

NATIONAL HIGHWAYS AUTHORITY OF INDIA

RO-RANCHI

Consultancy Services for preparation of detailed project report for Construction of Elevated Corridor in Ranchi city from km 0.00 to km 3.260 of NH-75 including down ramp on NH-23 from km 0.100 to km 0.600 in the State of Jharkhand on EPC mode (Balance work)

description	max marks	C E testing	Hydrotech	smec	cm engg	construm a jv arkitech n o associatio n sparsh	mangala m jv oms infra	real strength associatio n dayanand aman	In malviya association infratech	rodic	tpf engg	casta jv hexa co	jhunjhunu
relevent experience in last 7 years	40	37.5	40	40	37	39	39	37	40	40	39.5	40	38
material testing survey etc	20	18.75	18	15.25	12.5	15	17	20	20	17.75	19.25	19.25	18
qualification and revent experience of personnel	40	35.7	37.16	38.16	34.26	36.3	38.05	37.85	36.12	38.44	39.14	38.5	37.75
SUM	100	91.95	95.16	93.41	83.76	90.3	94.05	94.85	96.12	96.19	97.89	97.75	93.75







Relevant experience in last 7 years detailed

description	total marks	C E testing	holtech	snec	cm engg	construm a jv arkitech o associatio n sparsah	mangala m jv orms infra	real strength associatio n dayanand aman	In malviya associatio n Infratech	rodic consulata nt jv monarch surveyors	tpf engg	costa jv hexa co	Punjhnu associatio n kpc
Aggregate Length of DPR / Feasibility study of 2/4/ 6 lane projects More than the Indicative Length of the package applied for 6 More than 2 times the Indicative length of the package applied for 7 More than 3 times the Indicative length of the package applied for 8 DPR for 2/4/6 laning projects each equal to or more than 40 % of Indicative length of a package applied for (or Feasibility Study for 2/4/6 laning projects each equal to or more than 60 % of Indicative length of a package applied for) length of a package applied for (or Feasibility Study for 2/4/6 laning projects each equal to or more than 60 % of Indicative length of a package applied for) 1 project 5 2 projects 6 ≥ 3 projects 7	8 7	8 7	8 7	8 7	8 7	8 7	8 7	8 7	8 7	8 7	8 7	8 7	
DPR of Bridge having length more than 200 m 1 bridge 1 2 bridges 2 3 bridges 3 4 bridges 4 ≥ 5 bridges 5 Specific experience of firms in terms of turnover Average Turnover of last 5 years >50 crore 5 Firm Average Turnover of last 5 years 20-50 crore 4.5 Firm Average Turnover of last 5 years >5 crore but <20 crore 4 DPR for special category projects (Special bridges/ tunnels or expressways, whichever applicable). It is to be noted that either 4.1 or 4.2 shall be applicable, and not both. 4.1.DPR of number of special bridges/ tunnels (applicable) 1 project 1 2 projects 2 3 projects 3 4 projects 4 ≥ 5 projects 5 4.2Aggregate length of DPR/ Feasibility study for expressways(N/A) Highway Professionals * working with the firm nos. 0 10-20 nos. 8 20-30 nos. 9 >30 nos. 10	5 5 5 0 10	5 5 5 5 0 8	5 5 5 5 0 10	5 5 5 5 0 10	5 5 5 5 0 10	5 5 5 5 0 10	5 5 5 5 0 10	5 5 5 5 0 10	5 5 5 5 0 10	5 5 5 5 0 10	5 5 5 5 0 10	5 5 5 5 0 10	
Sum	40	37.5	40	40	37	39	39	37	40	40	39.5	40	38





