

Sub: Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities for Construction of 8.5 Km. Highway Tunnel and approaches at Pir Ki Gali Pass From Km.31.100 to Km.49.300 on Mughal road connecting Shopian with Bafliaz in Poonch District road in the Union Territory of Jammu & Kashmir- **reg.**

Amendment No-II

S. N.	Clause & Description	As per RFP	Amendments/ Modifications
1.	Para 12.1 First stage evaluation – eligibility requirement. (Table-1: Minimum Eligibility Requirements)Amendment-I	Note: The experience of a firm in preparation of DPR for a private concessionaire/contractor shall not be considered. If the applicant firm has / have prepared the DPR/FS projects solely on its own, 100% weightage shall be given. If the applicant firm has prepared the DPR/FS projects as a lead partner in a JV, 75% weightage shall be given. If the applicant firm have prepared the DPR projects as the other partner (not lead partner) in a JV, 25% weightage shall be given.	Note: The experience of a firm in preparation of DPR for a private concessionaire/contractor shall not be considered. If the applicant firm has / have prepared the DPR/FS projects solely on its own, 100% weightage shall be given. If the applicant firm has prepared the DPR/FS projects as a lead partner in a JV, 75% weightage shall be given. If the applicant firm have prepared the DPR projects as the other partner (not lead partner) in a JV, 50% weightage shall be given. If the applicant firm have prepared the DPR/FS projects as an associate, 25% weightage shall be given.
2.	Appendix-V DETAILED EVALUATION CRITERIA 1.1 Eligibility criteria for sole applicant firm.	A Firm applying should have Experience of preparation of Detailed Project Report for Road/Rail/Metro tunnels of aggregate length equal to the indicative length of the package (8.5 km). Firm should have also prepared DPR for atleast one project of Road/ Rail/Metro tunnel of minimum length of 4 Km or feasibility study of Road/Rail/Metro tunnels of minimum length of 6 Km.	A Firm applying should have Experience of preparation of Detailed Project Report for Road/Rail/Metro tunnels of aggregate length equal to the indicative length of the package (8.5 km). Firm should have also prepared DPR for atleast one project of Road/ Rail/Metro tunnel of minimum length of 3.4 Km or feasibility study of Road/Rail/Metro tunnels of minimum length of 5.1 Km.
3.	Appendix-V DETAILED EVALUATION CRITERIA 1.2 Eligibility criteria for Lead Partner/Other Partner in case of JV.	In case of JV, the Lead Partner should fulfil at least 75% of eligibility requirements under Sr. No. 12.1 (A) of Table-1 and the other partner shall fulfil at least 50% of eligibility requirement under Sr. No. 12.1 (A) of Table-1 or 100% of eligibility requirement under Sr. No. 12.1 (B) or 12.1 (C) of Table-1. Combinedly the JV must satisfy 100% of eligibility requirements under Sr. No. 12.1 (A) of Table-1.	In case of JV, the Lead Partner should fulfil at least 75% of eligibility requirements under Sr. No. 12.1 (A) of Table-1 and the other partner shall fulfill at least 50% of eligibility requirement under Sr. No. 12.1 (A) of Table-1 Combinedly the JV must satisfy 100% of eligibility requirements under Sr. No. 12.1 (A) of Table-1.

4.	Appendix-V DETAILED EVALUATION CRITERIA 2. Second Stage Evaluation- Technical Evaluation (Para12.2 of Data Sheet) 2.1 Firm's Relevant Experience	Sr No	Description	Max Points	Sub- Points
		1	Specific experience of the DPR consultancy related to the assignment for eligibility	15	
		1.1	Aggregate Length of DPR / Feasibility study of Road/Rail/Metro Tunnel projects	8	
		1.1.1	More than the indicative Length of the package		6
		1.1.2	More than 1.5 times the indicative length of the package		7
		1.1.3	More than 2 times the indicative length of the package		8
		1.2	DPR for Road/Rail/Metro Tunnel projects each equal to or more than 40 % of indicative tunnel length (or Feasibility Study each equal to or more than 60 % of indicative tunnel length)		7
		1.2.1	1 project		5
		1.2.2	2 projects		6
		1.2.3	3 projects or more		7
		2	Specific experience of firms in terms of turnover	5	
		2.1	Firm's Average Turnover of last 5 years >= 50 crore		5
		2.2	Firm Average Turnover of last 5 years > = 20 crore but < 50 crore		4.5
		2.3	Firm Average Turnover of last 5 years < 20 crore		4
		3	DPR for Road/ Rail/ Metro Tunnel projects in Hills or at an elevation of more than 1000 m	10	

