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

AUGUST - 2020



Executing Agency

Uttar Pradesh Jal Nigam Benajhabar Road, Kanpur

Uttar Pradesh - 208002



Funding Agency

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



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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 Gol approved the flagship Namami Gange programme for cleaning, rejuvenation, and protection of the river Ganga. In January 2016, the Gol 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 Gol 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.

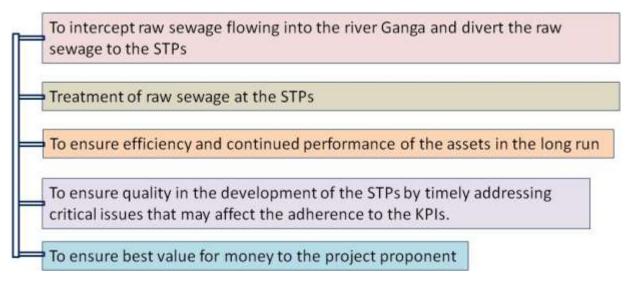


Figure 1: Objectives of NMCG and UP JAL NIGAM



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	:	24 Months from effective date
(as per contract)		(21 months construction + 3 months trial run)
O&M period	:	15 years after last Commercial Operation Date (COD)
Description of Work	·	 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.	No. of
	Date of Start- Effective Date (11.10.2019)	/size	units/length
	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-ф	6.91km
1.10	Rising main (Sundar Nagar IPS to collection chamber)	800mm-ф	0.651km
1.11	Gravity main (Thermal Nala B Tapping to common collection chamber)		
1.12	Common Gravity main (collection chamber to MPS)	2000mm- ф	1.948Km
1.13	Sewage network	350mm-ф	2.771km
		400 mm-ф	1.359km
		450 mm-ф	1.272km
		500 mm-ф	1.243km
		600 mm-ф	1.778km
		700 mm-ф	1.487km
		800 mm-ф	1.012km



	900 mm-ф	2.170km
	1200 mm-փ	3.634km
	1600 mm-փ	1.596km
	2000 mm-¢	1.948km
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
	1 st Milestone 2 nd Milestone 3 rd Milestone 4 th Milestone 5 th Milestone 6 th Milestone 7 th Milestone	1200 mm-d 1600 mm-d 2000 mm-d 2000 mm-d Milestones Date 1st Milestone 12-Oct-2019 to 25-Apr-2020 2nd Milestone 26-Apr-2020 to 10-Jul-2020 3rd Milestone 11-Jul-2020 to 24-Sep-2020 4th Milestone 25-Sep-2020 to 09-Dec-2020 5th Milestone 10-Dec-2020 to 13-Feb-2021 6th Milestone 14-Feb-2021 to 21-Apr-2021 7th Milestone 22-Apr-2021 to 22-Jun-2021

5.2 UNNAO FACILITIES

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

Table 5.2: Unnao Facilities

SN	STP Facilities			
	Date of Start- Effec	tive Date (11.10.2019)	Capacity/	No. of units/length
	Scope of Work- Ne	w Construction and O&M	nstruction and O&M	
1.1	STP		15 MLD	1
1.2	Sump cum Pump h	ouse (MPS)	40 MLD	1
1.3	Trunk Sewer		1200mm ф	3.2Km
1.4	I&D works (Nala ta	pping)	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 t	o STP)	750mm ф	100m
1.9	Rising main (bypass	5)	750mm ф	100m
1.10	Effluent distributio	n chamber	-	1
1.11	Effluent gravity check point)	nannel (STP to discharge	1.5m x 1.0m	300m
1.12	Effluent disposal di	rains	-	500m
1.13	MilestonesDate1st Milestone12-Oct-2019 to 24-Feb-2022nd Milestone25-Feb-2020 to 15-May-202			Amount in Rs.
			2020	478,36,250
			-2020	478,36,250
	3 rd Milestone	16-May-2020to 30-Jul-2	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.	No. of
	Date of Start- Effective Date (11.10.2019)	/size	units/length
	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		
Α	Phase-I	Capacity/dia.	No. of
	Date of Start- Effective Date (11.10.2019)	/size	units/length
	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	ССТ	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 CSPS	-	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/	No. of
	Schedule Handing Over Date- 01.10.2019	dia. /size	units/length
	Scope of Work- O&M		
1.1	STP 2 on ASP technology with power Generation	43 MLD	1
1.2	Sanjaypuram IPS	-	1
1.3	Khalisa lane IPS	-	1
1.4	Jajmau MPS	-	1

