

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



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)**

(STC agreement dated 19.04.2019 & LOA: Pr-12012/41/2018-PPP/NMCG dated 04.02.2019)

Monthly Progress Report

Of

Project Engineer

November - 2020



Executing Agency
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208002



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Table of Contents

MONTHLY PROGRESS REPORT – HAM KANPUR.....	5
1 INTRODUCTION	5
2 HYBRID ANNUITY MODEL (HAM).....	6
3 OBJECTIVES.....	6
4 HAM KANPUR PROJECT AT A GLANCE.....	7
5 PROJECT WISE DETAILS OF COMPONENTS UNDER HAM KANPUR PROJECT	8
5.1 PANKHA FACILITIES.....	8
5.2 UNNAO FACILITIES.....	9
5.3 SHUKLAGANJ STP FACILITIES	10
5.4 JAJMAU (PHASE I) FACILITIES	10
5.5 JAJMAU PHASE II STP FACILITY	11
5.6 BINGAWAN FACILITIES	11
5.7 SAJARI FACILITIES.....	11
6 PHYSICAL PROGRESS OF WORK.....	12
6.1 MILESTONE WISE ACTIVITIES AND PROGRESS: PANKHA STP FACILITIES	12
6.2 MILESTONE WISE ACTIVITIES AND PROGRESS: UNNAO STP	22
7 PRESENT STATUS AND ISSUES OF HAM PROJECT KANPUR.....	27
7.1 PANKHA 30 MLD STP FACILITIES.....	27
7.2 UNNAO 15 MLD STP FACILITIES.....	27
7.3 SHUKLAGANJ 5 MLD STP FACILITIES.....	27
7.4 JAJMAU (PHASE – 1) 130 MLD STP AND IPS REHABILITATION	27
7.5 43 MLD JAJMAU PHASE II	28
7.6 210 MLD BINGAWAN FACILITIES	28
7.7 42 MLD SAJARI STP	30
8 STATUS OF BEP & OTHER DETAILS	33
9 MEETINGS HELD / MINUTES OF MEETING	35

LIST OF TABLES

Table 2.1	:	HAM Kanpur Project at a Glance
Table 5.1	:	Pankha Facilities (District-III)
Table 5.2	:	Unnao Facilities
Table 5.3	:	Shuklaganj Facilities
Table 5.4	:	Jajmau Facilities
Table 5.5	:	Bingawan Facilities
Table 5.6	:	Sajari Facilities
Table 6.1	:	Milestone Wise Activities And Progress: Pankha STP Facilities
Table 6.2	:	Milestone Wise Activities And Progress: Unnao STP Facilities
Table 6.3	:	BEPs and other details

LIST OF FIGURES

Figure 1	:	Objectives of NMCG and UP JAL NIGAM
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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 (30 MLD Pankha, 15 MLD Unnao & 5 MLD 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 (43 MLD Jajmau Phase-II, 210 MLD Bingawan & 42 MLD 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.

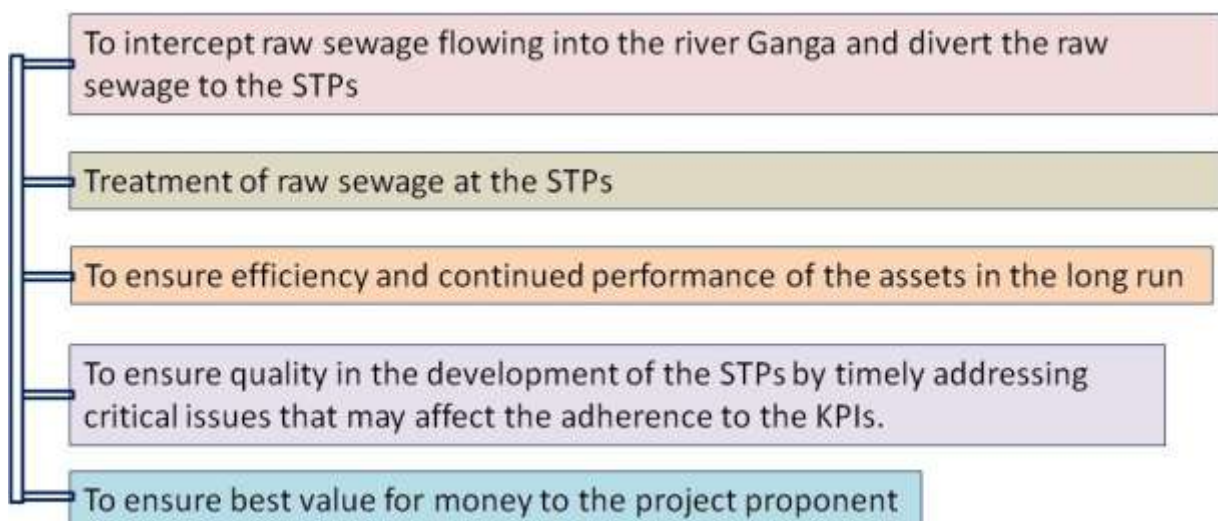


Figure 1: Objectives of NMCG and UP JAL NIGAM

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’
Agreement &LOA	: STC Agreement dated 12.04.2019 & 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	: 14/GM/2018-19dated 21.12.2018
Cost of Project (CAPEX+OPEX)	: Rs. 816.25 Cr. (CAPEX 255.50 Cr. + OPEX 560.75 Cr.)
Effective Date	: 11.10.2019
Completion date (as per contract)	: 24 Months from effective date (21 months construction + 3 months trial run)
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, 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– Pankha (District –III, Kanpur), Unnao & Shuklaganj – (District Unnao), Jajmau – (District I, Kanpur), Bingawan – (District II, Kanpur) and Sajari – (District IV, Kanpur).

Under this project, development and O&M work of total seven STP facilities are proposed in which three new STP facilities based on SBR technology with associated infrastructure have been proposed for - 30 MLD Pankha (District III, Kanpur), 15 MLD Unnao&5 MLD Shuklaganj.

Rehabilitation and O&M for 15 years is proposed for 130 MLD Jajmau STP facilities (Phase-I) and O&M of 210 MLD USAB based Bingawan STP facilities, 43 MLD Jajmau Phase-II and for 42 MLD ASP based Sajari STP facilities for 15 years.

5.1 PANKHA FACILITIES

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

Table 5.1: Pankha 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	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
1.14	Milestones	Date	Amount in Rs.
	1 st Milestone	12-Oct-2019 to 25-Apr-2020	1248,39,750
	2 nd Milestone	26-Apr-2020 to 10-Jul-2020	1248,39,750
	3 rd Milestone	11-Jul-2020 to 24-Sep-2020	1248,39,750
	4 th Milestone	25-Sep-2020 to 09-Dec-2020	1248,39,750
	5 th Milestone	10-Dec-2020 to 13-Feb-2021	1248,39,750
	6 th Milestone	14-Feb-2021 to 21-Apr-2021	1248,39,750
	7 th Milestone	22-Apr-2021 to 22-Jun-2021	1248,39,750
	8 th Milestone	23-Jun-2021 to 25-Aug-2021	1248,39,750

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	Amount in Rs.	
	1 st Milestone	12-Oct-2019 to 24-Feb-2020	478,36,250	
	2 nd Milestone	25-Feb-2020 to 15-May-2020	478,36,250	
	3 rd Milestone	16-May-2020to 30-Jul-2020	478,36,250	

4 th Milestone	30-Jul-2020to 14-Oct-2020	478,36,250
5 th Milestone	15-Oct-2020to 24-Dec-2020	478,36,250
6 th Milestone	10-Dec-2020 to 01-Mar-2021	478,36,250
7 th Milestone	02-Mar-2021 to 05-May-2021	478,36,250
8 th Milestone	06-May-2021to 10-Jul-2021	478,36,250

5.3 SHUKLAGANJ STP FACILITIES

Project wise components details of Shuklaganj STP 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 x1m	100m
1.10	Milestones	To be submitted*	

*CTE for new land has been received in July 2020.Geotech survey is in progress

5.4 JAJMAU (PHASE I) 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 (TEPH)	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	GuptarGhat IPS	-	1
1.8	Jajmau CPCS	-	1

5.5 JAJMAU PHASE II STP FACILITY

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

SN	STP Facilities	Capacity/ dia. /size	No. of units/length
	Schedule Handing Over Date- 01.10.2019		
	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

5.6 BINGAWAN FACILITIES

Project wise component detail of Bingawan is 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	ShisamauNala (tapping)	8MLD	1

5.7 SAJARI FACILITIES

Project wise component detail 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 PHYSICAL PROGRESS OF WORK

As per the provision of Concessionaire Agreement, effective date of the project was to be declared before 19th April 2019. Effective date for work execution under HAM Kanpur project was declared on 11th October 2019. Hence, work related to construction / execution of new STP facilities and related infrastructure i.e. Pankha, Unnao & Shuklaganj and renovation of existing facilities i.e. Jajmau 130 MLD started after effective date.

The overall physical progress of the facilities have been taken in the same proportion as financial progress as per milestones in approved Construction Plan. Overall progress can be monitored as project works have been divided in eight milestones each having progress of 12.5%. The scheduled date of project completion is 10th October 2021 i.e. 24 months from the effective date.

6.1 MILESTONE WISE ACTIVITIES AND PROGRESS: PANKHA STP FACILITIES

Milestone wise activities and their progress of work for Pankha STP are given in table 6.1:

Table 6.1: Pankha STP Facilities

SN	Description of Items	Milestone-1 (From 26th Nov.'19 to 25th Sep'20)		Milestone-2 (From 26th Sep.'20 to 25th Nov.'20)		Achieved against 2nd Milestone		Milestone-3 (From 26th Nov.'20 to 25th Jan'21)		Achieved against 3rd Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount	%	Amount(Rs.)	%	Amount
A	Design & Drawing & STP & Sewer Laying works										
	A. On approval of BEP	100%	249,67,950.00								
	B. On approval of design & drawings for Civil & Sewerage works	100%	249,67,950.00								
B	CONSTRUCTION										
	STP (30 MLD)										
1	SBR Basin Area										
	CIVIL WORK										
	Site Clearance	100%	2,50,000.00								
	Excavation	100%	98,38,400.00								
	PCC	100%	147,57,600.00								
	RCC Foundation/Raft	40%	98,38,400.00	60%	147,57,600.00	60%	147,57,600.00		-		
	Wall 50% of total lift work		-	100%	245,96,000.00	100%	245,96,000.00		-		
	Walls (balance 50% of Total Lift work)		-		-		-	60%	147,57,600.00		
	Baffle Walls work		-		-		-		-		
	Walkway/Platform		-		-		-		-		
	Finishing Work		-		-		-		-		
2	Chlorine Contact Tank Area										
	Site Clearance	100%	1,50,000.00		-		-		-		
	Excavation	100%	7,37,880.00		-		-		-		
	PCC	100%	11,06,820.00		-		-		-		
	RCC Foundation/Raft		-	100%	46,11,750.00	100%	46,11,750.00		-		
	Wall 50% of total lift work		-	100%	27,67,050.00	100%	27,67,050.00		-		
	Walls (balance 50% of Total Lift work)		-		-		-	100%	27,67,050.00		
	Baffle Walls work		-		-		-		-		
	Finishing Work		-		-		-		-		
3	Chlorination House Area										
	CIVIL WORK										
	Site Clearance	100%	1,00,000.00		-		-		-		
	Excavation	100%	3,68,940.00		-		-		-		
	PCC	100%	5,53,410.00		-		-		-		

SN	Description of Items	Milestone-1 (From 26th Nov.'19 to 25th Sep'20)		Milestone-2 (From 26th Sep.'20 to 25th Nov.'20)		Achieved against 2nd Milestone		Milestone-3 (From 26th Nov.'20 to 25th Jan'21)		Achieved against 3rd Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount	%	Amount(Rs.)	%	Amount
	RCC Foundation/Column footing		-	100%	27,67,050.00	100%	27,67,050.00		-		
	Column & Beam		-	50%	4,61,175.00	50%	4,61,175.00	50%	4,61,175.00	50%	4,61,175.00
	Ground floor Slab		-		-		-	100%	9,22,350.00		
	Column & Beam		-		-		-		-		
	Roof Slab		-		-		-		-		
	Brickwork & Plaster		-		-		-		-		
	Finishing Work		-		-		-		-		
4	Sludge Thickener Area										
	CIVIL WORK										
	Site Clearance	100%	1,00,000.00		-		-		-		
	Excavation	100%	7,37,880.00		-		-		-		
	PCC	100%	11,06,820.00		-		-		-		
	RCC Foundation wall/base slab		-	100%	36,89,400.00	100%	36,89,400.00		-		
	Wall 50% of total lift work		-	100%	27,67,050.00	100%	27,67,050.00		-		
	Walls (balance 50% of Total Lift work)		-		-		-	60%	16,60,230.00		
	Finishing Work		-		-		-		-		
5	Inlet / Stilling Chamber Area										
	Site Clearance		-	100%	50,000.00	100%	50,000.00		-		
	Excavation		-	100%	2,45,960.00	100%	2,45,960.00		-		
	PCC		-	100%	3,68,940.00	100%	3,68,940.00		-		
	RCC Foundation/Column footing		-	100%	12,29,800.00	100%	12,29,800.00		-		
	Column & Beam		-		-		-	100%	9,22,350.00		
	RCC Slab		-		-		-		-		
	RCC Wall		-		-		-		-		
	Final finishing including Staircases,Railing,Shade,Painting, etc.		-		-		-		-		
6	Manual & Mechanical Fine Bar Screen Chamber Area										
	Site Clearance		-		-		-	100%	50,000.00		
	Excavation		-		-		-	100%	2,45,960.00		
	PCC		-		-		-	100%	3,68,940.00		
	RCC Foundation		-		-		-	100%	12,29,800.00		
	Column & Beam		-		-		-		-		
	RCC Slab		-		-		-		-		

SN	Description of Items	Milestone-1 (From 26th Nov.'19 to 25th Sep'20)		Milestone-2 (From 26th Sep.'20 to 25th Nov.'20)		Achieved against 2nd Milestone		Milestone-3 (From 26th Nov.'20 to 25th Jan'21)		Achieved against 3rd Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount	%	Amount(Rs.)	%	Amount
	RCC Wall		-		-		-		-		
	Walkway/Platform		-		-		-		-		
	Finishing Work		-		-		-		-		
7	Grit Chamber (Mechanical Cleaned) & (Manually Cleaned)						-				
	Site Clearance		-		-		-	100%	50,000.00		
	Excavation		-		-		-	100%	2,45,960.00		
	PCC		-		-		-	100%	3,68,940.00		
	RCC Foundation		-		-		-	100%	12,29,800.00		
	Column & Beam		-		-		-		-		
	RCC Slab		-		-		-		-		
	RCC Wall		-		-		-		-		
	Walkway/Platform		-		-		-		-		
	Finishing Work		-		-		-		-		
8	Flow Measurement Channel Area						-				
	Site Clearance		-		-		-	100%	50,000.00		
	Excavation		-		-		-	100%	2,45,960.00		
	PCC		-		-		-	100%	3,68,940.00		
	RCC Foundation		-		-		-	100%	12,29,800.00		
	Column & Beam		-		-		-		-		
	RCC Slab		-		-		-		-		
	RCC Wall		-		-		-		-		
	Walkway/Platform		-		-		-		-		
	Finishing Work		-		-		-		-		
9	Admin Bldg Area						-				
	Site Clearance	100%	1,00,000.00		-		-		-		
	Excavation	100%	3,68,940.00		-		-		-		
	PCC	100%	5,53,410.00		-		-		-		
	Column footings/Foundation		-	100%	18,44,700.00	100%	18,44,700.00		-		
	Column & Beam		-		-		-	100%	18,44,700.00		
	Ground Floor Slab		-		-		-		-		
	1st Floor Slab		-		-		-		-		
	Roof Slab		-		-		-		-		

SN	Description of Items	Milestone-1 (From 26th Nov.'19 to 25th Sep'20)		Milestone-2 (From 26th Sep.'20 to 25th Nov.'20)		Achieved against 2nd Milestone		Milestone-3 (From 26th Nov.'20 to 25th Jan'21)		Achieved against 3rd Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount	%	Amount(Rs.)	%	Amount
	Brickwork & Plaster		-		-		-		-		
	Finishing Work		-		-		-		-		
13	Sludge Dewatering System Area (Centrifuge Pump House, Sludge sump & Poly dosing tank)						-				
	Site Clearance		-		-		-	100%	1,00,000.00	100%	1,00,000.00
	Excavation		-		-		-	100%	6,14,900.00	100%	6,14,900.00
	PCC		-		-		-	100%	9,22,350.00		-
18	EXTERNAL DEVELOPMENT						-				-
A.	Roads, Storm Water Drain & Miscellaneous work		-		-		-		-		-
B.	Compound Wall with Gate		-		-		-		-		-
	Excavation & PCC	40%	24,59,600.00	20%	12,29,800.00	20%	12,29,800.00	20%	12,29,800.00	12%	7,37,880.00
	RCC Column footing	40%	24,59,600.00	20%	12,29,800.00	20%	12,29,800.00	20%	12,29,800.00	7%	4,30,430.00
	RCC Column & Beam	40%	24,59,600.00	20%	12,29,800.00	20%	12,29,800.00	20%	12,29,800.00		-
	Brickwork & Plaster		-	20%	12,29,800.00	20%	12,29,800.00	20%	12,29,800.00	5%	3,07,450.00
	Finishing Work		-		-		-		-		-
19	MPS-2 (115MLD)						-				-
	CIVIL		-		-		-		-		-
A	Construction of Raw Sewage Sump		-		-		-		-		-
	Site Clearance	100%	1,50,000.00		-		-		-		-
	Excavation	15%	5,17,760.10	85%	29,33,973.90	85%	29,33,973.90		-		-
	PCC		-	100%	23,01,156.00	100%	23,01,156.00		-		-
	RCC Foundation/Raft		-	50%	28,76,445.00	50%	28,76,445.00	50%	28,76,445.00	50%	28,76,445.00
	Wall 50% of total lift work		-		-		-	100%	38,35,260.00	15%	5,75,289.00
	Column & Beam		-		-		-		-		-
	Walls (balance 50% of Total Lift work)		-		-		-		-		-
	Ground Floor Slab		-		-		-		-		-
	Finishing Work		-		-		-		-		-
B	Construction of Inlet Chamber & Screen Channel		-		-		-		-		-
	Site Clearance	100%	50,000.00		-		-		-		-

