisfies the minimum eligibility criteria mentioned in RFP	Whether Lead Partner and JV Partner jointly satisfies the minimum eligibility criteria mentioned in RFP.	Whether the Applicant (Sole firm or firms in JV) satisfies the minimum eligibility Criteria as given in the RFP.
1	M/s AECOM Asia Company Ltd. in association with AECOM India Pvt Ltd.	No	NA	NA	NA	No
2	M/s EPTISA Servicios De Ingenieria S.L. in JV with Geocontrol, S.A	NA	Yes	Yes	Yes	Yes
3	M/s TPF Getinsa Eurostudios S.L. in association with Rodic Consultants Pvt. Ltd.	Yes	NA	NA	NA	Yes
4	M/s Yooshin Engineering Corporation in association with Casta Engineers Pvt. Ltd.	No	NA	NA	NA	No
5	M/s GEODATA ENGINEERING S.P.A in association with Segmental Consulting & Infrastructure Advisory (P) Ltd.	Yes	NA	NA	NA	Yes

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Project Name: Consultancy services for Authority's Engineer for Supervision of Construction, Operation and Maintenance of 2-Lane bi-directional Zojila Tunnel with Parallel Escape (Egress) Tunnel excluding approaches on Srinagar-Leh Section connecting NH-1 at Km 95.00 and at Km 118.00 in the State of Jammu & Kashmir on EPC Basis

