

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

Jul – 11th October 2019



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



Funding Agency
National Mission for
Clean Ganga
MoWR, River
Development & Ganga
Rejuvenation,
New Delhi



Project Engineer
Shah technical Consultar
Pvt. Ltd.
7/426 14-O block,
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Concessionaire
Kanpur River Management
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ABBREVIATIONS

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
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
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.

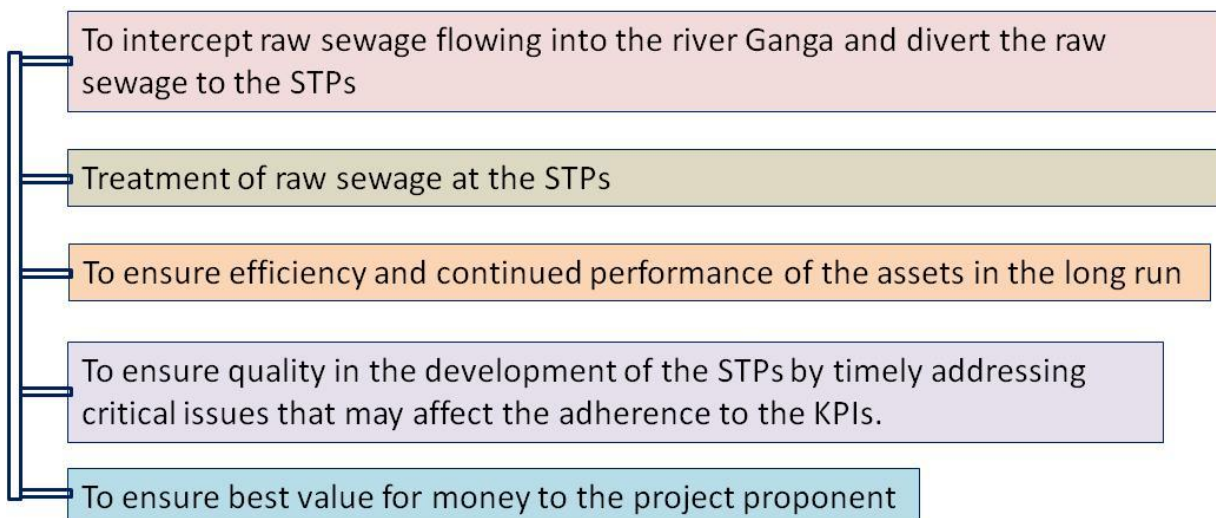


Figure 1: Objectives of NMCG and UP JAL NIGAM

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 CSPA	-	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 / CONDITION PRECEDENTS

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 CONDITIONS PRECEDENT TO BE SATISFIED BY THE CONCESSIONAIRE

SN	Facilities that need to be constructed or renovated	Name of the Site	Status/Remarks
1	Submit the Phase I Designs and Drawings to the Jal Nigam for its approval in accordance with Article 7;	Pankha	Pankha STP BEP excluding structural and electrical incorporating STC comments approved by IITR. Stamped approval expected to be done in near future.
			Boundary wall drgs approved by UPJN by 31.08.19 Process design including GAs on Pankha Facilities approved by UPJN by 31.08.19.
		Unnao	BEP drawings excluding structural and electrical duly approved by IITR (16.08.19). To be approved by UPJN.
			Boundary wall drgs approved by UPJN by 31.08.19. Rest in progress.
		Shuklaganj	BEP drawings excluding structural and electrical duly approved by IITR (08.08.19). To be approved by UPJN.
			Shuklaganj site has been changed by UPJN on 19.08.19 in view of objection from UPPCB on the selected location by UPJN for its proximity to river Ganga
		Jajmau STP 1	Consensus compliance duly signed with hard copies of drawings submitted to UPJN on 23.07.19 for forwarding to IITR. IITR has indicated in writing that they would not be able to review any drawing and

			design beyond STPs at Shuklaganj, Unnao and Pankha till they receive advance or NMCG writes to Director of IITR. This constitutes only approx. 25% of the total estimated construction value wise.				
			Under process				
i.	Prepare the Construction / renovation Plan for these Facilities within 30 days from the Appointed Date and submit the Construction Plan to the Jal Nigam for its approval in accordance with Article 7.3;	<table border="1"> <tr><td>Pankha</td></tr> <tr><td>Unnao</td></tr> <tr><td>Shuklaganj</td></tr> <tr><td>Jajmau STP 1</td></tr> </table>	Pankha	Unnao	Shuklaganj	Jajmau STP 1	Approved by UPJN for Pankha and Jajmau STP 1 on 30.08.19. Recommended by STP for approval on 30.08.19 for Unnao and Shuklaganj, under approval at UPJN, Lucknow.
Pankha							
Unnao							
Shuklaganj							
Jajmau STP 1							
ii.	Submit the ESHS Documents 45 days before the Effective Date to the Jal Nigam for its approval in accordance with Article 7.4;	<table border="1"> <tr><td>Pankha</td></tr> <tr><td>Unnao</td></tr> <tr><td>Shuklaganj</td></tr> <tr><td>Jajmau STP 1</td></tr> </table>	Pankha	Unnao	Shuklaganj	Jajmau STP 1	Approved for all Facilities by UPJN on 30.08.19. Recommended by STP on 30.08.19 for Shuklaganj and Unnao, under approval at UPJN Lucknow.
Pankha							
Unnao							
Shuklaganj							
Jajmau STP 1							
iii.	Execute and provide copy(ies) to the Jal Nigam of the technology license agreement(s) executed with the Selected Bidder or the third party technology supplier(s) for setting up the Pankha, Unnao and Shuklaganj Facilities;		Agreement executed.				
iv.	Submit to the Jal Nigam a certificate, duly attested by a Director, certifying due and satisfactory inspection/verification Of Jajmau STP 1 to be renovated and expressing its unconditional undertaking to renovate/repair the same without any defects/defaults under this Agreement.		Contractors workers at Jajmau plant are not allowing concessionaire personnel to visit the plant for inspection and survey since 29.07.19 KRMPL informed that it Shall be provided by 4.09.19				
B	For Jajmau Phase 1 Facilities and Sajari Facilities, before Effective Date	Submission	Status/Remarks				
i.	Submit O&M Manual 30 days before the Effective Date for these facilities for obtaining Jal Nigam's written						

	approval in accordance with Article 8.2;		
a	Jajmau	Not needed before effective date. Needed before COD	
b	Sajari	O&M Manual sent for approval to UPJN by STC on dated 28.05.19	Manual on Sajari approved on 10.06.19
c	Bingawan	Submitted on 31.05.19 by the Concessionaire. Comments by STC on 07.06.19. Reminders on 2nd July, 10th July and 14th Aug. Concessionaire committed to resubmit on 06.09.19	TSS at outlet was within limits other than 2 days since KRMPL took over independent operation of the Plant from 16.07.19. Those 2 days value was 60mg/l But COD not controlled. KRMPL is required to study the impact if any on the outlet COD and report improvement required, if any, by 15 th September, 2019
	Submit the ESHS Documents 45 days before the Effective Date to the Jal Nigam for its approval in accordance with Article 7.4;		
a	Jajmau	Submitted and principally found OK by STC with some comments.	Sent to UPJN
b	Sajari	Submitted and principally found OK by STC with some comments.	Sent to UPJN

	Submit to the Jal Nigam a certificate, duly attested by a Director, certifying due receipt of the above mentioned Facilities in a satisfactory condition latest by Effective Date;		
a	Jajmau	Awaited (Taken over for O&M wef 30.05.19 conditionally as per jointly signed mom)	
b	Sajari		Taken over for O&M wef 30.05.19 conditionally as per mom signed jointly
c	(Bingawan)*	Critical work including closing of boundary wall, construction of corridor for Mazar which is inside the plant and repair of DGF is pending. Trial run done on 18th and 19th June. TSS was not met within guaranteed level during trial run. Plant conditionally taken over from 8.8.19 Certificate to be issued after completion of balance work. Currently the plant is under renovation.	Submitted on 31.05.19 by the Concessionaire. Bingawan manual may be approved subject to incorporation of few points which has been complied and letter sent to UPJN on 17.08.19. Concessionaire committed to resubmit on 06.09.19.
	Any other condition or obligation mutually agreed to be treated as Concessionaire's Condition Precedent;	-	

	Prepare the Construction/renovation Plan, if any, for these Facilities within 30 days from the Appointed Date and submit the Construction Plan to the Jal Nigam for its approval in accordance with Article 7.3.	-	
C	Additionally, for the overall infrastructure in Kanpur	Status/Remarks	
i.	Execute the Substitution Agreement with the Jal Nigam, NMCG and the Lenders the agreed form set out at Schedule 3;	Submitted to NMCG on 02.09.19 for signature of NMCG and UPJN	
ii.	Submit to the Jal Nigam certified true copies of all resolutions adopted by the board of directors of the Concessionaire, authorizing execution, delivery and performance of this Agreement, Substitution Agreement and the Escrow Agreement by the Concessionaire;	Submitted on 08.05.19	
iii.	Any other condition or obligation mutually agreed to be treated as Concessionaire's Condition Precedent;	-do-	
iv.	<p>Obtain all Concessionaire Applicable Permits that are required for achieving Financial Close and for commencement of construction/renovation of the Facilities at its own cost and expense and if such Concessionaire Applicable Permits are subject to any conditions, then, to the extent relevant, comply with all such conditions, such that the Concessionaire Applicable Permits are and shall be kept in full force and effect for the entire Construction Period, or such longer period as may be required under Applicable Laws;</p> <ul style="list-style-type: none"> • Temporary power supply • Consent for storage of hazardous material • Consent Fire fighting system 	<ul style="list-style-type: none"> • Application to EB submitted. In the meantime, construction work is being planned to be undertaken using DG sets. • Not applicable • Not applicable 	
v.	Achieve Financial Close and submit a copy of the Financing Documents and the Financial Package to the Jal Nigam, duly certified by a director of the Concessionaire within 120 days of the Appointed Date;	Sanction letter from lender with T&C submitted on 18.04.19. Signed Agreement soft copy submitted on 30.08.19	
vi.	Execute a Shareholders' Agreement amongst the shareholders of the Concessionaire, and deliver to the Jal Nigam a certified true copy of the Shareholders' Agreement (attested by a director of the Concessionaire);] 2	Submitted on 05.08.19	
vii.	Execute the Escrow Agreement with the Jal Nigam, NMCG, and the Escrow Bank in the agreed form set out at Schedule 4;	Signed by Concessionaire on 04.07.19	

