

NATIONAL MISSION FOR CLEAN GANGA (NMCG)
**MINISTRY OF JAL SHAKTI DEPARTMENT OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION, GOVT. OF INDIA**



सत्यमेव जयते

जल शक्ति मंत्रालय
जल संसाधन, नदी विकास और गंगा संरक्षण विभाग
**MINISTRY OF JAL SHAKTI
DEPARTMENT OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION**

**DEVELOPMENT OF NEW SEWAGE TREATMENT PLANTS,
REHABILITATION OF EXISTING SEWAGE TREATMENT
INFRASTRUCTURE AND O&M FOR 15 YEARS IN KANPUR**

UNDER

**ONE CITY ONE OPERATOR CONCEPT THROUGH HYBRID ANNUITY
BASED PPP MODE (HAM – KANPUR)**

(LOA File Number: Pr-12012/41/2018-PPP/NMCG dated 04.02.2019)

Quarterly Progress Report

Of

Project Engineer

FEB & MAR 2019



Executing Agency
Uttar Pradesh Jal
Nigam
Benajhabar Road,
Kanpur
Uttar Pradesh -
208002



Funding Agency
National Mission for
Clean Ganga
MoWR, River
Development & Ganga
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7/426 14-O block,
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ABBREVIATIONS

ASP	Activated Sludge Process
BEP	Basic Engineering Package
BOD	Biochemical Oxygen Demand
CETP	Common Effluent Treatment Plant
COD	Chemical Oxygen Demand
COD	Commercial Operation Date
CPs	Condition Precedent
CTE	Consent To Establish
CTO	Consent to Operate
DFGs	Dual Fuel Generators
DPR	Detailed Project Report
ESHS	Environment, Social, Health And Safety
GOI	Government of India
HAM	Hybrid Annuity Model
I&D	Interception & Diversion
IPS	Intermediate Pumping Station
KPIs	Key Performance Indicators
KRMPL	Kanpur River Management Private Limited
LOA	Letter of Award
MOM	Minutes of Meeting
MPS	Main Pumping Station
O&M	Operation and Maintenance
PLC	Programmable Logic Control
PMC	Project Management Consultant
PDD	Proposal Due Date
PDMC	Project Development and Monitoring Consultant
PPP	Public Private Partnership
QAP	Quality Assurance Plan
RFP	Request for Proposal
RTU	Remote Terminal Unit
RTOLMS	Real Time Online Monitoring System
TOR	Terms of Reference
SBR	Sequential Batch Reactors
STP	Sewage Treatment Plant
TEPH	Treated Effluent Pump House
UASB	Up-Flow Anaerobic Sludge Blanket Reactor

MONTHLY PROGRESS REPORT – HAM KANPUR

1 INTRODUCTION

The Govt. of India, recognizing that long-term rejuvenation of the river Ganga will have significant social and economic benefits on the lives of the 500 million people living along its basin, has identified cleaning of the river Ganga as one of its priorities. For this purpose, in May 2015, the GoI approved the flagship Namami Gange programme for cleaning, rejuvenation, and protection of the river Ganga. In January 2016, the GoI approved a hybrid annuity model to implement STP projects under the Namami Gange programme on a PPP basis.

Subsequently, the MoWR issued the River Ganga (Rejuvenation, Protection and Management) Authorities Order, 2016 (Ganga 2016 Order) to constitute various authorities to assist the GoI in achieving its aim of effective abatement of pollution in the river Ganga. The Ganga 2016 Order applies to all states in the catchment of the river Ganga basin, including Uttar Pradesh. The Ganga 2016 Order revised the legal status of NMCG (which was initially constituted as a registered society under the Societies Registration Act, 1860) to an authority constituted under the Environment (Protection) Act, 1986 and designated NMCG as the nodal agency for the implementation of the Ganga 2016 Order.

Rapidly increasing population, rising standards of living and exponential growth of industrialisation and urbanisation have exposed water resources, in general, and rivers, in particular, to various forms of degradation. The mighty Ganga is no exception. The deterioration in the water quality impacts the people immediately. Ganga, in some stretches, particularly during lean seasons has become unfit even for bathing. The threat of global climate change, the effect of glacial melt on Ganga flow and the impacts of infrastructural projects in the upper reaches of the river, raise issues that need a comprehensive response.

The Uttar Pradesh Jal Nigam (Jal Nigam) is a statutory body constituted under the Uttar Pradesh Water Supply and Sewerage Act 1975, and has the power to develop, maintain and regulate water supply and sewerage works in Uttar Pradesh. With a view to implement the Namami Gange programme and the Ganga 2016 order in the State of Uttar Pradesh, the Jal Nigam, in association with NMCG has decided to undertake the development of:

- three new STP facilities (Pankha, Unnao & Shuklaganj) and their O&M for 15 years;
- rehabilitation of existing 130 MLD Jajmau Phase-I STP facility with O&M for 15 years and;
- O&M for three existing STP facilities (Jajmau Phase-II, Bingawan & Sajari) in Kanpur under Hybrid Annuity based PPP mode.

While the Jal Nigam will be the principal executing agency and bidding authority for the Project, NMCG will be responsible for making payments to the Concessionaire and Project Engineer.