SN	Description of Items	Milestone-1 (From 26th Nov.'19 to 25th Sep'20)		Milestone-2 (From 26th Sep.'20 to 25th Nov.'20)		Achieved against 2nd Milestone		Milestone-3 (From 26th Nov.'20 to 25th Jan'21)		Achieved against 3rd Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount	%	Amount(Rs.)	%	Amount
	Excavation		-		-		-	100%	6,81,824.00		-
	PCC		-		-		-	100%	10,22,736.00		-
D	MECHANICAL WORK		-		-		-		-		-
20	ICI Nala IPS		-		-		-		-		-
	CIVIL		-		-		-		-		-
A	Construction of Raw Sewage Sump		-		-		-		-		-
	Site Clearance	100%	1,50,000.00		-		-		-		-
	Excavation		-	100%	15,33,600.00	100%	15,33,600.00		-		-
	PCC		-	100%	10,22,400.00	100%	10,22,400.00		-		-
	RCC Foundation/Raft		-	50%	12,78,000.00	50%	12,78,000.00	50%	12,78,000.00		-
	Wall 50% of total lift work		-		-		-	100%	25,56,000.00		-
	Column & Beam		-		-		-		-		-
	Walls (balance 50% of Total Lift work)		-		-		-		-		-
	Ground Floor Slab		-		-		-		-		-
	Finishing Work		-		-		-		-		-
B	Construction of Inlet Chamber & Screen Channel		-		-		-		-		-
	Site Clearance		-		-		-	100%	50,000.00		-
	Excavation		-		-		-	100%	3,40,800.00		-
	PCC		-		-		-	100%	5,11,200.00		-
I	Construction of Boundary wall & Internal Road		-		-		-		-		-
	Site Clearance		-		-		-	100%	-		-
	Excavation & PCC		-		-		-	100%	3,19,605.00		-
	RCC Column footing		-		-		-	100%	4,26,140.00		-
	RCC Column & Beam		-		-		-		-		-
	Brickwork & Plaster		-		-		-		-		-
	Finishing		-		-		-		-		-
	Construction of Internal road		-		-		-		-		-
21	IPS-6 (Sundar Nagar- 20 MLD)-Pankha Area		-		-		-		-		-
	CIVIL		-		-		-		-		-
A	Construction of Raw Sewage Sump		-		-		-		-		-
	Site Clearance	100%	1,50,000.00		-		-		-		-

SN	Description of Items	Milestone-1 (From 26th Nov.'19 to 25th Sep'20)		Milestone-2 (From 26th Sep.'20 to 25th Nov.'20)		Achieved against 2nd Milestone		Milestone-3 (From 26th Nov.'20 to 25th Jan'21)		Achieved against 3rd Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount	%	Amount(Rs.)	%	Amount
	Excavation	11%	1,68,696.00	89%	13,64,904.00	89%	13,64,904.00		-		-
	PCC		-	100%	10,22,400.00	100%	10,22,400.00		-		-
	RCC Foundation/Raft		-		-		-	100%	25,56,000.00		-
	Wall 50% of total lift work		-		-		-	100%	25,56,000.00		-
	Column & Beam		-		-		-		-		-
	Walls (balance 50% of Total Lift work)		-		-		-		-		-
	Ground Floor Slab		-		-		-		-		-
	Finishing Work		-		-		-		-		-
B	Construction of Inlet Chamber & Screen Channel		-		-		-		-		-
	Site Clearance		-		-		-	100%	-		-
	Excavation & PCC		-		-		-	100%	4,26,000.00		-
	RCC Foundation/Raft		-		-		-	100%	4,26,000.00		-
D	Construction of Office Room		-		-		-		-		-
	Site Clearance		-		-		-	100%	-		-
	Excavation & PCC		-		-		-	100%	2,13,000.00		-
	RCC Foundation/column footing		-		-		-	100%	6,39,000.00		-
	Column & Beam		-		-		-	100%	2,13,000.00		-
	RCC Ground floor Slab		-		-		-		-		-
	RCC Roof Slab		-		-		-		-		-
	Brick work & Plaster		-		-		-		-		-
	Electrification, plumbing, fixtures		-		-		-		-		-
	Finishing work		-		-		-		-		-
E	Construction of Guard Room		-		-		-		-		-
	Site Clearance		-		-		-	100%	-		-
	Excavation & PCC		-		-		-	100%	2,13,000.00		-
	RCC Foundation/column footing		-		-		-	100%	6,39,000.00		-
	Column & Beam		-		-		-	100%	2,13,000.00		-
	RCC Ground floor Slab		-		-		-		-		-
	RCC Roof Slab		-		-		-		-		-
	Brick work & Plaster		-		-		-		-		-
	Electrification, plumbing, fixtures		-		-		-		-		-
	Finishing work		-		-		-		-		-

SN	Description of Items	Milestone-1 (From 26th Nov.'19 to 25th Sep'20)		Milestone-2 (From 26th Sep.'20 to 25th Nov.'20)		Achieved against 2nd Milestone		Milestone-3 (From 26th Nov.'20 to 25th Jan'21)		Achieved against 3rd Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount	%	Amount(Rs.)	%	Amount
F	Transformer Yard,DG Yard		-		-		-		-		-
	Site Clearance		-		-		-	100%	-		-
	Excavation & PCC		-		-		-	100%	6,39,210.00		-
	Foundation Work		-		-		-		-		-
	Finishing Work		-		-		-		-		-
22	I&D Works										
A	ICI Nala		-		-		-		-		-
	Construction Work		-	13%	2,89,120.00	13%	2,89,120.00	67%	14,90,080.00		-
	Tapping of Nallahs		-		-		-		-		-
	Electro-Mechanical work		-		-		-		-		-
	Testing		-		-		-		-		-
B	Thermal Nala -A		-		-		-		-		-
	Construction Work		-	13%	2,89,120.00	13%	2,89,120.00	67%	14,90,080.00		-
	Tapping of Nallahs		-		-		-		-		-
	Electro-Mechanical work		-		-		-		-		-
	Testing		-		-		-		-		-
C	Thermal Nala -B		-		-		-		-		-
	Construction Work		-	14%	3,11,360.00	14%	3,11,360.00	63%	14,01,120.00		-
	Tapping of Nallahs		-		-		-		-		-
	Electro-Mechanical work		-		-		-		-		-
	Testing		-		-		-		-		-
23	Rising Main Works										
A	ICI Nala Area		-		-		-		-		-
	Site Cleance from Client		-		-		-	50%	-		-
	Supply of Pipes		-		-		-		-		-
	Excavation,Laying & backfilling of Pipes		-		-		-		-		-
	Testing		-		-		-		-		-
B	Sundar Nagar IPS Area		-		-		-		-		-
	Site Cleance from Client		-		-		-	50%	-		-
	Supply of Pipes		-		-		-		-		-
	Excavation,Laying & backfilling of Pipes		-		-		-		-		-
	Testing		-		-		-		-		-
24	Sewer System Area (RCC Pipes-NP3 Types)										

SN	Description of Items	Milestone-1 (From 26th Nov.'19 to 25th Sep'20)		Milestone-2 (From 26th Sep.'20 to 25th Nov.'20)		Achieved against 2nd Milestone		Milestone-3 (From 26th Nov.'20 to 25th Jan'21)		Achieved against 3rd Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount	%	Amount(Rs.)	%	Amount
	Site Clearance		-	20%	-		-	20%	-		-
	Supply of pipes	16%	256,70,093.90	25%	401,13,568.00	25%	401,13,568.00	29%	465,31,738.88		-
	Excavation and Laying of pipes including bed preparation & backfilling		-	20%	20,05,678.40		-	35%	35,09,937.20		-
	Manholes		-	20%	20,05,678.40		-	35%	35,09,937.20		-
	Testing		-		-		-		-		-
	Road Restoration work		-		-		-		-		-
25	Design ,Supply,Testing & Commissioning of Sewer line (crossing National Highway-2 & Railway Track)						-				-
	Statutory approvals from Railway & Road dept		-	50%	-		-	50%	-		-
	Supply of Carrier & Casing Pipes		-		-		-	50%	56,24,167.50		-
	Construction of Pit		-	45%	4,16,671.30		-	55%	5,15,548.69		-
	Excavation & Laying of Pipes thru Jack push method		-		-		-	45%	25,59,915.54		-
	Testing		-		-		-		-		-
	Total Amount		1248,39,750.00				1204,11,721.90				61,03,569.00

2nd Milestone achieved	=	12.05%
Amount	=	1204,11,721.90
Extra work of 3rd milestone	=	61,03,569.00
Total Amount	=	1265,15,290.90
Total % achieved	=	12.67%

PHOTOGRAPHS OF PANKHA STP SITE



Ongoing works of MPS



Sundar Nagar IPS excavation



Ongoing Excavation work



Ongoing work of Labour Kitchen

6.2 MILESTONE WISE ACTIVITIES AND PROGRESS: UNNAO STP

Milestone wise activities and their progress of work for Unnao STP are given in table 6.2.

TABLE 6.2: UNNAO FACILITIES (DISTRICT UNNAO)

Sr. No.	Description of Items	Milestone-1 Achieved (From 11th Oct.'19 to 25th Sept'20)		Milestone-2 (From 26th Sep'20 to 25th Nov.'20)		Milestone-2 achieved		3rd Milestone works compensated against remaining works of 2nd milestone	
		Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial
I	Design & Drawing & STP & Sewer Laying works								
1	On approval of BEP	100%	191,34,500.0						
2	On approval of design & drawings for Civil & Sewerage works	25%	47,83,625.0	75%	143,50,875.0	75%	143,50,875.0		
II	CONSTRUCTION								
A	UNNAO STP (15 MLD)								
i)	SBR Basin Area								
1	Site Clearance	100%	5,00,000.0						
2	Excavation wall footing	100%	22,46,137.6						
3	PCC wall footing	100%	27,46,137.6						
4	RCC Foundation/Raft of wall		-	100%	54,92,275.2	100%	54,92,275.2		
5	Wall 50% of total upto base slab		-		-			20%	10,98,455.0
ii	Sludge Thickener Area								
1	Site Clearance	100%	1,50,000.0						
2	Excavation	100%	3,64,900.8						
3	PCC	50%	2,57,450.4	50%	2,57,450.4	50%	2,57,450.4		
4	RCC Foundation Wall/base slab		-	100%	6,86,534.4	50%	3,43,267.2		
5	Wall 50% of total lift work		-		-			100%	6,86,534.4
iii	Supernatant Sump Area								
1	Site Clearance	100%	1,00,000.0						
2	Excavation	100%	1,14,422.4						
3	PCC	100%	1,14,422.4						
4	RCC Foundation wall/base slab	100%	1,28,844.8		-				

Sr. No.	Description of Items	Milestone-1 Achieved (From 11th Oct.'19 to 25th Sept'20)		Milestone-2 (From 26th Sep'20 to 25th Nov.'20)		Milestone-2 achieved		3rd Milestone works compensated against remaining works of 2nd milestone	
		Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial
5	Wall 50% of total lift work		-	100%	1,43,044.8	100%	1,43,044.8		
6	Walls (balance 50% of Total Lift work)		-	100%	1,71,633.6	0%			-
iv	Chlorination Tank Area								
1	Site Clearance	100%	1,50,000.0						
2	Excavation	100%	4,22,112.0						
3	PCC	100%	5,72,112.0		-				
4	RCC Foundation/Raft	100%	9,15,000.0		-				
5	Wall 50% of total lift work		-	100%	8,58,168.0	100%	8,58,168.0		-
v	Air Blower Room Area								
1	Site Clearance	100%	2,50,000.0						
2	Excavation	100%	3,43,267.2						
3	PCC	100%	3,43,267.2		-				
4	RCC Foundation/column footing		-	100%	6,86,534.4	100%	6,86,534.4		
5	Column & Beam		-	100%	6,29,801.6	100%	6,29,801.6		-
vi	Staff Quarter Area (G+1)								
1	Site Clearance	100%	50,000.0						
2	Excavation	100%	71,000.0						
3	PCC	100%	71,000.0		-				
4	RCC Foundation/column footing	100%	92,000.0		-				
5	Column & Beam		-	100%	92,000.0	100%	92,000.0		-
6	RCC Ground floor Slab		-	100%	92,000.0	100%	92,000.0		-
vii	Guard Room Area								
1	Site Clearance	100%	50,000.0						
2	Excavation	100%	82,211.2						
3	PCC	100%	82,211.2		-				

Sr. No.	Description of Items	Milestone-1 Achieved (From 11th Oct.'19 to 25th Sept'20)		Milestone-2 (From 26th Sep'20 to 25th Nov.'20)		Milestone-2 achieved		3rd Milestone works compensated against remaining works of 2nd milestone	
		Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial
4	RCC Foundation/column footing	100%	1,14,422.4		-				
5	Column & Beam	100%	1,14,422.4		-				-
6	RCC Ground floor Slab	100%	1,14,422.4		-				-
7	RCC Roof Slab		-	100%	1,14,422.4	100%	1,14,422.4		-
8	Brick work		-	100%	1,14,422.4	100%	1,14,422.4		-
9	Plaster		-	100%	1,14,422.4	0%			-
viii	Chlorination Room Area								
1	Site Clearance	100%	1,50,000.0		-				
2	Excavation	100%	4,57,689.6		-				
3	PCC	50%	2,28,844.8	50%	2,28,844.8	50%	2,28,844.8		
4	RCC Foundation/Column footing		-	100%	4,57,689.6	100%	4,57,689.6		-
5	Column & Beam		-	100%	4,57,689.6	100%	4,57,689.6		-
6	Ground floor Slab		-	70%	4,80,574.1	35%	1,68,200.9		-
ix	Admin Bldg Area (G+1)								
1	Site Clearance		-		-			100%	-
x	Sludge Dewatering System Area (Centrifuge Pump House, Sludge sump & Poly dosing tank)								
1	Site Clearance				-			100%	1,50,000.0
xi	Inlet Chamber Area								
1	Site Clearance		-	100%	1,50,000.0		1,50,000.0		
xii	Manual & Mechanical Fine Bar Screen Chamber Area								
1	Site Clearance			100%	1,50,000.0		1,50,000.0		
xiii	Grit Chamber Area								
1	Site Clearance			100%	1,50,000.0		1,50,000.0		
xiv	Parshall Flume Channel Area								

Sr. No.	Description of Items	Milestone-1 Achieved (From 11th Oct.'19 to 25th Sept'20)		Milestone-2 (From 26th Sep'20 to 25th Nov.'20)		Milestone-2 achieved		3rd Milestone works compensated against remaining works of 2nd milestone	
		Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial
1	Site Clearance			100%	1,50,000.0		1,50,000.0		
xviii	EXTERNAL DEVELOPMENT								
	Boundary Wall with Gate								
1	Site Clearance	100%	-						
2	Excavation	40%	1,33,900.0	30%	1,00,425.0	30%	1,00,425.0	20%	66,950.0
3	PCC	40%	2,00,850.0	25%	1,25,531.3	25%	1,25,531.3	20%	1,00,425.0
4	RCC Column footing	40%	2,00,850.0	25%	1,25,531.3	25%	1,25,531.3	20%	1,00,425.0
5	RCC Column & Beam	40%	2,00,850.0	25%	1,25,531.3	25%	1,25,531.3		-
6	Brickwork	15%	75,318.8	25%	1,25,531.3	25%	1,25,531.3	10%	50,212.5
C	MPS-40 MLD								
	Civil Work								
i	Construction of Raw Sewage Sump								
1	Site Clearance	100%	5,00,000.0						
2	Excavation		-		-			30%	4,77,444.0
D	SEWER SYSTEM AREA (3.2 Km)								
1	Site Clearance	100%	-						
2	Supply of pipes	20%	110,60,057.9	35%	193,59,095.7	35%	193,59,095.7		-
3	Excavation and Laying of pipes including bed preparation & backfilling		-	20%	11,08,732.3				-
4	Manholes		-	20%	7,37,489.4				-
	Total Amount		478,36,250.0		478,36,250.0		450,48,332.0		28,30,445.9
	Total progress in %		1st milestone=	12.50%	2nd milestone=	11.77	compensate work of 3rd milestone=	0.79	Total Progress = 12.56%

PHOTOGRAPHS OF UNNAO STP SITE



Inspection by CE, UPJN Lucknow on 19.11.2020



Brickwork of Guard Room



Ongoing work of Sludge Thickener



SBR Concrete work

7 PRESENT STATUS AND ISSUES OF HAM PROJECT KANPUR

7.1 PANKHA 30 MLD STP FACILITIES

- Approval of design & drawings completed;
- 1st milestone completed as per revised project schedule date i.e. on 25.09.2020;
- 2nd has also been completed as per revised project schedule date i.e. on 25.11.2020;
- Till November 2020, 25% work of total project cost has been completed.
- Construction work for SBR, BW, CCT, MPS excavation, sludge thickener, admin building and laying of sewer are under progress;
- Manpower deployment by the Concessionaire has been done but is not sufficient at all STP facilities. Total no. of workers deployed at site are 35-40 (as on 30.11.20) whereas 100-150 labours are required to speed up the works to attain targets. Construction work for SBR, BW, CCT, MPS and Sundar Nagar IPS works are under progress;

7.2 UNNAO 15 MLD STP FACILITIES

- Approval of design & drawings completed;
- 1st milestone completed as per revised project schedule date i.e. on 25.09.2020;
- 2nd has also been completed as per revised project schedule date i.e. on 25.11.2020;
- Till November 2020, 25% work of total project cost has been completed.
- New land for I&D works has been identified and acquisition is in process;
- Manpower deployment by the Concessionaire has been done but is not sufficient. Total nos. of workers deployed at site 35-40 (as on 30.11.20) whereas 100-150 labours are required to speed up the works to attain targets.
- Construction work for SBR, BW, labour hutment facilities and lab establishment under progress;

7.3 SHUKLAGANJ 5 MLD STP FACILITIES

CTE was not granted by UPPCB on the previously allotted land. Now new site, about 400m away from previous site is selected. CTE has been obtained on 10.07.2020. At present, Layout plan has been finalized, Geotech survey has been completed and BEP approval is in process. However, the site clearance cannot be done as there is dispute / problem of local inhabitants as two houses are in the area of STP land.