viii.	Submit to the Jal Nigam certified true copies of the constitutional documents of the Concessionaire;	Submitted on 18.04.19
ix.	<p>Submit to the Jal Nigam a legal opinion stating that:</p> <ul style="list-style-type: none"> i. this Agreement, the Substitution Agreement and the Escrow Agreement have been duly executed and are legally valid, binding and enforceable in accordance with their terms against the Concessionaire; and ii. all actions, conditions and things required by Applicable Laws to be taken, fulfilled and done (including the obtaining of any necessary Concessionaire Applicable Permits and resolutions of the board of directors) in order for the Concessionaire to enter into and comply with its obligations under this Agreement, the Substitution Agreement and the Escrow Agreement have been taken, fulfilled or done. 	Shall be submitted by 09.09.19 (after signing of Substitution Agreement)
x.	Submit to the Jal Nigam a certificate, duly attested by a director, certifying the shareholding pattern of the Concessionaire.	Submitted on 18.04.19

6.2 BASIC ENGINEERING PACKAGE (BEPs) AND OTHER DETAILS

Detail Status of BEPs & other are given in following table 6.2:

Table 6.1: BEPs and other details

SN	Particulars	Status	
1.	BEPs (except structure design & drawings)	Revised project schedule for Pankha, Shuklaganj, Jajmau & Unnao-Submission vetted & sent to UPJN for approval on 10.07.19 Shuklaganj BEP-Vetted & appraised on 08.08.19	
	<ul style="list-style-type: none"> • Process 		
	<ul style="list-style-type: none"> • Mechanical 		
	<ul style="list-style-type: none"> • Electrical & instrumentation 		
2.	BEP Structure Design & Drawings	BEP Unnao Boundary wall-Vetted On 12.08.19 BEP Unnao-Vetted & sent for approval on 22.08.19 Boundary wall, ESHS & Construction plan submissions-vetted & sent for approval to UPJN on 28.08.19 Pankha structure boundary wall-Vetted & sent to UPJN for further action on 29.08.19 BEP Unnao structure design-vetted on 03.10.19 BEP Pankha Str. Design-vetted on 07.10.19	
	Compound wall, MPS, PTU, C-Tech basin, CCT, Sludge Thickener, Supernatant sump, Centrifuge building, admin building, Staff quarters, Guard room)		
3.	Construction Plan		
4.	Sewer Network/Line Design		
5.	Topo, Geo tech & survey reports		
6.	ESHS Plan		ESHS approval-Already vetted by STC. Approved by UPJN on 26.09.19
7.	Scope of Work- O&M		O&M manual Jajmau- appraised on 13.05.19 Sajari STP-Handed over to KRMPL on 29.05.19 O&M manual Sajari- vetted on 01.06.19

7 PROGRESS OF WORK

As per the provision of Concessionaire Agreement, effective date of the project was to be declared before 19th April 2019. Till end of the Oct 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 & table 7.2:**

Table 6.1: Progress of Work

July-2019					
SN	Activity / Work	Date	Action Taken Status	Remarks	
1	Meeting at NMCG New Delhi	01.07.19	Mr. CM Dimri attended	Review meeting of the progress	
2	Meeting with PM-III	08.07.19	Mr. JP Tripathi attended	Review of Bingawan STP	
3	Meeting with PM/director KRMPL	09.07.19	Mr. CM Dimri attended	ESHS & construction plan	
4	Meeting & technical discussion with PM-I	12.07.19	Mr. CM Dimri attended	Discussion on Jajmau BEP- 130MLD	
5	Sajari site safety inspection	26.07.19	Mr. LK Rao inspected	visited site & observed that concessionaire is not following majority of ESHS rule & regulations	
August-2019					
SN	Activity / Work	Date	Action Taken Status	Remarks	
1	Meeting with GM	01.08.19	Mr. CM Dimri attended	Progress review of Bingawan STP	
2	Site investigation Shuklaganj	03.08.19	Mr. SP Tripathi inspected	Geo tech survey with HBTU	
3	Meeting at UPJN Kanpur-Sajari & Bingawan	21.08.19	Mr. JP Tripathi attended	Compliance report submitted review by CE-K	
4	Review meeting by NMCG at New Delhi	23.08.19	Mr. CM Dimri attended	MOM of review meeting	
5	Meeting with GM	29.08.19	Mr. CM Dimri attended	Review of BEP Pankha	
September- 2019					
SN	Activity / Work	Date	Action Taken Status	Remarks	

1	Meeting with CE-K	02.09.19	Mr. CM Dimri attended	Progress reviewed reading effective date
2	Meeting with GM	05.09.19	Mr. CM Dimri attended	CPs discussion
3	Meeting with KRMPL	05.09.19	Mr. CM Dimri attended	CPs discussion
4	Meeting by CE-K	18.09.19	Mr. CM Dimri attended	Discussion with EE UPJN Unnao
5	Meeting with PM-I	21.09.19	Mr. CM Dimri attended	Discussion with KRMPL about Jajmau
October- 2019				
SN	Activity / Work	Date	Action Taken Status	Remarks
1	Meeting by GM	05.10.19	Mr. CM Dimri attended	Discussion about labour license, RTOLMS

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

Jul-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)
01.07.19	Meeting at NMCG New Delhi	-	-	0	20	-	-	Mr. CM Dimri	1	-	-	-	Review meeting of the progress
02.07.19	O&M manual of Bingawan	-	02.07.19 S-70	0	20	-	-	Mr. JP Tripathi	1+1+1	-	-	-	Asked to resubmit O&M manual.
	BEP Pankha	10.07.19 J-w-20/192	10.07.19 S-79	0	20	-	-	Mr. CM Dimri & Mr. SP Tripathi		-	-	-	Submission is incomplete. asked to submit mass balance with formatting.
03.07.19	Concessionaire rights & obligation	-	03.07.19 S-73	0	20	-	-	Mr. JP Tripathi	1	-	-	-	Draw attention of UPJN towards Art. 8.4(b) & 8.7 of CA
04.07.19	Monitoring & reporting by Concessionaire during O&M	-	04.07.19 S-74	0	20	-	-	Mr. JP Tripathi	1	-	-	-	Draw attention of UPJN towards Art. 8.8 of CA and advised UPJN to ask Concessionaire for compliance

05.07.19	Taken over Bingawan facility	05.07.19 K-108	05.07.19 S-75	0	20	-	-	Mr. JP Tripathi	1	-	-	-	Asked to refer our letter no. S-61/17.06.19
06.07.19	Handing over Sajari facility	-	06.07.19 S-77	0	20	-	-	Mr. JP Tripathi	1+1	-	-	-	Asked UPJN for necessary action
	Pankha structure blower room/ CCT	06.07.19 K-109	Seen on 06.07.19	0	20	-	-	Mr. CM Dimri		-	-	-	Asked to STAAD- pro, file for review & appraisal. (telephonic)
	BEP Jajmau	20.06.19 J-w-20/183	06.07.19 S-78 & 19.06.19 S-62	16	20	-	-	Mr. CM Dimri		-	-	-	asked to submit column wise format for review of compliance
07.07.19	SUNDAY												
08.07.19	Bingawan STP	-	-	0	20	-	-	Mr. JP Tripathi	1	-	-	-	Meeting with PM-III about O&M
09.07.19	ESHS & construction plan	-	-	0	20	-	-	Mr. CM Dimri	1	-	-	-	Meeting with PM/director KRMPL
10.07.19	O&M Sajari: online analyser	10.07.19 J-w-20/228 K-113	11.07.19 S-81	1	20	-	-	Mr. JP Tripathi	1+1+1	-	-	-	Draw attention of UPJN towards Art. 1.2(n) & 8.8 of CA
	Sajari Facilities effective date	10.07.19 K-115	16.07.19 S-91	6	20	-	-	Mr. JP Tripathi		-	-	-	Conveyed UPJN that there is no point of fixing ED for Sajari separately

	O&M manual of Bingawan facility	-	10.07.19 S-80	0	20	-	-	Mr. SP Tripathi		-	-	-	Asked to refer S-53/07.06.19 also requested copy of handed over note
	Revised project schedule- Pankha, Shuklaganj, Jajmau & Unnao	11.07.19 J-w-20/227	comment on 11.07.19	0	20	-	-	Mr. CM Dimri		-	-	-	Submission vetted & sent to UPJN for approval
11.07.19	Clarification on discrepancies in certain clauses of CA	-	11.07.19 S-84	0	20	-	-	Mr. JP Tripathi	1+1+1	-	-	-	Draw attention of NMCG towards Art. 3.8(a), 3.8(b) & 3.8(c) of CA
	COD for Sajari facility	11.07.19 K-116	16.07.19 S-92	5	20	-	-	Mr. JP Tripathi		-	-	-	Asked concessionaire to comply our letters then only COD for Sajari may be considered
	Review of BEP structure Pankha	11.07.19 K-117	12.07.19 S-86	1	20	-	-	Mr. SP Tripathi		-	-	-	Incomplete submission
	Pankha structure admin bldg.	11.07.19 K-118	comment on 11.07.19	0	20	-	-	Mr. CM Dimri		-	-	-	Asked to STAAD- pro file for review & appraisal.
	Revised BEP	04.07.19	11.07.19	7	20	-	-	Mr. SP		-	-	-	Point wise

