



गंगा सेवा भारत सेवा

# राष्ट्रीय स्वच्छ गंगा मिशन National Mission for Clean Ganga

No. P-03/2016-17/98/NMCG-Conditional Assessment

Dated: January 27, 2017

To,  
M/s. WAPCOS LIMITED  
(A Government of India Enterprises)  
76 C-Sector-18, Gurgaon-122015 (Haryana)  
Tel.0124-2397396 (Fax-0124-2397392)  
Email: [environment@wapcos.co.in](mailto:environment@wapcos.co.in)

Received On 30.1.17  
Abhishek Panchal  
E-N 2733  
WAPCOS Ltd.

## WORK ORDER No. P-03/2016-17/98/NMCG-Conditional Assessment

Sub: **Appointment of Agency to Carry out: i. Condition Assessment, Preparation of Feasibility Report and Post Construction Activities for Existing and Creation of New STP and Sewerage Activities (End to End Activities ) under Namami Gange Programme for River Kali West, Hindon, South of Yamuna in Delhi( 26 Kms) and River Gomti; and**  
**ii. Entry Level Activities (End to End Activities) under Namami Gange Programme for River Kali West, Hindon, South of Yamuna in Delhi (26Km.) and River Gomti**

&

Reference :

- Your Technical proposals submitted vide letters WAP/Envt./NMCG/2016/2244 & 2245 dated 05.12.2016
- Your e mail dated 13.01.2017 with enclosed letters : WAP/Envt./NMCG/2017/2350 & 2351 dated 13.01.2017
- Your e mail dated 16.01.2017 with enclosed letters : WAP/Envt./NMCG/2017/2350 & 2351 dated 13.01.2017
- Your e mail dated 20.01.2017 details of cost of Preparation of Condition Assessment Report

Sir,

With reference to your offer dated December 05, 2016 submitted against the subject bid document and subsequent correspondences ending with e mail dated 20.01.2017 details of cost of Preparation of Condition Assessment Report , we hereby issue this 'Work Order ' as under

### I. SCOPE OF WORK:

The Project scope entrusted by NMCG include Entry level activities (end to end activities) and Condition Assessment, Preparation of Feasibility Report and Post Construction Activities for existing and Creation of new STP and Sewerage Activities (end to end Activities) for the towns and cities along the banks of river River Kali West, Hindon, South of Yamuna in Delhi (26Km.) and Gomti as given in Appendix 1. The project scope has following components;

एन.एम.सी.जी., (जल संसाधन, नदी विकास एवं गंगा संरक्षण मंत्रालय, भारत सरकार के अन्तर्गत निबंधित सोसायटी)

प्रथम तल, मेजर ध्यानचंद नेशनल स्टेडियम, इंडिया गेट, नई दिल्ली-110002

NMCG, (A Registered Society under Ministry of Water Resources, River Development & Ganga Rejuvenation, Govt. Of India)

First Floor, Major Dhyan Chand National Stadium, India Gate, New Delhi-110002

Ph.: 011-23072900, 23072901 Fax: 011-23409566

- A. The Entry Level Activities (end to end activities) consisting of ;
- (i) Repair of existing modernization and construction of new ghats including provision of appropriate public amenities;
  - (ii) Village sewage drain treatment, wherever required
  - (iii) Repair, Modernization of existing and construction of new Crematoria; and
  - (iv) Other such works as assigned time to time for all the towns and cities on the banks of River Kali West, Hindon, South of Yamuna in Delhi (26Km.) and Gomti.

The detailed Scope of work for the Entry Level Activities is given in Appendix 2.

- B. The scope of Condition Assessment , Preparation of Feasibility Report and Post Construction activities in respect of existing and creation of new STP's including related sewerage activities (end-to-end) :
- (i) Construction of sewerage infrastructure including sewage treatment plants and associated works like SPS, sewerage networks, I&D works etc. as required;
  - (ii) Repair and modernization of existing Sewage Treatment Plants and
  - (iii) Other such works as assigned time to time for all the towns and cities.

These activities are towards rehabilitation of existing and creation of new STP's to identify the rehabilitation /up-gradation potential in respect of existing sewage infrastructure and also to assess the requirement of creation of new STP,s by undertaking Condition assessment and Feasibility report studies .( The studies shall be followed by Pre Construction Post Construction activities in end-to-end mode).

The Details are as appended at Appendix-3.