5.6 BINGAWAN FACILITIES

Project wise component detail of Bingawan is given in table 5.5:

Table 5.5: Bingawan Facilities

SN	STP Facilities Capacity		No. of
	Schedule Handing Over Date- 01.04.2019	/dia. - /size	units/length
	Scope of Work- Renovation and O&M for 15 years	/ 3126	
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
	Schedule Handing Over Date- 11.10.2019		units/length	
	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	1 st Milestone (due on	Amount of		ved against	Remaining	Remarks
		25.09.2020)					
				Physical	Physical	%	
Α	Design & Drawings of STP Sewer Laying work						
ı	On approval of BEP	100%	24967950	100%	24967950	0%	Completed
ii	On approval of Design & Drawings for civil & Sewerage work	100%	24967950	100%	24967950	0%	Completed
В	STP (30 MLD)						
1	SBR Basin Area						
	Site Clearance	100%	250000	95%	237500	5%	Completed
	Excavation	100%	9838400	95%	9346480	5%	work in progress
	PCC	100%	14757600	55%	8116680	45%	work in progress
	RCC Foundation/ Raft	40%	9838400	0%	0	40%	Delay at KRMPL
2	Chlorine Contact Tank Area						
	Site Clearance	100%	150000	100%	150000	0%	Completed
	Excavation	100%	737880	100%	737880	0%	Completed
	PCC	100%	1106820	80%	885456	20%	work in progress
3	Chlorination House Area						
	Site Clearance	100%	100000	100%	100000	0%	Completed
	Excavation	100%	364940	100%	364940	0%	Completed
	PCC	100.00%	553410	100%	553410	0%	Completed
5	Sludge Thickener Area						
	Site Clearance	100%	100000	100%	100000	0%	Completed
	Excavation	100%	738880	50%	369440	50%	Delayed at KRMPL
	PCC	100%	1106820	0%	0	100%	Delayed at KRMPL
9	Admin Building Area	_					
	Site Clearance	100%	100000	100% 100000		0%	Completed
	Excavation	100%	368940	100%	368940	0%	Delayed at KRMPL



SN	Description	1 st Milestone (due on 25.09.2020)	Amount of 1 st Milestone		ved against estone 1	Remaining	Remarks
				Physical	Physical	%	
	PCC	100%	553410	77%	426125.7	23%	Delayed at KRMPL
18	External Development						
В	Compound Wall with Gate						
	Excavation & PCC	40%	2459600	100%	2459600	0%	Excavation 698 m completed and 140 nos. PCC Completed
	RCC Column Footing (337No.)	40%	2459600	100%	2459600	0%	109 no. footings completed
	RCC Column & Beam (1010 mt)	40%	2459600	51.34%	12,62,758.64	0%	69 nos. column completed.
19	MPS-2 (115 MLD)						
Α	Construction of Raw Sewage Sump						
	Site Clearance	100%	150000	100%	150000	0%	Completed
	Excavation	15%	517760	15%	517760	0%	Completed
В	Construction of Inlet Chamber & Screen channel						
	Site Clearance	100%	50000	100%	50000	0%	Completed
20	ICI Nala IPS						
	CIVIL						
Α	Construction of Raw Sewage Sump						
	Site Clearance	100%	150000	100%	150000	0%	Completed
21	IPS-6 (Sundar Nagar- 20 MLD)-Pankha Area						
Α	Construction of Raw Sewage Sump						
	Site Clearance	100%	150000	100%	150000	0%	Completed
	Excavation	11%	168696	0%	0	11%	Delayed at KRMPL
24	Sewer System Area (RCC Pipes-NP3 Types)						
	Supply of pipes	16%	256,72,683.52	8.55%	13718840.26	7.45%	Out of 16624 rmt 16% comes 2660. Out of 2660, 1420 rmt received
	Total Amount		124836749.9		92711310.6		Progress up to Aug 2019 = 9.28%