	Jajmau	(26.06.19 J-w-20/183)	S-83					Tripathi					comment sent on BEP. asked to revise BEP & submit
12.07.19	Jajmau BEP-130MLD	-	-	0	20	-	-	Mr. Dimri CM	1	-	-	-	Meeting & technical discussion with PM-I
13.07.19	SECOND SATURDAY												
14.07.19	SUNDAY												
15.07.19	Insurance during the O&M period for 210MLD Bingawan	-	15.07.19 S-89	0	20	-	-	Mr. JP Tripathi	1+1	-	-	-	Refer Art. 11.2(a)
	compliance report of Jajmau STP	-	15.07.19 S-88 & 19.06.19 S-62	0	20	-	-	Mr. SP Tripathi		-	-	-	asked to decide a date for discussion on BEP Jajmau
16.07.19	Sajari facilities-COD & ED	10.07.19 K-115	16.07.19 S-91 S-92	0	20	-	-	Mr. JP Tripathi	1	-	-	-	Comments on COD & ED sent
17.07.19	BEP Jajmau & Unnao	-	-	0	20	-	-	Mr. AK Seth	1	-	-	-	SEE comments
18.07.19	Construction plan for Sajari & Bingawan facilities	-	18.07.19 S-93	0	20	-	-	Mr. SP Tripathi	1	-	-	-	Asked KRMPL to submit separate con. Plan for each facilities
19.07.19	STAAD Pro files Pankha & Unnao	-	19.07.19 By STC mail	0	20	-	-	Mr. Dimri CM & Mr. AK Seth	1+1	-	-	-	Asked to submit STAAD Pro files Pankha & Unnao for

													review
20.07.19	BEP (R2) Unnao	24.06.19 K-98 (incomplete submission)	20.07.19 S-95	26	20	-	-	Mr. CM Dimri	1	-	Sending soft copy delayed	Sent Continuous reminder to KRMPL	electrical comment sent
	BEP (R1) Jajmau	06.07.19 K-112	20.07.19 S-97	14	20	-	-	Mr. CM Dimri		-	-	-	asked for compliance for comment
21.07.19	SUNDAY												
22.07.19	Sajari facility O&M payment	22.07.19 J-w-20/249	30.07.19 S-106	8	20	-	-	Mr. JP Tripathi	1	-	-	-	Draw attention of UPJN towards CA clause 3.8(b),1.2(m), 2.10 & 2.11
23.07.19	Jajmau, Bingawan & Sajari- O&M	23.07.19 K-121	23.07.19 S-101	0	20	-	-	Mr. Priyesh Shukla	1+1	-	-	-	Letter from UPJN-w-20/244 not received in our office
	Bingawan site Safety inspection by STC expert	-	23.07.19 S-100	0	20	-	-	Mr. JP Tripathi		-	-	-	Asked to comply our advise/comment
24.07.19	Pankha line design	-	-	0	20	-	-	Mr. CM Dimri	1	-	-	-	Discussions
25.07.19	BEPS- Unnao/ Pankha	-	-	0	20	-	-	Mr. CM Dimri	1	-	-	-	Discussion with director KRMPL
26.07.19	Sajari site safety inspection	-	29.07.19 S-105	0	20	-	-	Mr. LK Rao	1	-	-	-	visited site & observed that concessionair

													e is not following majority of ESHS rule & regulations
27.07.19	STAAD Pro files Pankha & Unnao	-	27.07.19 S-102	0	20	-	-	Mr. CM Dimri	1	-	-	-	Asked to submit STAAD Pro files Pankha & Unnao for review
28.07.19	SUNDAY												
29.07.19	Renovation plan for Bingawan	29.07.19 K-124	31.07.19 S-107	2	20	-	-	Mr. JP Tripathi	1	-	-	-	Raised comments asked to resubmit renovation plan
30.07.19	O&M Sajari –Insurance policy & ESHS compliance	31.07.19 K-126	31.07.19 S-109	0	20	-	-	Mr. JP Tripathi	1	-	-	-	Informed GM that concessionaire statement is not acceptable
Total									31+31+28+10+9+2				
Aug-2019													
01.08.19	O&M Sajari	-	01.08.19 S-113	0	20	-	-	Mr. JP Tripathi	1+1	-	-	-	Comply previous comment vide letter no. S-106 & S-49
	Meeting with GM	-	-	0	20	-	-	Mr. CM Dimri		-	-	-	Progress review of Bingawan STP

02.08.19	O&M Sajari payment	31.07.19 K-128	02.08.19 S-114	3	20	-	-	Mr. JP Tripathi	1+1	-	-	-	Comment already sent S-106/30.07.19
	Clarification on discrepancies in CA	-	02.08.19 S-115	0	20	-	-	Mr. JP Tripathi		-	-	-	Comment sent to NMCG for review of mention clauses
03.08.19	compliance report of structure design-CTech, CCT and Compound wall, BEP Unnao	03.08.19 K-128 (mail of soft copies received on 06.09.19)	under review (final comment sent on 10.09.19)	4	20	-	-	Mr. CM Dimri	1+1	-	-	-	Incomplete submission. asked to submit soft copies, STAAD pro file (final submission reviewed & vetted 10.09.19)
	Geo tech survey Shuklaganj	-	-	0	20	-	-	Mr. SP Tripathi		-	-	-	Site investigation with HBTU
	Sewerage network Unnao	KRMPL mail on 30.07.19	03.08.19 S-120	4	20	-	-	Mr. CM Dimri		-	-	-	asked to submit files for review
04.08.19	SUNDAY												
05.08.19	Pankha Geo tech report	05.08.19 (05.06.19 J-w-20/127)	05.08.19 S-122 (07.06.19 S-54)	0	20	-	-	Mr. CM Dimri	1	-	-	-	Previous submission was incomplete. Geo Tech comments sent for compliance

06.08.19	Attended office			0	20			Mr. JP Tripathi Mr. CM Dimri	1+1				Discussion on project related work
07.08.19	O&M Sajari	07.08.19 K-134	08.08.19 S-125	1	20	-	-	Mr. JP Tripathi	1	-	-	-	Comment on Electricity bills.
08.08.19	Shuklaganj BEP	-	-	0	20	-	-	Mr. CM Dimri	1	-	-	-	Vetting & appraised
09.08.19	Clarification on discrepancies in CA	09.08.19 K-137	09.08.19 S-126	0	20	-	-	Mr. CM Dimri	1	-	-	-	Asked to refer Art.1.2 (i,m,n)
10.08.19	Sewerage network design Pankha	10.08.19 K-140	21.08.19 S-134	11	20	-	-	Mr. JP Tripathi	1	-	-	-	Submission reviewed. Asked to submit corrected designs
11.08.19	SUNDAY												
12.08.19	BEP Unnao-Boundary wall	-	-	0	20	-	-	Mr. CM Dimri	1	-	-	-	Vetted
13.08.19	Meeting at lucknow	-	-	0	20	-	-	Mr. CM Dimri	1	-	-	-	Review meeting by principal Secy UP govt.
14.08.19	Revised O&M manual Bingawan		14.08.19 S-127	0	20	-	-	Mr. JP Tripathi	1	-	-	-	Asked to refer our letters S-53 & 70. asked to resubmit O&M manual
15.08.19	INDEPENDANCE DAY												
16.08.19	Insurance	-	16.08.19	0	20	-	-	Mr. JP		-	-	-	Asked to refer

	policy for Sajari & Bingawan		S-129					Tripathi					our letter no. S-89/112 required insurance policy & joining report of ESHS team
	Pankha structure – blower room & admin bldg.	16.08.19 (11.07.19 K-109 K-118)	16.08.19 S-128	0	20	-	-	Mr. CM Dimri		-	-	-	Submission reviewed. comments sent for compliance
17.08.19	Resubmission of renovation plan of Bingawan	-	17.08.19 S-130	0	20	-	-	Mr. JP Tripathi		-	-	-	resubmit renovation plan of Bingawan
	Sewerage network & str. design Pankha	17.08.19 J-w-20/179	comment on 17.08.19	0	20	-	-	Mr. P Walunjkar	1+1	-	-	-	Vetting by SES
18.08.19	SUNDAY												
19.08.19	Renovation of Bingawan RTOLMS	30.08.19 K-145	30.08.19 S-141/148	0	20	-	-	Mr. JP Tripathi	1	-	-	-	Soft copy not received. Asked to submit complete documents
20.08.19	MPR Sajari & Bingawan	-	20.08.19 S-133	0	20	-	-	Mr. JP Tripathi	1	-	-	-	Refer to MOM dated 01.08.19. asked to submit performance report for both plan

21.08.19	Meeting at UPJN Kanpur-Sajari & Bingawan	-	-	0	20	-	-	Mr. JP Tripathi	1	-	-	-	Compliance report submitted review by CE-K
22.08.19	BEP Unnao	-	-	0	20	-	-	Mr. CM Dimri	1	-	-	-	Vetted & sent for approval
23.08.19	MOM of review meeting dated 23.08.19	-	29.08.19 S-143	0	20	-	-	Mr. CM Dimri	1	-	-	-	Review meeting by NMCG at New Delhi
24.08.19	Structure Design Unnao	-	-	0	20	-	-	Mr. SP Tripathi	1	-	-	-	Check list for various component
25.08.19	SUNDAY												
26.08.19	ESHS documents	-	-	0	20	-	-	Mr. LK Rao	1	-	-	-	Discussion with director, KRMPL
27.08.19	Structure design & drawings – staff Quarter Pankha	29.07.19 Incomplete submission	27.08.19 S-137	29	20	-	-	Mr. P Walunjkar	1+1+1+1	-	Incomplete submission	Sent continuous reminder to KRMPL	Submission reviewed & sent for necessary improvement
	Sewerage network design- Pankha STP	16.08.19 K-140	27.08.19 S-136	11	20	-	-	Mr. SP Tripathi		-	-	-	Submission reviewed & sent for necessary improvement
	Structure Design Guard room Pankha	29.07.19 Incomplete submission	27.08.19 S-138	29	20	-	-	Mr. CM Dimri		-	Incomplete submission	Sent continuous reminder to KRMPL	Submission reviewed & sent for necessary improvement
	Approval of	27.08.19	30.08.19	3	20	-	-	Mr. AK		-	-	-	Information