Material testing, survey and investigation, equipment and software proposed to be used (20)

description	max marks	C E testing	holtech	smec	com engg	construm a jv architectn o associatio n sparsh	mangalam jv oms infra	real strength associatio n dayanand aman	In malviya associatio n infretech	rodic consulata nt jv monarch surveyors	tpf engg	casta jv hexa co	jhunjhunu associatio n kqc
Availability of Material Testing Facilities with persons/resources having operational skills of the equipment (Available in House) 3 Outsourced (Hire basis/Through Associate) 2.25	3	3	2.25	3	3	3	3	3	3	3	2.25	2.25	2.25
Availability of Field Investigation Facilities with persons/resources having operational skills of the equipment Owned** (Available in House) 2 Outsourced (Hire basis/Through Associate) 1.5	2	1.5	1.5	2	1.5	2	2	2	2	1.5	2	2	1.5
Availability of Office Equipment and Software with persons/resources having operational skills of the equipment Owned*** (Available in House) 3 Outsourced (Hire basis/Through Associate) 2.25	3	2.25	2.25	2.25	3	3	3	3	3	2.25	3	3	2.25
Experience in LIDAR or better technology for topographic survey (Infrastructure sector) 1 project 1 2 projects 2 3 projects 3 4 projects 4 ≥ 5 projects 5	5	5	5	5	1	2	3	5	5	4	5	5	5
Experience in using GPR and Induction Locator or better technologies for detection of sub-surface utilities (Infrastructure sector) 1 project 1 2 projects 2 3 projects 3 ≥ 4 projects 4	4	4	4	0	1	2	3	4	4	4	4	4	4
Experience in digitization of cadastral maps for land surveys Area upto 100 ha 1 Area between 100-500 ha 2 Area > 500 ha 3	3	3	3	3	3	3	3	3	3	3	3	3	3
sum	20	18.75	18	15.25	12.5	15	17	20	20	17.75	19.25	19.25	18

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Qualification and relevant experience of the proposed key personnel													
description	max marks	C E testing	holtech	smec	cm engg	construm a jv arkitechn o associatio n sparsh	mangala m jv oms infra	real strength associatio n dayanand aman	in mahiya associatio n infratech	rodic consulata nt jv monarch surveyors	tpf engg	casta jv hexa co	jhunjhunu associatio n kqc
Team Leader cum Senior Bridge Engineer	12	9.6	10.56	11.34	11.4	9.6	11.4	11.16	11.16	11.28	11.22	11.4	10.8
Highway cum Pavement Engineer	10	9.2	9.5	9.5	9.5	9.5	9.5	9	9	9.8	10	9.5	9.85
Bridge Structural Engineer	10	8.9	9.5	9.8	6	10	9.95	9.85	9	9.8	10	10	9.5
Material cum Geotechnical Engineer - Geologist	8	8	7.6	7.52	7.36	7.2	7.2	7.84	6.96	7.56	7.92	7.6	7.6
sum	40	35.7	37.16	38.16	34.26	36.3	38.05	37.85	36.12	38.44	39.14	38.5	37.75