PHOTOGRAPHS OF PANKHA STP SITE



Plinth Beam Boundary Wall work



PCC work of SBR





Boundary Wall Brick 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)

SN	Activity	Milest	one 1 (12.5%)	А	chieved	Remaining	Remarks
		Due o	n 25.09.2020	Till	31.08.20		
		Physical	Financial (Rs)	Physical	Financial (Rs)		
_	Design & Drawing & STP & Sewer Laying works						
1	On approval of BEP	100%	191,34,500.00	100%	191,34,500.00	0.0%	completed
2	On approval of design & drawings for Civil & Sewerage works	25%	47,83,625.00	25%	47,83,625.00	0.0%	completed
i	SBR Basin Area						
1	Site Clearance	100%	5,00,000.00	40.0%	2,00,000.00	60.0%	work in progress
2	Excavation wall footing	100%	22,46,137.60	20.0%	4,49,227.52	80.0%	work in progress
3	PCC wall footing	100%	27,46,137.60	20.0%	5,49,227.52	80.0%	work in progress
ii	Sludge Thickener Area						
1	Site Clearance	100%	1,50,000.00	0.0%	-	100.0%	delay at KRMPL
2	Excavation	100%	3,64,900.00	0.0%	-	100.0%	delay at KRMPL
3	PCC	50%	2,57,450.00	0.0%	-	50.0%	delay at KRMPL
iii	Supernatant Sump Area						
1	Site Clearance	100%	1,00,000.00	0.0%	-	100.0%	delay at KRMPL
2	Excavation	100%	1,14,422.40	0.0%	-	100.0%	delay at KRMPL
3	PCC	100%	1,14,422.40	0.0%	-	100.0%	delay at KRMPL
4	RCC Foundation wall/base slab	100%	1,28,844.80	0.0%	-	100.0%	delay at KRMPL
iv	Chlorine Contact Tank Area						
1	Site Clearance	100%	1,50,000.00	100.0%	1,50,000.00	0.0%	completed
2	Excavation	100%	4,22,112.00	100.0%	4,22,112.00	0.0%	completed
3	PCC	100%	5,72,112.00	100.0%	5,72,112.00	0.0%	completed



SN	Activity	Milesto	one 1 (12.5%)	А	chieved	Remaining	Remarks
		Due o	n 25.09.2020	Till	l 31.08.20		
		Physical	Financial (Rs)	Physical	Financial (Rs)		
4	RCC Foundation/Raft	100%	9,15,000.00	100.0%	9,15,000.00	0.0%	completed
V	Air Blower Room Area						
1	Site Clearance	100%	2,50,000.00	0.0%	-	100.0%	delay at KRMPL
2	Excavation	100%	3,43,267.20	0.0%	-	100.0%	delay at KRMPL
3	PCC	100%	3,43,267.20	0.0%	-	100.0%	delay at KRMPL
vi	Staff Quarter Area (G+1)						
1	Site Clearance	100%	50,000.00	100.0%	50,000.00	0.0%	completed
2	Excavation	100%	71,000.00	100.0%	71,000.00	0.0%	completed
3	PCC	100%	71,000.00	100.0%	71,000.00	0.0%	completed
4	RCC Foundation/column footing	100%	92,000.00	80.0%	73,600.00	20.0%	work in progress
vii	Guard Room Area						
1	Site Clearance	100%	50,000.00	100.0%	50,000.00	0.0%	completed
2	Excavation	100%	82,211.20	100.0%	82,211.20	0.0%	completed
3	PCC	100%	82,211.20	100.0%	82,211.20	0.0%	completed
4	RCC Foundation/column footing	100%	1,14,422.40	100.0%	1,14,422.40	0.0%	completed
5	Column & Beam	100%	1,14,422.40	100.0%	1,14,422.40	0.0%	completed
6	RCC GrounD Flooe Slab	100%	1,14,422.40	100.0%	1,14,422.40	0.0%	completed
viii	Chlorination Room Area						
1	Site Clearance	100%	150000	0.0%	-	100.0%	delay at KRMPL
2	Excavation	100%	4,57,689.60	0.0%	-	100.0%	delay at KRMPL
3	PCC	50%	2,28,844.80	0.0%	-	50.0%	delay at KRMPL
xviii	EXTERNAL DEVELOPMENT						
	Boundary Wall with Gate				_		
1	Site Clearance	100%	-				completed
2	Excavation	40%	1,33,900.00	51.0%	68,289.00	0.0%	completed