	BEP & drawings Pankha STP	J-w-20/326	(asked for 1 office copy)					Seth					regarding review and vetting by IITR. Submission is approved by UPJN
28.08.19	Boundary wall, ESHS & CON. plan	-	28.08.19 S-140	0	20	-	-	Mr. P Walunjkar	1+1	-	-	-	submissions vetted & sent for approval to UPJN
	Jajmau BEP (R2)	27.08.19 K-154	28.08.19 S-139	1	20	-	-	Mr. AK Seth		-	-	-	Comments sent for compliance. Soft copy still not received
29.08.19	Pankha structure boundary wall	27.08.19 K-153	29.08.19 S-144	2	20	-	-	Mr. P Walunjkar	1+1	-	-	-	Vetted & sent to UPJN for further action
	Meeting with GM	-	-	0	20	-	-	Mr. CM Dimri		-	-	-	Review of BEP Pankha
30.08.19	Pankha & Jajmau STP's- Gravity network & RCC design of CCT & TEPH	28.08.19 K-155 K-156	30.08.19 S-146	2	20	-	-	Mr. CM Dimri	1+1	-	-	-	Document supplied in loose form (no design & soft copy). Treated as null & void
	Structure design CCT	29.07.19 incomplete submission	30.08.19 S-149	31	20	-	-	Mr. P Walunjkar		-	Incomplete submission	Sent continuous reminder to KRMPPL	Received STAAD pro files. Submission reviewed & sent for

													improvement
	Sewerage network Unnao	19.08.19 K-138	30.08.19 S-147	11	20	-	-	Mr. CM Dimri		-	-	-	comment on compliance report sent
31.08.19	Structure design Sludge thickener	(24.06.19 K-98)-incomplete submission	31.08.19 S-154	33	20	-	-	Mr. P Walunjkar	1+1	-	Incomplete submission	Sent continuous reminder to KRMPL	Reviewed & sent for necessary improvement. asked for GA & RCC drawing
	Sewerage network Unnao	27.08.19 K-154	31.08.19 S-155	4	20	-	-	Mr. CM Dimri		-	-	-	Soft copy of BEP (R2) not received. asked to submit
	Structure design CTECH basin	29.07.19 incomplete submission	31.08.19 S-151	33	20	-	-	Mr. P Walunjkar		-	Sending soft copy delayed. Received on 09.09.19	Sent continuous reminder to KRMPL	Received STAAD pro files. Submission reviewed & sent for improvement
	Structure design guard room	27.07.19 incomplete submission	31.08.19 S-157	37	20	-	-	Mr. P Walunjkar		-	Sending soft copy delayed. Received on 09.09.19	Sent continuous reminder to KRMPL	Received STAAD pro files. Submission reviewed & sent for improvement
Total										31+31+30+27+6+4+2			
Sept-2019													
01.09.19	SUNDAY												

02.09.19	Meeting with CE-K	-	-	-	-	-	-	Mr. Dimri	CM	1	-	-	-	Progress reviewed reading effective date
03.09.19	Attended office	-	-	0	20	-	-	Mr. Dimri	CM	1	-	-	-	Discussion on project related work
04.09.19	structure design blower room Unnao	(27.07.19 K-98)-incomplete submission	04.09.19 S-158	38	20	-	-	Mr. Dimri	CM	1	-	Incomplete submission	Sent continuous reminder to KRMPL	Reviewed & sent for necessary improvement. asked for GA & RCC drawing
05.09.19	Meeting with GM	-	-	-	-	-	-	Mr. Dimri	CM	1	-	-	-	CPs discussion
06.09.19	Meeting with KRMPL-	-	-	-	-	-	-	Mr. Priyesh Shukla`		1	-	-	-	CPs discussion
07.09.19	Revised O&M manual Bingawan	10.09.19 K-161	10.09.19S-164	0	20	-	-	Mr. Tripathi	JP	1+1	-	-	-	Asked to submit performance report
	Meeting with GM	-	-	-	-	-	-	Mr. Dimri	CM		-	-	-	CPs discussion
08.09.19	SUNDAY													
09.09.19	Insurance policy & ESHS compliance Sajari	11.09.19 (K-163)	11.09.19 (S-79)	0	20	-	-	Mr. Tripathi	JP	1+1	-	-	-	Asked concessionaire to maintain insurances & to provide the detail of the core team
	Staff quarter Unnao	09.09.19	09.09.19	0	20	-	-	Mr. Dimri	CM		-	-	-	Comment sent

			S-163										
	Meeting with GM	-	-	-	-	-	-	Mr. CM Dimri		-	-	-	CPs discussion
10.09.19	MPR Sajari & Bingawan	-	10.09.19 S-164	0	20	-	-	Mr. JP Tripathi	1	-	-	-	Asked to submit performance report for both plan
11.09.19	Technological License	-	-	0	20	-	-	Mr. CM Dimri	1	-	-	-	Discussion with PM, KRMPL
12.09.19	Pankha structure – blower room & admin bldg.	27.07.19 (16.08.19 11.07.19 K-109 K-118)	12.09.19 S-172 (16.08.19 S-128)	44	20	-	-	Mr. CM Dimri		-	Incomplete submission	Sent continuous reminder to KRMPL	Submission reviewed. comments sent for compliance
	Structure-centrifuge building, Admin building, PTU & MPS Unnao	In continuation to K-98/24.06.19 & STAAD file 29.07.19 Soft copy received on 09.09.19	12.09.19 S-173 S-171 S-170	3	20	-	-	Mr. CM Dimri		-	-	-	in continuation of our letter comment are sent for implementation
	Renovation/ retro fitting Jajmau	11.09.19 soft copy received	12.09.19 S-169	15	20	-	-	Mr. CM Dimri		-	-	-	Incomplete submission.

		(28.08.19 K-155)												
	Meeting with CE-K	-	-	0	20	-	-	Mr. Dimri	CM		-	-	-	CPs discussion
13.09.19	BEP Pankha & Unnao-Str. Design	-	-	0	20	-	-	Mr. Dimri	CM	1	-	-	-	Discussion with KRMPL
14.09.19	Insurance policy & ESHS Sajari & Bingawan	14.09.19 (K-169)	Comment sent on 16.09.19 (S-175)	2	20	-	-	Mr. Tripathi	JP	1	-	-	-	Informed concessionaire to obtain the minimum qualification requirement for core team.
15.09.19	SUNDAY													
16.09.19	Construction plan Unnao	-	-	0	20	-	-	Mr. Preetam W.		1	-	-	-	Discussion with EE UPJN Unnao
17.09.19	BEP (R2) Jajmau	17.09.19 -soft copy received (27.08.19 K-154)	17.09.19 S-176	21	20	-	-	Mr. Dimri	CM	1	-	Incomplete submission	Sent continuous reminder to KRMPL	electrical comment sent. Other part of BEP is incomplete
18.09.19	Meeting by CE-K	-	-	0	20	-	-	Mr. Dimri	CM	1	-	-	-	Discussion with EE UPJN Unnao
19.09.19	Revised line design Pankha	-	19.09.19 S-178	0	20	-	-	Mr. Dimri	CM	1+1	-	-	-	Asked to submit revised line drawing ref. S-146 dt. 30.08.19
	Revised line design	-	19.09.19 S-177	0	20	-	-	Mr. Tripathi	SP		-	-	-	letter S-147/31.08.19

	Unnao		Reminder 1										asked to submit revised document
20.09.19	CCT, Pump house Jajmau	06.09.19 (28.08.19 K-155)	20.09.19 S-179	14	20	-	-	Mr. CM Dimri	1	-	-	-	incomplete submission
21.09.19	Meeting with PM-I	-	-	0	20	-	-	Mr. CM Dimri	1	-	-	-	Discussion with KRMPL about Jajmau
22.09.19	SUNDAY												
23.09.19	Revised line design Pankha	23.09.19 K-175	In continuat ion of 30.08.19 19.09.19 S-178	0	20	-	-	Mr. CM Dimri	1	-	-	-	Letter received from KRMPL. Still compliance incomplete
24.09.19	Online monitoring system Bingawan	26.09.19 (K-186)	Comment sent on 28.09.19 (S-185)	2	20	-	-	Mr. CM Dimri	1	-	-	-	Sent comments for online monitoring system
25.09.19	ESHS- Qualification of experts	27.09.19 (K-186)	Comment sent on 09.10.19 (S-191)	12	20	-	-	Mr. JP Tripathi	1	-	-	-	concessionair e to submit joining report of members
26.09.19	Online monitoring system Bingawan	26.09.19 (J-W-10/70)	Comment sent on 28.09.19 (S-184/185)	2	20	-	-	Mr. CM Dimri		-	-	-	Sent comments for online monitoring system
	ESHS	26.09.19	Seen &	0	20	-	-	Mr. CM		-	-	-	Already