Minimum eligibility criteria-comparison

1. Eligibility of sole firm						
S. No.	Criteria	Eligibility requirement	Name of firm			
			1	2	3	4
			M/s AECOM Asia Company Ltd. in association with AECOM India Pvt Ltd.	M/s TPF Getinsa Eurostudios S.L. in association with Rodic Consultants Pvt. Ltd.	M/s Yooshin Engineering Corporation in association with Casta Engineers Pvt. Ltd.	M/s GEODATA ENGINEERING S.P.A in association with Segmental Consulting & Infrastructure Advisory (P) Ltd.
1	Experience of the firm in Preparation of DPR (NH/SH/ Equivalent)	<p>The firm should have minimum experience of</p> <p>1.1 Preparation of detailed Project Report/Design Feasibility Study/ of Tunnel** project of aggregate length equal to 1.5 times (21.465 km) or more of similar category for which RFP is invited in the last 12 years</p>	<p>Project serial nos. as on INFRACON</p> <p>Sl no. 22 : (0.6*8.50 km) = 5.1 km</p> <p>Total agg. length : 5.1 km &lt; 21.465 km</p> <p>Projects not considered:</p> <p>Serial No. 2: . [Not a tunnel project].</p> <p>Serial No. 9: [ Pre-feasibility study work].</p> <p>Sl No. 16 : 3.019 km. This project has not been executed by the bidder, but by Associate member, hence not considered.</p> <p>Sl no. 18 : Supervision work. Moreover, no further documents submitted pursuant to the clarification sought.</p> <p>Sl no. 27 : 4.9 km. Supervision work (80% completed). Moreover, no further documents submitted pursuant to the clarification sought</p> <p>Projects not considered:</p> <p>Sl no. 6 : 1.820 km. Tunnel length not mentioned in the certificate.</p> <p>Sl no. 19 : 1.210 km. Not a DPR project as per the experience certificate.</p> <p>Sl no. 49 : 10 km. Experience certificate is not complete.</p> <p>Sl no. 88 :.</p>	<p>Project serial nos. as on INFRACON</p> <p>Sl no. 4 : (0.7*0.6) = 0.420 km</p> <p>Sl no. 7 : 13.74 km</p> <p>Sl no. 9 : (0.7*10.095 km) = 7.066 km</p> <p>Sl no. 10 : (0.6*1.3 km) = 0.78 km</p> <p>Sl no. 16 : 6.79 km</p> <p>Sl no. 24 : (0.6*58.64 km) = 35.184 km</p> <p>Sl no. 28 : 1.278 km</p> <p>Sl no. 34 : (0.5*3.897 km) = 1.948 km</p> <p>Sl no. 38 : (0.65*15.2 km) = 9.88 km</p> <p>Sl no. 46 : (0.25*8 km) = 2 km</p> <p>Sl no. 47 : 3.14 km</p> <p>Sl no. 48 : (0.7*5.65 km) = 3.955 km</p> <p>Sl no. 68 : (0.5*19.732 km) = 9.866 km</p> <p>Sl no. 80 : 24.190 km</p> <p>Sl no. 90 : (0.4*12.60 km) =5.04 km</p> <p>Total agg. length : 125.277 km &gt; 21.465 km</p> <p>Projects not considered:</p> <p>Sl no. 6 : 1.820 km. Tunnel length not mentioned in the certificate.</p> <p>Sl no. 19 : 1.210 km. Not a DPR project as per the experience certificate.</p> <p>Sl no. 49 : 10 km. Experience certificate is not complete.</p> <p>Sl no. 88 :.</p>	<p>Project serial nos. as on INFRACON</p> <p>Sl no. 30 : (0.60*0.041)= 0.0246 km</p> <p>Sl no. 31 : (0.733*0.655) = 0.480 km</p> <p>Sl no. 35 : (0.4*1.169 km) = 0.467 km</p> <p>Sl no. 48 : (0.6*570 km) =0.342 km</p> <p>Sl no. 49 : (0.5*2.51 km) =1.255 km.</p> <p>Sl no. 58 : (0.5*0.89 km) =0.445 km</p> <p>Sl no. 60 : (0.5*6.03 km) =3.015 km</p> <p>Sl no. 61 : (0.5*360 km) = 0.18 km</p> <p>Sl no. 94 : (0.5*0.230 km) =0.115 km</p> <p>Sl no. 107 : (0.55*0.540km) =0.297 km</p> <p>Sl no. 108 : (0.35*0.460km) =0.461km</p> <p>Total agg. length :7.0816 km &lt; 21.465 km</p> <p>Projects not considered:</p> <p>Sl No. 23 : (0.65*0.805) = 0.523 km</p> <p>Sl no. 32 : (0.5*10.439 km) = 5.219 km.</p> <p>Reason: 05 CA as per certificate on INFRACON. Only 1 CA subsequent to the clarification has been submitted and the length cannot be attributed to that particular contract. Hence not considered.</p> <p>Sl no. 63 : (0.9*15.9 km) = 14.31 km. Track bed design work. There is discrepancy in Contract period in betn Certificate and CA. Original certificate not submitted.***</p> <p>Sl no. 64 : (0.9*4.326 km) = 3.893 km. Details in the certificate and the CA doesnot match. 3 contracts in the Exp certificate whereas only 1 CA has ben submitted for a period of 5 days only. Hence not considered.</p> <p>Sl no. 67 :(0.8*3.175 km) = 2.54 km. Client name not given in translated certificate. Date of Contract Period in translation not matching.</p> <p>Sl no. 71 : (0.335*1.555 km) = 0.52 km Client name not given in the translated certificate. Engineering consultant to the contractor.</p> <p>Sl no. 75 : =9.487 km. 4 agreements mentoned in the exp certificate and only 1 copy of CA submitted. Tunnel length claimed cannot be attributable to the submitted CA.</p> <p>Sl no. 78 : (0.5*1.800 km) = 0.90 km. Name of the client on the exp certfiacte and on CA do not match.</p> <p>Sl No. 85: Contract Period do not match as per the clarification submitted.***</p> <p>Sl no. 86 : (0.4*1.624 km) = 0.649 km. The brief description of the project is detailed geo-technical and geological analysis, prep of technical specifications and traffic analysis.Details in the certificate and the CA doesnot match.</p> <p>Sl no. 89 : (0.9*1.675 km) = 0.9675 km. Details in the certificate and the CA doesnot match.</p> <p>Sl no. 104 : (0.2*1.01 km) =0.202 km. Details in the certificate and the CA doesnot match.</p> <p>Sl no. 110 : =4.824 km. Not a DPR work, worked as a Engineering consultant to the bidder.</p> <p>Sl no. 112 : (0.2340*.3.577km) =0.837 km. Not a DPR work, worked as a Engineering consultant to the contractor</p> <p>Sl no. 113 : (0.5996*11.165km) =6.694 km. (Not a DPR work, worked as a Engineering consultant to the contractor</p> <p>*** The details of project profile submitted for both the projects are same.</p>	<p>Project serial nos. as on INFRACON</p> <p>Sl no 4: (0.8896*1.900)= 1.6902 km</p> <p>Sl No. 8 : 7.00 km</p> <p>Sl no. 14 : = 18 km</p> <p>Sl no. 15: (0.7*35 km) = 24.50km</p> <p>Sl no. 16 : 105.560 km</p> <p>Sl no. 17 : 6.30km</p> <p>Total agg. length : 163.05 km &gt; 21.465 km</p> <p>Projects not considered:</p> <p>Sl no. 9 :Private concessionaires work Chenani-Nashri Tunnel</p> <p>Sl no. 18 : Employers certificate not submitted.</p>