As per amendment -1

		3.1	1 project		6
		3.2	2 projects		8
		3.3	3 or more projects		10
		4	Carried out Airborne Electromagnetic Survey (AEM) (non-intrusive geophysical survey) to the depth of 300 M and have successfully prepared interpretative engineering geological model using the data so obtained OR Directional Coring for investigating preparing record of ground conditions and geological information for a minimum horizontal length of 500M at a depth of 200M of more from ground surface	10	
			1 Tunnel/Project		6
			2 Tunnels/Project s		8
			3 Tunnels//Projects or more		10
5.	2.4. Qualification and Competence of the Key Staff for adequacy of the Assignment. (Para 12.2 of Data Sheet and Enclosure II of TOR)	2.4.1 TEAM LEADER cum SENIOR TUNNEL EXPERT			
		S. No.	Description	Max. Points	
		I	General Qualification	25	
			Degree in Civil Engineering/Tunnel Engineering / Mining		
		i)	Engineering	20	
			Post Graduation in Civil Engineering /Tunnel		
		ii)	Engineering/Mining Engineering	5	
		II	Relevant Experience & Adequacy for the Project	70	
		a)	Total Professional Experience	10	
			<20 years	0	
			20-25 years	8	
			>25-28 years	9	
			>28 years	10	
		(b)	Experience in Tunnel Projects	40	
		(i)	Professional experience in handling major tunnel	8	
		2.4.1 TEAM LEADER cum SENIOR TUNNEL EXPERT			
		S. No.	Description	Max. Points	
		I	General Qualification	25	
			Degree in Civil Engineering/Tunnel Engineering / Mining		
		i)	Engineering	20	
			Post Graduation in Civil Engineering /Tunnel		
		ii)	Engineering/Mining Engineering	5	
		II	Relevant Experience & Adequacy for the Project	65	
		a)	Total Professional Experience	10	
			<20 years	0	
			20-25 years	8	
			>25-28 years	9	
			>28 years	10	
		(b)	Experience in Tunnel Projects	40	
		(i)	Professional experience in handling major tunnel	8	

		projects (Road/Rail/Metro)		
		<12 years	0	
		>=12 – 14 years	6	
		>14 – 15 years	7	
		>15 years	8	
		(ii) Experience in major tunnel construction/construction supervision projects (Road/Rail/Metro)		8
		<10 years	0	
		>=10 – 12 years	7	
		>12 years	8	
		(iii) Experience in preparation of DPR or Feasibility report of major tunnel projects (Road/Rail/Metro)		8
		<10 years	0	
		>=10 – 12 years	7	
		>12 years	8	
		(iv) Experience in DPR preparation of minimum 5 km Tunnel length		8
		< 3 projects	0	
		3 or more projects	8	
		(v) Experience in construction/construction supervision/ preparation of DPR/feasibility report of major tunnel projects (Road/Rail/metro) using NATM		8
		<10 years	0	
		>=10 – 12 years	7	
		>12 years	8	
		c) Experience in Similar Capacity		20
		(i) Experience as Team Leader or similar capacity in major tunnel construction/construction supervision projects (Road/Rail/Metro)		10
		=2 projects	8	
		= 3 to 5 projects	9	
		> 5 or more	10	
		(ii) Experience as Team Leader or similar capacity in preparation of DPR or Feasibility report of major tunnel projects (Road/Rail/Metro)		10
		=2 projects	8	
		projects (Road/Rail/Metro)		
		<12 years	0	
		>=12 – 14 years	6	
		>14 – 15 years	7	
		>15 years	8	
		(ii) Experience in major tunnel construction/construction supervision projects (Road/Rail/Metro)		8
		<10 years	0	
		>=10 – 12 years	7	
		>12 years	8	
		(iii) Experience in preparation of DPR or Feasibility report of major tunnel projects (Road/Rail/Metro)		8
		<10 years	0	
		>=10 – 12 years	7	
		>12 years	8	
		(iv) Experience in DPR preparation of minimum 5 km Tunnel length		8
		< 3 projects	0	
		3 or more projects	8	
		(v) Experience in construction/construction supervision/ preparation of DPR/feasibility report of major tunnel projects (Road/Rail/metro) using NATM		8
		<10 years	0	
		>=10 – 12 years	7	
		>12 years	8	
		c) Experience in Similar Capacity		15
		(i) Experience as Team Leader or similar capacity in major tunnel construction/construction supervision projects (Road/Rail/Metro)		7
		=2 projects	5	
		= 3 to 5 projects	6	
		> 5 or more	7	
		(ii) Experience as Team Leader or similar capacity in preparation of DPR or Feasibility report of major tunnel projects (Road/Rail/Metro)		8
		=2 projects	6	
		= 3 to 5 projects	7	
		> 5 or more	8	

