



National Mission for Clean Ganga (NMCG)
Ministry of Water Resources, River Development & Ganga Rejuvenation
1st Floor, Major Dhyan Chand National Stadium, India Gate, New Delhi – 110002

F.No: Pc-11011/3/2018-PPP/NMCG

Dated: 26th November 2018

Addendum No. 1

Sub: Request for Proposal (RFP) for the Selection of Project Engineer For the Development of Sewage Treatment Plants (STPs) & associated Infrastructure and operation and maintenance of all assets for 15 years in Digha & Kankarbagh, Patna, Bihar Under Hybrid Annuity based PPP mode.

Sl. No.	Clause No.& Reference	Original Clause	Revised Clause
1	Clause 1.8, Table Sl. No. 4,5,6 and 7, RFP	4. Proposal Due Date or PDD- 27th November 2018, 12.30 PM 5. Opening of Proposals- 27th November 2018, 1.00 PM 6. Meeting for presentation of Approach & Methodology- 5-6th December 2018 7. Opening of Financial Proposal- 12th December, 2018	4. Proposal Due Date or PDD- 14th December 2018, 12.30 PM 5. Opening of Proposals- 14th December 2018, 1.00 PM 6. Meeting for presentation of Approach & Methodology- 20-21st December 2018 7. Opening of Financial Proposal- 29th December, 2018
2	Clause 2.1.4, RFP, Key Expert table, Column-3, Qualification and Expertise required For Team Leader cum Waste Water	Qualification and Expertise required Should have Sewage/Waste Water Technology expert with more than 15 years of overall experience, of which about 3 years of experience should be as a Team Leader or 5 years as Deputy Team Leader in similar projects. He should have undertaken planning, design, and supervision of construction for at least 2 Eligible Assignment- one in STPs and one sewerage network.	Qualification and Expertise required Should have Sewage/Waste Water Technology expert with more than 15 years of overall experience, of which about 3 years of experience should be as a Team Leader or 5 years as Deputy Team Leader in similar projects. He should have undertaken planning, design, and supervision of construction for at least 2 Eligible Assignment- one in STPs (refer to clause 3.1.4 A1) and one sewerage network (refer to clause 3.1.4 A3).



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Sl. No.	Clause No.& Reference	Original Clause	Revised Clause
	Expert		
3	Clause 2.1.4, RFP, Key Expert table, Column-3, Qualification and Expertise required For Senior Engineer Network	Qualification and Expertise required Should have experience of more than 12 years of experience, of which about 5 years should be in sewerage Networks. He should have undertaken planning design and supervision of construction of at least 2 Eligible Assignments in sewerage networks projects (3.1.4(A2) of the RFP document)	Qualification and Expertise required Should have experience of more than 12 years of experience, of which about 5 years should be in sewerage Networks. He should have undertaken planning design and supervision of construction of at least 2 Eligible Assignments in sewerage networks projects (3.1.4(A4) of the RFP document)
4	Clause 3.1.2 , RFP	Each Key Personnel must score a minimum of 60% (sixty per cent) marks except as provided herein.	Deleted
5	Clause 3.1.4, RFP	A2. Eligible Technical Consultancy Assignments(Network): For the purposes of determining Conditions of Eligibility and for evaluating the Proposals under this RFP, Project Management Consultancy (PMC)/DPR preparation & construction supervision consultancy /Owner’s Engineer/ consultancy assignments for the	A2. Eligible Technical Consultancy Assignments (Network): For the purposes of determining Conditions of Eligibility and for evaluating the Proposals under this RFP, Project Management Consultancy (PMC)/DPR preparation &



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Sl. No.	Clause No.& Reference	Original Clause	Revised Clause
		<p>following projects shall be deemed as eligible assignments (the “Eligible Technical Assignments 2”):</p> <p>(i) minimum 150 kms length of sewage and drainage network of which,</p> <p>a) at least 1 km should be more than or equal to 1500 mm diameter</p> <p>b) at least 1 sewage pumping station of minimum capacity of 55 MLD.</p> <p>(ii) Sewerage network of minimum length 200 m using trenchless technology.</p> <p>The experience mentioned in (i) and (ii) can be met together from a single contract or from different contracts.</p>	<p>construction supervision consultancy /Owner’s Engineer/ consultancy assignments for the following projects shall be deemed as eligible assignments (the “Eligible Technical Assignments 2”):</p> <p>(i) minimum 150 kms length of sewage and drainage network</p>
6	Clause 3.1.4, RFP	Nil	A3. Additional Technical Consultancy Experience



