

TECHNICAL EVALUATION REPORT

Sub: Consultancy services for Independent Engineer for supervision of Six laning of Vijayawada bypass from Chinna Autupalli (Design Ch. 0+000) to Gollapudi (Design Ch. 30+000) in Vijayawada- Gundugolanu section of NH 16 in the state of Andhra Pradesh under Bharatmala Pariyojana on Hybrid Annuity Mode (Package-III)-reg.

Tender ID: 2020_NHAI_46539_1

The Technical Proposals of all the firms who submitted their bids by bid due date i.e. 03.06.2020 for the subject Consultancy work have been evaluated and detailed evaluation sheets are enclosed.

2. Results of technical evaluation is being made available on the website giving an opportunity to all the bidders to respond within 07 days i.e. on or before 22.12.2020 (upto 1730 Hrs.), in case they have any objection.

MINIMUM ELIGIBILITY CRITERIA

Consultancy services for Independent Engineer for supervision of Six Lining of Vijayawada by pass from China Autapalli (Design Ch. 0+000) to Gollapudi (Design Ch. 30+000) in Vijayawada- Gundugolu section

of NH 16 in the state of Andhra Pradesh under Bharatmala Pariyojana on Hybrid Annuity Mode (Package-III)

S.No.	Firm	Experience of the firm in last 7 years			Annual Turnover	Eligible/ Not Eligible
		Preparation of DPR (NH&SE equivalent)	Project Supervision/IC (NH&SE equivalent)	The firm should have minimum experience of preparation of detailed Project Report/feasibility Study cum Preliminary Design Report of 2/4/6+ lining project of length equal to 2 times or more of similar category for which RFP is invited		
1	M/s Aravee Associates Architects Engineers and Consultants Pvt Ltd	✓	✓	✓	✓	Eligible
2	M/s Almondz Global Infra - Consultant Limited in Joint Venture with G Eng Advisory Services Pvt Ltd and in Association with Span Travers Morgan International Pvt Ltd.	✓	✓	✓	✓	Eligible
3	M/s Centro de Estudios de Materiales y Control de Odra, SA in association with ARVENGE Engineering and Management Consultants Pvt Ltd	✓	✓	✓	✓	Not-Eligible
4	M/s Chaitanya Projects Consultancy Pvt Ltd in association with Saadhya Infra Solutions LLP.	✓	✓	✓	✓	Eligible
5	M/s Feedback Infra Private Limited in Joint Venture with SATRA Infrastructure Management Services Pvt Ltd	✓	✓	✓	✓	Eligible
6	M/s K & J Projects Pvt Ltd	✓	✓	✓	✓	Eligible
7	M/s LEA Associates South Asia Pvt. Ltd. India in association with L&T Infrastructure Engineering Ltd.	✓	✓	✓	✓	Eligible
8	M/s Lion Engineering Consultants Private Limited in JV with Arktichno Consultants (India) Pvt. Ltd in association with Sugam Technocrats Pvt. Ltd	✓	✓	✓	✓	Eligible
9	M/s SA Infrastructure Consultants Pvt. Ltd. in association Specialized Engineering Services Pvt Ltd	✓	✓	✓	✓	Eligible
10	M/s Theme Engineering Services Pvt. Ltd in JV with Casta Engineers Pvt. Ltd.	✓	✓	✓	✓	Eligible
11	M/s TPF Engineering Pvt Ltd in JV with TPF ENGINEERING PVT. LTD.	✓	✓	✓	✓	Eligible
12	M/s Voyants Solutions Private Limited in JV with Sowil Limited	✓	✓	✓	✓	Not-Eligible

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FINAL RESULT (SUMMARY OF TECHNICAL EVALUATION)

Consultancy services for Independent Engineer for supervision of Six Laning of Vijayawada bypass from Chinna Autupalli (Design Ch. 0+000) to Gollapudi (Design Ch. 30+000) in Vijayawada- Gundugolanu section of NH 16 in the state of Andhra Pradesh under Bharatmala Pariyojana on Hybrid Annuity Mode (Package-III)