After intervention of District Administration, Unnao the excavation works related to the boundary wall of proposed STP was started in the presence of police administration. But the work was again stopped as the two house owners have compliant to DM, Unnao their land is legal. The matter is under investigation with District Administration, Unnao.

7.4 JAJMAU (PHASE – 1) 130 MLD STP AND IPS REHABILITATION

- Handing over is planned by UPJN by 19.07.2020 as agreed by concessionaire but could not materialised due to labour issue.
- CTO received in 10.06.2020.
- **Revised GA & RCC design and drawing for CCT and TEPH:**

PE has vetted the submittals and recommended for approval vide STC letter no.588 dated 04.11.2020 and the same has been approved by UPJN vide letter no.3035/w-30/42 dated 09.11.2020.

7.5 43 MLD JAJMAU PHASE II

- The plant is ready to handover to concessionaire. UPJN has written to the concessionaire to deploy adequate staff for O&M of the plant immediately.
- CTO received on 10.08.2020.
- **Handover of 43 MLD STP Jajmau Ph-II:**

In the online review meeting held on 12.10.2020 under the chairmanship of ED (Project), NMCG, New Delhi, it was direct to carry out joint inspection of 43 MLD STP by UPJN and KRMPPL within 3 days from review meeting. Despite of several telephonic requested by PM-1, KRMPPL has not nominated any official from their side, as a result of which joint inspection was got delayed. PM-1 directed KRMPPL to nominate the official for the same and instructed to inform before 23.11.2020 vide UPJN letter no.3087/w-32/20 dated 19.11.2020.

KRMPPL and UPJN has mutually decided to conduct a joint inspection on 02.12.2020 for handover of the 43 MLD Jajmau facility P-II.

7.6 210 MLD BINGAWAN FACILITIES

The schedule date of handover of 210 MLD Bingawan Facilities as per CA was 01/04/2019 but actually could be handed over on 08/07/2019. From handover date itself it was observed and informed from time to time to Concessionaire that the operation and maintenance of the plant was not up to the mark. **Commercial Operation Date of Bingawan facility declared by UPJN as 10.08.2020 vide their letter no 2324/w-37/100 dated 10.09.2020.** O&M bill for Bingawan for first quarter that is from 10.08.2020 to Oct. 2020 has been submitted by KRMPPL and it is under process for payment.

Renovation (installation of RTLOMS and rectification of pumps) completion certificate has been issued by UPJN as 10.08.2020 vide UPJN letter no. 2033/w-37/67 dated 18.08.2020 but calibration certificate with witness certificate is yet to be submitted by KRMPPL.

Out of 2 nos. electro-magnetic flow meters in inlet, 01 no. has been installed at site and it has been synchronised with RTLOMS. It is not calibrated. Need to be provided calibration report. Another 2nd no. electro -magnetic flow meters has not been installed yet.

Electromagnetic flow meter is also to be installed at the outlet channel and to be synchronised with RTOLMS.

Following points need to be addressed:

i. Compliance of Inspection Report

PE inspected 210 MLD Bingawan STP on 12.11.2020 and issued inspection report on 21st November 2020. Compliance report on Inspection note at Bingawan facilities on 21.11.2020 has not been submitted by KRMPPL. Since 28th January 2020 rectification of defects indicated in

different inspection reports has not been done by the KRMPL and they are extending dates continuously every month. Copy of Inspection report of Bingawan site is enclosed.

ii. O&M Manual

Revised O&M manual of Bingawan approved by UPJN vide UPJN letter no. 2088/w-37/71 on 24.08.2020.

iii. Insurance Policies

Only All Risk Industrial Insurance Policy has been submitted and remaining policies are not submitted after so many reminders. Comprehensive General Liability Policies submitted by concessionaire is not acceptable. Notarized Industrial all risk policy for Bingawan has been submitted by KRMPL on 26.08.2020 on which PE submitted the point-wise comments on 28.08.2020. The issue of insurance policies was discussed in the NMCG meeting dated 12.10.2020 and the concessionaire has been instructed to address the issue of insurance policies as per article 11.2 of CA. Reminder letter regarding renewal of All Risk policies no. 12157877 for Bingawan facility for O&M period has been issued to concessionaire vide STC letter no. 604 dated 26.11.2020 and UPJN endorsed the same vide their letter no. 3141/w-37/140 dated 26.11.2020.

iv. Performance of Plant

a. Cleaning and reactivation of UASB Reactors:

All the KPIs are not being met during the month of November 2020. Out of 16 no's reactors, UASB reactor no. 1, 4 & 8 has been filled for reactivation after cleaning. Reactor no. 2 & 3 has been taken up for cleaning from 4.08.2020 & 20.08.2020 but not completed by the end of Nov. 2020. The Concessionaire has not submitted the action plan for cleaning and reactivation of UASB reactors but taking randomly for cleaning and reactivation. Performance report of November 2020 enclosed.

b. **BFP:** Out of 3, only 2 no. Bed filter press is in working condition but concessionaire is using only 1 BFP because of only 01 no. of trolley is available at site. The Concessionaire has promised that one more BFP will be made operational by 15.10.2020 again extending the date from 15.10.2020 to 31.12.2020.

It was always required to run 2 nos. filter press at a time. So, 2 nos. tractors and 3 nos. trolleys always needed at site for disposal of the dewatered sludge.

All 3 nos. of poly dosing pumps installed, 2 nos. are in not working condition due to diaphragm portion is fully damage.

v. Joint Sampling and Testing by IIT Kanpur

It was decided in the meeting of GM GPCU UPJN on 16-12-2019 (MOM issued vide letter no. 3847/M-2A/116 dated 18-12-2019) that at least once in a month joint sampling of raw sewage and treated effluent will be done by UPJN and KRMPL and testing to be done by IIT Kanpur. KRMPL has taken the sample jointly on 10.11.2020 for testing. Testing report from Spectra research Lab ventures (P) Ltd. of the Joint sample taken on 29.09.2020, 16.10.2020 and 10.11.2020 has not been submitted by concessionaire.

vi. Gas Holder

Out of 2 no's only 1 no. Gas Holder is in working condition. Concessionaire has promised to repair the gas holder no. 2 by 10.11.2020 but not rectified till the end of month of November 2020.

vii. Schedule Maintenance Works for the year 2020-21

Schedule maintenance works as per approved O&M manual were to be started from 1/08/2020, but not started yet.

viii. KPIs Adherence Report

KPIs Adherence report from January 2020 to October 2020 has been submitted by STC vide their letter no.595 dated 19.11.2020.

7.7 42 MLD SAJARI STP

As per CA, Schedule Handing over date for Sajari is effective date (11.10.2019) but plant was handed over to the KRMPPL on 29.05.2019. O&M expenditure from 29.05.2019 until effective date 11.10.2019 has been paid to KRMPPL separately which is not covered under CA. Till Dec. 2019 KPIs (especially COD) of treated effluent was not under control and KRMPPL was asked by NMCG to suggest improvements for COD to be within prescribed limit. KRMPPL proposed to add one additional Aeration Tank on 07.12.2019.

Mr. Madhav Kumar NMCG requested Mr. S. Kamaraju Process Expert STC to visit the Sajari Plant to give his recommendations. Mr. S. Kamaraju Process Expert visited the Sajari Plant on 27-28 Dec 2019 and concluded that the Sajari Plant is designed for all 12 aerators to run without any standby but the plant was being run with 8 aerators only keeping 4 aerators as stand by. All the aerators got functional on 04.02.2020 in the presence of O&M engineer PE. After that it has been observed that since 04/01/2020 all the parameters of treated effluent are within prescribed limits except for the days when parameters of raw sewage are above the prescribed limits for which concessionaire is not responsible. Therefore there is no need for any improvement as suggested by KRMPPL.

Commercial Operation Date was declare as 20.06.2020 vide UPJN letter no. 1545/w-20/127 dated 17.06.2020 and **Revised Commercial Operation Date i.e. 11.10.2019 of Sajari facility was declared by UPJN vide their letter no. 2574/w-20/267 dated 26.09.2020.**

Following Points needs to be addressed:

i. Compliance of Inspection Reports

Compliance report of Inspection held at 42 MLD STP on 25.11.2020 and inspection report issued on 27.11.2020 has not been submitted by the concessionaire. Rectification of defects indicated in different inspection reports from the start of the project has not been done by the KRMPPL and they are extending dates continuously every month. Copy of Inspection report of Sajari site is enclosed.

ii. O&M Manual

O&M Manual already approved by UP Jal Nigam.

iii. Insurance Policies

Only All Risk Industrial Insurance Policy has been submitted and remaining policies are not submitted after so many reminders. Comprehensive General Liability Policies submitted by concessionaire is not acceptable. Notarized Industrial all risk policy for Sajari has been submitted by KRMPPL on 28.08.2020 on which PE submitted the point-wise comments on 31.08.2020. No action taken by concessionaire on STC's comments.

Reminder letter regarding renewal of All Risk policies no. 12157905 for Sajari facility for O&M period has been issued to concessionaire vide STC letter no. 604 dated 26.11.2020 and UPJN endorsed the same vide their letter no. 3141/w-37/140 dated 26.11.2020.

iv. Performance of Plant:

All KPIs are within prescribed limit for the month of November 2020 except the dates when the parameters of raw sewage are beyond prescribed limit for which concessionaire is not responsible. Performance Report of November 2020 enclosed.

a) Mechanical Screens (Coarse & Fine Screens)

Auto System of Both Mechanical Screens still not repaired.

b) Gas Generators

All 3 no's of Gas Generators installed are not operational since handover date. KRMPPL had promised previously to get all the 3 gas generators operational by 30.06.2020 vide KRMPPL letter no. 453 dated 11.06.2020 and then extended the date to 30.09.2020 but no action has been taken by concessionaire till the end of Nov. 2020.

v. Joint Sampling and Testing by IIT Kanpur

It was decided in the meeting of GM GPCU UPJN on 16-12-2019 (MOM issued vide letter no 3847/M-2A/116 dated 18-12-2019) that atleast once in a month joint sampling of raw sewage and treated effluent will be done by UPJN and KRMPPL and testing to be done by IIT Kanpur. KRMPPL has took the sample jointly on 09.11.2020 and sent it for testing. Testing reports from NABL accredited Laboratory Spectro Research Lab Ventures (P) Ltd of joint samples taken on 18.08.2020, 15.09.2020, 19.10.2020 and 09.11.2020 has not been submitted by the concessionaire.

vi. Power backup and Online Monitoring System

DG set for power backup has been made operational by UPJN on 14.07.2020. Online monitoring system has been installed and synchronised but to be calibrated.

vii. Work plan For Sludge Disposal

Work plan for sludge disposal on UPJN identified land has been submitted by the concessionaire but not following the work plan as submitted. Concessionaire has not submitted the monthly sludge disposal record yet.

viii. Submission of Schedule Maintenance Programme

Concessionaire has not done the scheduled maintenance works for the current year as per approved O&M Manual and submission of schedule maintenance programmes for the next year is still pending from the Concessionaire side.

ix. Invoice for O&M charges for Sajari

Invoice has been raised for O&M charges of Sajari from 11.10.2019 to 30.09.2020 by the concessionaire vide their letter no. 699 dated 15.10.2020. KPIs adherence reports have been submitted by STC.

x. Power Charges Reimbursement

KRMPPL has raised the reimbursement of the Power charges of Sajari facility for the month of July-Sept. 2020 vide their letter no.752 dated 06.11.2020 but concessionaire has not paid the power charges for the month of July-Sept. 2020 to the power

department (KESCO) and the power connection has been disconnected by the power department.

GENERAL ISSUES

- 1) Power Back- up to be provided at all locations as per Article 8.7 (b) which is not being accepted by KRMPL.
- 2) As per Article 8.8 (a): At each STP/Pumping Station (new or existing) of all locations, the Concessionaire shall install and maintain an online monitoring system, in accordance with the Technical Specifications and Applicable Laws (including specifically, the EPA) to monitor the volume, specifications and characteristics of the incoming Sewage and the Treated Effluent, as applicable.
- 3) As per Article 11.2: During the O&M Period of the Facilities, the Concessionaire shall obtain and maintain insurance policies including but not limited to the following:
 - (i) loss, damage or destruction of the Facilities, at replacement value;
 - (ii) comprehensive third party liability insurance including injury to or death of personnel of the Jal Nigam or NMCG or others caused by the Project;
 - (iii) the Concessionaire's general liability arising out of the Project;
 - (iv) liability to third parties for goods or property damage;
 - (v) workmen's compensation insurance; and
 - (vi) any other insurance that may be necessary to protect the Facilities, the Concessionaire and its employees, including for all Force Majeure Events that are insurable at commercially reasonable premiums and not otherwise covered in items (i) to (v) above.

8 STATUS OF BEP & OTHER DETAILS

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

Table 6.2: BEPs and other details

SN	Particulars	Status	
		Approved	Pending
1.	BEPs (Process, Mechanical & Electrical)	<p>GA, Data Sheet and QAP of centrifuge, submersible pump and mechanical grid collection system, Unnao-reviewed & recommended for approval on 25.02.20</p> <p>GA, Data Sheet and QAP of centrifuge, submersible pump and mechanical grid collection system, Pankha-reviewed & recommended for approval on 28.02.20;</p> <p>BEP process for 130 MLD Jajamu recommended for approval vide STC letter no. 570 dated 24.10.2020 and same has been approved by UPJN vide letter 2930/w-30/39 dated 27.10.2020</p> <p>Electrical load list & SLD recommended it for approval vide their letter no.567 dated 22.10.2020</p>	<p>Revised GA & RCC design and drawing for CCT and TEPH for 130 MLD STP Jajmau is pending as there was a level mismatch in between existing HFD and RCC or GA.</p>
2.	BEP Structure Design & Drawings	<p>SBR Rev Structural design drawing, Unnao-recommended for approval on 30.06.20</p> <p>Guard Room design, Unnao- recommended for approval on 01.04.20</p> <p>SBR REV-RCC design drawing, Unnao- recommended for approval on 11.04.20</p> <p>PTU Rev Structural design drawing, Unnao-recommended for approval on 11.04.20</p> <p>Staff Quarters Revised RCC design of Unnao STP-recommended for approval on 15.04.20</p> <p>Rev Structure design of Blower Room of Unnao STP-recommended for approval on 16.04.20</p> <p>ADMIN build drawing, Unnao- recommended for approval on 10.04.20</p> <p>Sludge thickener & Sludge re-circulation Sump Rev. Structural drawing, Unnao- recommended for approval on 11.04.20</p> <p>CCT Rev Structure design drawing, Unnao-recommended for approval on 10.04.20</p> <p>Blower Room Structure drawing and design of Pankha STP- recommended for approval on 30.04.20</p> <p>Structure drawing of CCT & TEPH, Jajmau-recommendations for approval on 06.03.20</p> <p>Electrical drawing, Pankha- recommendations for approval on 17.03.20</p> <p>Structure drawing, Unnao MPS- recommended for</p>	<p>Acquisition of land for I&D works Unnao is under progress;</p> <p>Compliance of comments for Boundary wall is due at KRMP. Height of Boundary wall of Shuklaganj STP shall be as per CTE received from UPPCB</p>

		<p>approval on 29.02.20</p> <p>Revised drawing of boundary wall, Unnao-recommended for approval on 29.02.20</p> <p>CTE for Shuklaganj STP received from UPPCB dated 10.07.2020</p> <p>GA, data sheet & QAP - Fine screen, coarse screen and belt conveyor for Unnao vetted by letter no. 455 dated 13.08.2020</p> <p>GA, data sheet & QAP - Centrifuge feed pump Unnao vetted by STC letter no. 463 dated 18.08.2020</p> <p>GA, data sheet & QAP for Dosing Pump –Unnao Vetted by STC letter no. 482 dated 03.09.2020</p> <p>BEP (R5) for Shuklaganj STP recommended for approval on 24.10.20</p> <p>Civil GAD for 5 MLD Shuklaganj STP recommended for approval on 27.11.20</p>	
3.	Construction Plan	<p>Revised construction plan Pankha-recommended for approval on 18.06.20 & 29.07.20 without extending completion date.</p> <p>Revised construction plan Unnao-recommended for approval by STC letter vide on 441 dated 31.07.2020 without extending completion date</p>	
4.	Sewer Network/Line Design	<p>Design and drawings of sewer work Pankha-recommended for approval On 10.02.20</p> <p>Design and drawings of sewer work Unnao-recommended for approval On 20.02.20</p>	
5.	ESHS Plan	<p>ESHS approval-Already vetted by STC. Approved by UPJN on 26.09.19</p>	
6.	O&M	<p>Bingawan RTOLMS - Reviewed & found in order. Recommended for approval on 03.12.19/ 19.12.19 with some conditions</p> <p>Level transmitter & flow metre - vetted & approved on 27.12.19</p> <p>Bingawan O&M manual - approved</p> <p>Sajari O&M manual – Approved</p> <p>43 MLD Jajmau STP is ready to be handed over to the Concessionaire.</p>	<p>Only All Risk Industrial Insurance Policy has been submitted and remaining policies are not submitted after so many reminders. Comprehensive General Liability Policies submitted by concessionaire is not acceptable.</p> <p>43 MLD Jajmau STP - UPJN has written to the Concessionaire to deploy adequate staff for operation of the plant immediately</p>

9 MEETINGS HELD / MINUTES OF MEETING

- i. A meeting was held by CE, UPJN Kanpur on dated 09.11.2020 to discuss progress of HAM Project Kanpur. MOM attached in annexure
- ii. A meeting was held by CE, UPJN Kanpur on dated 23.11.2020 to discuss progress of HAM Project Kanpur.