2 HYBRID ANNUITY MODEL (HAM)

Government of India has approved the Namami Gange program as an integrated approach for effective abatement of pollution in river Ganga and Yamuna. As part of this and to ensure that no untreated domestic sewage flow into the river Ganga and Yamuna, various interventions are planned such as Interception & Diversion works and development & operation of Sewage Treatment Plants (STPs).

Considering various development models in practice for the construction, operation and maintenance of Sewage Treatment Plants, Government of India has approved the Hybrid Annuity based Public Private Partnership (PPP) mode as one of the options for the development & operation of STPs. Under this model, private investor/developer will design, build, finance, construct, rehabilitate, renovate, operate and maintain the asset (STPs, IPS, and MPS) to the Project Executing Agency/Jal Nigam at the end of the Concession Period (15 years). 40% of the Capital cost will be paid to the developer during construction of the STP. Balance 60% along with Operation & Maintenance (O&M) cost will be paid over the Concession Period on achievement of key performance indicators as per the contract. Entire cost of development and operation of the STPs will be 100% funded by the Government of India as central sector scheme.

NMCG & UPJN appointed M/s. Shah Technical Consultant Pvt. Ltd., as third party engineering firm as Project Engineer for this project through tendering process. Letter of Award is issued dated 4th February 2019 and agreement signed between the parties on 12th April 2019.

3 OBJECTIVES

To achieve above objectives effective development of STPs at Unnao, Shuklaganj and Pankha rehabilitation of existing STPs with O&M for 15 years in Kanpur are proposed under this program. The objectives that NMCG and the UP Jal Nigam wish to achieve through the Project are mentioned in Figure 1.

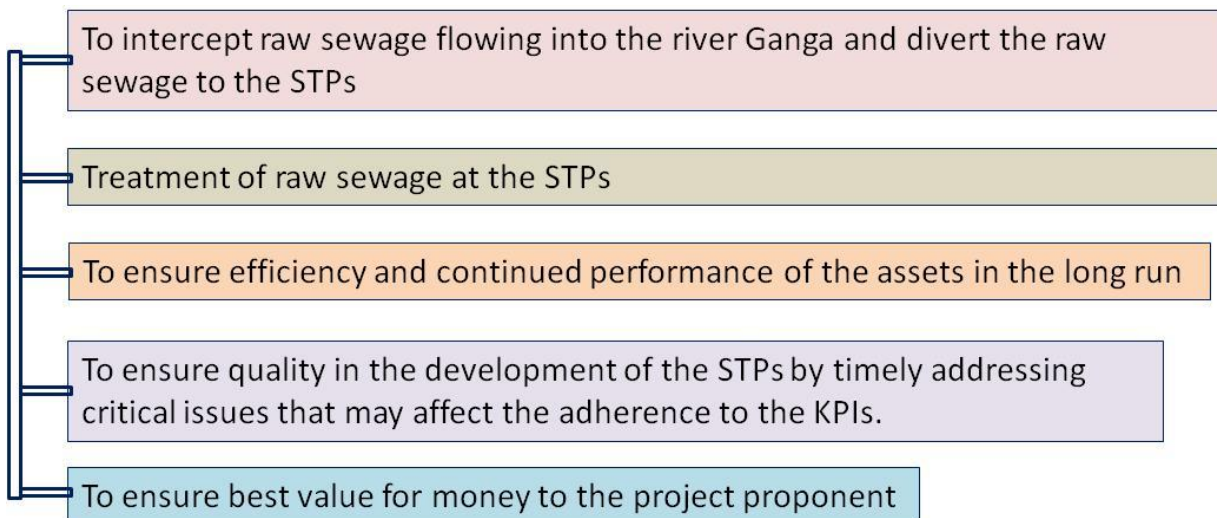


Figure 1: Objectives of NMCG and UP JAL NIGAM

4 HAM KANPUR PROJECT AT A GLANCE

Details of HAM Kanpur project are given in the following table:

Table 2.1: HAM Kanpur Project at a Glance

Particulars	Description
Name of Project	: Development of new Sewage Treatment Plants and O&M for 15 years, Rehabilitation of existing Sewage Treatment Infrastructure and O&M for 15 years in Kanpur under One City One Operator concept through Hybrid Annuity based PPP mode. (HAM – Kanpur)
Client	: National Mission for Clean Ganga (NMCG), New Delhi and UP Jal Nigam
Execution Agency	: Uttar Pradesh Jal Nigam (UPJN)
Consultant	: Shah Technical Consultants (P) Ltd. as ‘Project Engineer’
LOA	: Pr-12012/41/2018-PPP/NMCG dated 04.02.2019
Concessionaire	: Kanpur River Management Private Limited (KRMPL) an SPV of Shapoorji Pallonji & Company Private Limited, Mumbai
Concessionaire’s Agreement No.	: 14/GM/2018-19
Cost of Project (CAPEX+OPEX)	: ₹ 816.24 Cr
Effective Date	: 11.10.2019
Completion date (as per contract)	: 24 Months from effective date (21 months construction + 3 months running)
O&M period	: 15 years after last Commercial Operation Date (COD)
Description of Work	: <ul style="list-style-type: none"> ➤ Construction of three new STPs (SBR) at different locations (30 MLD at Pankha, 15 MLD at Unnao and 5 MLD STP at Shuklaganj) and related infrastructure with 15 years of O&M; ➤ Rehabilitation of 130 MLD (Phase-I) STP at Jajmau with construction of 200 MLD TEPS and 173 MLD CCT at Jajmau with O&M for 15 years; ➤ O&M of 43 MLD (Phase-II) Jajmau facilities, Renovation and O&M of 210 MLD Bingawan facilities and O&M of 42 MLD Sajari facilities for 15 years;

5 PROJECT WISE DETAILS OF COMPONENTS UNDER HAM KANPUR PROJECT

HAM Kanpur project is divided into 5 districts of the Kanpur city – Pankha (District –III), Unnao & Shuklaganj – (District Unnao), Jajmau – (District I), Bingawan – (District II) and Sajari – (District IV). Under this project, development and O&M for 15 years of three new STP facilities based on SBR technology with associated infrastructure have been proposed for two districts – Pankha and Unnao & Shuklaganj.