S. No.	Details	Max. Marks	1	3	4	5	6	7	8	9	10	11
			M/s Aarvee Associates Architects Engineers and Consultants Pvt Ltd	M/s Centro de Estudios de Materiales y Control de Obra, SA in association with ARMENGEE Engineering and Management Consultants Pvt Ltd.	M/s Chaitanya Projects Consultancy Pvt. Ltd. in association with Saadhya Infra Solutions LLP.	M/s Feedback Infra Private Limited in Joint Venture with SATRA Infrastructure Management Services Pvt. Ltd.	M/s K & J Projects Pvt Ltd	M/s LEA Associates South Asia Pvt. Ltd., India in association with L&T Infrastructure Engineering Ltd.	M/s Lion Engineering Consultants Private Limited in JV with Arctechno Consultants (India) Pvt. Ltd. in association with Sugam Technocrats Pvt. Ltd.	M/s SA Infrastructure Consultants Pvt. Ltd. in association with Specialized Engineering Services Pvt Ltd	M/s Theme Engineering Services Pvt. Ltd in JV with Casta Engineers Pvt. Ltd.	M/s TPF Engineering Pvt Ltd in JV with TPF ENGINEERING PVT. LTD.
1	Firm Experience	40	40.00	32.50	35.50	40.00	38.75	40.00	40.00	40.00	38.50	38.00
2	Experience in use of technology	20	20.00	18.00	16.00	17.50	11.50	15.00	16.00	19.00	15.00	18.50
3	Team Leader cum Senior Highway Engineer	12	9.48	10.88	10.56	11.16	10.80	11.40	10.68	11.04	10.80	11.16
4	Resident Cum Highway Engineer	6	6.00	5.46	5.55	5.46	5.64	5.76	5.46	5.70	5.46	5.31
5	Bridge/Structural Engineer	6	5.46	5.46	5.70	5.46	5.40	4.95	5.46	5.40	5.70	5.52
6	Senior Pavement Specialist	6	5.54	5.70	5.70	5.40	5.40	5.64	5.46	5.40	5.46	5.40
7	Senior Quality cum Material Expert	6	5.70	5.40	5.70	5.46	5.40	5.64	5.64	5.40	5.76	5.40
8	Road Safety Expert	4	3.74	3.98	1.64	3.88	3.24	3.72	3.72	3.40	3.72	3.18
Total		100	95.92	87.18	86.35	94.32	87.13	92.11	92.42	95.40	90.40	92.47

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Assessment of Experience of the Firm
Consultancy services for Independent Engineer for supervision of Shilohani of Vijayawada bypass from Chinna Adipalli (Design Ch. 0+000) to Gopalpur (Design Ch. 30+000) in Vijayawada - Gundugulam section of NH 16 in the state of Andhra Pradesh) under Bharatmala Pariyojana on Hybrid Agency Mode (Package-II)