SN	Activity	Milest	one 1 (12.5%)	Δ	chieved	Remaining	Remarks
		Due o	n 25.09.2020	Til	l 31.08.20		
		Physical	Financial (Rs)	Physical	Financial (Rs)		
3	PCC	40%	2,00,850.00	71.0%	1,42,603.50	0.0%	completed
4	RCC Column footing	40%	2,00,850.00	71.0%	1,42,603.50	0.0%	completed
5	RCC Column & Beam	40%	2,00,850.00	44.0%	88,374.00	0.0%	completed
6	Brickwork	15%	75,318.75	5.0%	3,765.94	10.0%	work in progress
С	MPS						
	Civil Works						
i	Construction of Raw Sewage Sump						
1	Site Clearance	100%	5,00,000.00	0.0%	-	100.0%	delay at KRMPL
iii	Construction of Inlet chamber & Screen channel				-		
1	Site Clearance	100%	1,50,000.00	0.0%	-	100.0%	delay at KRMPL
ix	SEWER SYSTEM AREA (3.2 Km)						
1	Site Clearance	100%	-	0		100.0%	delay at KRMPL
2	Supply of pipes	20%	110,60,057.85	20%	22,12,011.57	0.0%	completed
	Total achieved out of 12.5%		478,36,248.80	8.0%	306,56,741.15	4.5%	8 % progress till 31.08.20



PHOTOGRAPHS OF UNNAO STP SITE



Hard Barricading in progress



Curing at site





Funny bag wrapping and Curing of BW columns



Brickwork of Boundary Wall



7 PRESENT STATUS AND ISSUES OF HAM PROJECT KANPUR

7.1 PANKHA 30 MLDSTP:

- Approval of design & drawings completed except IPS;
- Revised project schedule submitted by Concessionaire is under vetting. Six months time extension is proposed by the Concessionaire;
- ➤ Manpower deployment by the Concessionaire has been done but is not sufficient at all STP facilities. Total no. of workers deployed at site are 30-35 (as on 31.08.20) 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;
- Electric poles to be shifted;
- Quality analysis report from HBTU to be submitted;

7.2 UNNAO 15 MLD STP FACILITIES:

- Approval of design & drawings completed except MPS and I&D design work. MPS drawing need to be revised and resubmit for vetting/approval after incorporating UPJN comments. Land allotment for I&D works is pending at district administration due to land acquisition;
- Manpower deployment by the Concessionaire has been done but is not sufficient. Total nos. of workers deployed at site 30 (as on 31.08.20) 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;
- Electricity connection yet not obtained by Concessionaire;
- Quality analysis report from HBTU to be submitted;
- ➤ I&D design and drawings need to be submitted after incorporating the changes discussed with STC.

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, Geotech investigations and site layout finalization works are in progress.

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 on 10.06.2020
- Drawing & Datasheet along with QAP for PST, SST, Surface Aerators, Grit Mechanism, Screen & Thickener:

PE has demanded for some additional documents to review the submittals vide STC letter no. 447 dated 05.08.2020 and reminder letter regarding the same has been submitted by PE vide their letter no.453 dated 12.08.2020. Concessionaire has submitted the compliance report of the submittals except screen vide their letter no. UPJN/KRMPL/Kanpur/2020-21/608 dated 31.08.2020.



Control Philosophy (Instrumentation and RTOLMS design) of IPSs and CSPS:

The submittals has been vetted by PE and recommended for approval vide their letter no.459 dated 14.08.2020.

Structural rehabilitation & retrofit for 130 MLD STP:

Concessionaire has submitted the structural and rehabilitation & retrofit report for 130 MLD STP.

7.5 43 MLD JAJMAU PHASE II

- The plant is ready to be handed over to the Concessionaire. UPJN has written to the Concessionaire to deploy adequate staff for operation of the plant immediately;
- CTO received on 10.08.2020.

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.