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			preferred (Network): For the purposes of evaluation, Project Management Consultancy (PMC)/DPR preparation & construction supervision consultancy /Owner's Engineer/ consultancy assignments for the following projects shall be considered for evaluation over and above the minimum eligibility criteria as mentioned in 3.1.4 A2: (i) at least 1 km should be more than or equal to 1000 mm diameter (ii) at least 1 sewage pumping station of minimum capacity of 50 MLD. (iii) Sewerage network of minimum length 200 m using trenchless technology.
7	Clause 3.1.4, RFP	Nil	A4. Eligible Technical Consultancy Assignments (Network) for Key Personnel:



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Sl. No.	Clause No.& Reference	Original Clause	Revised Clause																
			<p>For the purposes of evaluation, Project Management Consultancy (PMC)/DPR preparation & construction supervision consultancy /Owner’s Engineer/ consultancy assignments for the following projects shall be considered for evaluation :</p> <p>i) minimum 50 kms length of sewage and drainage network</p> <p>For evaluation purpose the cumulative sewer network, experience claimed for the Key-personal in multiple projects/contracts as submitted in Form No.-11 will be considered.</p>																
8	Clause 3.1.3, Item Code-3, RFP	<table border="1"> <thead> <tr> <th>Item Code</th> <th>Parameter</th> <th>Maximum Marks</th> <th>Criteria</th> </tr> </thead> <tbody> <tr> <td>3.</td> <td>Relevant Experience of the</td> <td>100</td> <td>Up to 2 projects: 20 3-5 Projects: 60</td> </tr> </tbody> </table>	Item Code	Parameter	Maximum Marks	Criteria	3.	Relevant Experience of the	100	Up to 2 projects: 20 3-5 Projects: 60	<table border="1"> <thead> <tr> <th>Item Code</th> <th>Parameter</th> <th>Maximum Marks</th> <th>Criteria</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Item Code	Parameter	Maximum Marks	Criteria				
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Sl. No.	Clause No.& Reference	Original Clause				Revised Clause			
			Bidder: Sewage Network Experience: 100		More than 5 projects: 100	3.	Relevant Experience of the Bidder: Sewage Network Experience: 100	Network: 50 Marks	Upto 2 Project- 30 More than 2 Projects: 50
								More than 1000 mm dia- 20 Marks	Upto 2 Projects: 10 More than 2 projects: 20



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Sl. No.	Clause No.& Reference	Original Clause	Revised Clause																		
			Item Code	Parameter	Maximum Marks	Criteria															
					At Least 50 MLD Sewage Pumping Station- 20 Marks	Upto 2 Projects: 10 More than 2 projects: 20															
					Trenchless pipe laying- 10 Marks	Upto 2 Projects: 6 More than 2 projects: 10															
9	Clause 3.1.3, Item Code-5	<table border="1"> <thead> <tr> <th>Item Code</th> <th>Parameter</th> <th>Maximum Marks</th> <th>Criteria</th> </tr> </thead> <tbody> <tr> <td>5. v</td> <td>Sr. Network Engineer - 1</td> <td>15</td> <td>Qualification: 5 points</td> </tr> </tbody> </table>	Item Code	Parameter	Maximum Marks	Criteria	5. v	Sr. Network Engineer - 1	15	Qualification: 5 points	<table border="1"> <thead> <tr> <th>Item Code</th> <th>Parameter</th> <th>Maximum Marks</th> <th>Criteria</th> </tr> </thead> <tbody> <tr> <td>5. v</td> <td>Sr. Network Engineer - 1</td> <td>15</td> <td>Qualification: 5 points</td> </tr> </tbody> </table>	Item Code	Parameter	Maximum Marks	Criteria	5. v	Sr. Network Engineer - 1	15	Qualification: 5 points		
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Sl. No.	Clause No.& Reference	Original Clause				Revised Clause			
					Undergraduation: 2.5 Post-Graduation: 5 Number of Eligible Assignments as per clause 3.1.4 (A2): 10 points Up to 2 assignments: 3.5 3-5 Assignments: 7.5 More than 5 assignments: 10				Undergraduation: 2.5 Post-Graduation: 5 Cumulative Experience in Sewage and drainage network as per clause 3.1.4 (A4): 10 points Up to 50 Kms : 2 51 to 100 Kms: 5 101 to 150 Kms: 7 More than 150 Kms: 10
	5. vi	Sr. Network Engineer - 2	15	Qualification: 5 points Undergraduation: 2.5 Post-Graduation: 5 Number of Eligible Assignments as per clause 3.1.4 (A2): 10 points	5. vi	Sr. Network Engineer - 2	15	Qualification: 5 points Undergraduation: 2.5 Post-Graduation: 5	