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		1.2 Prepared DPR/Design/Feasibility Study/ for at least one project of similar category of Tunnel** work of 30% of project length (4.29 km).	Project serial nos. as on INFRACON Sl no. 22 : (0.6*8.50 km) = 5.1 km No. of projects having length more than 4.29 km = 1 no.	Project serial nos. as on INFRACON Sl no. 9 : 5.990 km Sl no. 16 : 4.68 km Sl no. 24 : (0.6*8.518) = 5.11 km Sl no. 80: 5.465 km Sl no. 90 : (0.4*12.6) = 5.04 km No. of projects having length more than 4.29 km = 5 nos.	Project serial nos. as on INFRACON No. of projects having length more than 4.29 km = 0 nos.	Project serial nos. as on INFRACON Sl no.14: 18.00 km Sl no. 15 : = 24.50 km Sl no. 16 : = 15.10 km Sl no. 17: 6.30 km  No. of projects having length more than 4.29 km = 4 nos.
2	Experience of the firm in Project Supervision IC (NH/SH/ Equivalent)	The firm should have minimum experience of				
		2.1 Project Supervision/Independent Engineer/Authority's Engineer of Tunnel project of aggregate length equal to 2 times (28.62 km) or more of similar category for which RFP is invited.	Project serial nos. as on INFRACON Sl no. 1 : (0.6*2.1 km) = 1.26 km Sl no. 4 : 7.5 km Sl no. 23: 6.043 km Sl no. 26 : 20.443 km Total agg. length : 29.203 km > 28.62 km Projects not considered: Sl no. 15 : (0.25*6.7 km) = 1.67 km, Not under similar category. Sl No. 19: Work not yet started as per certificate submitted. Sl no. 25 : 3.0 km. 80% completed.	Project serial nos. as on INFRACON Sl no. 1 : 28.3 km Sl no. 2 : (0.33*15.021 km) = 4.957 km Sl no. 8 : 20.821 km Sl no. 11 : (0.6*1.3 km) = 0.78 km Sl no. 35 : 0.89 km Sl no. 39 : 2.437 km Sl no. 43 : (0.7* 3.502 km) = 2.4514 km Sl no. 81 : (0.6*9 km ) = 5.4 km Total agg. length : 65.73 km > 28.62 km Projects not considered: Sl no. 3 : (0.65*13.377) = 8.69 km. Original certificate not translated. Pursuant to the clarification, submitted certificate in English doesnot match with the original in terms of length of the project. Sl no. 5 : 1.810 km. Tunnel length not mentioned in the certificate. Sl no. 24 : (0.60*58.64 km) = 35.184 km. DPR project.	Project serial nos. as on INFRACON Sl No. 3 : 1.120 km Sl no. 6 : (0.6*2.05 km) = 1.23km Sl no. 8 : 0.64 km Sl no. 16 : (0.9*1.437 km) = 1.29 km Sl no. 17 :0.849 km Sl no. 18 : (0.65*1.851 km) = 1.203 km Sl no. 28 : (0.51*3.497 km) =1.783 km Sl no. 51 : (0.4*5.335 km ) = 2.134 km Sl no. 83 : (0.35*0.695 km) =0.250 km Total agg. length : 10.499 km < 28.62 km Projects not considered: Sl no. 7 : = 16.093 km** Certificates not clear. 10 different contracts detail given in the certificate. Sl no. 10 : (0.85*19.645 km)= 16.70 km** Certificates not clear. 8 different contracts detail given in the certificate. Sl no. 11 : (0.5*7.49 km) = 3.745 km**Details do not match. Sl no. 24 :Not under similar category being an immersed tunnel. Sl no. 25 : (0.5*9.753 km ) = 4.876 km** Discrepancy in certificate. Details not matching.	Project serial nos. as on INFRACON Sl No. 1 : (0.5*8.44+0.25*3.7 km) = 5.145 km Sl no. 6 : 0.671 km Sl no. 7 : 17.933km Sl no. 11 : (0.6*42.45)= 25.47 km Sl no. 12 : (0.6*17.60) = 10.56 km Sl no. 13 : (0.93*81.34km) =75.64 km Total agg. length : 135.419 km > 28.62 km Projects not considered: Sl no. 10: Study towards development of alignment option. it intimates alignment studies, DEM, Geological Mapping, and Geophysical studies = 38.554 km Being considered for now(***) supervision project)
		2.2 Project Supervision/Independent Engineer/Authority' Engineer of at least one project of similar category of Tunnel work of 30% of project length (4.29 km).	Project serial nos. as on INFRACON Sl no. 4 : 7.5 km Sl no. 26 : 4.596 km No. of projects having length more than 4.29 km = 2 nos.	Project serial nos. as on INFRACON Sl No. 1 : 28.3 km Sl no. 2 : (0.33*15.021 km) = 4.957 km Sl no. 81 : (0.6*9 km ) = 5.4 km No. of projects having length more than 4.29 km = 3 nos.	Project serial nos. as on INFRACON No. of projects having length more than 4.29 km = 0 nos.	Project serial nos. as on INFRACON Sl No. 1 : (0.5*9.3) =4.65 km Sl no.7: 4.616 km Sl no. 13: 6.83 km No. of projects having length more than 4.29 km = 3 nos.
3	Average Annual Turnover	Annual turnover (updated average of last 3 years) of the firm from consultancy business should be equal to or more than 1% of Estimated Project Cost ( Rs 55 Crores).	Rs 2366.676 Crores> Rs 55 Crores	Rs 241.228 Crores> Rs 55 Crores	Rs 828 Crores> Rs 55 Crores	Rs 289.272 Crores> Rs 55 Crores
4	Year of establishment	Firm should have been established more than five years earlier	Yes, 1986	Yes, 1984	Yes, 1966	Yes, 1984