Following points need to be addressed:

i. Compliance of Inspection Reports

PE inspected 100 MLD IPS Rakhimandi on 05.08.2020, 67 MLD IPS Munshipurwa on 06.08.2020, 20 MLD IPS Halwakhanda on 06.08.2020 & 210 MLD STP Bingawan on 06.08.2020, 08.08.2020 & 10.08.2020 and issued inspection reports on 13th August 2020. Compliance report on Inspection note at Bingawan facilities on 13.08.2020 has been submitted by KRMPL on 14.08.2020. Copy of Inspection reports of Bingawan site is enclosed.

ii. O&M Manual

Revised O&M manual of Bingawan incorporating the points decided in the meeting dated 16.12.2019 has been submitted by the Concessionaire on 31.07.2020 which is recommended for approval by PE on 17.08.2020 and approved by UPJN 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.

iv. Performance of Plant

a. Cleaning and reactivation of UASB Reactors:

All the KPIs are not being met during the month of August 2020. UASB reactor no. 8 & 1 has been filled on 30.05.2020 & 27.08.2020 respectively for reactivation after cleaning and reactor no. 4 is also in working condition. Reactor no. 2 & 3 has been taken up for cleaning. 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 August 2020 enclosed.



b. BFP: Out of 3, only 1 no. Bed filter press is operational during the month of August 2020. The Concessionaire has promised that one more BFP will be operational by 10th Sept. 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 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 23.07.2020 & 30.08.2020 for testing. Also, UPPCB Kanpur has taken the sample on 13.08.2020 & 17.08.2020 and testing report submitted by UPJN on 25.08.2020 vide UPJN letter no. 2106/w-37/72. Copy Enclosed. Testing report from IIT Kanpur of the Joint sample taken on 30.05.2020 has been submitted by concessionaire on 27.08.2020. Copy attached.

iv. Renovation Completion Certificate

Renovation (Installation of RTOLMS 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.

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 KRMPL on 29.05.2019. O&M expenditure from 29.05.2019 until effective date 11.10.2019 has been paid to KRMPL separately which is not covered under CA. Till Dec. 2019 KPIs (especially COD) of treated effluent was not under control and KRMPL was asked by NMCG to suggest improvements for COD to be within prescribed limit. KRMPL 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. He submitted calculations for available aeration on dated 28.12.2019 (in discussion with GM, UPJN Kanpur) and found that sufficient aeration is available to reduce COD from 250 to 100. Therefore there is no need for any improvement as suggested by KRMPL. Commercial Operation Date of Sajari facility was declared by UPJN on 20.06.2020.

Following Points needs to be addressed:

i) Compliance of Inspection Reports

Compliance report of Inspection held on 23.06.2020 by PE, STC on Sajari 42 MLD STP site and issued inspection report on 04.07.2020 has not been submitted by KRMPL. Compliance report of Inspection held at both 14 MLD Sanigawan IPS and 14 MLD Chakeri IPS on 13.07.2020 and inspection reports issued on 14.07.2020 has submitted by the concessionaire on 10.08.2020.

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 KRMPL on 28.08.2020 on which PE submitted the point-wise comments on 31.08.2020.

iv) Performance of Plant:

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

a) Mechanical Screens

Auto System of Both Mechanical Screens and need to be repaired.

b) Gas Generators

All 3 no's of Gas Generators installed are not operational since handover date. KRMPL had promised previously to get all the 3 gas generators by 30.06.2020 vide KRMPL letter no. 453 dated 11.06.2020, now KRMPL has promised to get the Gas generators operational by 30.09.2020.

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 KRMPL and testing to be done by IIT Kanpur. KRMPL has took the sample jointly on 18.08.2020 and sent it for testing. Testing reports from IIT Kanpur of the Joint sample taken on 20.05.2020 has been received on 27.08.2020 & the test report from NABL accredited Laboratory Spectro Research Lab Ventures (P) Ltd of joint sample taken on 27.06.2020 has been received on 04.08.2020. Both test reports are enclosed.

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 but to be calibrated and synchronized.