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					Up to 2 assignments: 3.5 3-5 Assignments: 7.5 More than 5 assignments: 10					Cumulative Experience in Sewage and drainage network as per clause 3.1.4 (A4): 10 points Up to 50 Kms : 2 51 to 100 Kms: 5 101 to 150 Kms: 7 More than 150 Kms: 10	
10	Clause 2.1.4 Key Personnel, Table Non Key Experts	Sl. No.	Category Name	Minimum educational qualification and Discipline	Qualification and Expertise required	Nos. required	Sl. No.	Category Name	Minimum educational qualification and Discipline	Qualification and Expertise required	Nos. required



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Sl. No.	Clause No.& Reference	Original Clause				Revised Clause						
		1	Safety Expert	Graduate/ Post graduate in Civil Engineering	Must be a licensed or registered Safety Engineer in the field of infrastructure works with more than 10 years of overall experience. He should have undertaken at least 2 Infrastructure Projects in the capacity of Safety Expert.	1		1	Safety Expert	Graduate/ Post graduate in Engineering/ Science/ Arts/Commerce	Must be a licensed or registered Safety Expert in the field of infrastructure works with more than 10 years of overall experience. He should have undertaken at least 2 Infrastructure Projects in the capacity of Safety Expert.	1
		2	Support Engineer (Civil	Graduate in Civil Engineering	Should have experience of more than 5 years of experience, in sewage treatment plant works.	2		2	Support Engineer	Diploma/Graduate in Civil Engineering	For Graduate Engineers: Should have experience of more than 5 years	2



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Sl. No.	Clause No.& Reference	Original Clause				Revised Clause				
)		.		(Civil)		of experience, in sewage treatment plant works.	
		3	Support Engineer (Network)	Graduate in Civil Engineering/ Mechanical Engineering	Should have experience of more than 5 years of experience, in sewage Network	4			For Diploma Engineers: Should have experience of more than 10 years of experience, in sewage treatment plant works.	
		4	Support Engineer (Mechanical)	Graduate in Mechanical Engineering	Should have more than 5 years of experience in supervising, installation and testing of pumps and associated equipment and plant in STPs.	2				
						3	Support Engineer (Network)	Diploma/Graduate in Civil Engineering/ Mechanical Engineering	For Graduate Engineers: Should have experience of more than 5 years of experience, in sewage Network	4



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Sl. No.	Clause No.& Reference	Original Clause				Revised Clause				
									For Diploma Engineers	
		5	Support Engineer (Electrical)	Graduate in Electrical Engineering	Should have more than 5 years of experience in supervising electrical installations and instrumentation related to power driven equipment in STPs	2			Should have experience of more than 10 years of experience, in sewage Network	
						4	Support Engineer (Mechanical)	Diploma/Graduate in Mechanical Engineering	For Graduate Engineers: Should have more than 5 years of experience in supervising, installation and testing of pumps and associated equipment and	2



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Sl. No.	Clause No.& Reference	Original Clause	Revised Clause				
						plant in STPs. For Diploma Engineers: Should have more than 10 years of experience in supervising, installation and testing of pumps and associated equipment and plant in STPs.	
			5	Support Engin	Diploma/Graduate in Electrical	For Graduate Engineers: Should have more than 5	2



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Sl. No.	Clause No.& Reference	Original Clause	Revised Clause				
				eer (Electrical)	Engineering	years of experience in supervising electrical installations and instrumentation related to power driven equipment in STPs. For Diploma Engineers: Should have more than 5 years of experience in supervising electrical installations and instrumentation related to power driven equipment in	