## **II.PRICE SCHEDULE:**

Entry level activities and Carrying out Condition Assessment , Preparation of Feasibility Report and Post Construction Activities for Existing and Creation of New STP and Sewerage Activities (End To End) for the Cities/Town Along River Kali West, Hindon , South of Yamuna in Delhi & Entry Level Activities (End to End Activities ) in Two States namely Uttar Pradesh and Delhi Along River Kali West, Hindon, South of Yamuna in Delhi :

S.No.	Description	Agency Fee(In percentage of approved DPR Cost)
1.	For Entry Level Activities (end to end activities)	
	Stage A: Pre-Construction Stage	7.8%
	Stage B: Pre-Construction Stage and post Construction	
2.	For Condition Assessment, feasibility report and post construction activities for existing and creation of new STP and Sewerage activities	
	Stage A: Pre-Construction Stage	7.8%
	Stage B: Pre-Construction Stage and post Construction	

Entry level activities Carrying out Condition Assessment , Preparation of Feasibility Report and Post Construction Activities for Existing and Creation of New STP and Sewerage Activities (End To End) for the Cities/Town Along River Gomti & Entry Level Activities (End to End Activities ) in River Gomti :

S.No.	Description	Agency Fee (In percentage of approved DPR Cost)
1.	For Entry Level Activities (end to end activities)	
	Stage A: Pre-Construction Stage	7.8%
	Stage B: Pre-Construction Stage and post Construction	
2.	For Condition Assessment, feasibility report and post construction activities for existing and creation of new STP and Sewerage activities	
	Stage A: Pre-Construction Stage	7.8%
	Stage B: Pre-Construction Stage and post Construction	

### III.PAYMENT :

#### A. Payment terms for Entry level Activities (End to End Activities):

Fee shall be payable as per payment terms below against various milestones of project.

##### (i) Pre-Preparatory Activities

S. No.	Milestones	Cumulative Payments
1	On Mobilization	Rs 20 Lakhs.
2	Submission of DPR after incorporating TPA's observations	30% of agency's fee on detailed estimated project cost less the amount already paid.
3	Approval of project in Executive Committee(EC) and preparation of tenders including detailed estimates	30% of agency's fee on project cost approved by Executive Committee less the amount already paid. .
4	Award of work for execution	40% of agency's fee on value of work awarded less the amount already paid..

##### (ii) Construction and Post Construction Activities

S. No.	Milestones	Payments
1	Installment during project execution (quarterly basis based on progress of project )	80% of the fees based on project cost *. (less the amount already paid).
2	Commissioning of work and 100% successful completion of work	90% of the fees based on project cost. (less the amount already paid).
3	Completion of Defect Liability Period	100% of fees based on project cost. (less the amount already paid).

\* project cost shall be value of work awarded

Note:

1. The fees will be dependent on project cost, which will be Cost approved by Executive Committee (EC) prior to submission . The payment made prior to Executive Committee (EC) may need to adjusted ,if required , based upon project cost as finalized.
2. During preparation of tender and detailed project cost estimate, upto 10% variation of project cost is allowed. If variation is more than 10% approval of Executive Committee (EC) is to be taken.
3. All applicable taxes will be paid extra with each milestone of payments.

B. Payment terms for Condition Assessment, Feasibility Report and Post Construction Activities for existing and Creation of new STP and Sewerage Activities (End to End activities) :

(i) Pre-construction Stage:

S. No.	Milestones	Cumulative Payments
1	Mobilization Advance	Rs 20 Lakhs
2	Approval of Submission of CA & FS report by TPA	10% of Agency's Fee on Preliminary Cost estimates (less than the amount already paid)
3	Submission of DPR including detailed project estimates & its acceptance by TPA	20% of agency's fees on estimated detailed project cost (less the amount already paid )
4	Approval of project in Executive Committee (EC) and Preparation of tenders	30% of agency's fees on detailed estimated project cost (less the amount already paid).
5	Award of work for execution	40% of agency's fees on value of work awarded (less the amount already paid).

(ii) Construction & Post Construction Stage:

S. No	Milestones	Cumulative Payments
1	Installment during project execution (quarterly basis based on project progress)	80% of the fees based on project cost (less the amount already paid).
2	Commissioning of work and 100% successful completion of work	90% of the fees based on project cost (less the amount already paid).
3	Completion of Defect Liability Period	100% of fees based on project cost (less the amount already paid).