ANNEXURE

ANNEXURE 1: Progress of Work – HAM Project Kanpur

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 Concessionaire	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
01.11.20	Sunday												
02.11.20	Submission of technical data sheet & QAP of Decanter & Diffuser.	26.10.20 UPJN/230 7/w- 21/54	02.11.20 S-585	7	20			C.M.Dimri J.P.Tripathi S Basutkar O.P. Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1+ 1+1+1+1+1+1				Vetted & Recommended for approval
02.11.20	Admin building at 15 MLD STP Unnao.	08.10.20 K-683 & 31.10.20	02.11.20 S-586	2	20			C.M.Dimri J.P.Tripathi P. Walunjkar O.P.Asati Ajay	1+1+1+1+1+1+ 1+1+1+1+1+1				Under Review

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 Concessionaire	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
		S-584						Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul					
03.11.20	Admin building at 15 MLD STP Unnao.	08.10.20 K-683 & 31.10.20 S-584	02.11.20 S-586	2	20			C.M.Dimri J.P.Tripathi O.P.Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1+ 1+1+1+1+1				Vetted & Recommended for approval
04.11.20	Compliance Submission of sewer bedding	02.11.20 K-741	04.11.20 S-587	2	20	-	-	C.M.Dimri J.P.Tripathi O.P.Asati	1+1+1+1+1+1+ 1+1+1+1+1	-	-	-	

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 Concessionaire	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
	calculation R-4 for Pankha facilities.							Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul					
04.11.20	Vetting & Approval of RCC design & drawing for CCT , Treated effluent sump & pump house along with layout and GA for Jajmau 130 MLD.	19.10.20 K-711	04.11.20 S-588	16	20			C.M.Dimri J.P.Tripathi O.P.Asati P. Walunjkar Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1+ 1+1+1+1+1+1				Vetted & Recommended for approval

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 Concessionaire	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
04.11.20	Claim for O&M charges for Bingawan due to Covid-19	23.10.20 K-726	04.11.20 S-589	12	20			C.M.Dimri J.P.Tripathi O.P.Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1+ 1+1+1+1+1				
05.11.20	Claim for O&M charges for Bingawan due to Covid-19	23.10.20 K-726	04.11.20 S-589	12	20			C.M.Dimri J.P.Tripathi S. Kamaraju O.P.Asati P. Walunjkar Ajay Priyesh Vikas Satendra Lokesh Kapil	1+1+1+1+1+1+ 1+1+1+1+1+1+ 1				

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 Concessionaire	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
								Mahendra Rahul					
06.11.20	Approval of sewer bedding calculation R-5 for Pankha facilities.	06.11.20 K-749	6.11.20 S-591	0	20			C.M.Dimri J.P.Tripathi S. Kamaraju O.P.Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1+ 1+1+1+1+1+1				Vetted & Recommended for approval
06.11.20	Compliance to inspection done at Bingawan STP on 21.10.20	02.11.20 K-740	06.11.20 S-592	4	20			C.M.Dimri J.P.Tripathi O.P.Asati Ajay Priyesh Vikas Satendra	1+1+1+1+1+1+ 1+1+1+1+1				

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 Concessionaire	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
								Lokesh Kapil Mahendra Rahul					
07.11.20	Deduction against Sajari O&M charges.	07.11.20 K-746	07.11.20 S-593	0	20			C.M.Dimri J.P.Tripathi O.P.Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1+1+1+1+1				
08.11.20	Sunday					-	-			-	-	-	
09.11.20	Submission of cost implication due to change infos for design and drawing	06.11.20 K-749	09.11.20 S-594	3	20			C.M.Dimri J.P.Tripathi Anil Seth O.P.Asati	1+1+1+1+1+1+1+1+1+1				

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 Concessionaire	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
	of bedding for sewerage network for 30 MLD Pankha.							Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul					
10.11.20	High COD in incoming Sewage at Bingawan STP.	4.11.20 UPJN-2995/W-30/310	10.11.20 S-595	4	20			C.M.Dimri J.P.Tripathi Anil Seth O.P.Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1+ 1+1+1+1+1+1				
11.11.20	Monthly	11.11.20	28.11.20	17	20			C.M.Dimri	1+1+1+1+1+1+				Under

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 Concessionaire	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
	Report on 42 MLD Sajari Facilities for October 20.	K-758	S-607					J.P.Tripathi Anil Seth O.P.Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1				Review
12.11.20	Monthly Report on 42 MLD Sajari Facilities for October 20.	11.11.20 K-758	28.11.20 S-607	17	20			C.M.Dimri J.P.Tripathi S. Kamaraju Anil Seth O.P.Asati Ajay Priyesh Vikas Satendra Lokesh	1+1+1+1+1+1+ 1+1+1+1+1+1+ 1				Under Review

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 Concessionaire	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
								Kapil Mahendra Rahul					
13.11.20	Holiday												
14.11.20	Second Saturday												
15.11.20	Sunday												
16.11.20	Holiday												
17.11.20	Monthly Report on 42 MLD Sajari Facilities for October 20.	11.11.20 K-758	28.11.20 S-607	17	20			C.M.Dimri J.P.Tripathi S. kamaraju Anil Seth O.P.Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1+ 1+1+1+1+1+1+ 1				
18.11.20	Inspection							C.M.Dimri	1+1+1+1+1+1+				Pankha STP

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 Concessionaire	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
	Note of Pankha STP Site							J.P.Tripathi Anil Seth O.P.Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1				Site Visit with UPJN and KRMPL.
19.11.20	Hoist Gad , data sheet and QAP documents Send to Expert by mail.				20	-	-	C.M.Dimri J.P.Tripathi S Basutkar Anil Seth O.P.Asati Ajay Priyesh Vikas Satendra Lokesh	1+1+1+1+1+1+1+1+1+1+1	-	-	-	For Expert Review

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 Concessionaire	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
								Kapil Mahendra Rahul					
20.11.20	Extended SBC report for 5 MLD STP Shuklaganj send to Expert.				20			C.M.Dimri J.P.Tripathi Anil Seth O.P.Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1+ 1+1+1+1+1+1	-	-	-	For Expert Review
21.11.20	Inspection Report of 210 MLD Bingawan facilities ,inspection done on 12.11.20		21.11.20 S-597		20			C.M.Dimri J.P.Tripathi Anil Seth O.P.Asati Ajay Priyesh	1+1+1+1+1+1+ 1+1+1+1+1+1				

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 Concessionaire	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
								Vikas Satendra Lokesh Kapil Mahendra Rahul					
21.11.20	Pankha STP: Submission of Hoist GAD datasheet and QAP for approval.	18.11.20 K-761	21.11.20 S-598	3	20			C.M.Dimri J.P.Tripathi S Basutkar Anil Seth O.P.Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1+1+1+1+1+1	-	-	-	Vetted & Recommended for approval
22.11.20	Sunday												
23.11.20	Approval of	18.11.20	23.11.20	5	20			C.M.Dimri	1+1+1+1+1+1+	-	-	-	

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 Concessionaire	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
	equipment specification for Shuklaganj and Unnao .	K-761	S-601					J.P.Tripathi S Basutkar Anil Seth O.P.Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1+1				
24.11.20	Submission of RCC design - Boundary Wall - Shuklaganj 5 MLD STP send to Expert by mail.				20			C.M.Dimri J.P.Tripathi Anil Seth O.P.Asati Ajay Priyesh Vikas Satendra Lokesh	1+1+1+1+1+1+1+1+1+1+1+1	-	-	-	For expert review

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 Concessionaire	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
								Kapil Mahendra Rahul					
25.11.20	Submission of design drawing for boundary wall at 5MLd Shuklaganj	18.11.20 K-762	25.11.20 S-603	7	20			C.M.Dimri J.P.Tripathi Anil Seth O.P.Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1+ 1+1+1+1+1+1	-	-	-	
26.11.20	Renewal of industrial all risk policies Nos 12157877 and 12157905 for		26.11.20 S-604		20	-	-	C.M.Dimri J.P.Tripathi Anil Seth O.P.Asati Ajay	1+1+1+1+1+1+ 1+1+1+1+1+1	-	-	-	

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 Concessionaire	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
	Bingawan & Sajari respectively for O&M period.							Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul					
27.11.20	Submission of civil Gad for 5 MLD STP Shuklaganj.	18.11.20 K-763	27.11.20 S-605	9	20			C.M.Dimri J.P.Tripathi Anil Seth O.P.Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1+1+1+1+1+1+1				
27.11.20	Inspection Report of 42 MLD Sajari		27.11.20 S-606	-	20	-	-	C.M.Dimri J.P.Tripathi	1+1+1+1+1+1+1+1+1+1+1+1	-	-	-	

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 Concessionaire	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
	facilities ,Inspection done on 25.11.20							Anil Seth O.P.Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul					
28.11.20	Observation on Monthly Activity report of 42 MLD Sajari facilities for October 20.		28.11.20 S-607		20	-	-	C.M.Dimri J.P.Tripathi Anil Seth O.P.Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1+1+1+1+1+1	-	-	-	

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 Concessionaire	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
28.11.20	Approval of Equipment Specification for Unnao facilities.	18.11.20 K-759A	28.11.20 S-608	10	20			C.M.Dimri J.P.Tripathi S Basutkar Anil Seth O.P.Asati Ajay Priyesh Vikas Satendra Lokesh Kapil Mahendra Rahul	1+1+1+1+1+1+1+1+1+1+1				
28.11.20	Compliance report of Minutes of the meeting for review of progress of Kanpur STP Project Under HAM dated 12.10.20	Email of PM-1, UPJN Kanpur 25.11.20	28.11.20 S-609	3	20			C.M.Dimri J.P.Tripathi Anil Seth O.P.Asati Ajay Priyesh	1+1+1+1+1+1+1+1+1+1+1				

Note: Man-days and respective inputs of experts for the month of November 2020 are:

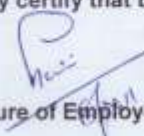
SN	Name	Designation	Total Man-days	Input
1.	Mr. Chandra Mauleshwar Dimri	Senior Civil Engineer	30	Timesheet attached
2.	Mr. Jai Prakash Tripathi	O&M Engineer	30	Timesheet attached
3.	Mr. Anil Kumar Seth	Senior Electrical Engineer	15	Timesheet attached
4.	Mr. Satish Kamaraju	Process Expert	04	Timesheet attached
5.	Mr. Sunil Basutkar	Senior Mechanical Engineer	05	Timesheet attached
6.	Mr. P. Walunjkar	Structural Engineer	03	Timesheet attached
7.	Mr. OP Asati	O&M Engineer	26	Timesheet attached

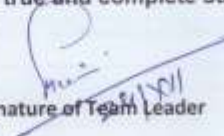
Annexure 2: Timesheets of Experts

Mr. C.M. Dimri (Senior Civil Engineer)

Project Engineer		Shah Technical Consultants Pvt Limited	
NMCg-STP Projects at Kanpur under Hybrid Annuity based PPP Mode			
Daily Report			
Name :	Er. C.M.Dimri	Month/Year:	
Position:	Senior Engineer Civil cum T.L.	Nov-20	
Date	Description	Location	
1	Sunday	Kanpur	
2	Unnao Tech.Data Sheet,QAP Decanter and diffuser vetted	Kanpur	
3	Off. W./ Pankha Tech.Data Sheet,QAP Decanter/ diffuser vetted	Kanpur	
4	office work/Pankha bedding calculations appraised	Kanpur	
5	office work/Pankha bedding calculations load factor discussed	Kanpur	
6	Inspection of Pankha facility site	Kanpur	
7	office work/ Sewer bedding extra cost discussed with GM /KRMP	Kanpur	
8	SUNDAY	Kanpur	
9	office work/Attended meeting with CE Kanpur	Kanpur	
10	Civil GAD of various units of Shukla ganj STP reviewed	Kanpur	
11	MOM of CE Kanpur meeting dt 9 Nov discussed with CE	Kanpur	
12	GAD of Shuklaganj discussed with expert	Kanpur	
13	Deepawali holiday	Kanpur	
14	Deepawali holiday	Kanpur	
15	SUNDAY	Kanpur	
16	Deepawali holiday	Kanpur	
17	Daily report of Sajari and Bingwan reviewed	Kanpur	
18	Design of Shuklaganj STP Boundary wall reviewed	Kanpur	
19	Pankha and Unnao Hoist GAD discsed with expert	Kanpur	
20	Geotech report discussed with VP/Vetting boundarywall	Kanpur	
21	office work/ I&D Unnao appraisal	Kanpur	
22	SUNDAY	Kanpur	
23	Meeting attended at Chief Engineer Kanpur	Kanpur	
24	discussion with UPJN about progress of Pankha facility	Kanpur	
25	Appraisal of GAD Shuklaganj facilities	Kanpur	
26	office work / discussion with NMCg about monthly progress	Kanpur	
27	Discussion with NMCg about status of BEPs	Kanpur	
28	office work / discussion with UPJN about MoC finalisation	Kanpur	
29	SUNDAY	Kanpur	
30	HOLI DAY	Kanpur	

I hereby certify that the time report above is a true and complete statement of my working time

Signature of Employee 

Signature of Team Leader 

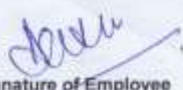

Mr. J. P. Tripathi (O&M Engineer)

Project Engineer		Shah Technical Consultants Pvt Limited	
NMCg-STP Projects at Kanpur under Hybrid Annuity based PPP Mode			
Daily Report			
Name :	JAI PRAKASH TRIPATHI		Month/Year:
Position:	O & M ENGINEER		Nov-20
Date	Description	Location	
1	Sunday		
2	Prepared Time sheet and Invoice of Oct. 2020	Kanpur	
3	Reviewed the claim submitted by KRMPL for O & M charges for Bingawan due to COVID-19 lockdown	Kanpur	
4	Wrote letter to GM GPCU UPJN regarding claim for O & M charges for Bingawan due to COVID- 19 lockdown	Kanpur	
5	Discussed with Mr. S. Kamraju Process Expert regarding high COD in incoming sewage at Bingawan STP	Kanpur	
6	Wrote letter to GM GPCU UPJN regarding Compliance to inspection done at Bingawan STP on 21.10.2020.	Kanpur	
7	Wrote letter to GM GPCU UPJN regarding deductions against Sajari O & M charges	Kanpur	
8	Sunday		
9	Helped in preparing the KPIs Adherence Report for Bingawan Facilities	Kanpur	
10	Wrote letter to GM GPCU UPJN regarding high COD in incoming sewage at Bingawan STP	Kanpur	
11	Corrected KPIs Adherence Report for Bingawan Facilities for the months of Jan 2020 to March 2020	Kanpur	
12	Corrected KPIs Adherence Report for Bingawan Facilities for the month of April 2020	Kanpur	
13	Narak Chaturdashi		
14	Second Saturday/ Deepawali		
15	Sunday		
16	Bhai Dooj		
17	Corrected KPIs Adherence Report for Bingawan Facilities for the month of May 2020 to July 2020	Kanpur	
18	Corrected KPIs Adherence Report for Bingawan Facilities for the month of Aug 2020 to Oct 2020	Kanpur	
19	Wrote letter to GM GPCU UPJN sending Bingawan STP KPIs Adherence Report for Bingawan Facilities for the month of Jan 2020 to Oct 2020	Kanpur	
20	Wrote letter to GM GPCU UPJN forwarding inspection report of Bingawan STP done on 12/11/2020	Kanpur	
21	Wrote letter to GM GPCU UPJN regarding observations on Monthly Activity Report of Bingawan for Oct 2020.	Kanpur	
22	Sunday		
23	Wrote letter to GM GPCU UPJN regarding Compliance to Inspection report of Bingawan done on 21/10/2020	Kanpur	
24	Reviewed MOM of NMCg meeting dated 12/10 2020	Kanpur	
25	Prepared compliance report of MOM of NMCg meeting dated 12/10 2020	Kanpur	
26	Wrote letter to GM GPCU UPJN regarding renewal of Industrial all Risk Policies for Bingawan and Sajari Facilities expired on 20/11/2020	Kanpur	
27	Wrote letter to GM GPCU UPJN forwarding inspection report of Sajari STP done on 25/11/2020	Kanpur	
28	Wrote letter to GM GPCU UPJN regarding Observations on Monthly Activity Report of Sajari Facilities of Oct 2020.	Kanpur	
29	Sunday		
30	Guru Nanak Jayanti	Kanpur	

I hereby certify that the time report above is a true and complete statement of my working-time for the payroll period.