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						STPs.
11	Clause 2.2.2 (A) Technical Capacity, RFP	A. Technical Capacity: The Bidder shall have, over the past 10 (ten) years preceding the PDD, has completed a minimum of 3 (three) Eligible Technical Assignments in STP specified in Clause 3.1.4 (A1) and 2 Eligible assignment of network as specified in Clause 3.1.4 (A2) of RFP document. The technical experience mentioned herein is the minimum eligibility criteria for completed projects for any Bidder. Over and above this Bidder may submit additional completed /ongoing projects for claiming the Technical Capacity in accordance with clause 3.1.4 of the RFP document. However ongoing projects will be considered for evaluation only if the Bidder has received 80% of the professional fees /assignment value for the project.	<p>(A) Technical Capacity: The Bidder shall have, over the past 10 (ten) years preceding the PDD, has completed a minimum of 3 (three) Eligible Technical Assignments in STP specified in Clause 3.1.4 (A1) and 2 Eligible assignment of network as specified in Clause 3.1.4 (A2) of RFP document. The technical experience mentioned herein is the minimum eligibility criteria for completed projects for any Bidder. Over and above this Bidder may submit additional completed /ongoing projects for claiming the Technical Capacity in accordance with clause 3.1.4 of the RFP document. However ongoing projects will be considered for evaluation only if the Bidder has received 80% of the professional fees /assignment value for the project.</p>			



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			It may be noted that additional weightage will be provided for experience as mentioned in clause 3.1.4 A3 in accordance with the clause 3.1.3																													
12	Clause 13.2, Schedule-1, Terms of Reference	<p align="center">A. During construction period For STPs</p> <table border="1"> <thead> <tr> <th>S. No</th> <th>Particulars</th> <th>% of fee paid</th> <th>Cumulative %</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Certification for the achievement of first construction milestone by the Concessionaire</td> <td align="center">8%</td> <td align="center">8%</td> </tr> <tr> <td>2</td> <td>Certification for the achievement of second construction milestone by the Concessionaire</td> <td align="center">8%</td> <td align="center">16%</td> </tr> </tbody> </table>	S. No	Particulars	% of fee paid	Cumulative %	1	Certification for the achievement of first construction milestone by the Concessionaire	8%	8%	2	Certification for the achievement of second construction milestone by the Concessionaire	8%	16%	<p align="center">A. During construction period For STPs</p> <table border="1"> <thead> <tr> <th rowspan="2">S. No</th> <th rowspan="2">Particulars</th> <th colspan="2">% of fee paid</th> <th rowspan="2">Cumulative %</th> </tr> <tr> <th>For Digha</th> <th>For Kankarbagh</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Certification for the achievement of first construction milestone by the Concessionaire</td> <td align="center">4%</td> <td align="center">4%</td> <td align="center">8%</td> </tr> <tr> <td>2</td> <td>Certification for the achievement of second construction milestone by</td> <td align="center">4%</td> <td align="center">4%</td> <td align="center">16%</td> </tr> </tbody> </table>	S. No	Particulars	% of fee paid		Cumulative %	For Digha	For Kankarbagh	1	Certification for the achievement of first construction milestone by the Concessionaire	4%	4%	8%	2	Certification for the achievement of second construction milestone by	4%	4%	16%
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		3	Certification for the achievement of third construction milestone by the Concessionaire	8%	24%		the Concessionaire			
		3	Certification for the achievement of third construction milestone by the Concessionaire			4%		4%		24%
		4	Certification for the achievement of fourth construction milestone by the Concessionaire	8%	32%					
		4	Certification for the achievement of fourth construction milestone by the Concessionaire			4%		4%		32%
		5	Certification for the achievement of fifth construction milestone by the Concessionaire	8%	40%					
		5	Certification for the achievement of fifth construction milestone by the Concessionaire			4%		4%		40%
		6	Monthly Payment in accordance with the deployment of Key Personnel. (*Please see the	60%	100%					
		6	Monthly Payment in accordance with the deployment of Key					60%		100%



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National Mission for Clean Ganga (NMCG)
Ministry of Water Resources, River Development & Ganga Rejuvenation
1st Floor, Major Dhyan Chand National Stadium, India Gate, New Delhi – 110002

F.No: Pc-11011/3/2018-PPP/NMCG

Dated: 26th November 2018

Addendum No. 1

Sub: Request for Proposal (RFP) for the Selection of Project Engineer For the Development of Sewage Treatment Plants (STPs) & associated Infrastructure and operation and maintenance of all assets for 15 years in Digha & Kankarbagh, Patna, Bihar Under Hybrid Annuity based PPP mode.

Sl. No.	Clause No.& Reference	Original Clause			Revised Clause						
			days/man months spend on the project)				submission of certificate for adherence to KPIs on prorated basis for 24 months (Billing on the basis of man days/man months spend on the project)	month = 48 %	month = 48 %		
		2	Final certification of 24 months of O & M period.	4 %	100%	2	Final certification of 24 months of O & M period.	2 %	2 %	100%	