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,	GA, Data Sheet and QAP of centrifuge,	130 MLD Jajmau:
	Mechanical &	submersible pump and mechanical grid	The Concessionaire has
	Electrical)	collection system, Unnao- reviewed &	submitted the compliance
		recommended for approval on 25.02.2020	report of the submittals except
		GA, Data Sheet and QAP of centrifuge,	screen vide their letter no.
		submersible pump and mechanical grid	UPJN/KRMPL/Kanpur/2020-
		collection system, Pankha- reviewed &	21/608 dated 31.08.2020.
		recommended for approval on 28.02.2020	Concessionaire has submitted
		130 MLD Jajmau - Control Philosophy	the structural and
		(Instrumentation and RTOLMS design) of	rehabilitation & retrofit report
		IPSs and CSPS recommended for approval	for 130 MLD STP
2.	BEP Structure Design	SBR Rev Structural design drawing,	RCC drawing 20MLD, IPS
	& Drawings	Unnao- recommended for approval on	Sundar Nagar, Pankha. Geo
		30.06.20	tech report is not proper.
		Guard Room design, Unnao-	RCC drawing 25 MLD IPS
		recommended for approval on	ICI Nala, Pankha. KRMPL is
		01.04.20	not complied with STC
		SBR REV-RCC design drawing, Unnao-	comments.
		recommended for approval on	
		11.04.20	
		PTU Rev Structural design drawing,	
		Unnao- recommended for approval on	
		11.04.20	
		Staff Quarters Revised RCC design of	
		Unnao STP-recommended for	
		approval on 15.04.20	
		Rev Structure design of Blower Room	
		of Unnao STP-recommended for	
		approval on 16.04.20	
		ADMIN build drawing, Unnao-	
		recommended for approval on	
		10.04.20	
		Sludge thickener & Sludge re-	
		circulation Sump Rev. Structural	



	T		
		drawing, Unnao- recommended for	
		approval on 11.04.20	
		CCT Rev Structure design drawing,	
		Unnao- recommended for approval on	
		10.04.20	
		Blower Room Structure drawing and	
		design of Pankha STP- recommended	
		for approval on 30.04.20	
		structure drawing of CCT & TEPH, Jaimau- recommendations for	
		approval on 06.03.2020	
		Electrical drawing, Pankha-	
		recommendations for approval on 17.03.2020	
		Structure drawing, Unnao MPS-	
		recommended for approval on	
		29.02.2020	
		Revised drawing of boundary wall,	
		Unnao- recommended for approval on	
		29.02.2020	
3.	Construction Plan	Revised construction plan Pankha-	
		recommended for approval on	
		18.06.20 & 29.07.20 without	
		extending completion date. Revised	
		construction plan Unnao-	
		recommended for approval on	
		18.06.20 29.07.20 without extending	
		completion date	
4.	Sewer Network/Line	Design and drawings of sewer work	
	Design	Pankha- recommended for approval On 10.02.20	
		Design and drawings of sewer work	
		Unnao- recommended for approval On	
		20.02.20	
5.	ESHS Plan	ESHS approval-Already vetted by STC.	
		Approved by UPJN on 26.09.19	
6.	O&M	Bingawan RTOLMS - Reviewed & found in	Only All Risk Industrial
		order. Recommended for approval on	Insurance Policy has been
		03.12.19	submitted and remaining
		Level transmitter & flow metre - vetted &	policies are not submitted
		approved on 27.12.19	after so many reminders.
		Bingawan O&M manual - approved	Comprehensive General
		Sajari O&M manual – Approved	Liability Policies submitted by
			concessionaire is not
			acceptable.



ANNEXURE



ANNEXURE 1: Progress of Work – HAM Project Kanpur

Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6- 5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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
01.08.20	Submission of GA, Technical data sheet & Qap for centrifuge feed Pump for Pankha, Unnao & Shuklaganj Project.	20.07.20 K-528	-	-	-	-	-	CM Dimri JP Tripathi S.Rajan Satendra Priyesh Kapil Sunil Basutkar	1+1+1+ 1+1+1+ 1	_	-	-	Under review
02.08.20	Sunday												
03.08.20	HAM Project Kanpur: MPR April toJune, 2020	-	S-mail dated 03.08.20	-	-	-	-	CM Dimri JP Tripathi Vikas	1+1+1+1+1+ 1+1	-	-	-	Sent the MPR of the months Apr, May and Jun