S.No.	Description	Maximum Marks	Marks									
			Marks	Marks	Marks	Marks	Marks	Marks	Marks	Marks	Marks	Marks
1	Average Annual Turnover (last 5 years or in each of the preceding two years) from civil/transport, business < 2% of TPC - 0 marks 2% of TPC - 1.5 marks Add for additional turnover 0.25 (per point five) marks for every 1% of TPC above 2% of TPC, subject to maximum 5 marks	2	2	2	1.5	2	1.75	2	2	2	2	2
2	Net of Highway Professionals with the firm * < 10 - 0 Marks 10-20 - 8 Marks >20 but <30 - 9 Marks >30 - 10 Marks *The professionals who possess degree in Civil Engineering/Transport Planning/Transport Economics/Traffic Management/Geology/Environment Science or Engineering and 8 years experience in highway/bridge tunnel employment in the firm for more than one year. The current Employment Certificate shall be unabridged by Key Personnel on INPRACON	10	10	10	10	10	10	10	10	10	10	10
3	Experience of Independent Engineer/Consultant Supervision in Number of Highway Projects of 2.46-km long * of length <4% of project length or more in last 7 years 1 project - 3 marks Add three marks extra for completed assignment of Independent Engineer and add in 5 (five) point five marks extra for completed assignment of supervision consultant, subject to maximum 3 (three) marks	12	12	12	10	12	12	12	12	12	12	12
4	Experience in 100% quality Check with Preliminary Design Report preparation for Number of Highway Projects of 2.46-km long * of length <4% of project length or more in last 7 years 1 project - 2 marks Add 0.5 (one point five) marks extra for each additional project subject to maximum 2 marks	6	6	6	6	6	6	6	6	6	6	6
5	In last 10 yrs of Highway/Bridge/Tunnel Projects * presently under process) 2 - 0 Marks 2.5 - 1 Marks > 2.5 - 6 Marks	6	6	11	4	6	6	6	6	6	6	4
6	Experience in Construction Supervision/100% Design Review of Major structures having length of more than 500 metre in last 7 years 1 project - 2.0 marks Add 0.5 (one point five) marks extra for each additional project subject to maximum 2.0 marks	4	4	2.5	4	4	4	4	4	4	4	2.5
Total			40	40	32.5	35.5	40	39.75	40	40	40	38.5

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Experience in use of Technology

Consulting services for Independent Engineer for supervision of Sta. Laming of Vijayawada bypass from Chinna Andipalli (Design Ch. 0+000) to Gollapudi (Design Ch. 30+000) in Vijayawada-Guntur section of NH 16 in the state of Andhra Pradesh under Bharatmala Pariyojana on Hybrid Annuity Mode (package-III)

S.No.	Description	Minimum Marks	Marks									
			Marks	Marks	Marks	Marks	Marks	Marks	Marks	Marks	Marks	Marks
1	Experience in Network Survey Vehicle (NSV) or better technology for pavement inspection Equipment on MOU with Associate or on bring basis - 1 1/2 projects - 1 3/5 projects - 2 > 5 projects - 3	5	5	5	3	5	0	3	5	4	5	5
2	Experience in Falling Weight Deflectometer (FWD) or better technology for pavement strength measurement Equipment on MOU with Associate or on bring basis - 1 1/3 projects - 1 > 3 projects - 2	4	4	4	4	4	3	4	4	4	3	4
3	Experience in Mobile Bridge Inspection Unit (MBU) or better technology for bridges inspection Equipment on MOU with Associate or on bring basis - 1 1/3 projects - 1 > 3 projects - 2	4	4	3	4	3	3	3	1	4	2	3
4	Experience in Road Deflectometer technology Equipment on MOU with Associate or on bring basis - 1 1/3 projects - 1 > 3 projects - 2	4	4	4	2	3	3	3	3	4	3	4
	Experience in Automatic Traffic Counter cum Classifier (ATCC) Equipment on MOU with Associate or on bring basis - 1 1/3 projects - 2 3/5 projects - 0.5 > 5 projects - 1	3	3	2	3	25	25	2	3	3	2	2.5
Total		20	20	18	16	17.5	11.5	15	16	19	15	18.5

100
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TEAM LEADER CUM SENIOR HIGHWAY ENGINEER