Signature of Employee
 Signature of Team Leader

Mr. A. K. Seth (Senior Electrical Engineer)

Project Engineer		Shah Technical Consultants Pvt Limited	
NMG- STP Projects at Kanpur under Hybrid Annuity based PPP Mode			
Daily Report			
Name :	ANIL KUMAR SETH		Month/Year:
Position:	Sr Electrical Engineer.		Nov-20
Date	Description		Location
1			
2			
3			
4			
5			
6			
7			
8	SUNDAY		
9	- checking of HT Panel Circuit Diagram 15 MLD STP Unnao KNP		
10	- checking of HT Panel Circuit Diagram 30 MLD STP Panna KNP		
11	- checking of HT Panel Circuit Diagram 5 MLD STP Shuklaganj KNP		
12	- Electrical lead works regarding 130 MLD STP, Jaunpur, KNP		
13	Holiday		"
14	Diwali		"
15	SUNDAY		"
16	Holiday		"
17	- Electrical work @A/c connected with 15 MLD STP Unnao		"
18	- Electrical work @A/c connected with 30 MLD STP Panna		"
19	- Electrical work @A/c connected with 5 MLD STP Shuklaganj		"
20	- Binagan O/M reviewed report of inspection		"
21	- Discussion with client regarding shifting of poles in IPS site		"
22	SUNDAY		
23	- Draft letter for UPIN Unnao for equipment review permission w		
24	- visit of Panna 30 MLD STP site		
25	- visit of Panna 30 MLD STP site with Sri Lakshmi Charan		
26	- work connected with lead list & max demand of STP (5)		"
27	- visit of Binagan 20 MLD O/M site with Supervisor Electrical		"
28	- Review the submissions by concessionaire & action taken on same		
29	SUNDAY		
30	Holiday		
31			
I hereby certify that the time report above is a true and complete statement of my working time for the payroll period.			
 Signature of Employee		 Signature of Team Leader	

Mr. S. Kamaraju (Senior Process Expert)

Project		Shah Technical Consultants Pvt Limited			
NMCG- STP Projects at Kanpur under Hybrid Annuity based PPP Mode					
Daily Report for the Year 2020					
Name :	Satish Kamaraju, Process Engineer				
Position:	Office Manager				
Date	Description	Duration (Days)	STP/Nalas	Work Performed Location	
20/01/2020	Review of Sludge Handling System of 130 MLD Jajmau Facility - Responding to the request received via email dated 20/1/20 from TL	0.25	Jajmau STP	Home	
22/01/2020	Review of Sludge Handling System of 130 MLD Jajmau Facility - Responding to the request received via email dated 22/01/2020	0.25	Jajmau STP	Home	
08/03/2020	Review Comments of ICI Nala & Sundernagar Nala - Responding to the request received via email dated 26/2/20 from TL	0.5	Nalas	Home	
19/03/2020	Review Comments of ICI Nala & Sundernagar Nala - Responding to the request received via email dated 19/3/20 from TL	0.5	Nalas	Home	
04/04/2020	Review of TEPs of Jajmau STP - Responding to the request received via email dated 04/04/20 from TL/Support Engineer (Mr. Priyesh Shukla)	1	Jajmau STP	Home	
07/05/2020	Review of Process Calculations based on COD for Sajari STP - Responding to the request received via email dated 03/05/20 from TL	0.5	Sajari STP	Home	
11/05/2020	Response drafted on KRMPL R3 Revision Jajmau STP 130 MLD Renovation	0.5	Jajmau STP	Home	
21/05/2020	Response drafted on KRMPL Letter on Sajari Facilities - Responding to the request received via email dated 21/5/20 from TL	0.25	Sajari STP	Home	
16/07/2020	Review Comments of I&D Work at Thermal Nala, IPS Sunder Nala & ICI Nala	1	Nalas	Home	
20/07/2020	Review of IIT Comments on Jajmau STP 130 MLD and responding the comments by email	1	Jajmau STP	Home	
26/07/2020	Review Comments given on new layout of Shuklaganj STP & Phone calls - Responding to the request received via email dated 25/7/20 from TL	1	Shuklaganj STP	Home	
31/07/2020	Review of Parikha STP CCT Dwg - Responding to the request received via email dated 30/7/20 from TL	0.5	Parikha STP	Home	
10/08/2020	Discussion over the phone with TL on Shuklaganj STP New Layout & Drafting an email response in this regard - Responding to the request received via email dated 10/08/20 from TL	0.5	Shuklaganj STP	Home	
24/08/2020	Review of KRMPL/STC Letters on Shuklaganj BEP CIR Status - Responding to the request received via email dated 23/8/20 from TL	1	Shuklaganj STP	Home	
26/09/2020	Review comments of process calculations for I&D Works at Unnao - Responding to the request received via email dated 26/09/20 from TL	1	Unnao	Home	
29/09/2020	Review comments of process calculations for I&D Works at Unnao - Responding to the request received via email dated 29/09/20 from TL	1	Unnao	Home	
04/10/2020	Detailed summary of the letters on Shuklaganj BEP regarding CRs - Responding to the request received via email dated 03/10/20 from TL	1	Shuklaganj STP	Home	
12/10/2020	Client VC Meeting - NMCG, JN, STC & KRMPL	0.25	All Projects	Home	
16/10/2020	Detailed summary of the letters on Jajmau BEP - Responding to the request received via email dated 14/10/20 from TL	1	Jajmau STP	Home	
19/10/2020	Response given on CA Agreement clauses of CR Compliance for BEPs (Shuklaganj STP Review)	0.5	Shuklaganj STP	Home	
05/11/2020	Review of Letters, drafting a detailed email on letters received on I&D Works for Unnao STP - Responding to the request received via email dated 04/11/20 from TL	1	Unnao I&D	Home	
08/11/2020	Response to high COD values at Bingawan STP facilities & phone call with O&M Engineer - Responding to the request received via email dated 06/11/20	0.5	Bingawan STP	Home	
12/11/2020	Review of Shuklaganj STP BEP Ver 4	1	Shuklaganj STP	Home	
13/11/2020	Review of Shuklaganj STP BEP Ver 4	1	Shuklaganj STP	Home	
	Total Days for the Year 2020	17			
I hereby certify that the time report above is a true and complete statement of my working time for the payroll period.					
Signature of Employee		Signature of Team Leader			

Mr. P Walunjkar (Structure Engineer)

wwRAJASTHAN RURAL WATER SUPPLY & FLUOROSIS MITIGATION PROJECT (NAGOUR)
PMSC: STC-NKI-AECOM JV
MONTHLY ACTIVITY RECORD

Name: / Preetam Walunjkar (Structural Specialist)

Month / Year: NOV 2020

Date	Package	Location	Details of Work
01-11-2020			Sunday Holiday
02-11-2020	Kanpur	Office	Review the Manhole Drawings Precast and Cast in Situ
03-11-2020	Nagaur	Office	Deshnok CWR meeting with CE& SE
04-11-2020	Kanpur	Office	Review the Submission of RCC Design & Drawing for Treated Effluent Sump & Pump House along with layout & GA for Jajmau
05-11-2020	Kanpur	Office	Review the Submission of RCC Design & Drawing for CCT for Jajmau
06-11-2020	Nagaur	Office	Review RCC design of Deshnok CWR Staad file
07-11-2020			Saturday Holiday
08-11-2020			Sunday Holiday
09-11-2020			Leave
10-11-2020			Leave
11-11-2020			Leave
12-11-2020			Leave
13-11-2020			Leave
14-11-2020			Saturday Holiday
15-11-2020			Sunday Holiday
16-11-2020			Diwali Holiday
17-11-2020			Government Holiday (Death of Raj. Minister Meghwal)
18-11-2020			Leave
19-11-2020			Leave
20-11-2020			Leave
21-11-2020			Saturday Holiday
22-11-2020	Nagaur	Office	Sunday Holiday
23-11-2020	Nagaur	Office	Review RCC design of Deshnok CWR Columns & Beams
24-11-2020	Nagaur	Office	Review RCC design of Deshnok CWR slabs & side walls
25-11-2020	Nagaur	Office	Check Deshnok CWR Layout Plan
26-11-2020	Nagaur	Office	Deshnok CWR meeting with CE& SE for CWR Layout Plan
27-11-2020	Nagaur	Office	Site Visit to Check Layout Plan of CWR
28-11-2020	Nagaur	Office	Saturday Holiday
29-11-2020	Nagaur	Office	Sunday Holiday
30-11-2020	Nagaur	Office	Holiday Guru Nanak Jayanti

SIGNATURE

TL/ DTL
PMSC for RRWS&FMP (Nagaur)

Mr. O.P. Asati (O&M Engineer)

Project Engineer		Shah Technical Consultants Pvt Limited	
NMCG-STP Projects at Kanpur under Hybrid Annuity based PPP Mode			
Daily Report			
Name :	O.P Asati	Month/Year:	Nov-20
Position:	O&M Incharge	Location	Kanpur
Date	Description	Location	
1	SUNDAY	Kanpur	
2	Corodinate with Expert and Review of Structural design of CCT & TEPH for 130 MLD STP Jajmau.	Kanpur	
3	Corodinate with Expert and Review of Structural design of CCT & TEPH for 130 MLD STP Jajmau.	Kanpur	
4	Vetted and recommended for approval of Structural design of CCT & TEPH for 130 MLD STP.	Kanpur	
5	Review of old letters of 130 MLD STP Jajmau regarding sludge handling unit.	Kanpur	
6	Review of cost variation of bedding calculation design for the Pankha facility.	Kanpur	
7	Drafted a letter regarding cost variation of bedding calculation with Support engineer.	Kanpur	
8	SUNDAY	Kanpur	
9	Review of comparative sheet regarding bedding calculation of FOS 1.1 & 1.5.	Kanpur	
10	Meeting with GM sir regarding progress of the Pankha site.	Kanpur	
11	Submit inputs in the MPR for HAM Kanpur project.	Kanpur	
12	Submit inputs in the MPR for HAM Kanpur project.	Kanpur	
13	Narak Chaturdesi	Kanpur	
14	Diwali	Kanpur	
15	SUNDAY	Kanpur	
16	Bhai Dhooj	Kanpur	
17	Review of Jajmau old letters regarding the process and slude handling unit.	Kanpur	
18	Review of Jajmau old letters regarding the process and slude handling unit.	Kanpur	
19	Follow up of pending issues regarding 130 MLD Jajmau STP site.	Kanpur	
20	Follow up of pending issues regarding 130 MLD Jajmau STP site.	Kanpur	
21	Review of approved RCC drawing of CCT and TEPH of 130 MLD Jajmau.	Kanpur	
22	SUNDAY	Kanpur	
23	Review of sludge handling unit of 130 MLD STP Jajmau.	Kanpur	
24	Review of BEP of 130 MLD STP Jajmau.	Kanpur	
25	Review of cost implication in bedding calculation due to change in Factor of Safety.	Kanpur	
26	Visit at 68 MLD STP, Jagjeetpur, Haridwar in afternoon.	Haridwar	
27	Visit 14 MLD STP, Sarai, Haridwar.	Haridwar	
28	Site visit at 68 MLD STP, Jagjeetpur, Haridwar	Haridwar	
29	SUNDAY	Haridwar	
30	Guru Narak Jayanti	Haridwar	

I hereby certify that the time report above is a true and complete statement of my working time for the payroll period.


Signature of Employee


Signature of Team Leader

Annexure 3: Monthly Performance Report of Bingawan

210 MLD SEWAGE TREATMENT PLANT, BINGAWAN, KANPUR																	
MONTHLY FLOW & LAB REPORT																	
MONTH: NOV-2020																	
Date	INLET FLOW in MLD	Plant Run in HRS	RAW SEWAGE						FINAL OUTLET						POWER SHUTDOWN		REMARK
			Temp	TDS	PH (7-8)	COD (523mg/l)	BOD (322mg/l)	TSS (418mg/l)	Temp	TDS	PH (7-8)	COD (<100mg/l)	BOD (<30mg/l)	TSS (<50mg/l)	HRS	MINS	
			°c	ppm	ppm	ppm	ppm	ppm	°c	ppm	ppm	ppm	ppm	ppm			
1-Nov-20	39.68	24.0	24	980	7.3	588	150	488	24	1000	7.5	104	28	48	24		33KV Fault from KesCO Side
2-Nov-20	42.12	24.0	23	974	7.2	572	168	480	23	998	7.4	112	30	46	24		33KV Fault from KesCO Side
3-Nov-20	50.60	24.0	23	970	7.3	580	170	496	23	1000	7.5	112	29	48	20	30	33KV Fault from KesCO Side
4-Nov-20	118.39	24.0	23	998	7.2	604	166	508	23	1012	7.4	104	28	50			
5-Nov-20	126.86	24.0	23	996	7.3	612	176	518	23	1010	7.5	112	30	56			
6-Nov-20	126.00	24.0	23	988	7.2	620	174	520	23	1000	7.4	120	28	52			
7-Nov-20	91.68	24.0	23	996	7.3	604	178	508	23	1008	7.5	112	29	54	7	45	33KV Fault from KesCO Side
8-Nov-20	129.48	24.0	22	1000	7.2	628	172	520	22	1028	7.6	120	28	52			
9-Nov-20	128.25	24.0	22	1010	7.3	620	170	510	23	1018	7.5	112	29	50			
10-Nov-20	137.28	24.0	22	998	7.2	632	176	514	22	1010	7.4	120	30	50			
11-Nov-20	127.72	24.0	22	990	7.1	628	178	524	22	1012	7.3	112	29	48			
12-Nov-20	136.76	24.0	22	998	7.2	620	170	508	22	1016	7.4	120	28	50			
13-Nov-20	134.49	24.0	22	1000	7.3	632	160	516	22	1020	7.3	128	30	48			
14-Nov-20	123.55	24.0	22	1004	7.2	640	164	524	22	1010	7.4	120	29	46			
15-Nov-20	118.04	24.0	22	1000	7.2	628	168	516	22	1018	7.3	112	28	49			
16-Nov-20	41.60	24.0	22	1014	7.3	596	166	488	22	1030	7.4	104	29	50	24	0	33KV Fault from KesCO Side
17-Nov-20	59.80	24.0	22	1000	7.3	604	168	496	22	1010	7.3	112	30	48	20	0	33KV Fault from KesCO Side
18-Nov-20	127.40	24.0	22	1008	7.1	620	170	508	22	1018	7.2	120	29	50			
19-Nov-20	127.21	24.0	22	1000	7.2	612	160	512	22	1020	7.3	104	30	48			
20-Nov-20	121.32	24.0	21	1016	7.1	604	170	508	22	1028	7.2	120	28	50			
21-Nov-20	129.12	24.0	21	1000	7.2	620	173	524	21	1027	7.3	112	30	48			
22-Nov-20	128.44	24.0	20	1007	7.2	596	174	518	20	1020	7.2	104	29	46			
23-Nov-20	130.70	24.0	20	1000	7.2	604	178	508	20	1025	7.3	112	30	48			
24-Nov-20	126.88	24.0	20	1008	7.3	612	176	524	20	1030	7.2	120	29	46			
25-Nov-20	132.60	24.0	20	920	7.2	608	180	528	20	1032	7.2	120	30	48			
26-Nov-20	129.29	24.0	20	998	7.2	640	171	516	20	1038	7.3	128	29	50			
27-Nov-20	130.87	24.0	19	1020	7.1	628	175	524	19	1010	7.2	120	28	54			
28-Nov-20	128.44	24.0	20	1017	7.1	632	168	498	20	1020	7.2	128	30	50			
29-Nov-20	126.36	24.0	20	1010	7.1	604	166	512	20	1022	7.3	112	28	48			
30-Nov-20	127.56	24.0	20	998	7.2	640	170	528	20	1027	7.3	120	30	50			
TOTAL	3398.51																
AVG	113.28	24.00	21.6	997.1	7.2	614.3	170.2	511.4	21.6	1017.2	7.3	115.2	29.1	49.4			



Annexure 4: Site Inspection Report for the Month of Nov. 2020 (Bingawan)**Inspection report of 210 MLD STP Bingawan**

Visit & Inspected on date 12-11-2020

Following STC & KRMPL Staff were present

- 1 Mr. Lokesh Khandelwal, Support Supervisor(Civil)
- 2 Mr. Ajay Kumar Goyal, Support Engineer(Mech.)
- 3 Mr.Rahul ,Support Engineer (Elect.)
- 4 Mr. Ashwin, Mech. Engineer, KRMPL
- 5 Mr.Laxman , Electrical Engineer, KRMPL

Observations:-**1. Collection Chamber**

- Out of 2 nos. of Manual screens both are in working condition.
- Out of 2 nos. of mechanical screens installed, 1no. Mechanical screen is out of order since 14.08.2020. KRMPL promised to rectify in 31.08.2020 by their letter no.UPJN/KRMPL/Kanpur/567 dated 14.08.2020 but not rectify yet. They are extended date month wise month.

Electrical Defects:-**Bar Screen Panel**

- Voltmeter / Ammeter and light indication lamp of Bar Screen not working.
- Panel Earthing damaged.
- Panel indoor light not fixed.
- Some items are missing from panels.

2. Main Pumping Station

- All 12 nos. sewage transfer pumps found are in working condition.
- KRMPL has promised his provide pump/coupling temperature & vibration end of November 2020.Krmpl not must ensure to provide the promised date.
- EOT crane 05 MT not in working condition due to remote damage.

Electrical Defects:-**In Main MCC Panel MEP-2**

- ACB Ammeter not working (Outgoing).
- ACB-7 & 11 Ammeter not working (Outgoing).