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6-5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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
								Priyesh Satendra S. Rajan LingaRao					to NMCG
04.08.20	I&D works for 15 MLD Unnao STP	28.07.20 J-433	04.08.20S- 444	7	20	1		CM Dimri Priyesh Satendra Kapil	1+1+1+1	-	-	-	Advised UPJN to direct KRMPL to submit the compliance report
04.08.20	Site Visit Pankha STP	-	-	1	1	1	-	CM Dimri Satendra Vikas Linga rao	1+1+1+1	1	1	-	Inspection done by our engineers at Pankha STP
05.08.20	Environmental and social Impact Assessment progress report of OCT 2019 TO JUNE 2020	5.02.20 K-mail	05.08.20 S-445& 10.02.20	-	-			CM Dimri JP Tripathi Satendra	1+1+1+1+1				Advised UPJN to direct KRMPL to submit the updated ESIA report for quarter



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6- 5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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-312 & 29.05.20 S-368					S.Rajan Vikas Linga Rao					ending Dec. 2019 to June. 2020
05.08.20	Submission of drawing & data sheet along with QAP for PST, SST Surface aerator, grid mechanism, Screen , Thicker for 130 MLD STP Jajmau.	30.07.20	05.08.20S- 447	6	20	-	-	JP Tripathi	1+1+1+1+1+ 1	-	-	-	Requested UPJN to direct KRMPL to comply and hard copies for vetting
		K-548						Vikas Priyesh S. Rajan Lokesh Sunil basutkar					



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6-5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n for delay	Step taken by PE to avoid such delays	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
06.08.20	Comments on bedding calculation and manhole chamber	-	06.08.20S- 448	-	20	-	-	CM Dimri JP Tripathi Vikas Satendra	1+1+1+1	-	-	-	Requested UPJN to direct KRMPL to compliance on our Comments on bedding calculation and manhole chamber
06.08.20	Inspection note of Pankha STP facilities.		06.08.20 S-446					CM Dimri Satendra S. Rajan Priyesh Linga rao	1+1+1+1+1				
07.08.20	Submission of GA, Technical data sheet &Qap for centrifuge feed Pump for Pankha,Unnao&	20.07.20	07.08.20S- 450	18	20		1	CM Dimri	1+1+1+1+1+	-	1	-	Reviewed and recommend ed for approval.



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6-5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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
	Shuklaganj Project.	K-528						S.Rajan Satendra Vikas Kapil Sunil Basutkar					
07.08.20	Environment 3 rd party monitoring and inspection report (Unnao)		07.08.20 S-449					CM Dimri Kapil S.Rajan Lingarao	1+1+1+1				
07.08.20	Submission of GA,technical datasheet and QAP for centrifuge feed pump for pankha, unnao, shuklaganj.	20.07.20 J-528	07.08.20 S-451	17	20			CM Dimri S.Rajan	1+1+1+1+1				Reviewed and recommend ed for approval
		3 320	3 431					Satendra					



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6- 5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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 Sunil Basutkar					
08.08.20	Second Saturday												
09.08.20	Sunday												
10.08.20	STP plan layout, Shuklaganj	05.08.20 J-w/s- 97/158	10.08.20S- 452	5	20	-	-	CM Dimri Kapil Satendra Linga rao S.Kamaraju	1+1+1+1+1	-	-	-	Based on the existing condition, the STP plan layout is recommend ed for approval
11.08.20	Jajmau Renovation design and drawing approval CSPS and IPSs instrumentation and RTOLMS design	29.07.20 K-541	-	1	20	1	1	CM Dimri JpTripathi Vikas Priyesh	1+1+1+1	-	1	-	Under review



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6- 5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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
12.08.20	Note on HAM Project Kanpur	-	S- mail dated 12.08.20	-	-	-	-	CM Dimri JP Tripathi Priyesh Vikas Satendra Lokesh Kapil Lingarao	1+1+1+1+1+ 1+1+1	-	-	-	Sent a brief Note on HAM Project Kanpur to NMCG
12.08.20	Rehabilitation of 130MLD jajmau:- Submission of drawing & datasheet along with QAP for PST ,SST Surface aerator,grid mechanism, screen and thickener.	J- 1430/W- 21/12	12.08.20 S-453	1	20			CM Dimri JP Tripathi	1+1+1+1+1				Requested UPJN to direct KRMPL to Submit some additional document related to PST, SST, Surface aerator, grid mechanism.