For 130 MLD Jajmau STP facilities (Phase-I) renovation with O&M for 15 years and Phase-II O&M for 15 years is proposed. For 210 MLD USAB based Bingawan STP facilities renovation with O&M for 15 years for and 42 MLD ASP based Sajari O&M for 15 years is proposed.

5.1 PANKHA FACILITIES (DISTRICT-III)

Project wise components details of Pankha Facilities are given in table 5.1:

Table 5.1: Pankha Facilities (District-III)

SN	STP Facilities	Capacity/dia. /size	No. of units/length
	Date of Start- Effective Date (11.10.2019)		
	Scope of Work- New Construction and O&M		
1.1	STP	30 MLD	1
1.2	MPS	115MLD	1
1.3	ICI Nala IPS	25 MLD	1
1.4	Sundar Nagar IPS	20 MLD	1
1.5	Thermal Nala (A)(tapping)	22 MLD	1
1.6	Thermal Nala (B)(tapping)	8 MLD	1
1.7	ICI Nala(tapping)	7.85 MLD	1
1.8	Common Collection chamber	-	1
1.9	Rising main (ICI Nala IPS to collection chamber)	800mm-φ	6.91km
1.10	Rising main (Sundar Nagar IPS to collection chamber)	800mm-φ	0.651km
1.11	Gravity main (Thermal Nala B Tapping to common collection chamber)		
1.12	Common Gravity main (collection chamber to MPS)	2000mm- φ	1.948Km
1.13	Sewage network	350mm-φ	2.771km
		400 mm-φ	1.359km
		450 mm-φ	1.272km
		500 mm-φ	1.243km
		600 mm-φ	1.778km
		700 mm-φ	1.487km
		800 mm-φ	1.012km
		900 mm-φ	2.170km

		1200 mm- ϕ	3.634km
		1600 mm- ϕ	1.596km
		2000 mm- ϕ	1.948km
		Total	20.27km
1.14	Milestones	Date	
	1 st Milestone	11-Oct-2019 to 25-Apr-2020	
	2 nd Milestone	26-Apr-2020 to 10-Jul-2020	
	3 rd Milestone	11-Jul-2020 to 24-Sep-2020	
	4 th Milestone	25-Sep-2020 to 09-Dec-2020	
	5 th Milestone	10-Dec-2020 to 13-Feb-2021	
	6 th Milestone	14-Feb-2021 to 21-Apr-2021	
	7 th Milestone	22-Apr-2021 to 22-Jun-2021	
	8 th Milestone	23-Jun-2021 to 25-Aug-2021	

5.2 UNNAO FACILITIES

Project wise components details of Unnao Facilities are given in table 5.2:

Table 5.2: Unnao Facilities

SN	STP Facilities		Capacity/ dia. /size	No. of units/length
	Date of Start- Effective Date (11.10.2019)	Scope of Work- New Construction and O&M		
1.1	STP		15 MLD	1
1.2	Sump cum Pump house (MPS)		40 MLD	1
1.3	Trunk Sewer		1200mm ϕ	3.2Km
1.4	I&D works (Nala tapping)		40 MLD	1
1.5	Trash screen		7m-1.7m x 0.8m	1
1.6	Grit chamber		12m-4m x 1m	2
1.7	Collection chamber		3.4m-6.2m x 3m	1
1.8	Rising main (MPS to STP)		750mm ϕ	100m
1.9	Rising main (bypass)		750mm ϕ	100m
1.10	Effluent distribution chamber		-	1
1.11	Effluent gravity channel (STP to discharge point)		1.5m x 1.0m	300m
1.12	Effluent disposal drains		-	500m
1.13	Milestones	Date		
	1 st Milestone	12-Oct-2019 to 24-Feb-2020		
	2 nd Milestone	25-Feb-2020 to 15-May-2020		
	3 rd Milestone	16-May-2020 to 30-Jul-2020		

4 th Milestone	30-Jul-2020 to 14-Oct-2020
5 th Milestone	15-Oct-2020 to 24-Dec-2020
6 th Milestone	10-Dec-2020 to 01-Mar-2021
7 th Milestone	02-Mar-2021 to 05-May-2021
8 th Milestone	06-May-2021 to 10-Jul-2021

5.3 SHUKLAGANJ FACILITIES

Project wise components details of Shuklaganj are given in table 5.3:

Table 5.3: Shuklaganj Facilities*

SN	STP Facilities	Capacity/dia./size	No. of units/length
	Date of Start- Effective Date (11.10.2019)		
	Scope of Work- New Construction and O&M		
1.1	STP	5 MLD*	1
1.2	Sump cum Pump house (MPS)	20 MLD	1
1.3	Connecting sewer	-	1
1.4	I&D works (Nala tapping)	-	1
1.5	Collection chamber	-	1
1.6	Rising main (MPS to STP)	500mm ϕ	50m
1.7	Rising main (bypass)	500mm ϕ	50m
1.8	Retaining wall		1
1.9	Effluent channel (STP to discharge point)	1.5m x 1m	100m
1.10	Milestones	Land not finalized	

*ABOVE PROPOSALS ARE UNDER REVISION

5.4 JAJMAU FACILITIES

Project wise components details of Jajmau are given in table 5.4:

Table 5.4: Jajmau Facilities

SN	STP Facilities	Capacity/dia./size	No. of units/length
A	Phase-I		
	Date of Start- Effective Date (11.10.2019)		
	Scope of Work- Renovation and O&M		
1.1	STP 1 on ASP technology with power Generation	130 MLD	1
1.2	Sump cum Pump house (TEPS)	200 MLD	1
1.3	CCT	173 MLD	1
1.4	Nawabganj IPS	-	1
1.5	Parmat IPS	-	1
1.6	Baba Ghat/Muar mill IPS	-	1

1.7	Guptar Ghat IPS	-	1
1.8	Jajmau CPCS	-	1
B	Phase-II		
	Schedule Handing Over Date- 01.10.2019	Capacity/dia. /size	No. of units/length
	Scope of Work- O&M		
1.1	STP 2 on ASP technology with power Generation	43 MLD	1
1.2	Sanjaypuram IPS	-	1
1.3	Khalisa lane IPS	-	1
1.4	Jajmau MPS	-	1

5.5 BINGAWAN FACILITIES

Project wise components details of Bingawan are given in table 5.5:

Table 5.5: Bingawan Facilities

SN	STP Facilities	Capacity /dia. /size	No. of units/length
	Schedule Handing Over Date- 01.04.2019		
	Scope of Work- Renovation and O&M for 15 years		
1.1	STP on UASB Technology with power generation	210 MLD	1
1.2	Installation of online monitoring system (RTOLMS)		L.S.
1.3	Bingawan MPS	200 MLD	1
1.4	Rakhimandi IPS	100 MLD	1
1.5	Halwakhanda IPS	20 MLD	1
1.6	Munshipurwa IPS	67 MLD	1
1.7	Shisamau Nala (tapping)	8MLD	1

5.6 SAJARI FACILITIES

Project wise components details of Sajari is given in table 5.6

Table 5.6: Sajari Facilities

SN	STP Facilities	Capacity/dia. /size	No. of units/length
	Schedule Handing Over Date- 11.10.2019		
	Scope of Work- O&M for 15 years		
1.1	STP on ASP technology	42 MLD	1
1.2	MPS	42 MLD	1
1.3	Chakeri IPS	14 MLD	1
1.4	Sanigawan IPS	14 MLD	1

6 PRE CONSTRUCTION ACTIVITIES

After receiving Letter of Award (LOA) for HAM Kanpur Project on 4th Feb. 2019, activities regarding office establishment in Kanpur were started. Subsequently, work related to the project like signing of the Contract Agreement, deployment of Key Personnel and manpower, meetings with UPJN, vetting of BEPs and correspondence regarding vetting started.

6.1 BASIC ENGINEERING PACKAGE (BEPs) AND OTHER DETAILS

Details of BEPs and other are given in the following table 6.1:

Table 6.1: BEPs and other details

SN	Particulars	Status
1.	BEPs (except structure design & drawings)	No BEPs of Process, Mechanical, Electrical & instrumentation is submitted by concessionaire's side.
	• Process	
	• Mechanical	
	• Electrical & instrumentation	
2.	BEP Structure Design & Drawings	No BEPs of Structure Design & Drawings of Compound wall, MPS, PTU, C-Tech basin, CCT, Sludge Thickener, Supernatant sump, Centrifuge building, admin building, Staff quarters, Guard room) is submitted by concessionaire's side.
	Compound wall, MPS, PTU, C-Tech basin, CCT, Sludge Thickener, Supernatant sump, Centrifuge building, admin building, Staff quarters, Guard room)	
3.	Construction Plan	No Construction Plan, Sewer Network/Line Design, Topographical, Geo tech & survey reports and ESHS Plan is submitted by concessionaire's side.
4.	Sewer Network/Line Design	
5.	Topo, Geo tech & survey reports	
6.	ESHS Plan	
7.	Scope of Work- O&M	No detail of scope of work for O&M is submitted by concessionaire's side.

7 PROGRESS OF WORK (BEPs etc)

As per the provision of Concessionaire Agreement, effective date of the project was to be declared before 19th April 2019. Till end of the March 2019, CPs was not met hence effective date for start of construction work was not declared. Details of pre construction activities / work progress are described in the **table 7.1 & 7.2**