	approval	J-w-20/365	file on 26.09.19					Dimri	1+1				vetted by STC. Approved by UPJN on 26.09.19
	O&M personnel- Bingawan & Sajari	09.10.19 K-180	09.10.19 S-192	0	20	-	-	Mr. JP Tripathi		-	-	-	Asked concess. To follow labour law for adequate O&M staff
27.09.19	O&M Bingawan	-	-	0	20	-	-	Mr. CM Dimri Mr. JP Tripathi	1	-	-	-	Discussion with DM E&M
28.09.19	Estimated cost of 42 MLD Sajari STP	28.09.19 (J-92)	Seen & File on 28.09.19	0	20	-	-	Mr. JP Tripathi	1	-	-	-	For office record
	Renovation of Bingawan plant	01.10.19 J-w-10/71	Seen & File on 01.10.19	0	20	-	-	Mr. JP Tripathi		-	-	-	send to SEI on 01.10.19
29.09.19	SUNDAY												
30.09.19	Online monitoring system Bingawan	30.09.19 (K-188)	Comment sent on 01.10.19 (S-187)	1	20	-	-	Mr. CM Dimri		-	-	-	Requested concessionaire to send data sheet & soft copy but they failed to submit
	Renovation of Bingawan	30.09.19 J-w-	Reference of	0	20	-	-	Mr. JP Tripathi	1+1	-	-	-	Action by PM(E&M),

	plant	10/72	28.09.19 (S-184)										UPJN global std. make suggested
Total									30+30+29+ 27+15				
Oct-2019													
01.10.19	RTOLMS Bingawan	-	-	0	20	-	-	Mr. JP Tripathi	1	-	-	-	Vetting & appraised
02.10.19	GANDHI JAYANTI HOLIDAY												
03.10.19	Labour license & workmen policy	03.10.19 K-193	05.10.19 S-189	2	20	-	-	Mr. JP Tripathi	1 +1	-	-	-	KRMPL Asked to comply
	BEP Unnao structure design	-	-	0	20	-	-	Mr. CM Dimri		-	-	-	vetted
04.10.19	RTOLMS Bingawan	05.10.19 J- 01/cam p- Rakhima ndi/01 K-197	05.10.19 S-190	0	20	-	-	Mr. JP Tripathi	1 +1	-	-	-	Suggested to submit system architecture for individual STP, SPS with overall system architecture
	MPR Bingawan	05.10.19 K-196	05.10.19 S- 195	0	20	-	-	Mr. JP Tripathi		-	-	-	MPR not submitted for august 19. Need to study COD
	Structure design & drawing	04.10.19 J-w-s- 97/285	11.10.19 S-198	7	20	-	-	Mr. CM Dimri		-	-	-	Asked to submit vetted design booklet

	Unnao												& hard copy of blower room. Rest submission found ok
	Meeting with SE 3 rd & 23 rd circle lucknow	-	-	0	20	-	-	Mr. CM Dimri		-	-	-	Construction plan discussion
05.10.19	RTOLMS Bingawan	05.10.19 K-198	10.10.19 S-194	5	20	-	-	Mr. CM Dimri	1 +1	-	-	-	Refer to our letters S-190,187,185
	Meeting by GM	-	-	0	20	-	-	Mr. CM Dimri		-	-	-	Discussion about labour license, RTOLMS
06.10.19	SUNDAY												
07.10.19	BEP Pankha Str. Design	-	-	0	20	-	-	Mr. P. Walunjkar	1	-	-	-	vetting
08.10.19	VIJAY DASHMI HOLIDAY												
09.10.19	Structure design & drawing Unnao	04.10.19 J-w-s-97/285	11.10.19 S-193	7	20	-	-	Mr. CM Dimri	1	-	-	-	Comments sent for Admin building, guard room, PTU & sludge thickener. Asked for compliance
10.10.19	Sajari STP	10.10.19 K-197	10.10.19 S-116	0	20	-	-	Mr. JP Tripathi	1	-	-	-	Asked to conduct study for control of COD of

														effluent
Total										10+10+10+ 10+10+2				

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

8 LIST OF LETTER

Details of letters during July – 10th October 2019 are given in below tables:

Table 8.1: Inward Letter

July 2019				
SN	Date	Letter No	Subject	Received
1.	02.07.2019	W-20/192	SUBMISSION OF R1 BEP & GRAVITY SEWAGE NETWORK FOR PANKHA ACILITIES FOR UR VALUABLE REVIEW & COMMENTS	3.7.19
2.	04.07.2019	KNP/108	TAKING OVER BINGAWAN FACILITIES	4.7.19
3.	05.07.2019	W-20/225	RE-SUBMISSION OF CONSTRUCTION PLAN	8.7.19
4.	06.07.2019	KNP/110	SUBMISSION OF RCC DESIGN REPORT & DRAWING FOR COMPOUND WALL & RETAINING WALL FOR SHUKLAGANJ & UNNAO STP.	7.7.19
5.	06.07.2019	KNP/109	SUBMISSION OF RCC DESIGN REPORT & DRAWING FOR 30 MLD STP PANKHA FACILITIES.	7.7.19
6.	06.07.2019	KNP/111	SUBMISSION OF RCC DESIGN REPORT & DRAWING FOR COMPOUND WALL FOR 30 MLD PANKHA STP	7.7.19
7.	06.07.2019	W-2/58	PANKHA LAND MEASUREMENT	8.7.19
8.	06.07.2019	KNP/112	SUBMISSION OF REVISED (R1) BEP FOR 130 MLD JAJMAU	7.7.19
9.	10.07.2019	W-20/227	SUBMISSION OF REVISED PROJECT SCHEDULE FOR JAJMAU 130, UNNAO & SHUKLAGANJ.	11.7.19
10.	10.07.2019	W-20/227	SUBMISSION OF REVISED PROJECT SCHEDULE FOR PANKHA, JAJMAU, UNNAO, SHUKLAGANJ	11.7.19
11.	10.07.2019	W-20/227	SUBMISSION OF REVISED PROJECT SCHEDULE FOR PANKHA, JAJMAU, UNNAO SHUKLAGANJ	11.7.19
12.	10.07.2019	KNP/114	SUBMISSION OF REVISED PROJECT SCHEDULE FOR PANKHA, JAJMAU, UNNAO, SHUKLAGANJ	11.7.19
13.	10.07.2019	W-20/227	SUBMISSION OF REVISED PROJECT SCHEDULE FOR PANKHA, JAJMAU, UNNAO, SHUKLAGANJ	11.7.19
14.	10.07.2019	W-20/229	PART OF CONCESSION AGREEMENT FOR DEVELOPMENT OF SEWAGE TREATMENT PLANTS OF HYBRID	11.7.19
15.	10.07.2019	KNP/113	OPERATION OF 42 MLD SAJARI.	11.7.19
16.	10.07.2019	W-20/288	PERATION OF 42 MLD SAJARI.	11.7.19
17.	10.07.2019	KNP/115	SAJARI FACILITIES EFFECTIVE DATE	11.7.19
18.	11.07.2019	W-20/231	CMNT/COMPLNC REPORT ON HAM PROJECT KNP FOR BEP 30 MLD STP PANKHA BEP 130 MLD STP AT JAJMAU AND COMPLIANCE REPORT ON BEP SHUKLAGANJ	14.7.19
19.	11.07.2019	W-20/231	COMMENT/ COMPLIANCE REPORT ON HAM PROJECT KANPUR FOR BEP 30 MLD STP PANKHA, BEP 130 MLD STP AT JAJMAU AND COMPLIANCE REPORT ON BEP SHUKLAGANJ.	14.7.19
20.	11.07.2019	W-20/231	CMMNT/COMPLIANCE REPORT ON HAM PROJECT KANPUR FOR BEP 30 MLD STP PANKHA, BEP 130 MLD STP AT JAJMAU AND COMPLIANCE REPORT ON BEP SHUKLAGANJ	14.7.19
21.	11.07.2019	KNP/118	SUBMISSION OF CIVIL STRUCTURAL DRAWING (R0) FOR ADMIN BUILDING & CENTRIFUGE FOR PANKHA STP FOR APPROVAL	14.7.19
22.	11.07.2019	KNP/117	REVIEW OF BEP REGARDING STRUCTURAL DRAWING FOR PANKHA STP.	14.7.19
23.	11.07.2019	KNP/116	O&M OF SAJARI FACILITIES POST TAKE OVER ON 28.05.2019	14.7.19
24.	17.07.2019	KNP/119	SUBMISSION OF STRUCTURAL DRAWING FOR PTU & MPS FOR PANKHA FOR APPROVAL	18.7.19
25.	18.07.2019	W-20/242	REVIEW / VETTING OF BEP FOR RENOVATION OF SEWAGE TREATMENT PLANT ON HYBRID ANNUITY	19.7.19
26.	18.07.2019	W-20/244	REGARDING THE BEP OF 130 MLD STP JAJMAU, O&M OF BINGAWAN	19.7.19