3. Inlet chamber

- Out of 3nos of Mechanical fine screens all are in working condition.
- Auto systems of all mechanical screens are not rectified. This matter is pending since takeover date.
- Screen control panel was found in rusted condition. Need to be repaired & repainted.

- 1 no. sampling pump is in working condition. Cabin/cover for sampling pump is required

Electrical defects:-

- In Inlet Control Panel indicators not working.
- Classifier Drive –MCC Panel (Main drive -1) Ammeter not working

4. Grit removal assembly

- Out of 4 nos. of Mechanical grit removal systems all are in working condition.
- Coupling guards & Chain covers are to be providing as per specification. And all temporary chain covers need to be replaced.
- KRMPI had promise to provide all coupling covers by 31.08.2020 .But not complied till date.

Electrical defects:-

- Out of 4 nos. of Mechanical grit removal systems installed, 2 nos. Mechanical grit earthing damaged.

5. UASB reactor

- Out of 16 nos reactors, only Reactors 3 nos. (Reactor no. 1, 4 & 8) had been cleaned and filled for reactivation from 19 .12.2019 till date. Reactor no. 2&3 are open for cleaning from 04.08.2020 and 20.08.2020 respectively. But no labour has been engaged for cleaning of these reactors.
- KRMPL has not submitted schedule Programme for cleaning & reactivation of remaining 11nos. reactors yet. KRMPL is required to take-up the work of cleaning of remaining reactors at war footing.

6. Aeration pond.

- Out of 18no's aerators installed, 1 no. is found not in working condition.
- Painting of panels and hand railing is required to be taken up immediately.
- Most of the cable trays are in corroded condition. Need to be replaced.

Electrical defects:-

Aerator Panel Room

- APFC meter showing alarm error.
- Capacitor bank no.9 Push button cover missing & Ammeter not working.
- Panel of Alarm Annunciators not working.
- Main Light Distribution box ammeter not working.
- LDB of Aerator Panel room not working.

7. Chlorination Building

- Chlorination booster pump discharge line pressure gauge, 1no. need to be replaced with calibration report. But not complied till date.
- All 20 nos. chlorine tonners available in the chlorine room should be arrange properly,
- Only 2 nos chlorine tonners found connected with the system .
- 2 nos. tonner have been found in filled condition.

- 1 week stock is required to be available all the time.
- Heavy leakage has been found in Booster pump discharge line joint this is required to be repaired immediately.
- Painting of panels and hand railing is to be done.
- Most of the cable trays are in corroded condition. Need to be replaced.

8. Gas holder

- Out of 2 nos gas holder installed, 01 no is in working condition. No. 2 still to be repaired. KRMPI had promised to repair gas holder no.2 by 10.11.2020 but not rectify yet.

Electrical defects:-

- Bio gas flair Panel damage.

9. DFG

- Out of 2 nos. DFG installed, 1 no. is not in working condition, under repairing by UPJN.

10. Belt filter press system

- Out of 3 nos. BFP installed in BFP building, 02 nos. are in working conditions. But KRMPL is using only one BFP because 01 no. trolley is available at site. BFP- 1no. is under repair. KRMPI had promised to repair 01 no. BFP by 15.10.2020 again extended the date from 15.10.2020 to 31.12.2020.
- All 3 nos. poly dosing pump installed, leakage found from inbuilt diaphragm portion of all 3 dosing pumps. And need to be rectified immediately.

13. Online Monitoring System:-

- Calibration certificate with witness certificate till not submitted by KRMPL. on 12.11.2020 found there is too much difference in the reading of RTOLMS and laboratory results of (12.11.2020) produced below:-

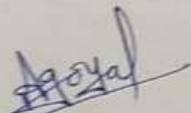
Analyser Inlet Reading- COD=652.4 mg/l	, TSS=523.9mg/l
Analyser outlet Reading-COD=128.5 mg/l	, TSS=57.31mg/l
Laboratory Inlet Reading-COD=620 mg/l	, TSS=508mg/l
Laboratory outlet reading-COD=120 mg/l	, TSS=50mg/l

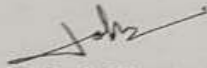
- Out of 2 no's Electro-Magnetic Flow meters in inlet, 1 no. has been installed at site and it has been synchronised with RTOLMS. It is not calibrated. Another 2nd no. Electro-Magnetic Flow meters has not been installed yet. Need to be providing calibration report.
- Online monitoring system, RTU, DNP & UPS installed at Inlet & Outlet, and it has been synchronised with RTOLMS and testing results (COD, BOD & TSS) are changing for every 15 minutes. Calibration certificates (Inlet & Outlet analyser) are not found yet.
- It is also necessary to update the proper power consumption and timing of both Power supply and Power backup (DG set) in RTOLMS.
- Electromagnetic flow meter for treated effluent has not been installed yet. Installation of Flow meter at the Treated effluent channel of the STP is necessary and should be synchronised with RTOLMS.

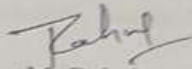
14. Miscellaneous:-

- Balance boundary wall work is to be completed by UPJN.

- MPS outlet valve chamber wall has been found collapsed due to earth pressure. Cracks have been also developing in the road leading to MPS this to be repaired urgently.
- In Main LT Panel capacitor bank 800KVAR Transformer 1, no. voltmeter not working
- Sodium Light lamp 9 no. & some street lighting not fixed.
- Street Light Junction boxes have loose mounting & are damage, some junction box are missing.
- All Rusted junction boxes & Panels are to be painted.
- According to the Operation & Maintenance Manual chapter xii 8.2.2 Panel, Circuit Breaker, Starter
- Daily, Monthly /Quarterly and Annual Maintenance record not maintain in register.
- Electrical check sheet annexure XI not maintain by Concessionaire.


Ajay Kr. Goyal
Supt. Engineer (Mech.)


Lokesh Khandelwal
Supt. Engineer (Civil)


Mr. Rahul
Supt. Engineer (Elect.)

Annexure 5: Monthly Performance Report of Sajari

42 MLD SEWAGE TREATMENT PLANT, SAJARI, KANPUR																			
MONTHLY FLOW & LAB REPORT																			
Month: Nov. 2020																			
Date	INLET FLOW in MLD	Plant Run in HRS	RAW SEWAGE						FINAL OUTLET						Aeration		POWER SHUTDOWN		REMARK
			Temp °C	TDS ppm	PH (7-9)	COD (450 mg/l)	BOD (250 mg/l)	TSS (600 mg/l)	Temp °C	TDS ppm	PH (7-9)	COD (<100mg/l)	BOD (<30mg/l)	TSS (<50mg/l)	DO ppm	HRS	MINS		
1-Nov	22.77	23.0	27	1268	75	438	175	269	27	1021	7.9	96	25	30	15			2 STREAMS UNDER OPERATION	
2-Nov	21.63	23.0	27	1396	75	540	178	316	27	925	7.9	112	22	34.0	17			2 STREAMS UNDER OPERATION Found Die color in Raw Sewage	
3-Nov	22.77	23.0	27	1296	75	496	155	243	27	894	7.9	104	21	31	18			2 STREAMS UNDER OPERATION Found Die color in Raw Sewage	
4-Nov	21.78	22.0	27	1390	75	438	165	268	27	916	7.9	92	23	28.0	19			2 STREAMS UNDER OPERATION	
5-Nov	22.28	22.0	27	1410	75	512	160	293	27	853	7.9	104	21	32	17			2 STREAMS UNDER OPERATION Found Die color in Raw Sewage	
6-Nov	23.27	22.0	26	1424	75	480	150	286	26	911	7.9	112	24	34	15			2 STREAMS UNDER OPERATION Found Die color in Raw Sewage	
7-Nov	21.78	22.0	26	1390	75	420	164	266	26	819	7.9	96	22	28	17	2	55	2 STREAMS UNDER OPERATION	
8-Nov	21.29	21.0	26	1268	75	384	175	246	26	818	7.9	88	24	32	18			2 STREAMS UNDER OPERATION	
9-Nov	21.78	22.0	26	1416	75	512	168	298	26	918	7.9	104	22	34	14			2 STREAMS UNDER OPERATION Found Die color in Raw Sewage	
10-Nov	22.77	23.0	26	1310	75	380	145	264	26	853	7.9	96	21	30	15			2 STREAMS UNDER OPERATION	
11-Nov	21.29	21.0	26	1288	75	372	150	278	26	821	7.9	88	23	28	18			2 STREAMS UNDER OPERATION	
12-Nov	21.78	22.0	25	1310	75	408	155	294	25	905	7.9	92	21	29	16			2 STREAMS UNDER OPERATION	
13-Nov	22.77	23.0	25	1290	75	384	145	278	25	895	7.9	88	22	31	17			2 STREAMS UNDER OPERATION	
14-Nov	22.77	23.0	25	1305	75	408	160	297	25	880	7.9	96	24	33	15			2 STREAMS UNDER OPERATION	
15-Nov	21.78	22.0	25	1260	75	396	152	286	25	830	7.9	88	21	29	18			2 STREAMS UNDER OPERATION	
16-Nov	21.29	21.0	25	1408	75	512	152	315	25	915	7.9	104	23	34	14			2 STREAMS UNDER OPERATION Found Die color in Raw Sewage	
17-Nov	22.28	22.0	25	1310	75	440	165	305	25	840	7.9	96	22	29	17			2 STREAMS UNDER OPERATION	
18-Nov	21.78	22.0	25	1290	75	396	145	269	25	818	7.9	88	21	27	16			2 STREAMS UNDER OPERATION	
19-Nov	22.77	23.0	25	1405	75	528	160	311	25	920	7.9	104	24	32	15			2 STREAMS UNDER OPERATION Found Die color in Raw Sewage	
20-Nov	22.28	22.0	25	1440	75	544	175	321	25	933	7.9	112	26	34	14			2 STREAMS UNDER OPERATION Found Die color in Raw Sewage	
21-Nov	23.76	24.0	25	1360	75	512	170	295	25	959	7.9	104	24	31	14			2 STREAMS UNDER OPERATION Found Die color in Raw Sewage	
22-Nov	22.27	22.0	25	1290	75	384	155	264	25	860	7.9	96	21	28	15			2 STREAMS UNDER OPERATION	
23-Nov	23.76	24.0	25	1395	75	540	165	314	25	918	7.9	112	22	32	14			2 STREAMS UNDER OPERATION Found Die color in Raw Sewage	
24-Nov	23.27	23.0	25	1360	75	512	160	290	25	890	7.9	104	24	29	17			2 STREAMS UNDER OPERATION Found Die color in Raw Sewage	
25-Nov	23.76	24.0	25	1288	75	432	150	286	25	830	7.9	96	22	31	15			2 STREAMS UNDER OPERATION	
26-Nov	24.26	24.0	25	1410	75	528	170	316	25	918	7.9	112	25	33	14			2 STREAMS UNDER OPERATION Found Die color in Raw Sewage	
27-Nov	23.76	24.0	25	1394	75	512	165	305	25	910	7.9	104	23	29	13			2 STREAMS UNDER OPERATION Found Die color in Raw Sewage	
28-Nov	23.27	23.0	25	1288	75	440	158	296	25	850	7.9	96	21	32	16			2 STREAMS UNDER OPERATION	
29-Nov	23.76	24.0	25	1310	75	540	170	311	25	916	7.9	104	23	33	14			2 STREAMS UNDER OPERATION Found Die color in Raw Sewage	
30-Nov	23.27	23.0	25	1294	75	438	165	276	25	870	7.9	92	24	28	15			2 STREAMS UNDER OPERATION	
TOTAL	677.99															2	55		
AVG	22.60	22.63	25.53	1,342.23	750	459.20	160.40	288.53	25.53	887.20	7.90	99.33	22.70	30.83	1.6				

Note : There is ingress of Industrial Waste water (coloured) at STP from Sanigawan area, which was experienced on dates of 2,3,5,6,9,16,19,20,31,23,24,26,27,29 Nov. 2020

Annexure 6: Site Inspection Report for the Month of Nov. 2020 (Sajari)**Inspection report of 42 MLD STP, Sajari**

Inspected on date 25-11-2020 Following were present,

1. Mr. Ajay Kumar Goyal, Support Engineer (Mech.),STC
2. Mr. Rahul, Support Engineer(Ele.), STC
3. Mr. Ram Khilawan, lab Chemist, KRMPPL

Observation

1.Compliance Reports of previous inspection done on 02/09/2020 & 05/10/2020 have not been submitted by KRMPPL yet.

2. Collection chamber

- 2 nos. of Manual screen are in working condition.
- 2 nos. of Mechanical screens are in working condition. But Auto system of both mechanical screens is not rectified. This matter is pending since beginning, to be solved by UPJN.
- **Electrical Defects:-**
- Mechanical screen panel no.02 indication not working. And voltmeter, Ammeter missing in the panel.

3. Main Pumping Station

- Out of 5 sewage transfer pumps installed in MPS, 04 no's are found in working & running condition and 1no. Is out of order from 01.10.2020 till date.
- 1 no. of Electro-Magnetic Flow meter is installed at site. There is no calibration certificate of flow meter. This is also pending since taking over date .
- **Electrical Defects:-**
- Junction Box for 70KW motor stop/start push button not working.

4. Inlet Chamber

- 2 no's of Manual screen are found in working condition.
- 2 no's of Mechanical fine screens are in working condition.
- Auto systems of both mechanical screens are not rectified .
- Screen panel earthing not done.

5. Grit Separator

- 2 no's of Mechanical grit removal system are in working condition.
- Screen control panel was found in rusted condition.

6. Primary clarifier

- 2 no's of Primary clarifier mechanism are in working condition.

7. Aeration system

- 12nos of aerators are working during our visit. But submergence of aerators is to be increased as per design. This matter still pending since 04.01.2020.

8. Secondary clarifier

- 2 nos of Secondary clarifier mechanism are in working condition.

9. Chlorination system

- Out of 6 no's of tonners 2 no's has been installed and 2 no. in working condition and remaining 4 no's has been sent to refilling of chlorine gas.

- Out of 4 nos. pressure gauge are installed in chlorination system, 03 nos are found in working condition and 01 no. is out of order from 16.10.2020 to till date.

10. Primary Sludge pump

- 2 no's of screw pump checked and found in running condition.

11. Thickener Sludge pump

- 2 no's screw pump checked and found in running condition.

12. Return Sludge pump

- Out 3 nos. of submersible pump installed in RSPH, 2nos are in working condition and 1 no. out of order from 03.10.2020 till date..
- 1no. pressure gauge is not working condition. Display glass of all pressure gauges to be changed with glasses for proper visibility. This matter is pending from the last inspection on 21.09.2020.
- Electrical Defects:-
- Panel no. 2 main door damage.

13. Digester

- 2 nos. of Sludge digester mixers are in working condition.
- EFM at outlet of digester was installed, but not working due to calibration.

14. Gas Holder/Gas Scrubber/Gas flaring units

- 3 no's of Gas engine installed have not been operated & KRMPPL side there is no regular operator since hand over date.

15. On-Line Monitor System(Done by UPJN)

- Inlet Analyser panel with censer installed at site. It has not been synchronised with RTOLMS. Analyser results are found at site (PH-7.64, COD-524 mg/l, BOD-152 mg/l, TSS- 284 mg/l).
- Out let Analyser panel with censer installed at site. It has been synchronised with RTOLMS. Analyser results are found at site (PH-7.78, COD-72.2 mg/l, BOD-18.2 mg/l, TSS- 25.4 mg/l).

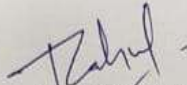
16. DG Set for Power Backup

- DG set has been procured, installed and put to use under trial run by UPJN.

17. Miscellaneous

- Painting of the outer civil structural's and hand railing in walkways & ladders have to be carried out.
- Plant area housekeeping and grass cutting work are in progress.
- Referred letter in compliance to UPJN letter No.1545/W-20/127 by which it was informed that separate plant in charge for Sajari facilities has been appointed and is expected to join shortly. But still separate plant in charge for Sajari Facilities is not available at site even after more than 3 months.
- Monthly performance report of Sajari Facilities not being sent by KRMPPL by 7th date of every month regularly.

- The dried sludge removed at sludge drying bed no. 18 in month of September and disposed at located site near sanigawan with in 10 KM. from STP Plant. Each trolley weight is not mentioned in the record. In this month drying bed no.05 is used as sludge filling.
- Transformer Breather silica gel in pink colour to be replace.
- 10 KVAR capacitor no.02 stop push button damage.
- All locations cable tray found rusted.