Sr. No.	Description	Max. Points	AARVEE D.V. Rami Reddy	CEMOSA Sanjay Ohri	Chaitanya Rambabu Kunnappa Reddy	Feedback Bhogaadi Ramanarao	K&J C T Abraham	LEA S Jagadeesh	LION Porandla Raghunandan	SA INFRA Tatikonda Hanbabu	THEME K N S P Kama Raju	TPF J M Patnaik
1	General Qualification											
	i) Graduate in Civil Engineering	25	01-06-1966	27-03-1966	25-07-1966	25-05-1974	21-05-1966	01-06-1964	12-08-1968	10-07-1966	29-10-1965	26-06-1964
	ii) Post Graduation in Management/Construction/Transportation/Highway Engineering/Structural Engineering or equivalent specialised stream of Civil Engng	3	3	3	0	3	0	0	0	3	0	3
	iii) Degree/Diploma/Certificate in Project Management	1	1	0	0	0	0	0	0	0	0	0
2	Adequacy for the Project	70										
a)	Professional Experience in Highway Projects:											
	Total Professional Experience in handling Highway projects											
	< 12 years -0											
i)	12 years - 8	10	10	10	10	10	10	10	10	10	10	10
	Add 1 marks extra for each additional year of experience subject to maximum 2 (two) marks.											
	Experience as Team Leader or similar capacity in Highway Development Projects(similar configuration (2/4/6 laning**) and above)											
ii)	< 5 years -0	15	15	15	15	15	14	15	15	15	15	15
	5 years -11											
	Add 1 marks extra for each additional year of experience subject to maximum 4 (four) marks.											
	Experience as Team Leader or similar capacity in Highway Development projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above) on PPP											
iii)	1 projects -4 marks add 1 mark extra for additional projects subject to maximum 1(one) marks	5	4	0	5	5	5	5	5	5	5	5
	Experience as Team Leader or similar capacity of project Preparation including design of major highway Project (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above).											
b)	< 2 projects -0	15	0	15	13	15	15	15	13	13	11	15
	2 Projects -11											
	Add 2 mark for each additional project subject to maximum 4 marks.											
	Experience in position of Team Leader/Project Manager or similar capacity in Construction Supervision/C involving length 40% of project length or more of similar configuration (2/4/6** laning) and above											
c)	< 2 projects - 0	20	20	20	20	20	20	20	20	20	20	20
	2 Projects - 16											
	Add 2 marks extra for each additional project subject to maximum 4 (four) marks											
	Experience as Team Leader or similar capacity in Operation and Maintenance of Major Highway (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above).											
d)	1 project - 4 marks	5	0	5	4	4	5	4	5	5	4	4
	Add 1 mark extra for each additional project subject to maximum 1 (one) marks											
	Employment with the Firm											
	< 1 year -0											
3	1 year -3	5	5	0	0	0	0	5	0	0	4	0
	Add 0.5 marks for each subsequent year subject to maximum 2 marks											
	Total :	100	79	89	88	93	90	95	89	92	90	93

100% 90%

Resident cum Highway Engineer

Sr. No.	Description	Max. Points	AARVEE	CEMOSA	Chattanya	Feedback	K&J	LEA	LION	SA INFRA	THEME	TPF
1	General Qualification	25	K.V.Narayana Reddy 09-05-1965	P. Dvendranath Samuel 30-11-1955	N.P.B.Chakravarthy 11-12-1975	Tajendra Singh 11-01-1968	M.Vishwanatham 21-06-1984	Niranjan Kumar Roy 25-02-1966	K.V.Jagan Mohana Rao 30-08-1975	V.Venkata Ramana 07-06-1967	Kranthi Sagar Lanka 25-08-1981	Harikrishna 10-08-1975
	i) Graduate in Civil Engineering	21	21	21	21	21	21	21	21	21	21	21
	ii) Post Graduation in Transportation/Highway Engineering/Structural Engineering/Geotechnical Engineering	4	4	0	4	0	4	0	0	4	4	0
2	Adequacy for the Project	70										
	Professional Experience											
	Total Professional Experience in handling Highway projects											
	< 10 years -0											
	10 years -16	20	20	20	20	20	19	20	20	20	20	20
	Add one marks extra for each additional completed year of experience subject to maximum 4 (four) marks.											
	Experience as Resident Engineer/Project Director/Project											
	< 5 years -0											
	5 years -16	20	20	20	20	20	20	20	20	20	20	20
	Add 1 marks extra for each additional year of experience subject to maximum 4 (four) marks.											
	Experience in similar capacity in handling major 2/4/6-similar configuration (2/4/6 laning*) and above)											
	< 2 nos -0	25	25	25	25	25	25	25	25	25	21	25
	2 nos -19											
	Add three marks extra for each additional project subject to Experience in similar capacity of Highway Project of 2.5 marks for each project subject to maximum 5 (five) marks											
	Employment with the Firm											
	< 1 year -0											
	1 year -3	5	5	0	0	0	0	5	0	0	0	0
	Add 0.5 marks for each subsequent year subject to											
	Total :	100	100	91	92.5	91	94	96	91	95	91	88.5