		= 3 to 5 projects	9				
		> 5 or more	10				
		III Employment with Firm		5			
		Less than 1 Year	0				
		1-2 years	3				
		Add 0.5 marks for each subsequent year subject to maximum of 2marks					
		Total		100			
		III Employment with Firm				10	
		Less than 1 Year		0			
		1-2 years		7.5			
		Add 0.5 marks for each subsequent year subject to maximum of 2.5 marks					
		Total				100	
	2.4.2 Tunnel Design Expert	2.4.2 Tunnel Design Expert			Tunnel Design Expert		
		Sr. No.	Description	Max. Points	Sr. No.	Description	Max. Points
		I General Qualification		25	I General Qualification		25
		i) Degree in Civil/ Mining Engineering		20	i) Degree in Civil/ Mining Engineering		20
		ii) Post Graduation in Design/Structural Engineering or equivalent		5	ii) Post Graduation in Design/Structural Engineering or equivalent		5
		II Relevant Experience & Adequacy for the Project		70	II Relevant Experience & Adequacy for the Project		65
		a) Total Professional Experience		10	a) Total Professional Experience		10
		<15 years	0		<15 years	0	
		15-20 years	8		15-20 years	8	
		>20 -25years	9		>20 -25years	9	
		>25years	10		>25years	10	
		b) Experience in Tunnel Projects		30	b) Experience in Tunnel Projects		24
		(i) Professional Experience in handling major tunnel projects (Road/Rail/Metro)		10	(i) Professional Experience in handling major tunnel projects (Road/Rail/Metro)		8
		<10 years	0		<10 years	0	
		>=10-12 years	6		>=10-12 years	6	
		>12 -14 years	8		>12 -14 years	7	
		>14 years	10		>14 years	8	
		(ii) Experience of major tunnel construction/construction supervision projects (Road/Rail/Metro)		10	(ii) Experience of major tunnel construction/construction supervision projects (Road/Rail/Metro)		8
		<10 years	0		<10 years	0	
		>=10-12 years	6		>=10-12 years	6	
		>12 -14 years	8		>12 -14 years	7	
		>14 years	10		>14 years	8	
		(iii) Experience in preparation of DPR or Feasibility report of major tunnel projects (Road/Rail/Metro)		10	(iii) Experience in preparation of DPR or Feasibility report of major tunnel projects (Road/Rail/Metro)		8

		>12 -14 years	8		<10 years	0	
		>14 years	10		>=10-12 years	6	
		(iii) Experience in preparation of DPR or Feasibility report of major tunnel projects (Road/Rail/Metro)	10		>12 -14 years	7	
		<10 years	0		>14 years	8	
		>=10-12 years	6		c) Experience in Similar Capacity	31	
		>12 -14 years	8		(i) Professional Experience as Tunnel Design Engineer (Structural)	8	
		>14 years	10		<8 years	0	
		c) Experience in Similar Capacity	30		>=8-10 years	6	
		(i) Professional Experience as Tunnel Design Engineer (Structural)	8		>10 – 12 years	7	
		<8 years	0		>12 years	8	
		>=8-10 years	6		(ii) Experience as Tunnel Design Engineer (Structural) of major tunnel construction/construction supervision projects (Road/Rail/Metro)	8	
		>10 – 12 years	7		<8 years	0	
		>12 years	8		>=8 – 10 years	6	
		(ii) Experience as Tunnel Design Engineer (Structural) of major tunnel construction/construction supervision projects (Road/Rail/Metro)	8		>10-12 years	7	
		<8 years	0		>12 years	8	
		>=8 – 10 years	6		(iii) Experience as Tunnel Design Engineer (Structural) of major tunnel for preparation of DPR projects (Road/Rail/Metro)	8	
		>10-12 years	7		<8 years	0	
		>12 years	8		>=8 – 10 years	6	
		(iii) Experience as Tunnel Design Engineer (Structural) of major tunnel for preparation of DPR projects (Road/Rail/Metro)	7		>10-12 years	7	
		<8 years	0		>12 years	8	
		>=8 – 10 years	5		(iv) Experience as Tunnel Design Engineer (Structural) in preparation of DPR/ Feasibility report of major tunnel projects (Road/Rail/Metro) using NATM	7	
		>10-12 years	6		< 3 projects	0	
					>=3-5 projects	6	
					5 or more projects	7	
					III Employment with Firm	10	
					Less than 1 Year	0	
					1-2 years	7.5	
					Add 0.5 marks for each subsequent year subject to maximum of 2.5 marks		
					Total	100	

•Major Tunnel Project = having length more than 1.5 km.