Mr. Rahul (Ele.)
Support Engineer


Ajay Kr. Goyal (Mech.)
Support Engineer

Annexure 7: MOM dated 09.11.2020

नमामि गंगे कार्यक्रम के अन्तर्गत पीपीपी-हैन आधारित पनका एवं चन्नाव एस0टी0पी0 एवं नालों के आई0 एण्ड डी0 कार्यों की परियोजना की प्रगति समीक्षा की दिनांक 09.11.2020 की बैठक का कार्यवृत्त।

पीपीपी मोड-हैन प्रोजेक्ट के अन्तर्गत पनका में 30 एम0एल0डी0 क्षमता का एस0टी0पी0, पनकी धर्मल नाला एवं आई0सी0आई0 नाला के आई0 एण्ड डी0 कार्यों की स्वीकृत परियोजना का निर्माण कार्य अनुबन्धित फर्म मै0 शापूर जी पार्लोजी, प्रा0लि0, मुम्बई के द्वारा गठित एस0पी0वी0 'मै0 कानपुर रिवर मैनेजमेंट प्रा0लि0 (KRMPLE) द्वारा अनुबन्ध सं0-14/जी0एम0/2018-19 दिनांक 21.12.2018 के अन्तर्गत कराया जा रहा है। मा0 एन0जी0टी0 के आदेशों से आच्छादित उक्त कार्य को समयबद्धता के साथ मा0 अक्टूबर, 2021 तक प्रत्येक दश में पूर्ण कर कमीशन किया जाना आवश्यक है। मुख्य अभियन्ता (का0से0), उ0प्र0 जल निगम, कानपुर के कार्यालय डाप सं0 2734/एम-9/111 दिनांक 27.08.2020 के द्वारा निर्गत निर्देशों के अनुक्रम में मुख्य अभियन्ता (का0से0), उ0प्र0 जल निगम, कानपुर की अध्यक्षता में दिनांक 09.11.2020 को निर्माणाधीन कार्यों की प्रगति समीक्षा बैठक आयोजित की गई, जिसमें संलग्नक उपस्थिति के अनुसार जल निगम, अनुबन्धित फर्म एवं एन0एम0सी0जी0 के द्वारा परियोजना हेतु नामित परियोजना अभियन्ता मै0 एस0टी0पी0 के प्रतिनिधि अधिकारियों के द्वारा प्रतिभाग किया गया। इसके पूर्व दिनांक 27.10.2020 को बैठक आयोजित की गई थी, जिसमें दिये गये निर्देशों के अनुपालन तथा दो सप्ताहों में प्रगति के सम्बन्ध में फर्म के द्वारा दिये वचनबद्धता की भी समीक्षा की गई।

निर्माणाधीन कार्यों की प्रगति निम्नानुसार पायी गई तथा अवशेष कार्यों को पूर्ण कराये जाने के यथानुसार निर्देश पारित किये गये-

(अ) स्वीकृत परियोजना के पनका फेसिलिटीज के अन्तर्गत पनका में 30 एम0एल0डी0 क्षमता का एक एस0टी0पी0, पनकी धर्मल नाला 'A' पनकी धर्मल नाला 'B' तथा आई0सी0आई0 नालों के आई0 एण्ड डी0 कार्य, 16 किमी0 रीवर लाइन, 6.80 किमी0 राइजिंग मेन तथा कामन ट्रेविटीमेन का कार्य प्रस्तावित है। कार्यों को पूर्ण किये जाने हेतु 8 माइल स्टोन में विभाजित किया गया है। पूर्व में प्रथम माइल स्टोन 28.11.2019 से 25.04.2020 तक हेतु कार्यों का कुल लागत लगभग रु0 12.50 करोड़ पूर्ण किये जाने हेतु निर्धारित किया गया था, लेकिन विश्वव्यापी कोविड-19 महामारी के कारण देशव्यापी लॉकडाउन के दृष्टिगत प्रथम माइल स्टोन दिनांक 25.09.2020 तक बढ़ाते हुये संशोधित कर निर्धारित किया गया। प्रथम माइल स्टोन के सम्पन्न विभिन्न कार्यों हेतु निर्धारित किये गये लक्ष्य के सम्पन्न प्रगति प्राप्त कर ली गई है अर्थात् लागत का 12.50% आंकलित कार्य पूर्ण कर लिया गया है। द्वितीय माइलस्टोन दिनांक 28.09.2020 से 25.11.2020 तक निर्धारित है। इस अवधि में लागत का लगभग 12.50% कार्य तथा कुल 28% कार्य पूर्ण किया जाना लक्षित है। प्रथम एवं द्वितीय माइलस्टोन के आधार पर विभिन्न अवसरो/क्रियाकलापों की दिनांक 08.11.2020 तक की प्रगति संलग्न है। प्रगति समीक्षा में कार्य के निम्नलिखित मुख्य-2 अवसरो पर विचार विमर्श करते हुये द्वितीय माइल स्टोन हेतु निर्धारित लक्ष्यों के अनुसार कार्य पूर्ण किये जाने के निर्देश फर्म के उपस्थिति प्रतिनिधियों को दिये गये। महाप्रबन्धक एवं सम्बन्धित परियोजना प्रबन्धक को भी निर्देशित किया गया कि वह इन कार्यों को गुणवत्ता सहित पूर्ण कराये जाने हेतु निरन्तर निरीक्षण एवं अनुश्रवण करें।

प्रगति तालिका – दिनांक 08.11.2020

Main Component of Work	Main Activities	Target Against 1st Mile Stone by 25.09.2020	Achievement Against 1st Mile Stone	Target Against 2 nd Mile Stone by 25.11.2020	Achievement Against 2 nd Mile Stone By 08-11-2020	Remarks
STP	PCC(SBR)	100%	100%	-	-	-
	Fdn(SBR)(Raft)	40%	40%	60%	60%	-
	Roc-wall(SBR)	-	-	50%	20%	-
	PCC(CCT)	100%	100%	-	-	-
	Fdn mlf(CCT)	-	-	100%	100%	Achieved
	Wall(CCT)	-	-	50%	20%	Reinforcement in Progress
	PCC(Admin)	100%	100%	-	-	-
	RCC for colun footing(Admin)	-	-	100%	100%	Achieved
	other	25%	25%	25%	25%	-
MPS	PCC	-	-	100%	100%	Achieved
	RCC Fdn/mlf	-	-	50%	-	Reinforcement fixing in Progress
	other	25%	25%	25%	25%	-
Compound wall	Excavation/PCC	40%	40%	20%	20%	Achieved
	RCC Column/Beam	40%	40%	20%	17%	-
	Brick work	-	-	20%	19%	-
	other	-	-	-	-	-
IPS (Sunder Nagar)	Excavation	11%	11%	89%	-	Progress needs to be expedited
	PCC	-	-	100%	-	
IPS (ICI Nala)	Excavation	-	-	100%	-	
	PCC	-	-	100%	-	
	Raft Fdn	-	-	50%	-	
NALA Taping						Progress needs to be expedited
Parka	-	-	14%	-		
Sunder Nagar	-	-	13%	-		
ICI Nala	-	-	13%	-		
Sewer Laying	Procurement of pipe	10%	16%	25%	7.5%	Progress needs to be expedited
	Laying	-	-	20%	2%	
Over all achievement		Against 1st Mile Stone	100%	Against 2 nd Mile Stone	48% (Cumulative 18.5%)	Lacking behind needs to expedite.

अन्य महत्वपूर्ण बिन्दु, डिजाइन/ड्राइंग की स्थिति एवं दिये गये निर्देश:-

स्थलवार समीक्षा पर निम्नानुसार स्थिति पायी गई तथा यथानुसार निर्देश दिये गये-

1-सुन्दरनगर आईपीएस:- कार्यस्थल हेतु भूमि उपलब्ध है। डिजाइन एवं ड्राइंग स्वीकृत है। सम्प की पूर्व में की गई खुदाई के पर्याप्त अवकाश चल रहे कार्य को तत्काल प्रारम्भ किये जाने के निर्देश पूर्व बैठक में दिये गये थे। अवगत कराया गया कि कार्य प्रारम्भ वना दिया गया है तथा भू-जल स्तर लोवर करने हेतु वेल पाइप्ट इन्सुलेशन/बोरिंग के द्वारा डि-वाटरिंग किया जा रहा है। फर्म के उपस्थित प्रतिनिधियों द्वारा अवगत कराया गया कि खुदाई का कार्य दिनांक 10.11.2020 से आरम्भ कर 20.11.2020 तक पूर्ण कर लेंगे तथा पीएसटी कार्य 22.11.2020 तक पूर्ण कर लिया जायेगा।

2-आईसीआई नाला आईपीएस- कार्य हेतु भूमि उपलब्ध है। पूर्व बैठक दिनांक 27.10.2020 में परियोजना प्रबन्धक को कानपुर विकास प्राधिकरण से प्रस्तावित कार्य स्थल का अनापत्ति प्रमाण पत्र प्राप्त कर फर्म को उपलब्ध कराये जाने के निर्देश दिये गये थे। फर्म के उपस्थित प्रतिनिधियों के द्वारा अवगत कराया गया कि परियोजना प्रबन्धक (तृतीय) के द्वारा स्थल उपलब्धता से सम्बन्धित विवरण उपलब्ध करा दिया गया है। फर्म के उपस्थित प्रतिनिधि के द्वारा अवगत कराया गया कि इस स्थल में कार्य प्रारम्भ किये जाने की प्लानिंग की जा रही है। स्थल की बैरिकेटिंग का कार्य कर लिया गया है। स्थल पर अभी तक कार्य प्रारम्भ न होने पर मुख्य अभियन्ता के द्वारा असन्तोष किया गया। फर्म के प्रतिनिधि द्वारा आश्वासन दिया गया कि खुदान कार्य 11.11.2020 से आरम्भ कर 20.11.2020 तक पूर्ण कर लेंगे तथा पीसीसी 22.11.2020 तक पूर्ण लेंगे तथा नीस 25.11.2020 तक डाल दी जायेगी।

3-पनकी धर्मल नाला 'A', सुन्दर नगर धर्मल नाला 'B' तथा आईसीआई नाला टैपिंग कार्य- फर्म के उपस्थित अधिकारियों/प्रतिनिधियों के द्वारा अवगत कराया गया था कि डिजाइन एवं ड्राइंग स्वीकृत हो चुकी है। कार्य शीघ्र प्रारम्भ करेंगे। निर्देशित किया गया कि नाला टैपिंग स्थलों पर आईए एण्ड डीए कार्य तत्काल प्रारम्भ कराया जाये। इस सन्दर्भ में महाप्रबन्धक द्वारा सूचित किया गया कि परियोजना प्रबन्धक (तृतीय) दिनांक 11.11.2020 को स्थल निरीक्षण कर स्थल बलीयरेंस पूर्ण करेंगे।

4-सीवर लाइन- प्रथम माइल स्टोन के अनुसार 2.66 किमी० पाइप की आपूर्ति के सापेक्ष लक्षित पाइप की आपूर्ति प्राप्त कर ली गई है। द्वितीय माइल स्टोन के अनुसार 4.00 कि०मी० अर्थात् कुल 6.66 कि०मी० पाइप की आपूर्ति के सापेक्ष 3.05 कि०मी० पाइप की आपूर्ति हुयी है तथा 342 मी० सीवर लाइन बिछाने का कार्य किया गया है। परियोजना अभियन्ता द्वारा फैंक्टरी निरीक्षण किया गया जा रहा है एवं पाइप की आपूर्ति 25.11.2020 तक पूर्ण किये जाने का आश्वासन फर्म के प्रतिनिधि के द्वारा दिया गया।

पाइप बेडिंग की डिजाइन का कॅलकुलेशन जाँच कर एस्कीटीसी द्वारा अनुमोदित कर दिया गया है। अतः कार्य अदिलम्ब आरम्भ करें। मुख्य अभियन्ता के द्वारा तदनुसार फर्म के प्रतिनिधि को सीवर लाइन निछाने का कार्य किये जाने के निर्देश दिये गये। अभी तक की प्रगति काफी कम है। अतः युद्धस्तर पर कार्य किया जाना आवश्यक है।

5-वि०/यौ० कार्य- महाप्रबन्धक के द्वारा अवगत कराया गया कि MOC एवं पम्प/मोटर की दक्षता के सम्बन्ध में निर्णय लेकर फर्म को अवगत करा दिया गया है, जिसकी फर्म के प्रतिनिधि के द्वारा बैठक में पुष्टि भी की गई।

(ब) 1- स्वीकृत परियोजना के उन्नाव फॅसिलिटीज के अन्तर्गत उन्नाव में 15 एम०एल०डी० क्षमता का एस्कीटीसी, जेल ड्रेन में आईए एण्ड डीए कार्य एवं 1200 एम०एल० व्यास का 3.2 कि०मी० डेविटी मेन (ट्रंक सीवर) का कार्य प्रस्तावित है। कार्यों को 8 माइलस्टोन में विभक्त किया गया है (प्रत्येक 12.5%)। पूर्व में प्रथम माइलस्टोन निर्धारित तिथि 25.09.2020 तक 100 प्रतिशत प्राप्त किया जा चुका है। द्वितीय माइलस्टोन 26.09.2020 से 25.11.2020 तक निर्धारित है। इस अवधि में लागत का 12.5 प्रतिशत कार्य तथा कुल 25 प्रतिशत कार्य पूर्ण करना लक्षित है। प्रथम एवं द्वितीय माइलस्टोन के आधार पर विभिन्न अवयवों (यूनिट) की दिनांक 08.11.2020 तक की

प्रगति संलग्न है। संलग्नक के टिप्पणी कॉलम में दिये गये निर्देशों को पूर्ण करने के निर्देश फर्म को दिये गये।

2- शुक्लागंज एस्सीटीपीए एवं आई० एण्ड सी० योजना के अन्तर्गत डिजाइन व ड्राइंग की आई०आई०टी०, कलकत्ता से केटिंग प्रकरणों को रफे विलम्ब पर चर्चा की गई। अवगत कराया गया कि अवशेष रु० 18.00 लाख का शुल्क का भुगतान न होने के कारण केटिंग लम्बित है। महाप्रबन्धक, गंगा प्रदूषण नियन्त्रण इकाई, कानपुर के द्वारा आश्वासन दिया गया कि वह 10.11.2020 को Payment Certificate भुगतान हेतु बैंक प्रेषित करा देगे।

अन्त में कार्यों को समयबद्धता के साथ माह अक्टूबर, 2021 तक पूर्ण कर चालू किये जाने के निर्देश देते हुये अधीक्षण अभियन्ता व अधिरासी अभियन्ता (उन्नाव/शुक्लागंज परियोजना से सम्बन्धित) तथा महाप्रबन्धक एवं परियोजना प्रबन्धकों (रिजिस्ट्रार एवं वि०/सी०) से अपेक्षा की गई कि वह कार्यों के गुणवत्तापूर्ण ससमय सम्पादन कराने के लिये गहनता से अनुश्रवण व निरीक्षण करें।

संलग्नक:- दिनांक 08.11.2020 तक की प्रगति विवरण एवं तपस्थिति।

(ए०के०गुप्ता)
मुख्य अभियन्ता (का०क्षे०)

कार्यालय मुख्य अभियन्ता (का०क्षे०), उ०प्र० जल निगम, कानपुर

पृ०सं० 3505 / एम-1 / 54

दिनांक 09/11/2020

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित:-

- 1-प्रतिलिपि निजी सचिव, प्रबन्ध निदेशक, उ०प्र० जल निगम, लखनऊ को प्रबन्ध निदेशक महोदय को अवलोकनार्थ प्रेषित।
- 2-संयुक्त प्रबन्ध निदेशक (गंगा), उ०प्र० जल निगम, लखनऊ।
- 3-मुख्य अभियन्ता (का०क्षे०), उ०प्र० जल निगम, लखनऊ।
- 4-महाप्रबन्धक, गंगा प्रदूषण नियन्त्रण इकाई, उ०प्र० जल निगम, कानपुर को अनुपालनार्थ प्रेषित।
- 5-परियोजना प्रबन्धक (ए०सी०/वि०-सी०), गंगा प्रदूषण नियन्त्रण इकाई, उ०प्र० जल निगम, कानपुर को अनुपालनार्थ प्रेषित।
- 6-श्री डा० टेक्निकल कन्सल्टेन्सी 117/428, (14-ओ०, ब्लॉक) गीता नगर अपोजिट, अनुराग हास्पिटल, शारदा नगर, कानपुर। (ई-मेल द्वारा)।
- 7-श्री पी०सी०शुक्ला प्रोजेक्ट डायरेक्टर मै०, के०आर०एम०पी०एल०, प्लॉट नं०-101, प्रथम तल, 3/83, विष्णुपुरी, कानपुर। (ई-मेल द्वारा)।
- 8-श्री मानवेन्द्र वरिष्ठ परियोजना प्रबन्धक मै०, के०आर०एम०पी०एल० प्लॉट नं०-101, प्रथम तल, 3/83, विष्णुपुरी, कानपुर। (ई-मेल द्वारा)।
- 9-गार्ड फाइल।

(ए०के०गुप्ता)
मुख्य अभियन्ता (का०क्षे०)

मा10 राष्ट्रीय हरित अधिकरण, नई दिल्ली में विचाराधीन ओ10ए0 सं0-673/2018 एवं ओ10ए0 सं0-200/2014 के पारित आदेश का अनुपालन किये जाने के सम्बन्ध में मुख्य अभियन्ता (का0डो0) की अध्यक्षता में क्षेत्रान्तर्गत पनकी थर्मल नाला एवं आई0सी0आई0 नाला के आई0 एण्ड डी0 कार्यों, पनका एस0टी0पी0 की परियोजना के निर्माण व अवशेष नालों के डी0पी0आर0 विवरण की पारिभाषिक समीक्षा दिनांक 09.11.2020 में उपस्थित अधिकारी एवं अनुबन्धित फर्म के अधिकृत प्रतिनिधियों की उपस्थिति।

क्र0 सं0	कार्यालय का नाम	अधिकारी का नाम	पद नाम	मोबाइल नं0	हस्ताक्षर
1	2	3	4	5	6
1	Chief Engineer (K2), UBIN, F&P	A.K. Gupta	CE	9473941763	J
2	GyBEL, Kanpur	Haji. Kausar	GM	9473942735	J2
3	Hotel PM (EIM) G.P.CO, Kanpur	Mohd. Haq	PM (GM)	9473942740	PM1
4	Kanpur River Mand. S. Ltd	Manobandran Ray	Project Manager	9031041419	Ray
5	KRMPL	Sumit Ka. Katiyas	PM-Construction	7355944266	Katiya
6	R. K. Dubey				
7	Nirmohi Khond Jul Nigam Kanpur	R. K. Dubey	A.E	9473942027	R. K. Dubey
8	STC Kanpur	C. M. Dharma	T.L. Jc	9026770096	C
9	STC Kanpur	Vikas Sharma	Support Cys	9697275826	Vikas Sharma
10					
11					
12					