Table 7.1: Progress of Work

February 2019				
SN	Activity / Work	Date	Action Taken Status	Remarks
1	Letter of Award regarding appointment of Project Engineer	04.02.19	Received in STC Kanpur office on 06.02.19	
2	Joining of Project Engineer at STC Kanpur	06.02.19	Mr. CM Dimri (Senior Engineer, Civil) joined the office	
3	Joining of O&M Engineer at STC Kanpur	06.02.19	Mr. J.P. Tripathi (O&M Engineer) joined the office	
4	Meeting with General Manager, UP Jal Nigam & Chief Engineer, UPJN, at Benajhabar, Kanpur	06.02.19	Mr. CM Dimri and Mr. J.P. Tripathi attended; STC mail dated 06.02.19	GM informed that UPJN has not received any document regarding appointment of STC as PE from NMCG, STC mail
5	Meeting with CE UP Jal Nigam, Kanpur	08.02.19	Handed over the LOA to Chief Engineer, UPJN	By hand given to GM UPJN
6	Appointment of coordinator of Project from STC side	14.02.19	Mr. Praveen Jasoria, VP STC Jaipur will be handling this project informed vide HR, STC letter email dated 14.02.19	For co-ordination between NMCG New Delhi and STC
7	STC office Setup in Kanpur	15.02.19	Visited suitable properties for setting up STC office in Kanpur	Met advocate for lease deed
8	Official E-mail id established	16.02.19	E-mail address: stcnmcgkanpur@gmail.com	E-mail dated 16.02.19
9	Meeting with newly joined General Manager	21.02.19	Mr. CM Dimri and Mr. J.P. Tripathi attended the meeting	Due to transfer of GM - Mr. V.K. Agarwal
10	Attended meeting called by CE, Kanpur	26.02.19	Mr. CM Dimri and Mr. J.P. Tripathi attended the meeting	
11	BEP Shuklaganj, Unnao and Pankha handed over by KRMPL	26.02.19	One copy each given by KRMPL by hand	Appraised and informed to submit the revised BEP with proper survey and levels
March 2019				
SN	Description of	Date	Action Taken Status	Remarks

Work				
1	Office setup	01.03.19	Lease deed proposed	
2	Joining of office manager at STC Kanpur	04.03.19	Appointment by HR, STC Mumbai	Mr. Vivek Srivastava joined STC Kanpur office.
3	Office setup	11.03.19	Office of STC Kanpur established at 117/426 14-O block, Geeta Nagar, (opp. Anurag Hospital Sharda Nagar, Kanpur, Uttar Pradesh – 208025)	Informed GM, UPJN Kanpur
4	Meeting with General Manager, GPCU, UPJN Kanpur in their office chamber	14.03.19	Discussion regarding HAM-Kanpur work	Discussed regarding start of work; Issue of M/s KRMPL's local office address was also discussed.
5	Concessionaire Agreement / meeting	16.03.19	Meeting with PM III	Received CA on Mail from STC Mumbai;
6	Meeting at NMCG, New Delhi	19.03.19	Meeting at NMCG was attended by Mr. C.M. Dimri (PE, STC Kanpur), Mr. P. Jasoria (VP, STC) and Mr. R.S. Bhatia (Co-ord., STC Delhi)	It was discussed in the meeting that KRMPL shall submit duly surveyed and signed BEP for review (MOM NMCG dated 29.03.19)
7	Meeting with PM III rd at PMC office, GPCU, Bejajhabar, Kanpur	23.03.19	Attended meeting	Discussion regarding start of work / BEP Pankha
8	Meeting with CE, UPJN Kanpur	25.03.19	Attended meeting	Discussion regarding progress of work
9	STC's Joint inspection of Pankha site with KRMPL, UP Jal Nigam and Kanpur Development Authority (KDA) representatives	27.03.19	Inspection was carried out as per decision made in meeting dated 19.03.19 at NMCG, New Delhi	During inspection/site visit Kanpur Development Authority (KDA) representatives were not present
10	Meeting with GM	28.03.19	Met GM, UPJN Kanpur regarding Concessionaire Agreement	Discussion regarding CA was carried out

Table 7.2: Progress of Work – HAM Kanpur Project (on NMCG Performa)

Feb-2019													
Date	Name of Activity#	Date of Receipt	Date of Approval (Vet / Comment)	No. of day taken	Time as per contract (days)	Delay if any (No. of days) [7=6-5]	Reason for delay*	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concessi onaire	Reason for delay	Step taken by PE to avoid such delays	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
06.02.19	Joining of Project Engineer	-	-	0	20	-	-	Mr. CM Dimri	1+1	-	-	-	Joined and met CE/GM, UP Jal Nigam Kanpur
	Joining of O&M Engineer							Mr. J.P. Tripathi joined					
	Meeting with CE, UPJN												
07.02.19	Meeting at GMO	-	-	0	20	-	-	CMD+JPT	1+1	-	-	-	
08.02.19	Meeting with CE UP Jal Nigam, Kanpur	-	-	0	20	-	-	CMD+JPT	1+1	-	-	-	Handed over the LOA to Chief Engineer, UPJN (By hand also given to GM UPJN)
09.02.19	SECOND SATURDAY												
10.02.19	SUNDAY												
11.02.19	Attended Office	-	-	-	-	-	-	Mr. CM Dimri, Mr. J.P. Tripathi &	1+1	-	-	-	Discussion of BEP with experts