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Team Leader cum Senior Bridge Engineer [22]													
General Qualification	max marks	C E testing	holtech	smec	cm engg	construm a jv arttechn o associatio n spars	mangalam jv oms infra	real strength associatio n dayanand aman	in malviye associatio n infretech	rodic consulata nt jv monarch surveyors	tpf engg	casta jv hexa co	jhunjhunu associatio n kpc
Degree In Civil Engineering or equivalent [AICTE Approved]	20	20	20	20	20	20	20	20	20	20	20	20	20
Post Graduation in Structural Engineering, Degree/Diploma/Certificate in Construction Management	5	5	0	0	5	5	0	0	0	0	0	5	0
Relevant experience and adequacy for the project													
Total professional experience													
<15 years 0	15	15	13	15	13	15	15	15	15	15	15	15	15
15-18 years 11													
>18-21 years 13													
> 21 years 15													
Experience in Highway/Bridge/Tunnel Projects													
< 5 years 0	25	25	25	25	25	25	25	25	25	25	25	25	25
6-8 years 19													
>8-10 years 22													
>10 years 25													
Experience in Similar Capacity													
As Team Leader/Project Manager or similar capacity of at least Two projects in Construction Supervision / IC involving 4 laning/6-laning/Expressway of minimum 50km length and atleast two major bridge of a length 500 mtr. (Excluding approaches).	20	0	20	20	17	0	20	20	20	20	20	20	20
< 80km 0													
80 km-150km 15													
>150km-250km 17													
> 250km 20													
In Feasibility of 2/4/laning works or DPR/IC/Construction Supervision of major highway projects i.e. 2/4/6 laning of NH/SH/Expressways in Similar Capacity- Number of Projects	10	10	10	10	10	10	10	10	10	10	10	10	10
< 2 projects 0													
2 projects 8													
3- 5 projects 9													
> 5 projects 10													
Employment with the Firm													
Less than 1 Year	0	0	0	0	0	0	0	0	0	0	0	0	0
1 year	3	3	0	3	3	3	3	3	3	3	3	3	3
Add 0.5 marks for each subsequent year subject to maximum of 2 marks	2	2	0	1.5	2	2	2	0	0	1	0.5	0	0
SUM	100	80	88	94.5	95	80	95	93	93	94	93.5	95	90
total marks	12	9.6	10.56	11.94	11.4	9.6	11.4	11.16	11.16	11.28	11.22	11.4	10.8




Highway cum Pavement Engineer (10)

description	max marks	C E testing	holtech	smec	cm engg	construm a jv arkitech n associatio n sparsh	mangala m jv oms infra	real strength associatio n dayanand aman	In malviya associatio n infratech	rodic consula nt jv monarch surveyors	tpf engg	casta jv hexa co	j/hun/hunu associatio n kqc
General Qualification													
Degree In Civil Engineering or equivalent [AICTE Approved]	20	20	20	20	20	20	20	20	20	20	20	20	20
Post graduation In Highway Engg/ Transportation Engineering[AICTE Approved]	5	0	0	0	5	0	0	0	0	5	5	0	5
Relevant Experience & Adequacy for the Project													
Total Professional Experience													
<8years 0	15	15	15	15	15	15	15	15	15	15	15	15	15
8-12 years 11													
>12-15 years 13													
>15 years 15													
Experience In Highway Projects - Experience In Design/ Pavement Design of Highway Projects (2/4/6 laning of NH/SH/Expressways)													
<6 years 0	25	22	25	25	25	25	25	25	25	25	25	25	25
6-10years 19													
>10-15 years 22													
>15years 25													
Experience In Similar Capacity													
In Design/ Pavement Design of Highway Projects (2/4/6laning ofNH/SH/Expressways) In Similar Capacity (Minimum aggregate length 80km)													
<80km 0	20	20	20	20	20	20	20	20	20	20	20	20	20
80km-150km 15													
>150km-250km 17													
>250km 20													
InDesign/Pavement Design off-HighwayProjects(2/4/6laningofNH/SH/ Expressways) In Similar Capacity - Number of Projects													
2 projects 8	10	10	10	10	10	10	10	10	10	10	10	10	10
3- 5 projects 9													
> 5 projects 10													

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Employment with Firm															
Less than 1 Year															
1 Year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Add 0.5 marks for each subsequent year subject to maximum of 2 marks	3	3	3	3	0	3	3	3	0	0	3	3	3	3	3
	2	2	2	2	0	2	2	2	0	0	0	2	2	2	0.5
SUM	100	92	95	95	95	95	95	95	90	90	98	100	95	98.5	
total marks	10	9.2	9.5	9.5	9.5	9.5	9.5	9.5	9	9	9.8	10	9.5	9.85	