FACILITIES AND SAJARI3				
27.	18.07.2019	W-20/243	CLARIFICATION ON DISCREPANCIES IN CERTAIN CLAUSES OF CONCESSION AGREEMENT FOR HAM K	19.7.19
28.	18.07.2019	W-20/244	REGARDING THE BINGAWAN & SAJARI	19.7.19
29.	18.07.2019	W-10/47	MACHINERY MAINTINANCE'	19.7.19
30.	18.07.2019	W-20/244	REGARDING BEP SAJARI FACILITIES	19.7.19
31.	20.07.2019	W-20/248	SUBMISSION OF RCC DESIGN REPORTS AND DRAWINGS FOR 30MLD STP PANKHA FACILITIES.	21.7.19
32.	20.07.2019	KNP/120	SAJARI FACILITY PAYMENT	21.7.19
33.	22.07.2019	W-20/249	SAJARI FACILITIES PAYMENT'	21.7.19
34.	23.07.2019	KNP/121	130 MLD STP JAJMAU,BINGAWAN O&M SAJARI	24.7.19
35.	23.07.2019	KNP/122	SUBMISSION OF COMPLIANCE REPORT FOR 130 MLD JAJMAU	24.7.19
36.	23.07.2019	KNP/121	SAJARI FACILITIES	24.7.19
37.	23.07.2019	KNP/121	BINGAWAN & SAJARI FACILITIES	24.7.19
38.	24.07.2019	W-20/251	ELECTRICAL COMMENTS ON BEP (R2) FOR SHUKLAGANJ AND UNNAO	28.7.19
39.	24.07.2019	W-20/251	ELECTRICAL COMMENT ON BEP (R2)FOR SHUKLAGANJ UNNAO.	28.7.19
40.	24.07.2019	W-20/250	ELECTRICAL COMMENTS ON BEP (R1) FOR JAJMAU AND PANKHA	28.7.19
41.	24.07.2019	W-20/250	ELECTRICAL COMMENT ON BEP (R1) FOR JAJMAU & PANKHA	28.7.19
42.	24.07.2019	W-20/252	COD FOR SAJARI, EFFECTIVE DATE, CONSTR. PLAN	28.7.19
43.	29.07.2019	W-20/254	VETTING UNNAO & SHUKLAGANJ	30.7.19
44.	29.07.2019	KNP/124	SUBMISSION OF REVISED CONSTRUCTION PLAN (R2	30.7.19
45.	30.07.2019	KNP/126	CONSTRUCTION PLAN FOR SAJARI	31.7.19
46.	30.07.2019	KNP/125	O&M PAYMENT FOR SAJARI	31.7.19
47.	30.07.2019	KNP/127	SAJARI O&M	31.7.19
48.	31.07.2019	KNP/128	SAJARI O&M PAYMENT	2.8.19
49.	31.07.2019	AC-8/89	REGARDING THE PAYMENT OF ELECTRICITY BILL OF 42 MLD STP SAJARI & ITS ASSOCIATED FACILITIES	2.8.19
August 2019				
1.	03.08.2019	K/128	SUBMISSION OF REVISED DRAWING (R1) FOR BOUNDARY WALL COMPLIANCE REPORT FOR UNNAO	4.8.19
2.	03.08.2019	K/128	SUBMISSION OF REVISED DRAWING (R1) FOR BOUNDARY WALL ALONG WITH COMPLIANCE REPORT FOR UNNAO STP.	4.8.19
3.	05.08.2019	K/130	DEVELOPMENT OF SEWAGE TREATMENT PLANTS ON HYBRID ANNUITY PPP BASIS AT KNP	6.8.19
4.	06.08.2019	K/132	APPROVAL OF ESHS DOCUMENTS FOR ALL FACILITIES	6.8.19
5.	06.08.2019	K/129	SUBMISSION OF REVISED BEP (R3) ALONG WITH CIVIL GENERAL RRANGEMENT DRAWING FOR SHUKLAGANJ STP.	6.8.19
6.	06.08.2019	K/131	LABOUR STRIKE HAVE BEEN CONTINUING BY EXT. WORKFORCE AT JAJMAU	6.8.19
7.	07.08.2019	K/133	HANDING OVER OF JAJMAU PH-1 FACILITIES	9.8.19
8.	07.08.2019	K/136	ADDITIONAL BOREHOLE TO BE DONE FOR GEOTECHNICAL SURVEY FOR SHUKLAGANJ ,UNNAO, JAJMAU, PANKHA	9.8.19
9.	07.08.2019	K/135	SUBMISSION OF COMPLIANCE REPORT FOR BINGAWAN SITE SEFETY VISIT DONE BY STC	9.8.19
10.	07.08.2019	K/134	PAYMENT OF ELECTRICITY BILL FOR SAJARI FACILITIES	9.8.19
11.	09.08.2019	K/138	SUBMISSION OF SEWAGE NETWORK DRAWING ALONG WITH COMPLIANCE REPORT FOR UNNAO.	9.8.19
12.	09.08.2019	W-20/270	SUBMISSION OF REVISED DRAWING (R1) FOR BOUNDARY WALL ALOG WITH COMPLIANCE REPORT	12.8.19
13.	09.08.2019	K/164	DEVELOPMENT OF REVISED (R1) STRUCTURAL DRAWING FOR UNNAO (PTU,CCT & CENTRIFUGE BUILDING) FOR APPROVAL.	10.8.19

14.	09.08.2019	M-134	PRAPOSED WORK	12.8.19
15.	09.08.2019	K/137	CLARIFICATION ON DISCREPANCIES	12.8.19
16.	10.08.2019	K/140	PANKHA SEWERAGE NETWORK DESIGN	12.8.19
17.	14.08.2019	K/141	210 MLD BINGAWAN	15.8.19
18.	14.08.2019	K/142	14MLD IPS AT SANIGAWAN AT SAJARI FACILITIES	15.8.19
19.	17.08.2019	W-20/179	PANKHA SEWRAGE NETWORK DESIGN	18.8.19
20.	19.08.2019	K/145	RENOVATION OF BINGAWAN PLANT: ONLINE MONITIRING SYSTEM	20.8.19
21.	20.08.2019	W-20/307	SUBMISSION OF REVISED BEP (R3) OF SHUKLAGANJ	22.8.19
22.	20.08.2019	K/149	INSPECTION & SURVEY OF EXISTING FACILITIES AT JAJMAU STP1	22.8.19
23.	20.08.2019	W-20/142	PRAPOSED WORK	22.8.19
24.	20.08.2019	K/150	PERFORMANCE OF SAJARI 42 MLD STP	22.8.19
25.	22.08.2019	W-S-97/241	REGARDING STATUS CONDITION PRECEDENT (CP)	23.8.19
26.	26.08.2019	W-49/1	SUBMISSION OF REVISED O&M MANUAL FOR 210 MLD BING.	27.8.19
27.	26.08.2018	W-49/2	RESUBMISSION OF RENOVATION PLAN FOR BINGAWAN	27.8.19
28.	26.08.2019	K/153	SUBMISSION OF COMPLIANCE REPORT FOR SAJARI SITE SAFETY VISIT DONE BY STC OFFICIAL	27.8.19
29.	27.08.2019	K/153	SUBMISSION OF BOUNDARY WALL (R1) FOR PANKHA STP	28.8.19
30.	27.08.2019	W-20/326	DEVELOPMENT OF SEWAGE TREATMENT PLANTS ON HYBRID ANNUITY PPP BASIS AT KANPUR,UP	28.8.19
31.	27.08.2019	K/154	SUBMISSION OF BEP FOR REHABILITATION OF 130 MLD STP AT JAJMAU	28.8.19
32.	28.08.2019	K/156	SUBMISSION OF REVISED PANKHA GRAVITY SEWERAGE NETWORK.	29.8.19
33.	28.08.2019	K/155	SUBMISSION OF RCC DESIGN AND DRAWING OF CCT & TEPH AT JAJMAU STP	29.8.19
34.	29.08.2019	W-47/10	MEETING HELD ON 23.8.19	29.8.19
35.	30.08.2019	K/158	START OF WORK AT PANKHA STP SITE.	30.8.19
36.	30.08.2019	K/159	DEVLOPMENT OF SEWAGE TREATMENT PLANTS ON HYBRID ANNUITY PPP BASIS AT KNP	30.8.19
37.	31.08.2019	K/160	APPROVAL OF CONSTRUCTION PLAN	2.9.19
September 2019				
1.	5.9.19	W-49/19	Regarding approval of ESHS for 43 and 130	6.9.19
2.	5.9.19	K/167	42MLD Sajari plant road maintenance	6.9.19
3.	7.9.19	K/161	revised O&M Manual Bingawan	8.9.19
4.	9.9.19	w-10/60	regarding the payment of electricity bill of Rakhi Mandi	12.9.19
5.	9.9.19	k/165	Submission of revised (R1) structural	12.9.19
6.	9.9.19	k/163	Insurance policy ESHS compliance Sajari	12.9.19
7.	12.9.19	w-49/22	Design of sewerage network of Unnao area	14.9.19
8.	13.9.19	k/166	construction plan for Unnao facilities	14.9.19
9.	15.9.19	k/169	Insurance Sajari facilities & ESHS	15.9.19
10.	16.9.19	k/170	submission of compliance report Pankha	17.9.19
11.	16.9.19	k/172	Jajmau phase 1 facilities submission	17.9.19
12.	16.9.19	k/171	renovation of Bingawan Plant: online monitoring	17.9.19
13.	17.9.19	m-5/162	Proposed work	19.9.19

14.	12.9.19	k/159	Under taking for satisfactory inspection and renovation of Jajmau STP-1 as per condition precedent clause 3.2a(V) of the concessionaire	19.9.19
15.	19.9.19	w-1-1/132	Meeting	19.9.19
16.	21.9.19	k/173	Submission of BEP for rehabilitation of IPS under-Jajmau facilities	22.9.19
17.	21.9.19	k/174	Direct dealing of STC with KRMPL	22.9.19
18.	23.9.19	k/175	Revised piping drawing for Pankha	24.9.19
19.	25.9.19	w-20/364	regarding approval of BEP-civil GA drawing & ESHS for Pankha	26.9.19
20.	26.9.19	w-20/70	renovation of Bingawan plant under hybrid annuity PPP mode	26.9.19
21.	24.9.19	k/176	Renovation of Bingawan plant	26.9.19
22.	26.9.19	k/180	O&M personal at Bingawan & Sajari	26.9.19
23.	25.9.19	k/186	ESHS qualification of experts	26.9.19
24.	27.9.19	k/181	Repair of equipment for Bingawan plant	28.9.19
25.	27.9.19	k/182	renovation plan-Bingawan	28.9.19
26.	27.9.19	k/183	renovation of Bingawan plant	28.9.19
27.	26.9.19	k/178	submission of structural design for 30 MLD Pankha	28.9.19
28.	26.9.19	k/179	submission of structural design for 30 MLD Unnao	28.9.19
29.	26.9.19	w-20/365	Regarding approval of ESHS report for 42 MLD STP Sajari	28.9.19
30.	28.9.19	w-10/71	Renovation of Bingawan plant Under hybrid annuity PPP mode	28.9.19
31.	29.9.19	k/192	Development of sewage treatment plant on hybrid annuity PPP basis at Kanpur	29.9.19
32.	29.9.19	k/188	online monitoring at Bingawan facilities	29.9.19
33.	30.9.19	k/187	100 MLD Rakhi Mandi sewage pumping station	30.9.19
34.	30.9.19	w-10/72	renovation of Bingawan plant under hybrid annuity PPP mode	31.9.19