12.02.19	Attended Office	-	-	-	-	-	-	Mr. CM Dimri, Mr. J.P. Tripathi &	1+1	-	-	-	Discussion of BEP with experts
13.02.19	Attended Office	-	-	-	-	-	-	Mr. CM Dimri, Mr. J.P. Tripathi &	1+1	-	-	-	Discussion of BEP with experts
14.02.19	Attended Office	-	-	-	-	-	-	Mr. CM Dimri, Mr. J.P. Tripathi &	1+1	-	-	-	Order of Mr. Praveen Jasoria, VP STC Jaipur for the handling the project informed vide HR, STC letter email dated 14.02.19
15.02.19	Attended Office	-	-	-	-	-	-	Mr. CM Dimri, Mr. J.P. Tripathi &	1+1	-	-	-	Discussion of BEP with experts
16.02.19	Attended Office	-	-	-	-	-	-	Mr. CM Dimri, Mr. J.P. Tripathi &	1+1	-	-	-	Official E-mail id established E-mail address: stcnmcgkanpu r@gmail.com
17.02.19	SUNDA												
18.02.19	Attended Office	-	-	0	20	-	-	JPT	1	-	-	-	-
19.02.19	Attended Office	-	-	0	20	-	-	JPT	1	-	-	-	-
20.02.19	Attended Office	-	-	0	20	-	-	CMD+JPT	1+1	-	-	-	-
21.02.19	Meeting with newly	-	-	0	20	-	-	CMD+JPT	-	-	-	-	Attended the meeting (Due

	joined GM, UPJN												to transfer of GM - Mr. V.K. Agarwal)
22.02.19	Attended Office	-	-	0	20	-	-	CMD+JPT	1+1	-	-	-	Visited sites
23.02.19	Attended Office	-	-	-	-	-	-	Mr. CM Dimri, Mr. J.P. Tripathi &	1+1	-	-	-	Discussion of BEP with experts
24.02.19	SUNDAY												
25.02.19	Attended Office	-	-	0	20	-	-	CMD+JPT	1+1	-	-	-	Visited sites
26.02.19	Attended meeting called by CE, Kanpur	-	-	0	20	-	-	CMD+JPT	1+1	-	-	-	Mr. CM Dimri and Mr. J.P. Tripathi attended the meeting
27.02.19	Attended Office	-	-	-	-	-	-	Mr. CM Dimri, Mr. J.P. Tripathi &	1+1	-	-	-	Discussion of BEP with experts
28.02.19	Attended Office	-	-	-	-	-	-	Mr. CM Dimri, Mr. J.P. Tripathi &	1+1	-	-	-	Discussion of BEP with experts
Total									21+23				
March-2019													
01.03.19	Attended Office	-	-	0	20	-	-	Mr. CM Dimri & Mr. J.P. Tripathi	1+1	-	-	-	Lease deed proposed & discussed
02.03.19	Attended Office	-	-	0	20	-	-	Mr. CM Dimri & Mr. J.P. Tripathi	1+1	-	-	-	Visited sites
03.03.19	SUNDAY												

04.03.19	Attended Office	-	-	0	20	-	-	Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava	1+1+1	-	-	-	Appointment by HR, STC Mumbai (Mr. Vivek Srivastava joined STC Kanpur office)
05.03.19	Attended Office	-	-	0	20	-	-	Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava	1+1+1	-	-	-	-
06.03.19	Attended Office	-	-	0	20	-	-	Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava	1+1+1	-	-	-	-
07.03.19	Attended Office	-	-	0	20	-	-	Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava	1+1+1	-	-	-	-
08.03.19	Attended Office	-	-	0	20	-	-	Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava	1+1+1	-	-	-	-
09.03.19	Attended Office	-	-	0	20	-	-	Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava	1+1+1	-	-	-	Comparative sent to STC Jaipur

10.03.19	SUNDAY												
11.03.19	Attended Office	-	-	0	20	-	-	Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava	1+1+1	-	-	-	-
12.03.19	Attended Office	-	-	0	20	-	-	Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava	1+1+1	-	-	-	-
13.03.19	Attended Office	-	-	0	20	-	-	Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava	1+1+1	-	-	-	-
14.03.19	Meeting with General Manager, GPCU, UPJN Kanpur in their office chamber	-	-	0	20	-	-	Mr. CM Dimri & Mr. J.P. Tripathi	1+1	-	-	-	Discussed regarding start of work; Issue of M/s KRMPL's local office address was also discussed.
15.03.19	Attended Office	-	-	0	20	-	-	Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava	1+1+1	-	-	-	-
16.03.19	Concessionaire	-	-	0	20	-	-	Mr. CM Dimri & Mr. J.P.	1+1	-	-	-	Meeting with PM III UPJN

	Agreement / meeting							Tripathi					Kanpur. Received CA on Mail from STC Mumbai
17.03.19	SUNDAY												
18.03.19	Attended Office	-	-	0	20	-	-	Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava	1+1+1	-	-	-	Progress report Prepared for meet
19.03.19	Meeting at NMCG, New Delhi by DG	-	-	0	20	-	-	Mr. CM Dimri Mr. P. Jasoria Mr. R.S. Bhatia	1	-	-	-	It was discussed in the meeting that KRMP shall submit duly surveyed and signed BEP for review (MOM NMCG dated 29.03.19)
20.03.19	HOLI-HOLIDAYS												
21.03.19	HOLI-HOLIDAYS												
22.03.19	Attended Office	-	-	0	20	-	-	Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava	1+1+1	-	-	-	Discussion of CA paras
23.03.19	Meeting with PM III rd GPCU, Benajhabar, Kanpur	-	-	0	20	-	-	Mr. CM Dimri & Mr. J.P. Tripathi	1+1	-	-	-	Discussion regarding start of work / BEP Pankha