STATUS OF PANCHHA PROJECT AS ON 08.11.2020

S.No.	Description of Items	Milestone-1 (01st Nov. '20 to 27th Nov. '20)		Milestone-2 (28th Sep. '20 to 27th Nov. '20)		Achieved against 2nd milestone		Approved up to 08.11.2020		Remarks	Remarks-2 Completion % of Sinking Works 08.11.2020
		%	Amount(₹)	%	Amount(₹)	%	Amount(₹)	%	Amount(₹)		
A	Design & Drawing of STP & Sewer Laying work. As per approved of S&P & On approval of design & drawings for Civil & Sewerage works	100%	2,49,67,350.00	-	-	-	-	100%	2,49,67,350.00		
B	CONSTRUCTION										
1	STP (M) (M) (M) Civil Works										
	Site Clearance	100%	2,50,000.00	-	-	-	-	100%	2,50,000.00		
	Excavation	100%	98,39,465.00	-	-	-	-	100%	98,39,465.00		
	PCC	100%	1,47,57,000.00	-	-	-	-	100%	1,47,57,000.00		
	RCC Foundation/Wall	40%	98,38,402.00	60%	1,47,57,000.00	80%	1,47,57,000.00	100%	2,45,96,002.00		
	Work 50% of total civil work Character Construct Tank Area			100%	1,45,96,000.00	40%	98,38,402.00	45%	98,38,402.00		Progress for civil work is in progress, let it completed around
2	Site Clearance	100%	1,50,000.00	-	-	-	-	100%	1,50,000.00		
	Excavation	100%	7,17,882.00	-	-	-	-	100%	7,17,882.00		
	PCC	100%	11,36,833.00	-	-	-	-	100%	11,36,833.00		
	RCC Foundation/Wall			100%	48,11,730.00	100%	48,11,730.00	100%	48,11,730.00		
	Work 50% of total civil work Character Construct House Area			100%	27,67,000.00	40%	11,06,833.00	40%	11,06,833.00		Work is in progress
3	Civil Works										
	Site Clearance	100%	1,00,000.00	-	-	-	-	100%	1,00,000.00		
	Excavation	100%	1,68,940.00	-	-	-	-	100%	1,68,940.00		
	PCC	100%	1,11,810.00	-	-	-	-	100%	1,11,810.00		
	RCC Foundation/Column footing			100%	27,67,000.00	100%	27,67,000.00	100%	27,67,000.00		Work will get completed on before 05.11.2020
4	Columns & Beam Sledge Hammer Area Civil Works										
	Site Clearance	100%	1,00,000.00	-	-	-	-	100%	1,00,000.00		
	Excavation	100%	7,17,882.00	-	-	-	-	100%	7,17,882.00		
	PCC	100%	11,06,833.00	-	-	-	-	100%	11,06,833.00		
	RCC Foundation/wall/Beam (M)			100%	16,00,135.00	45%	16,00,135.00	45%	16,00,135.00		Remaining work is in progress for base on before 05.11.2020

S.No.	Description of Items	Milestone 1 (15th 20th May -15th 20th July 20)		Milestone 2 (15th 20th July - 30th July 2020)		Achieved against 2nd milestone		Achieved up to 08.11.2020		Remarks	Remarks 2 Discussion in COO meeting held on 08.11.2020
		%	Amount(₹) L	%	Amount(₹) L	%	Amount(₹) L	%	Amount(₹) L		
3	WSP 50% of total lift work along /Sinking Chamber Area Site Clearance Excavation PCC	-	-	100%	17,47,000.00	100%	5,53,432.00	20%	5,53,432.00	WSP will start up after the base work	Will be done by 25.11.2020
				100%	91,000.00	100%	30,800.00	100%	50,000.00	WSP will start up after completion of the MPP Base work	Will be done on 15.11.2020
				100%	2,45,842.00		-	0%	-		Will be done on 20.11.2020
				100%	3,68,842.00		-	0%	-		Will be done by 25.11.2020
4	RCC Foundation/Column footing Subsidiary Work Site Clearance Excavation PCC Column footing/ Foundation EXTERNAL DEVELOPMENT Compounded Wall with Gate Location & FCC RCC Column Footing RCC Columns & Beams Brickwork & Plaster MPP-2 (1130W&D) EWS	-	-	100%	12,79,805.00		-	0%	-		
		100%	1,00,000.00		-		-	100%	1,00,000.00		
		100%	3,68,842.00		-		-	100%	3,68,842.00		
		100%	5,53,410.00		-		-	100%	5,53,410.00		
		100%	18,44,700.00	100%	18,44,700.00		-	100%	18,44,700.00		
		40%	14,59,600.00	20%	12,29,805.00	20%	12,29,805.00	20%	12,29,805.00		
		40%	14,59,600.00	20%	12,29,805.00	20%	12,29,805.00	40%	18,80,400.00		
		40%	14,59,600.00	20%	12,29,805.00	10%	6,76,184.00	10%	11,35,000.00	Work is in progress	Will be completed by 25.11.2020
		100%	11,92,000.00	20%	11,92,000.00	20%	11,92,000.00	10%	11,92,000.00		
5	Construction of Raw Sewage Pump Site Clearance Excavation FCC	100%	1,50,000.00	85%	29,33,871.90	85%	29,33,871.90	100%	1,50,000.00		
		100%	5,17,790.30	100%	21,01,156.00	100%	21,01,156.00	100%	21,01,156.00		
6	RCC Foundation/ Bath Construction of Inlet Chamber & Screen Site Clearance Excavation PCC CIVIL	100%	30,000.00		-		-	100%	30,000.00	Reinforcement work is in progress	WSP get completed on 15.11.2020
		100%	1,50,000.00		-		-	100%	1,50,000.00		
7	Excavation FCC RCC Foundation/ Bath MPP-6 (Roofed) Pigeon - 08 Multi-Use Area CIVIL		-	100%	15,33,600.00		-		-	Revised for retaining work is in progress	Will get completed on 18.11.2020
			-	100%	10,72,400.00		-		-		Will get completed by 20.11.2020
			-	50%	10,78,000.00		-		-		
8	Construction of Raw Sewage Pump		-		-		-		-		

Sl.No.	Description of Work	Milestone 1 (From 20th Nov '19 to 15th Mar 20)		Milestone 2 (From 20th Apr 20 to 15th Nov 20)		Achieved against 2nd milestone		Achieved up to 06.11.2020		Remarks	Remarks 2 (Discussion in CDR meeting dated on 11.10.20)
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)		
	Site Clearance	100%	1,47,000.00	-	-	-	-	83%	1,50,000.00	Developing work is in progress, excavation to be started by 25.11.20	
	Excavation	11%	1,68,846.00	85%	13,64,864.00	-	-	11%	1,68,846.00	Will be done on 20.11.2020 Will be done on 23.11.2020	
	RCC	-	-	100%	10,12,400.00	-	-	-	-		
23	40 Weeks										
A	ICI Work	-	-	-	-	-	-	-	-		
	Construction work	-	-	10%	1,88,133.00	-	-	-	-		
B	Thermal Heat A	-	-	-	-	-	-	-	-		
	Construction work	-	-	13%	2,89,120.00	-	-	-	-		
C	Thermal Heat B	-	-	-	-	-	-	-	-		
	Construction work	-	-	14%	1,11,260.00	-	-	-	-		
24	Steam System Area (H.C. Pipes-MPA Types)										
	Site Clearance	-	-	20%	-	-	-	-	-		
	Supply of pipes	20%	2,54,70,000.00	25%	4,03,13,560.00	75%	1,83,34,230.42	41.2%	1,27,94,164.30	Inspection is in progress.	Will get completed by 25.11.2020
	Increase and supply of pipes including	-	-	20%	20,18,878.48	2.2%	1,70,433.18	2.25%	3,29,650.18	Work stopped due to variation in P&ID. Updated drawing is underprepared by STC on 07.11.20. Road turning permission is required from KDA	
25	Material			20%	20,25,878.00	-	-	-	-		
	Design, Supply, Testing & Commissioning of Steam line (crossing National Highway 2 & Railway Track)	-	-	50%	-	-	-	-	-		
	Supply of 800mm dia from Gurgaon & P&ID	-	-	44%	4,16,871.30	-	-	-	-		
	Construction of PG	-	-	-	-	-	-	-	-		
	Permitted drafted	-	-	-	-	-	-	-	-		
	Total Amount		134839750.00		254820750.00		59344251.20		184886643.50		18.50%

STATUS OF UNWAO PROJECT AS ON 08.11.2020 (Estimated values)

S. No.	Description of items	Milestone-1 (From 11th Oct. '20 to 23rd Sept '20)		Milestone-2 (From 24th Sept '20 to 30th Sept '20)		Advanced against 2nd Milestone		Achieved up to 08.11.2020		Remarks	Remarks 2 (Violation in CER, crossing dated 09.11.2020)
		%	Amount	%	Amount	%	Amount	%	Amount		
I	Design & Drawing & ETP & Sewer Laying works										
1	On approval of ETP	100%	1,91,34,100.00			0%		100%	1,91,34,500.00		
2	On approval of design & drawings for Civil & Sewerage works	25%	47,83,625.00	75%	1,43,50,875.00	75%	1,43,50,875.00	100%	1,91,34,500.00		
II	CONSTRUCTION										
A	UNWAO STP (15 MLD)										
I	S&B basin Area										
1	Site Clearance	100%	5,00,000.00					100%	5,00,000.00		
2	Excavation wall footing	100%	22,46,137.60					100%	22,46,137.60		
3	PCC wall footing	100%	27,46,137.60					100%	27,46,137.60		
4	RCC Foundation/raft of wall			100%	94,93,275.20	30%	16,47,682.56	30%	16,47,682.56	Reinforcement work is in progress	Will get completed on 22.11.2020
II	Sludge Thickener Area										
1	Site Clearance	100%	1,00,000.00					100%	1,00,000.00		
2	Excavation	100%	1,64,000.80					100%	1,64,000.80		
3	PCC	50%	1,57,450.40	50%	2,57,350.40	50%	2,57,450.40	100%	1,18,000.80		
4	RCC Foundation wall/footing			100%	6,86,534.40	50%	3,43,267.20	50%	3,43,267.20	Dressing work is in progress for base slab	Will be completed by 15.11.2020
III	RCC Foundation Wall/rafter slab										
1	Superstructure Slump Area										
1	Site Clearance	100%	1,00,000.00					100%	1,00,000.00		
2	Excavation	100%	1,14,427.40					100%	1,14,427.40		
3	PCC	100%	1,14,427.40					100%	1,14,427.40		
4	RCC Foundation wall/footing	100%	1,28,844.80					100%	1,28,844.80		
5	Wall 50% of total lift work			100%	1,43,364.80	100%	1,43,044.80	100%	1,43,044.80	Dressing work is in progress for base slab	Will get completed on 22.11.2020
6	Total LIFT work			100%	1,71,633.60						
IV	Clarification Tank Area										
1	Site Clearance	100%	1,50,000.00					100%	1,50,000.00		
2	Excavation	100%	4,22,117.00					100%	4,22,117.00		
3	PCC	100%	5,22,117.00					100%	5,22,117.00		
4	RCC Foundation/raft	100%	9,15,000.00					100%	9,15,000.00		
5	Wall 50% of total lift work			100%	8,58,168.00	50%	4,29,084.00	50%	4,29,084.00	Reinforcement/ Shuttering work is in progress	Will get completed by 22.11.2020
V	Air Blower Room Area										
1	Site Clearance	100%	2,50,000.00					100%	2,50,000.00		

Sr. No.	Description of Items	Milestone-1 (From 11th Oct '19 to 25th Sept '20)		Milestone-2 (From 26th Sept '20 to 25th Nov '20)		Achieved against 2nd Milestone		Achieved up to 18.11.2020		Remarks	Remarks 2 Discipline in O/s inserting dated 09.11.2020
		%	Amount	%	Amount	%	Amount	%	Amount		
2	Excavation	100%	3,43,267.20	-	-	-	-	100%	3,43,267.20		
3	RCC	100%	3,43,267.20	-	-	-	-	100%	3,43,267.20		
4	RCC Foundation/column footing	100%	6,86,534.40	100%	6,86,534.40	100%	6,86,534.40	100%	6,86,534.40		
5	Column & Beam	100%	6,29,801.60	100%	6,29,801.60	100%	6,29,801.60	100%	6,29,801.60		
Staff Quarters Area (Qr-1)											
1	Site Clearance	100%	50,000.00	-	-	-	-	100%	50,000.00		
2	Excavation	100%	71,000.00	-	-	-	-	100%	71,000.00		
3	RCC	100%	71,000.00	-	-	-	-	100%	71,000.00		
4	RCC Foundation/column	100%	92,000.00	100%	92,000.00	100%	92,000.00	100%	92,000.00		
5	Column & Beam	-	-	-	-	-	-	100%	92,000.00		
6	RCC Ground floor Slab	-	-	100%	92,000.00	-	-	0%	-	Staggering work is in progress	Will get completed by 23.11.2020
Guard Room Area											
1	Site Clearance	100%	50,000.00	-	-	-	-	100%	50,000.00		
2	Excavation	100%	82,211.20	-	-	-	-	100%	82,211.20		
3	RCC	100%	82,211.20	-	-	-	-	100%	82,211.20		
4	RCC Foundation/column	100%	1,14,422.40	-	-	-	-	100%	1,14,422.40		
5	Column & Beam	100%	1,14,422.40	-	-	-	-	100%	1,14,422.40		
6	RCC Ground floor Slab	100%	1,14,422.40	-	-	-	-	100%	1,14,422.40		
7	RCC Roof Slab	-	-	100%	1,14,422.40	100%	1,14,422.40	100%	1,14,422.40		
8	Brick work	-	-	100%	1,14,422.40	50%	57,211.20	50%	57,211.20	Will be completed by 20.11.20	
9	Plaster	-	-	100%	1,14,422.40	-	-	0%	-	Will be completed by 25.11.20	
Observation Room Area											
1	Site Clearance	100%	1,50,000.00	-	-	-	-	100%	1,50,000.00		
2	Excavation	100%	4,57,689.60	-	-	-	-	100%	4,57,689.60		
3	RCC	50%	2,28,844.80	50%	2,28,844.80	-	-	100%	4,57,689.60		
4	RCC Foundation/column footing	100%	4,57,689.60	100%	4,57,689.60	100%	4,57,689.60	100%	4,57,689.60		
5	Column & Beam	100%	4,57,689.60	30%	1,37,306.88	-	-	30%	1,37,306.88	Beam work is in progress	Will get completed by 24.11.2020
6	Ground floor slab	-	-	70%	4,40,194.08	-	-	0%	-		
Intit Chamber Area											
1	Site Clearance	-	-	100%	1,50,000.00	100%	1,50,000.00	100%	1,50,000.00		
Miscual & Mechanical Fire Bar Screen Chamber Area											
1	Site Clearance	100%	1,50,000.00	100%	1,50,000.00	100%	1,50,000.00	100%	1,50,000.00		
Grift Chamber Area											
1	Site Clearance	100%	1,50,000.00	100%	1,50,000.00	100%	1,50,000.00	100%	1,50,000.00		
Perisid Flame Chamber Area											
1	Site Clearance	100%	1,50,000.00	100%	1,50,000.00	100%	1,50,000.00	100%	1,50,000.00		
EXTERNAL DEVELOPMENT											
Boundary Wall with Gate											

S. No.	Description of Items	Milestone-1 (From 15th Oct-'19 to 25th Sept-20)		Milestone-2 (From 26th Sep-20 to 25th Nov-20)		Achieved against 2nd Milestone		Addressed up to 08.11.2020		Remarks	Remarks 2 Discussion in CES meeting dated 09.11.2020.
		%	Amount	%	Amount	%	Amount	%	Amount		
1	Site Clearance	100%	-	-	-	100%	-	100%	-		
2	Excavation	40%	1,31,900.00	30%	1,00,425.00	30%	1,00,425.00	70%	2,34,525.00		
3	PCC	40%	2,00,850.00	25%	1,25,531.25	25%	1,25,531.25	65%	3,26,181.25		
4	RCC Column Footing	40%	2,00,850.00	25%	1,25,531.25	25%	1,25,531.25	65%	3,26,581.25		
5	RCC Column & Beam	40%	2,00,850.00	25%	1,25,531.25	15%	75,318.75	55%	2,76,168.75	Work is in progress	Will get completed by 25.11.2020
6	Brickwork	15%	75,318.75	25%	1,25,531.25	25%	1,25,531.25	40%	2,00,850.00		
C	MPS-40 MLD										
	Civil Work										
1	Construction of Raw Sewage Sump										
2	Site Clearance	100%	5,00,000.00	-	-	-	-	100%	5,00,000.00		
3	Construction of Inlet Chamber & Screen Chamber										
1	Site Clearance	100%	1,50,000.00	-	-	-	-	100%	1,50,000.00		
D	SEWER SYSTEM AREA (3.2 Km)										
1	Site Clearance	100%	-	-	-	100%	-	100%	-		
2	Supply of pipes	20%	1,10,50,007.85	35%	1,93,55,095.70	5%	27,65,585.10	25%	1,38,25,643.95	Inspection pending, Will be able to achieve by 25.11.20	
3	Excavation and Laying of pipes Incls			20%	11,08,732.26	-	-	-	-	Drawing approval is pending, I&D Location is yet to be handed over to us.	
4	Manholes			20%	7,37,493.36	-	-	-	-		
			4,70,36,200.00		4,78,36,250.00		2,94,93,137.44		7,13,29,387.44		