Table 8.2: Outward Letter

July 2019				
SN	Date	To	Place	Subject
1.	02-07-2019	G.M, UPJN	Kanpur	O&M Manual for 210 MLD Bingawan facilities
2.	03-07-2019	G.M, UPJN	Kanpur	Re submission of construction plan as per required format
3.	04-07-2019	G.M, UPJN	Kanpur	HAM Project Kanpur- construction plan
4.	04-07-2019	G.M, UPJN	Kanpur	Concessionaire rights and obligation
5.	04-07-2019	G.M, UPJN	Kanpur	Monitoring and reporting by the concessionaire during O&M period
6.	05-07-2019	G.M, UPJN	Kanpur	Taken over Bingawan facilities
7.	05-07-2019	G.M, UPJN	Kanpur	compliance report on Structure drawing
8.	06-07-2019	G.M, UPJN	Kanpur	Handing over note of Sajari facility
9.	06-07-2019	G.M, UPJN	Kanpur	compliance report on BEP Jajmau
10.	10-07-2019	G.M, UPJN	Kanpur	Pankha BEP comments
11.	10-07-2019	G.M, UPJN	Kanpur	O&M manual Bingawan
12.	11-07-2019	G.M, UPJN	Kanpur	O&M manual Sajari
13.	11-07-2019	Madhava Kr.	New Delhi	Invoices
14.	11-07-2019	G.M, UPJN	Kanpur	BEP Jajmau 130MLD comments
15.	11-07-2019	Madhava Kr.	New Delhi	clarification description on Sajari clauses of CA

16.	12-07-2019	G.M, UPJN	Kanpur	Construction plan approval
17.	12-07-2019	G.M, UPJN	Kanpur	BEP Pankha Structure
18.	15-07-2019	G.M, UPJN	Kanpur	O&M manual Sajari
19.	15-07-2019	G.M, UPJN	Kanpur	BEP Jajmau compliances
20.	16-07-2019	G.M, UPJN	Kanpur	insurance during the O&M period Bingawan
21.	16-07-2019	G.M, UPJN	Kanpur	ESHS document approval
22.	16-07-2019	G.M, UPJN	Kanpur	Sajari facilities O&M
23.	16-07-2019	G.M, UPJN	Kanpur	COD for Sajari facilities
24.	18-07-2019	G.M, UPJN	Kanpur	Construction plan for Sajari & Bingawan
25.	19-07-2019	G.M, UPJN	Kanpur	Pankha BEP sewer line Design drawing
26.	20-07-2019	G.M, UPJN	Kanpur	HAM Kanpur BEP R2 Unnao
27.	20-07-2019	G.M, UPJN	Kanpur	Electrical comments on BEP Pankha RI
28.	20-07-2019	G.M, UPJN	Kanpur	Electrical comments on BEP Jajmau RI
29.	20-07-2019	G.M, UPJN	Kanpur	Electrical comments on BEP Shuklaganj RII
30.	20-07-2019	G.M, UPJN	Kanpur	ESHS documents
31.	23-07-2019	G.M, UPJN	Kanpur	Site Safety inspection Bingawan
32.	23-07-2019	G.M, UPJN	Kanpur	O&M Jajmau facility
33.	27-07-2019	G.M, UPJN	Kanpur	STAAD profile for Unnao & Pankha Structure drawing
34.	27-07-2019	G.M, UPJN	Kanpur	appointment of PE for STP- mobilization
35.	27-07-2019	G.M, UPJN	Kanpur	ESHS document approval
36.	29-07-2019	G.M, UPJN	Kanpur	Site Safety inspection Sajari
37.	30-07-2019	G.M, UPJN	Kanpur	Sajari facilities O&M payment
38.	31-07-2019	G.M, UPJN	Kanpur	renovation plan for Bingawan facility
39.	31-07-2019	G.M, UPJN	Kanpur	Unnao structure design boundary wall
40.	31-07-2019	G.M, UPJN	Kanpur	construction plan for Sajajri facility
41.	31-07-2019	Madhava Kr.	New Delhi	Monthly progress report
42.	31-07-2019	G.M, UPJN	Kanpur	Pankha BEP boundary wall
August 2019				
1.	01.08.19	G.M, UPJN	Kanpur	Sajari O&M payment
2.	01.08.19	G.M, UPJN	Kanpur	O&M manual Sajari
3.	02.08.19	G.M, UPJN	Kanpur	Sajari O&M payment
4.	02.08.19	Madhava Kr.	New Delhi	
5.	02.08.19	G.M, UPJN	Kanpur	Approval of construction plan
6.	02.08.19	G.M, UPJN	Kanpur	Progress of BEPs & compliance report
7.	03.08.19	G.M, UPJN	Kanpur	ESHS document
8.	03.08.19	G.M, UPJN	Kanpur	Regarding STAAD Profile
9.	03.08.19	G.M, UPJN	Kanpur	comments on sewerage network design Unnao
10.	03.08.19	G.M, UPJN	Kanpur	Shuklaganj structure design of compound wall
11.	05.08.19	G.M, UPJN	Kanpur	BEP Pankha Geo Tech report
12.	06.08.19	G.M, UPJN	Kanpur	requirement of STAAD profile Pankha line design
13.	07.08.19	G.M, UPJN	Kanpur	Submission of BEP RIII Shuklaganj
14.	08.08.19	G.M, UPJN	Kanpur	payment of electricity bill for Sajari
15.	13.08.19	G.M, UPJN	Kanpur	clarification on discrepancies of Sajari
16.	14.08.19	G.M, UPJN	Kanpur	revised O&M manual for Bingawan
17.	16.08.19	G.M, UPJN	Kanpur	Pankha structure Admin building & blower room
18.	16.08.20	G.M, UPJN	Kanpur	insurance policy for Sajari & Bingawan

19.	17.08.19	G.M, UPJN	Kanpur	resubmission of renovation plan for Bingawan
20.	20.08.19	G.M, UPJN	Kanpur	submission of invoice period Feb-April
21.	20.08.19	G.M, UPJN	Kanpur	review meeting
22.	20.08.19	G.M, UPJN	Kanpur	MPR for Sajari & Bingawan
23.	21.08.19	G.M, UPJN	Kanpur	sewerage network design of Pankha
24.	22.08.19	G.M, UPJN	Kanpur	compliance report of NMCG MOM
25.	27.08.19	G.M, UPJN	Kanpur	sewerage network design of ICI nala Pankha
26.	27.08.19	G.M, UPJN	Kanpur	structure design & drawing of staff quarter of Pankha
27.	27.08.19	G.M, UPJN	Kanpur	structure design & drawing of guard room of Pankha
28.	28.08.19	G.M, UPJN	Kanpur	electrical comment over 130 MLD Jajmau RII
29.	28.08.19	G.M, UPJN	Kanpur	boundary wall, ESHS & construction plan vetted
30.	29.08.19	G.M, UPJN	Kanpur	renovation of Bingawan plant online monitoring system
31.	29.08.19	G.M, UPJN	Kanpur	MoM review meeting held
32.	29.08.19	G.M, UPJN	Kanpur	overall performance of Bingawan STP
33.	29.08.19	G.M, UPJN	Kanpur	BEP structure design & drawing of Pankha boundary wall
34.	29.08.19	G.M, UPJN	Kanpur	ESHS documents
35.	30.08.19	G.M, UPJN	Kanpur	
36.	30.08.19	G.M, UPJN	Kanpur	comments on compliance report of sewerage network Unnao
37.	30.08.19	G.M, UPJN	Kanpur	Bingawan O&M
38.	30.08.19	G.M, UPJN	Kanpur	Unnao structure design CCT
39.	31.08.19	G.M, UPJN	Kanpur	construction plan
40.	31.08.19	G.M, UPJN	Kanpur	Unnao structure design
41.	31.08.19	G.M, UPJN	Kanpur	Mobilization of structure expert
42.	31.08.19	G.M, UPJN	Kanpur	submission of RI for boundary wall along with compliance for Unnao
43.	31.08.19	G.M, UPJN	Kanpur	Unnao STP structure design & drawing of sludge thickener basin
44.	31.08.19	G.M, UPJN	Kanpur	Design of sewerage network of Unnao
September 2019				
1.	02.09.19	G.M, UPJN	Kanpur	request to direct KRMPL to transfer their Str. Expert to Kanpur temporary
2.	03.09.19	G.M, UPJN	Kanpur	comments on structure design & drawing on guard room
3.	03.09.19	G.M, UPJN	Kanpur	comments on structure design & drawing on blower room
4.	05.09.19	G.M, UPJN	Kanpur	request to direct KRMPL to transfer their Str. Expert to Kanpur temporary
5.	06.09.19	G.M, UPJN	Kanpur	CP Status
6.	07.09.19	G.M, UPJN	Kanpur	CP Status
7.	09.09.19	G.M, UPJN	Kanpur	CP Status
8.	10.09.19	G.M, UPJN	Kanpur	comment on staff quarter Unnao
9.	10.09.19	G.M, UPJN	Kanpur	MPR for Sajari & Bingawan
10.	10.09.19	G.M, UPJN	Kanpur	technology license agreement
11.	10.09.19	G.M, UPJN	Kanpur	comment over compliance report Unnao
12.	11.09.19	G.M, UPJN	Kanpur	insurance policy & ESHS compliance Sajari
13.	12.09.19	G.M, UPJN	Kanpur	requirement of approved copy of ESHS document
14.	12.09.19	G.M, UPJN	Kanpur	required renovation retrofitting file
15.	12.09.19	G.M, UPJN	Kanpur	comments on PTU & MPS for Unnao
16.	12.09.19	G.M, UPJN	Kanpur	comments on admin building Unnao
17.	12.09.19	G.M, UPJN	Kanpur	comment on str. Design all Pankha
18.	12.09.19	G.M, UPJN	Kanpur	comment on str. Design centrifuge Unnao