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Bridge Structural Engineer (10)													
description	max marks	C E testing	holtech	smec	cm engg	construm a jv uridtechn o associatio n sparsn	mangala m jv oms infra	real strength associatio n dayanand amann	in malviya associatio n infratech	rodic consula nt jv monarch surveyors	tpf engg	casta jv hexa co	jhunjhunu associatio n kgc
General Qualification													
Degree in Civil Engineering or equivalent(AICTE Approved)	20	20	20	20	20	20	20	20	20	20	20	20	20
Post Graduation in Structural Engineering/ Bridge Engineering(AICTE Approved)	5	0	0	5	0	5	5	5	0	5	5	5	0
Relevant Experience & Adequacy for the Project													
Total Professional Experience <8 years 0													
8-10 years 11	15	15	15	15	15	15	15	15	15	15	15	15	15
>10-15=12 years 13													
>12 years 15													
Experience In Bridge Projects													
Experience In project preparation and design of bridge projects													
<5 years 0	25	25	25	25	25	25	25	25	25	25	25	25	25
5-8 years 19													
>8-10 years 22													
>10 years 25													
Experience as Senior Bridge Engineer or Similar Capacity In Highway Design Consultancy Projects (2/4/6 laning of NH/SH/Expressways) Involving design of Major Bridges (minimum 2 nos. of length more than 200m) <2 numbers 0	30	24	30	30	0	30	30	30	30	30	30	30	30
2-4 numbers 24													
5-6 numbers 27													
> 6 numbers 30													
Employment with Firm													
Less than 1 Year	0	0	0	0	0	0	0	0	0	0	0	0	0
1 year	3	3	3	3	0	3	3	3	0	3	3	3	3
Add 0.5 marks for each subsequent year subject to maximum of 2 marks	2	2	2	0	0	2	1.5	0.5	0	0	2	2	2
SUM	100	89	95	98	60	100	99.5	98.5	90	98	100	100	95
total marks	10	8.9	9.5	9.8	6	10	9.95	9.85	9	9.8	10	10	9.5

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MATERIAL ENGINEER cum GEOTECHNICAL ENGINEER cum GEOLOGIST (S)

DESCRIPTION	max marks	C E testing	hottech	smac	cm engg	construm a jv arktechn o associatio n sparsh	mangala m jv oms infra	real strength associatio n dayanand aman	in mahiya associatio n infatech	rodic consulti nt jv monerch surveyors	tpf engg	casta jv hexa co	jhunjhunu associatio n kqc
General Qualification													
Degree in Civil Engineering /M. Sc. in Geology(AICTE Approved]	20	20	20	20	20	20	20	20	20	20	20	20	20
Post graduation In Foundation Engineering / Soil Mechanics / Geo Tech Engineering or Phd In Geology/AICTE Approved]	5	5	0	5	5	0	0	5	0	0	5	0	5
Relevant Experience & Adequacy for the Project													
Total Professional Experience													
<10 years 0	15	15	15	13	15	15	15	15	15	15	15	15	15
10-12 years 11													
>12-15 years 13													
>15 years 15													
Experience In Highway Projects-													
In Similar Projects(2/4/6laning(NH/SH/Expressways) In design and or Construction/ Construction Supervision	25	25	25	22	22	25	25	25	25	25	25	25	25
<7 years 0													
7-10 years 19													
>10 -12 years 22													
>12years 25													
Experience as Material cum Geo-technical Engineer or In Similar capacity on Highway Projects (2/4/6 laning of NH/SH/Expressways) (Minimum aggregate length 80 km)													
<80km 0	30	30	30	30	30	30	30	30	27	30	30	30	30
80km-150km 24													
>150km - 250km 27													
>250km 30													
Experience in Highway Projects with Firm													
Less than 1 year	0	0	0	0	0	0	0	0	0	0	0	0	0
1-3 years	3	3	3	3	3	0	0	3	0	3	3	3	0
3-5 years	2	2	2	1	0	0	0	0	0	1.5	1	2	0
5-7 years													
7-10 years													
10-12 years	100	100	95	94	92	90	90	98	87	94.5	99	95	95
>12 years	8	8	7.6	7.52	7.36	7.2	7.2	7.94	6.96	7.56	7.92	7.6	7.6

Signature Not Verified

Date: 20/11/2019
Location: of Procurement System for Central PSUs