		<table><tr><td>>12 years</td><td>7</td><td></td></tr><tr><td>(iv)Experience as Tunnel Design Engineer (Structural) in preparation of DPR/ Feasibility report of major tunnel projects (Road/Rail/Metro) using NATM</td><td>7</td><td></td></tr><tr><td>< 3 projects</td><td>0</td><td></td></tr><tr><td>>=3-5 projects</td><td>6</td><td></td></tr><tr><td>5 or more projects</td><td>7</td><td></td></tr><tr><td>III Employment with Firm</td><td></td><td>5</td></tr><tr><td>Less than 1 Year</td><td>0</td><td></td></tr><tr><td>1-2 years</td><td>3</td><td></td></tr><tr><td>Add 0.5 marks for each subsequent year subject to maximum of 2 marks</td><td>5</td><td></td></tr><tr><td>Total</td><td></td><td>100</td></tr></table> <p>• Major Tunnel Project = having length more than 1.5 km.</p>	>12 years	7		(iv)Experience as Tunnel Design Engineer (Structural) in preparation of DPR/ Feasibility report of major tunnel projects (Road/Rail/Metro) using NATM	7		< 3 projects	0		>=3-5 projects	6		5 or more projects	7		III Employment with Firm		5	Less than 1 Year	0		1-2 years	3		Add 0.5 marks for each subsequent year subject to maximum of 2 marks	5		Total		100																																																																														
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		>12 -14 years	8		<10 years	0	
		>14 years	10		>=10-12 years	6	
		(iii) Experience in preparation of DPR or Feasibility report of major tunnel projects (Road/Rail/Metro)	10		>12 -14 years	7	
		<10 years	0		>14 years	8	
		>=10-12 years	6		(ii) Experience in major tunnel construction /construction supervision projects (Road/Rail/Metro)	8	
		>12 -14 years	8		<10 years	0	
		>14 years	10		>=10-12 years	6	
		c) Experience in Similar Capacity	30		>12 -14 years	7	
		(i) Experience as Senior Geotechnical Engineer or similar capacity in major tunnel construction/construction supervision projects (Road/Rail/Metro)	10		>14 years	8	
		<8 years	0		(iii) Experience in preparation of DPR or Feasibility report of major tunnel projects (Road/Rail/Metro)	8	
		>=8 – 10 years	6		<10 years	0	
		>10-12 years	8		>=10-12 years	6	
		>12 years	10		>12 -14 years	7	
		(ii) Experience as Senior Geotechnical Engineer or similar capacity in preparation of DPR or Feasibility report of major tunnel projects (Road/Rail/Metro)	10		>14 years	8	
		<8 years	0		c) Experience in Similar Capacity	31	
		>=8 – 10 years	6		(i) Professional Experience as Tunnel Design Engineer (Structural)	8	
		>10-12 years	8		<8 years	0	
		>12 years	10		>=8-10 years	6	
		(iv) Experience in construction/construction supervision/ preparation of DPR/feasibility report of major tunnel projects (Road/Rail/metro) using NATM	10		>10 – 12 years	7	
		<8 years	0		>12 years	8	
		>=8 – 10 years	8		(ii) Experience as Senior Geotechnical Engineer or similar capacity in major tunnel construction/construction supervision projects (Road/ Rail/ Metro)	8	
		>10-12 years	10				
		<8 years	0				
		III Employment with Firm	5				
		Less than 1 Year	0				
		1-2 years	3				
		Add 0.5 marks for each	5				

		subsequent year subject to maximum of 2 marks				<8 years	0	
						>=8 – 10 years	6	
		Total		100		>10-12 years	7	
						>12 years	8	
					(iii) Experience as Senior Geotechnical Engineer or similar capacity in preparation of DPR or Feasibility report of major tunnel projects (Road/Rail/Metro)			8
					<8 years	0		
					>=8 – 10 years	6		
					>10-12 years	7		
					>12 years	8		
					(iv) Experience in construction/construction supervision / preparation of DPR/ feasibility report of major tunnel projects (Road/Rail/metro) using NATM			7
					<8 years	0		
					>=8 – 10 years	6		
					>10-12 years	7		
					<8 years	0		
					III Employment with Firm			10
					Less than 1 Year	0		
					1-2 years	7.5		
					Add 0.5 marks for each subsequent year subject to maximum of 2.5 marks			
					Total			100

(B. Shivprasad)
General Manager(T)