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Bridge Structural Engineer

Sr. No.	Description	Max. Points	AAVEE	CEMOSA	Chitanga	Feedback	K&U	LEA	LIOR	SA INFRA	THEME	TPF
1	General Qualification	25										
	i) Graduate in Civil Engineering	21	20-04-1968	01-04-1964	01-01-1972	22-01-1983	12-04-1979	28-10-1970	01-04-1970	28-01-1973	22-06-1972	15-06-1974
	ii) Post Graduation in Structural Engineering	4	0	0	4	0	0	0	0	0	4	4
2	Adequacy for the Project	70										
	Total Professional Experience in handling Highway/Bridge projects											
	< 10 years -0	15	15	15	15	15	14	15	15	15	15	15
	10 years -11											
	Add one mark extra for each additional 2 year subject to maximum 4(four) marks.											
ii)	Experience in similar capacity in Design/Construction/Construction Supervision of Bridges/ROB/Flyover/Interchanges/any other such structures (similar configuration (2/4/6 lanning) and above)	20	20	20	20	20	20	20	20	20	20	20
	< 5 years -0											
	5 years -16											
	Add 1 (one) mark extra for each additional completed year of experience subject to maximum 4 (four) marks.											
iii)	Experience in similar capacity in supervision of Major Highway Bridges/ROB/Flyover/ Interchanges/ any other structures	20	20	20	20	20	20	18	20	20	20	20
	< 2 Bridges -0											
	02 Bridge -16											
	Add 2 mark extra for each additional bridge subject to maximum 4 marks											
iv)	Experience in similar capacity in supervision of Rehabilitation and repair of Major Bridges/ROB/Flyover/ Interchanges/ any other structures	10	10	10	10	10	10	0	10	10	10	7
	< 2 -0											
	2 nos -07											
	3 or more -10											
v)	Experience in similar capacity of modern bridge construction technology viz. Precast Segmental, Balanced Cantilever Construction, Extradosed Bridge, Full Span Launching, Incremental Launching.	5	0	5	5	5	5	4	5	5	5	5
	Experience in 1 project -4											
	More than one project -5 marks											
	Employment with the Firm											
	< 1 year -0											
	1 year -3	5	5	0	0	0	0	4.5	0	0	0	0
	Add 0.5 marks for each subsequent year subject to maximum 2 marks											
Total :		100	91	91	95	91	90	82.5	91	91	95	92

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Senior Pavement Specialist

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Senior Quality cum Material Expert												
Sr. No.	Description	Max. Points	AARVEE	CEMOSEA	Chattanya	Feedback	K&J	LEA	LION	SA INFRA	THEME	TPF
			B SRINIVASA RAO 05-05-1972 21	LMRG Srinivas Kumar 01-04-1970 21	K Siva Rama Krishna 31-05-1975 21	V Sivakumar 10-05-1966 21	Deendayal Aithwar 28-08-1964 21	Suprakash Choudhury 05-01-1972 21	Vidana Kanaka Lingaswara Rao 02-08-1963 21	Kodur Ramudu 01-07-1967 21	M. Ananda Reddy 17-12-1969 21	Suresh Prasad Singh 02-02-1982 21
1	General Qualification i) Graduate in Civil Engineering ii) Post Graduation in Geotechnical Engineering/ Foundation Engineering/Soil Mechanics/ Rock Mechanics	25 21										
2	Adequacy for the Project Professional Experience Total Professional Experience in handling Highway/Bridge projects i) < 10 years - 0 10 years - 11 Add one mark extra for each additional year of experience subject to maximum 4 (four) marks.	70 15	4 15	4 15	4 15	0 15	0 15	4 14	4 15	0 15	0 15	0 15
ii)	Experience in similar capacity in Construction/Construction Supervision of major Highway. < 5 years - 0 5 years - 19 Add 2.0 (two) marks extra for each additional year of experience subject to maximum 6 (Six) marks.	25	25	25	25	25	25	25	25	25	25	25
	Experience in similar capacity in handling Similar Highway projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above)	< 2 nos - 0	25	25	25	25	25	25	25	25	25	25
		2 nos - 19										
iv)	Add 3.0 marks extra for each additional project subject to maximum 6 (six) marks.											
	Experience in similar capacity on major Highway projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above) in innovative/non traditional technology	5	0	0	5	5	4	5	4	4	5	4
	1 Project - 4											
	2 or more - 5											
	Employment with the Firm											
3	< 1 year - 0 1 year - 3 Add 0.5 marks for each subsequent year subject to maximum 2 marks	5	5	0	0	0	0	0	0	0	5	0
Total :		100	95	90	95	91	90	94	94	90	96	90