24.03.19	SUNDAY													
25.03.19	Meeting with CE, UPJN Kanpur	-	-	0	20	-	-	Mr. Dimri & Mr. J.P. Tripathi	CM	1+1				Discussion regarding progress of work/BEP's.
26.03.19	Attended Office	-	-	0	20	-	-	Mr. Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava	CM	1+1+1	-	-	-	Discussion of CA paras.
27.03.19	STC's Joint inspection of Pankha site with KRMPL, UP Jal Nigam and Kanpur Development Authority (KDA) representatives	-	-	0	20	-	-	Mr. Dimri	CM	1	-	-	-	Inspection was carried out as per decision made in meeting dated 19.03.19 at NMCG, New Delhi. In inspection /site visit KDA representatives were not present
28.03.19	Meeting with GM GPCU UPJN Kanpur	-	-	0	20	-	-	Mr. Dimri & Mr. J.P. Tripathi	CM	1+1	-	-	-	Regarding Concessionaire Agreement, Clauses
29.03.19	Attended Office	-	-	0	20	-	-	Mr. Dimri & Mr. J.P. Tripathi	CM	1+1	-	-	-	Discussion on CA
30.03.19	Attended Office	-	-	0	20	-	-	Mr. Dimri & Mr. J.P. Tripathi	CM	1+1	-	-	-	Discussion on CA

31.03.19	SUNDAY												
Total										30+31+28			

Abbreviation used: J-Jal Nigam letter no. /K-KRMPL letter no. /N- NMCG letter no. / S-STC letter no

8 LIST OF LETTERS

Details of letters during Feb-March 2019 are given in below table and also attached in **annexure 5**. It is related to the 210 MLD Bingawan handing over including all existing infrastructure under CA for development of sewage Treatment Plant on HAM based PPP mode at Kanpur have been received.

Table 8.1: Inward Letter

SN	Date	Letter No.	Subject	Received Date
1	25.03.19	w-37/16	Handing over of 210 MLD Bingawan STP including all existing infrastructure under CA for development of sewage Treatment Plant on HAM based PPP mode at Kanpur	26.03.19
2	30.03.19	K/29	Handing over of 210 MLD Bingawan STP Including all existing infrastructure under CA for development of sewage Treatment Plant on HAM based PPP mode at Kanpur	30.03.19

Table 8.2: Outward Letter

SN	Date	Sent to	Place	Subject
1	06.02.19	GM, UPJN	Kanpur	LOA
2	20.02.19	VP, Northern Region	Jaipur	New joining
3	23.02.19	VP, STC	Jaipur	Equitation of office space at Kanpur
4	15.03.19	GM, UPJN	KNP	Mobilization of Staff
5	15.03.19	GM, UPJN	KNP	Establishment of Kanpur office
6	16.03.19	PM, UPJN	KNP	CA of STP Kanpur
7	28.03.19	KRMPL	KNP	Establishment of Kanpur office
8	28.03.19	GM, UPJN	KNP	Handing over of Bingawan STP

9 MINUTES OF MEETING

Minutes of meeting pertaining to the HAM Kanpur project for Feb-March 2019 have been attached in **Annexure 6**.

10 MOBILIZATION PLAN

Mobilization plan for Feb – March 2019 is given below:

Present

Name	Designation	Joining Date
Mr. CM Dimri	Sr. Civil Engineer	06.02.19
Mr. JP Tripathi	O&M Engineer	06.02.19
Mr. Vivek Srivastava	Office Manager	04.03.19

Next Month

Name	Designation	Joining Date
Mr. Shiv Tripathi	Support Engineer	10.04.19
Mr. Satish Kamaraju	Sr. Process Expert	04.04.19
Mr. Prasoon Bhardwaj	Sr. Instrumentation Expert	17.04.19
Mr. Anil Seth	Sr. Electrical Expert	17.04.19
Mr. Sunil Basutkar	Sr. Mechanical Expert	17.04.19

ANNEXURES

Annexure 1: Site Visit Photographs



Sajari 42 MLD STP (ASP)



130 MLD Jajmau STP



130 MLD Jajmau STP



Bingawan 210 MLD UASB STP

Annexure 2: Pictures of STP facilities under HAM Kanpur

Unnao STP facility Site

Unnao STP Site



130 MLD Jajmau STP facility

Renovation with O&M for 15 years for:

- 130 MLD Jajmau STP facilities (Phase-I)



- Not Handed Over due to labour problems
- CTO : Applied but not received

210 MLD Bingawan STP facility

Renovation with O&M for 15 years for:

- 210 MLD UASB based Bingawan STP facilities.