19.	13.09.19	G.M, UPJN	Kanpur	Bingawan O&M manual
20.	15.09.19	G.M, UPJN	Kanpur	insurance policy & ESHS compliance Sajari
21.	17.09.19	G.M, UPJN	Kanpur	reminder BEP R2 Jajmau
22.	19.09.19	G.M, UPJN	Kanpur	reminder revised drawing of sewer network of Unnao
23.	19.09.19	G.M, UPJN	Kanpur	reminder revised drawing of sewer network of Pankha
24.	20.09.19	G.M, UPJN	Kanpur	comments over CCT & pump house on str. Design & drawing Jajmau
25.	21.09.19	G.M, UPJN	Kanpur	regarding direct dealing with concessionaire
26.	24.09.19	Madhava Kr.	New Delhi	submission of invoice/MPR
27.	25.09.19	G.M, UPJN	Kanpur	authorised signatory of STC
28.	26.09.19	Madhava Kr.	New Delhi	submission of invoice/MPR
29.	28.09.19	G.M, UPJN	Kanpur	renovation of Bingawan plant
30.	28.09.19	G.M, UPJN	Kanpur	renovation of Bingawan plant
31.	28.09.19	G.M, UPJN	Kanpur	MoM compliance

9 MINUTES OF MEETING

Minutes of meeting pertaining to the HAM Kanpur project for July – 11th Oct 2019 have been attached in **Annexure 4**.

10 MOBILIZATION PLAN

Mobilization plan for July – 10th Oct 2019 is given below:

Present

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

Next Month

Name	Designation	Joining Date
Mr. LK Rao	Sr. Safety Expert	19.07.19
Mr. Priyesh Shukla	Support Engineer	22.07.19

ANNEXURES

Annexure 1: Site Visit Photographs



Pankha STP Site



Sajari STP (Sludge Drying Bed)



Sajari STP (Gas Blower)



130 MLD Jajmau (Sludge Drying)

Site Visit Photographs



210 MLD Bingawan



210 MLD Bingawan



130 MLD Jajmau



130 MLD Jajmau (Sludge Drying)

Annexure 2: 210 MLD Bingawan STP

- 210 MLD UASB based Bingawan STP facilities:
- Renovation with O&M for 15 years



- Scheduled handing over date was 01.04.19 but Handed Over on 08.07.2019
- CTO : Applied but not received

Annexure 3: 130 MLD Jajmau STP

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

Annexure 4: Minutes of Meeting

MOM: July 2019

Minutes of the Meeting for review of progress of achievement of Conditions Precedent by the stakeholders of the Kanpur STP projects under HAM on 1st July 2019 under the chairmanship of Shri D.P.Mathuria, Executive Director(Technical), NMCG.

1. List of participants is enclosed in Annexure 1.
2. As this meeting was follow-up of the review meetings held on 4th June 2019 and the Action Taken Reports (ATR) on the minutes of these meetings were taken up first. It was informed that the application for Consent to Establish (CTE) for STPs at Unnao & Shuklaganj was applied on 10th May 2019 and for Pankha STP on 17th May 2019. The necessary payments have also been made by UPJN. Similarly Consent to Operate (CTO) for 42 MLD STP at Sajari and 210 MLD STP at Bingawan was applied on 14th May 2019 and for 130 MLD STP at Jajmau CTP was applied on 13th May 2019. UPPCB has already conducted the site visit for Unnao STP and Shuklaganj for other sites the visit will be happening soon. ED (Technical) instructed UPJN/PE to complete the procedures at the earliest so that the required permits are in place before the effective date.
3. As far as the issues identified in the last meeting on the land for Shuklaganj, UPJN informed that layout of shuklaganj has been suitably modified to avoid the constructions in the site so that the project implementation is not hampered. Revised BEP including structuring drawings have been sent to IITR by UPJN for review and approval.
4. UPJN informed that the design and drawings for Pankha, Unnao and Shuklaganj STPs have already been forwarded to IIT Roorkee, for vetting. UPJN has also placed a formal order to IIT as per the quote for Rs. 72 Lakhs plus GST given by IIT Roorkee. ED(Technical) instructed UPJN to coordinate with IIT Roorkee to complete the vetting process on or before 16th July 2019 so that effective date could be announced.
5. It was informed that land issue for Pankha has been resolved. NoC from Kanpur Development Authority is expected within 2 weeks' time.
6. UPJN informed that existing 42 MLD STP at Sajari has been handed over to the Concessionaire on 28.5.2019. Concessionaire shared the performance results of the plant since its takeover on 29th May 2019. From the results put forward by concessionaire it was observed that the plant is not meeting the COD parameter of less than 100 mg/l when only one stream was operated. It was decided that although flow is generally less than 20 MLD, both streams of the plant should be operated to control COD in the outlet. Concessionaire and UPJN were requested to jointly study the performance of the plant for a month and suggest suitable improvements to bring the COD within limits when plant is operated at designed flow. It was also informed that COD of the in incoming sewage was higher than prescribed limit of 450 mg/l in some of the days. ED (Technical) instructed the UPJN to look into the matter and identify the sources of industrial sewage ingressions so that necessary action can be taken to avoid such ingressions.

7. Concessionaire pointed out that, on line monitoring and DG sets are not provided in the Sajari plant when the same was handed over to the concessionaire. ED(Technical) informed that UPJN shall assess the requirement of the same and submit a detailed report at the earliest so that 100% plant availability is not hampered.
8. Performance of 210 MLD Bingawan plant on the basis of test run was found satisfactory in terms of BOD and COD in the treated effluent. However TSS in the treated effluent was beyond prescribed limit of 50 mg/l in some occasions. UPJN informed that the plant may meet the desired results with disciplined operations. Accordingly it was decided that UPJN and Concessionaire shall monitor the plant operations for a month and submit the performance results for taking an informed decision. UPJN was also requested to complete the balance works in the plant before handing over to the concessionaire.
9. All concerned were requested to complete conditions precedents so that effective date could be announced on or before 19th July 2019.
10. The meeting ended with vote of thanks to the chair.


19/7

MOM: August 2019

Minutes of the Meeting for review of progress of achievement of Conditions Precedent by the stakeholders of the Kanpur STP projects under HAM on 23rd August 2019 under the chairmanship of Shri G. Asok Kumar, Executive Director(Projects), NMCG.

1. List of participants is enclosed in Annexure 1.
2. As this meeting was follow-up of the review meeting held on 1st July 2019 the Action Taken Reports (ATR) on the minutes of these meeting were taken up first. It was informed that the application for Consent to Establish (CTE) for STPs at Unnao & Shuklaganj was applied on 10th May 2019 and for Pankha STP on 17th May 2019. While CTE for Unnao has been received, UPPCB has denied the CTE for Shuklaganj facilities as the site chosen is very close to the edge of the river Ganga. In view of this UP Jal Nigam(UPJN) has identified a new site in Piparkheda village which is 8 kms away from the current nalah tapping point. Developing STP at this site will increase the pumping cost and hence may not be economical. In view of this UPJN was requested to identify nearby government land and/or acquire private land if necessary for developing the Shuklaganj STP. Accordingly the concessionaire has to revise the Basic Engineering Package (BEP) and submit the same for approval of UPJN. CTE for Pankha STP is still awaited and UPJN may follow up with UPPCB for expediting the issuance of the same.
3. UPJN informed that the design and drawings for Pankha, Unnao and Shuklaganj STPs have already been vetted by IIT Roorkee. However the design for Shuklaganj may undergo a change due to change in site. Also, IIT has submitted a quote of Rs. 72 Lakhs plus GST towards vetting charges, for which approval from NMCG is awaited. ED (Projects) informed that the necessary sanction orders will be released before 27th August 2019.
4. It was informed that Kanpur Development Authority has demarcated the land for Pankha STP. But the land comes under green category. KDA has forwarded a proposal to change the land use pattern to Government of Uttar Pradesh on 08/08/2019. The approval is awaited soon. MD(UPJN) was requested to follow up the matter with the State Government an
5. The existing 42 MLD STP at Sajari has been handed over to the Concessionaire on 28.5.2019. However the plant is not meeting the output COD limits as prescribed in the concession agreement on certain days during the period of operation from 1st July 2019 to 19th August 2019. In the last meeting it was instructed to look into the matter and identify the sources of industrial sewage ingressions so that necessary action can be taken to avoid such ingressions. Accordingly one source has been identified. In order to ensure proper operation of the plant, UPJN and Concessionaire may identify the sources of the industrial waste ingressions so that suitable actions can be taken against those non-compliant industries by the UPPCB.
6. Concessionaire pointed out that, on line monitoring and DG sets are not provided in the Sajari plant when the same was handed over to the concessionaire. ED(Projects) informed that UPJN shall assess the requirement of the same and procure the same so that so that



- 100% plant availability is not hampered. For release of O & M charges for the period prior to announcement of effective date, UPJN may take up the matter separately.
7. UPJN informed that the 210 MLD Bingawan STP has already been handed over to the concessionaire on 8th July 2019. Overall performance of the plant is satisfactory except for the TSS at the outlet for 2 days from 8th July 2019 to 19th August 2019. Accordingly it was decided that UPJN and Concessionaire shall monitor the plant operations for next one month and submit the performance results for taking an informed decision. UPJN was also requested to complete the balance works at the earliest.
 8. The concessionaire is yet to complete the submit the Financial Closure documents for which the representative from concessionaire informed that the documents will be executed by 27th August 2019 and submitted to UPJN subsequently.
 9. All concerned were requested to complete conditions precedents so that effective date could be announced on or before 1st September 2019.
 10. The meeting ended with vote of thanks to the chair.