Note :

1. The fees will be dependent on project cost which is value of work awarded. The project cost will be finalized in Executive Committee(EC). The payment made prior to Executive Committee (EC) may need to adjusted if required based upon project cost as finalized.
2. **The release of payment to CPSU will be limited to the quantum of work completed.**
3. During preparation of tender and also detailed cost estimate, up to 10% variation of project cost is allowed. If variation is more than 10% revised approval of Executive Committee(EC) is to be taken.
4. For defect liability period, the appointed Construction Contractor shall submit adequate bank guarantee under the construction contract.
5. If DPR stage is not achieved (i.e. if the condition assessment is not recommended by TPA) then the advance released against the project will be adjusted against payments due in respect of other projects of agency with National Mission for Clean Ganga (NMCG).
6. If the DPR is not approved by Executive Committee (EC), then the payment released against the project as fee will be adjusted against payments due in respect of other projects of agency with NMCG . If no such payment is due to agency , the payment released as agency fee shall be refunded to NMCG.
7. All the eligible taxes will be paid extra with each milestone of payments.

**DETAILS OF COST FOR PREPARATION OF CONDITION ASSESSMENT REPORT**

**1. Towns having population greater than 10 lakh ( As per Census Report'2014)**

S.No	Proposed position	Unit	Rate Rs.	Number	Total (Rs. lakh)
<b>A.</b>	<b>Remuneration</b>				
1.	Environmental Engineer	Rs. lakh / month	2.5	3.00	7.50
2	Civil Engineering Expert	Rs. lakh / month	1.5	2.00	3.00
3	STP Expert	Rs. lakh / month	2.5	3.00	7.50
4	Water Quality Expert	Rs. lakh / month	1.5	1.00	1.50
5	BOQ Expert	Rs. lakh / month	1.5	1.00	1.50
6	Sociologist	Rs. lakh / month	1.5	1.00	1.50
7	Field Investigators	Rs. lakh / month	0.5	3.00	1.50
8	Data Entry Operator	Rs. lakh / month	0.6	3.00	1.80
	<b>Sub-Total (A)</b>				<b>25.80</b>
B.	Lodging / DA	Rs. per day	0.05	60.00	3.00
C.	Local Transport at Site	Rs. per day	0.035	50.00	1.75
D.	To and fro Travel to Site	Rs. per trip	0.10	15.00	1.50
E.	Water & Effluent quality analysis	Rs. per sample	0.04	15.00	0.60
F.	Printing of Reports				1.50
G.	Other Expenses				1.50
	<b>Total (A+B+C+D+E+F+G)</b>				<b>35.65</b>

**2. Towns having population between 5 to 10 lakh ( As per Census Report'2014)**

S.No	Proposed position	Unit	Rate Rs.	Number	Total (Rs. lakh)
<b>A.</b>	<b>Remuneration</b>				
1.	Environmental Engineer	Rs. lakh / month	2.5	2.50	6.25
2	Civil Engineering Expert	Rs. lakh / month	1.5	1.50	2.25
3	STP Expert	Rs. lakh / month	2.5	2.50	6.25
4	Water Quality Expert	Rs. lakh / month	1.5	1.00	1.50
5	BOQ Expert	Rs. lakh / month	1.5	1.00	1.50
6	Sociologist	Rs. lakh / month	1.5	0.50	0.75
7	Field Investigators	Rs. lakh / month	0.5	3.00	1.50
8	Data Entry Operator	Rs. lakh / month	0.6	3.00	1.80
	<b>Sub-Total (A)</b>				<b>21.80</b>
B.	Lodging / DA	Rs. per day	0.05	50.00	2.50
C.	Local Transport at Site	Rs. per day	0.035	40.00	1.40
D.	To and fro Travel to Site	Rs. per trip	0.10	15.00	1.50
E.	Water & Effluent quality analysis	Rs. per sample	0.04	10.00	0.40
F.	Printing of Reports				1.50
G.	Other Expenses				1.50
	<b>Total (A+B+C+D+E+F+G)</b>				<b>30.60</b>