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**Project Name: Consultancy services for Authority's Engineer for Supervision of Construction, Operation and Maintenance of 2-Lane bi-directional Zojila Tunnel with Parallel Escape (Egress) Tunnel excluding approaches on Srinagar-Leh Section connecting NH-1 at Km 95.00 and at Km 118.00 in the State of Jammu & Kashmir on EPC Basis**

**Minimum eligibility criteria-comparison**

**1. Eligibility of firm: M/s EPTISA Servicios De Ingenieria S.L. in JV with Geocontrol, S.A**

S. No.	Criteria	Eligibility requirement	Name of firm		
			M/s EPTISA Servicios De Ingenieria S.L. Lead Member (50%)	Geocontrol, S.A Other Member (30%)	Weighted score
1	Experience of the firm in Preparation of DPR (NH/SH/Equivalent)	The firm should have minimum experience of 1.1 Preparation of DPR/Feasibility Study cum Preliminary Design Report of 2/4/6 laning projects of aggregate length equal to 21.465 km or more in the last 7 years Lead Member ( 50%) = 10.732 km Other Member (30%) = 6.44 km	Project serial nos. as on INFRACON Sl No. 8 : (0.666*6.548) = 4.36 km Sl no. 9 : 0.772 km Sl no. 18 : 3.594 km Sl no. 27 : 7.31 km Sl no. 40 : Length not mentioned in the Experience certificate, hence not considered. Sl no. 48 : 6.656 km Sl no. 56 : (0.4*2.387 km) =0.955 km Total agg. length :23.647 km > 10.732 km Projects not considreed: Sl no. 51 : (0.6*3.5 km) =2.10 km. Construction project. Sl no. 58 : (0.5*5.354 km) =2.677 km. Construction project.	Project serial nos. as on INFRACON Sl No. 5 : 1.80 km Sl no. 9 : (0.3*4.105 km )= 1.231 km Sl no. 10 : (0.4*1.879 km ) = 0.752 km Sl no. 11 : (0.3 * 2.17 km ) = 0.651 km Sl no. 13 : (0.4* 60 km ) = 24 km Sl no. 15 : (0.3*2.05 km) =0.615 km Sl no. 17 : (0.35* 8.845 km) = 3.095 km Sl no. 18 : (0.5*0.820 km) =0.410 km Sl no. 19 : (0.35*1.290 km) =0.450 km Sl no. 21 : (0.35* 0.513 km) =0.179 km Sl no. 22 : (0.5*3.412 km) =1.706 km Sl no. 24 : (0.4* 15.6 km) =6.24 km Sl no. 25 : (0.75*1.791 km) =1.34 km Sl No 26 : (0.42* 159.70 km ) = 67.07 km Total agg. length : 109.539 km > 6.44 km Projects not considreed: Sl no. 12 : (0.4*6.137 km ) = 2.455 km. Contract amount and name of project not matching in LOA and certificate. Sl no. 23: 8.71 km. Private company sub-contracting.	Total wighted length of JV = 133.186 km > 21.465 km
		1.2 Prepared DPR/Design/Feasibility Study/ for at least one project of similar category of Tunnel** work of 30% of project length (4.29 km).	Project serial nos. as on INFRACON Sl no. 48 : 4.718 km No. of projects having length more than 4.29 km = 1 nos.	-	