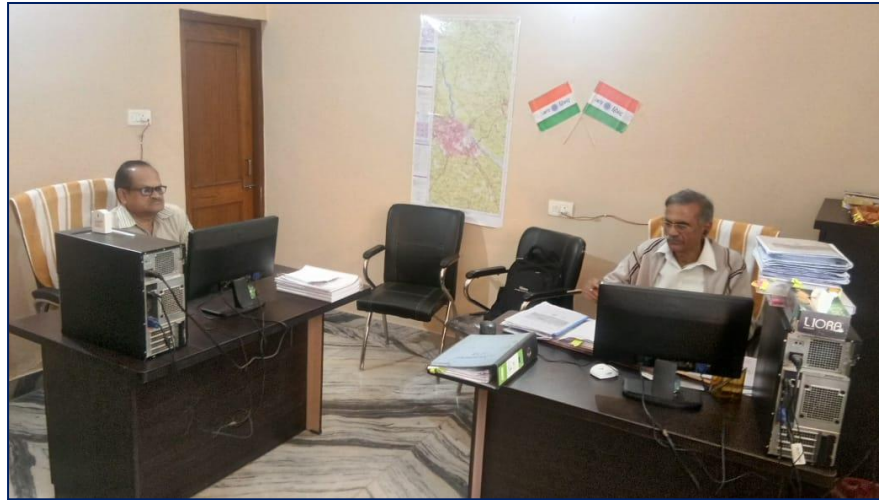
43 MLD Sajari STP facility

O&M for 15 years for:

- ❖ 42 MLD ASP based Sajari STP O&M; and
- ❖ Jajmau 43 MLD STP Phase-II.



Annexure 3: STC Kanpur Office and Staff



Annexure 4: List of Letters

Inward Letters

S.NO.	DATE	FROM	Location	LETTER NO	SUBJECT
1	25.03.2019	UPJN	BINGAWAN	W-37/16	INCLUDING ALL EXISTING INFRASTRUCTURE UNDER CONCESSION AGREEMENT FOR DEVELOPMENT OF SEWAGE TREATMENT PLANT ON HYBRID ANNUITY PPP BASIS AT KANPUR UP.
2	30.03.2019	KRMPL	BINGAWAN	KNP/29	HANDING OVER 210 MLD STP AT BINGAWAN UNNAO STP AND APPURTENANT WORKS. INCLUDING ALL EXISTING INFRASTRUCTURE UNDER CONCESSION AGR.

Outward Letters

Serial No. क्रम संख्या	Month & Date माह तथा दिनांक	To Whom Sent किसको प्रेषित किया	Place स्थान	FILE Name/ Subject विषय	File No. फाइल नं०	Received Stamp प्राप्त टिकट		Postage डाक खर्च		Total & Daily Balance योग तथा प्रतिदिन का शेष		Remarks विशेष विवरण
						Rs. ₹	P. ₹	Rs. ₹	P. ₹	Rs. ₹	P. ₹	
1-	6/2/19	GM, Chef-	KNP	LOA								
2	20/1/19	VP, North Region		Pr. new joining								
3	16/3/19	Project Manager.	Kanpur.	Concession Agreement of STP Kanpur.								
4-	23/2/19.	VP - STC	Kanp.	Acquisition of office space at Kanp.								
5	15/3/19	General Manager	Kanpur.	Mobilisation — 8 to ff.								
6-	15/3/19	GM	Kanp.	STC office at Kanp.								
7-	26/3/19	KRMPL	Kanp.	Establish office at Kanp.								
8-	28/3/19	GM	Kanp.	Handing over of 210 MLD Bingawan STP and Associated Inf.								

Annexure 5: Minutes of Meeting

Record of Discussions in the meeting for review of progress of Kanpur STP Project under HAM in the State of Uttar Pradesh, held under the Chairmanship of Executive Director (Project), NMCG at NMCG Office on 19th March 2019.

19-3-19

1. List of participants is enclosed in Annexure-I.
2. Executive Director (Projects) informed that the Concession Agreement was signed on 21st December 2018 and all parties have to fulfill Condition Precedent within 120 days from the signing of the Concessionaire Agreement that is on or before 20th April 2019. The Concessionaire informed that they have submitted Basic Engineering Package(BEP) for 15 MLD STP at Unnao and 5 MLD STP at Shuklaganj , Construction & Rehabilitation plan and EHS Documents to UP Jal Nigam in soft copy and is yet to submit the hardcopy. The BEP for 30 MLD STP in Pankha is yet to be submitted. Also it was informed that Concessionaire is considering revision of submitted documents. It was observed that there are gaps in communication between UP Jal Nigam, Concessionaire and the Project Engineer. Up Jal Nigam informed that since the Concessionaire has not submitted the drawings in hard copy they are yet to send the documents to IIT/Project Engineer (Shah Technical Consultants). In view of this ED(Projects) directed that Up Jal Nigam, the Concessionaire and the Project Engineer should proactively to approve the BEP and Phase 1 drawings at the earliest to announce the effective date. The Concessionaire shall submit the revised BEP within 2 weeks' time that is before 2nd April 2019.
3. Up Jal Nigam shall sort out the issues related to hand over of land in Pankha to the Concessionaire and demarcate the land by 26th March 2019. In Unnao and Shuklaganj the land shall be handed over to the Concessionaire for Geo technical Investigations.
4. It was also instructed that the Concessionaire to prepare and submit all the documents required by UP Jal Nigam for seeking Consent to Establish (CTE) from UP Pollution Control Board. Also UP Jal Nigam may initiate the proceedings for seeking the permissions for railway crossing, highway crossing, tree cutting and any other statutory approvals as required and provide to the Concessionaire at least 30 days prior to the scheduled date of construction as per the approved construction plan. Required with UPJN.
5. It was informed to the Concessionaire that safety and quality are prime concerns of the project and Concessionaire shall ensure both during delivery of the project. Concessionaire shall follow the ESHS standard and maintain all applicable Insurance Policies.
6. It was brought to the notice that
7. The Meeting ended with vote of thanks to the chair.