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Road Safety Expert

Sr.			AMREE	CEMOSA	Chattara	Feedback	K&I	LEA	LION	SA INPRA	THEME	TPF
No.	Description	Max. Point	P. Sreenivasulu	K. Venkata Ramana Murty	Madhi Venkata Sreedhar	Prasanth Kalathi	Rajesh Chand Metiz	D. Udaya Bhasker	Mohammed Fatom	Naga Mallikarjuna Rao Golla	Aadi Sharma	Mahesh Agrawal
i)	General Qualification	25	10-06-1975	13-08-1974	26-09-1972	21-05-1976	15-02-1958	31-01-1984	02-01-1993	23-08-1982	02-04-1980	01-05-1974
		21	21	21	21	21	21	21	21	21	21	21
ii)	Graduate in Civil Engineering	4	0	4	4	4	0	0	0	4	0	0
iii)	Post Graduation in Traffic/Transportation/Safety Engineering or equivalent	4	0	4	4	4	0	0	0	4	0	0
Adequacy for the Project		70										
Professional Experience												
Total Professional Experience in Handling Highway/Bridge projects												
< 10 years - 0												
ii)	10 years - 11	15	15	15	12	15	15	13	12	15	15	15
Add one mark extra for each additional year of experience subject to maximum 4 (four) marks.												
iii)	< 5 years - 0	15	15	15	0	15	15	14	15	15	12	15
5 years - 11												
Add one mark extra for each additional year of experience subject to maximum 4 (four) marks.												
Experience in similar capacity in Road Safety works on Major Highway Project (similar configuration (2/4/6 laning) and above).												
iii)	Audits of 2/4/6-laning Highway projects at different stages including at least one at design stage	20	20	20	0	20	20	20	20	20	20	20
< 2 nos - 0												
2 nos - 16												
Add 2 marks extra for each additional project subject to maximum 4 marks.												
Experience in similar capacity in identification and improvement of black spots on Major Highway Project (similar configuration (2/4/6 laning) and above)												
iv)	< 2 nos - 0	10	10	10	0	7	10	10	10	10	10	0
2 nos - 7												
Add 1 mark extra for each additional improvement of black spots subject to maximum 3 marks.												
Experience in similar capacity of preparing Road Safety Management Plans for Inter Urban Highway		5	4	5	0	5	0	5	5	0	5	0
1 project - 4marks												
v)	2 or more - 5 marks											
Experience in similar capacity in field of Road Safety Management Plan		5	5	5	0	5	0	5	5	0	5	5
vi)	1 project - 4 marks											
2 or more - 3 marks												
Employment with the Firm												
< 1 year - 0		5	3.5	4.5	4	5	0	5	5	0	5	3.5
1 year - 3												
Add 0.5 marks for each subsequent year subject to maximum 2 marks												
Total :		100	93.5	99.5	41	97	81	93	93	85	93	79.5

100

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