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Experience of the firm in Project Supervision IC (NH/SH/Equivalent)	The firm should have minimum experience of 2.1 Project Supervision/Independent Engineer/Authority's Engineer of Tunnel project of aggregate length equal to 2 times (28.62 km) or more of similar category for which RFP is invited. Lead Member ( 50%) = 14.31 km Other Member (30%) = 8.58 km	Project serial nos. as on INFRACON Sl no. 3 : (0.34*15.021 km ) = 5.10 km Sl no. 4 : (0.4*1.05 km ) = 0.420 km Sl No. 6 : (0.5 *4.56 km ) = 2.28 km Sl no. 7 : (0.6* 0.67 km ) = 0.402 km Sl no. 11 : 0.65 km Sl no. 12 : 1.16 km Sl no. 14 : (0.5*4.227 km )=2.113 km Sl no. 17 : (0.5*1.282 km ) = 0.641 km Sl no. 20 : 4.733 km Sl No. 22 : 0.235 km Sl no. 24 : 1.31 km Sl No. 28 : (0.5 *0.520 km ) = 0.260 km Sl no. 29 : 4.107 km Sl no. 33 : (0.7*1.432 km ) = 1.00 km Sl no. 36 : (0.25*1.972 km )=0.493 km. Sl no. 39 : 2.814 km Sl no. 49 : 0.701 km Sl no. 51 : (0.6*3.5 km )=2.10 km. Sl no. 54 : 1.90 km Sl no. 58 : (0.5*5.354 km )=2.677 km. Sl No. 59 : 0.703 km Sl no. 66 : 4.704 km Total agg. length : 40.503 km > 10.732 km Projects not considered: Sl No..1 Length not mentioned in the Experience certificate, hence not considered. Certificate not translated either. Sl no. 2 : 2.431 km. Tunnel length not mentioned in certificate. Sl no. 13 : Length not mentioned in the Experience certificate, hence not considered. sl no. 16: Ciut and cover tunnel. Sl no 23: Cut and cover tunnel/ length not mentioned in certificate. Sl No. 44 : 0.350 km. Not mentioned tunnel. Sl no. 60 : Employer certifietae not submitted, hene not considered. Sl no. 69 : Z-Morh Tunnel, Not considered.	Project serial nos. as on INFRACON Sl No. 1 : (0.3*1.897 km ) = 0.569 km Sl no. 2 : (0.4*8.9 km )= 3.56 km Sl no.3 : (0.4*7.6 km ) = 3.04 km Sl no. 4 : (0.35 * 14.6 km ) = 5.11 km Sl no. 6 : (0.5*0.6026 km ) = 0.301 km Sl no. 7 : 40.7 km Sl no. 8 : (0.265*12.76 km )=3.38 km Sl no. 14 : (0.6*1.174 km ) = 0.704 km Sl no. 16 : (0.5*4.772 km )=2.386 km Sl no. 20 : (0.6*2.550 km )=1.53 km Total agg. length : 61.28 km >8.58 km	Total wighted length of JV = 101.783 km > 28.62 km
2	2.2 Project Supervision (Construction Supervision/Independent Consultancy) of at least 1 project of similar category of tunnel work of 30% of project length (4.29 km)	Project serial nos. as on INFRACON Sl No.3 : (0.34*15.021 km ) = 5.10 km Sl no. 20 : 4.733 km No. of projects having length more than 4.29 km = 2 nos.		
3	Average Annual Turnover Annual turnover (updated average of last 5 years or in each of the preceding 2 years) of the firm from consultancy business should be equal to or more than Rs. 55 crores. Lead Member : (50%) = Rs 27.50 crore Other member (30%) = Rs 16.50 crore	Rs 790.84 crores > Rs 27.50 crores	Rs 26 crores > Rs 16.50 crores	Combined Total : Rs 816.84 Crore > Rs 55 crore
4	Year of establishment Firm should habe been established more than five years ealier	Yes,1956	Yes,1982	

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