### 3. Towns having population less than 5 lakh( As per Census Report'2014)

S.No.	Proposed position	Unit	Rate Rs.	Number	Total (Rs. lakh)
<b>A.</b>	<b>Remuneration</b>				
1.	Environmental Engineer	Rs. lakh / month	2.5	2.00	5.00
2	Civil Engineering Expert	Rs. lakh / month	1.5	1.50	2.25
3	STP Expert	Rs. lakh / month	2.5	2.00	5.00
4	Water Quality Expert	Rs. lakh / month	1.5	0.50	0.75
5	BOQ Expert	Rs. lakh / month	1.5	1.00	1.50
6	Sociologist	Rs. lakh / month	1.5	0.50	0.75
7	Field Investigators	Rs. lakh / month	0.5	2.00	1.00
8	Data Entry Operator	Rs. lakh / month	0.6	3.00	1.80
	<b>Sub-Total (A)</b>				<b>18.05</b>
B.	Lodging / DA	Rs. per day	0.05	40.00	2.00
C.	Local Transport at Site	Rs. per day	0.035	30.00	1.05
D.	To and fro Travel to Site	Rs. per trip	0.10	10.00	1.00
E.	Water & Effluent quality analysis	Rs. per sample	0.04	10.00	0.40
F.	Printing of Reports				1.00
G.	Other Expenses				1.00
	<b>Total (A+B+C+D+E+F+G)</b>				<b>24.50</b>

**III. COMPLETION PERIOD :** The duration of the contract shall be for a period of two years from the date of issue of work order and can be extended further by mutual agreement.

#### **IV. GENERAL TERMS & CONDITIONS:**

- A. In respect of CA & FS agency shall necessarily obtain in writing , list of towns /cities in respect of which the studies are required to be undertaken. Only such towns/cities may therefore be included in studies.
- B. The methodology of collection of base line data in respect of flow of drains etc. may be discussed and get vetted from NMCG officials before actual data collection exercise . All secondary sources of data may also be explored in consultation with NMCG during the course of study.
- C. The rate quoted for carrying out the Entry Level Activities (end to end activities) and Condition assessment, feasibility report and post construction activities for existing and Creation of new STP and Sewerage Activities (end to end activities) would be as per actual expenditure on the project component with a ceiling to the maximum limit of 3.9% for the Pre-Construction and Post Construction and Supervision activities respectively (maximum total 7.8%).

- D. The CPSU while inviting tenders for construction shall invite the same in a manner to clearly identify the cost of construction and O&M cost separately by bidders and not as a composite costs for such construction projects.
- E. To avoid any conflict of interest, the CPSU which is preparing DPRs, condition assessment and feasibility report for the allotted stretches shall not take part in the tender for that particular stretch; however, if CPSU are willing, they may take part in other states/ stretch.
- F. The CPSU shall monitor the progress of construction for the identified activities particularly STPs in such a manner to ensure its completion within the proposed completion period. In case, where construction exceeds stipulated period of construction as approved by the competent authority, no additional cost shall be claimed by the CPSU.
- G. Termination: The Work Order can be terminated at any time by the NMCG, if the services are not up to satisfaction, after giving an opportunity to the selected Agency and recording of the reasons for repudiation.
- H. If the Agency requires an extension of time in completion of the work on account of occurrence of any hindrance, it shall apply in writing to the authority, which has awarded the contract, for the same immediately on occurrence of the hindrance but not after the stipulated time. The case will be examined and permission in writing will be necessary for the Bidder.
- I. If the bidder fails to complete the work at any time or stage then the bid/contract has to be cancelled and the cost incurred upto that stage shall only be paid.
- J. All legal proceedings, if necessity arises to institute, by any of the parties needs to be lodged in courts situated in Delhi.
- K. The payments will be released for each activity on completion of that activity independent of any other subsequent activity . The Contract/job so assigned will be stopped /ended depending on the progress assessed by the client.
- L. The successful bidder shall enter into a contract with National Mission for Clean Ganga.

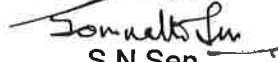
Kindly Contact our office at NMCG Immediately for further instruction regarding commencement of job..



Kindly return, the duplicate copy of this Work Order duly signed and stamped as a token of your acceptance, immediately .

Thanking you,

For National Mission for Clean Ganga

  
S.N.Sen 27.1.2017  
OSD (Procurement)

**Enclosures:**

- (i) Appendix 1 of Bid Document
- (ii) Appendix 2 of Bid Document
- (iii) Appendix 3 of Bid Document
- (iv) Your Technical proposals submitted vide letters WAP/Envt./NMCG/2016/2244 & 2245 dated 05.12.2016
- (v) Your e mail dated 13.01.2017 with enclosed letters :  
WAP/Envt./NMCG/2017/2350 & 2351 dated 13.01.2017
- (vi) Your e mail dated 16.01.2017 with enclosed letters :  
WAP/Envt./NMCG/2017/2350 & 2351 dated 13.01.2017
- (vii) Your e mail dated 20.01.2017 details of cost of Preparation of Condition Assessment Report .