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6- 5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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 Priyesh Lingarao					
13.08.20	Pankha: Submission of GA Data Sheet &Qap of Coarse Screen, Fine Screen	25.07.20 K-531	13.08.20S- 452	19	20	-	-	CM Dimri Satendra Vikas Priyesh Kapil	1+1+1+1+1	-	1	-	Reviewed and recommend ed for approval.
13.08.20	Pankha: Submission of GA Data Sheet &Qap of Coarse Screen, Fine Screen	20.08.20 K-531	13.08.20 S-454					CM Dimri Satendra Priyesh Kapil	1+1+1+1				Recommend ed for approval



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6-5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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
13.08.20	Unnao: Submission of GA Data Sheet &Qap of Coarse Screen, Fine Screen	20.08.20	13.08.20					CM Dimri	1+1+1+1+1				Recommend ed for approval
		K-531	S-455					Priyesh					
								Lokesh Kapil					
								Sunil Basutkar					
13.08.20	Inspection Report of 210 MLD Bingawan STP	-	13.08.20S- 456	-	1	1	1	JP Tripathi Lokesh Kapil	1+1+1+1	-	-	-	Sent the Inspection Report of 210 MLD Bingawan STP, inspected on 06/08/10.08 .2020 to UPJN
42.00.20	Danie dan fan	20.07.20	12.00.20	42	20			Lingarao	4.4.4.4.4				
13.08.20	Reminder for 05MLD STP Shuklaganj:- Submission of	28.07.20	13.08.20	12	20			CM Dimri P walunjkar	1+1+1+1+1+ 1+1				Already vetted and recommend ed the
	layout plan and	K-540	S-457 & 10.08.20					Kapil					layout plan



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6- 5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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
	borehole location		S-452					Vikas PriyeshLokesh Lingarao					and borehole
14.08.20	Submission of design & drawing for RCC precast manhole for pankha	08.08.20	14.08.20	7	20			CM Dimri P walunjkar	1+1+1+1+1+ 1				Requested UPJN to direct KRMPL to Submit STAAD PRO file for RCC
		K-588	S-458					Satendra Lokesh Vikas Lingarao					precast manhole for pankha
14.08.20	Jajmau Renovation design and drawing approval CSPS and IPSs instrumentation	29.07.20 K-541	14.08.20S- 459	16	20	-	•	CM DImri JP Tripathi Vikas	1+1+1+1+1+ 1+1	-	-	-	Reviewed and recommend ed for approval.
	and RTOLMS design							Priyesh Lokesh					



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6-5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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
								Lingarao					
								AK Seth					
15.08.20	Submission of drawing & Data sheet along with QAP for PST,SST,Surface aerator, grid mechanism,scre en , Thickener for 130 MLD STP Jajmau.	13.08.20 K-566	•	-	20	-	-	JP Tripathi Vikas Priyesh Lokesh Lingarao AK Seth	1+1+1+1+1+	-	-	-	Is under review
16.08.20	Sunday												
17.08.20	Submission of Sewer Bedding Calculation	08.08.20 K-588	17.08.20S- 460	9	20	-	-	CM Dimri Vikas Satendra Lokesh	1+1+1+1	-	-	-	Asked UPJN to direct KRMPL to comply the raised point



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6- 5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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
17.08.20	Approval of O&M manual 210 MLD Bigawan facilities	30.07.20 K-547	18.08.20 S-461	18	20			JP Tripathi Lokesh Priyesh Kapil	1+1+1+				vetted and recommend ed for approval
18.08.20	Submission of GA ,technical datasheet & QAP of centrifuge feed pump for	20.07.20	18.08.20	17	20			CM Dimri	1+1+1+1+1				vetted and recommend ed for approval (Pankha)
	shuklaganj, Unnao, Pankha,	K-528	S-462 & 07.08.20 S-450					Priyesh Satendra Kapil					
								Lokesh					
18.08.20	Submission of GA ,technical datasheet & QAP of centrifuge feed	20.07.20	18.08.20	17	20			CM Dimri	1+1+1+1+1+				vetted and recommend ed for approval (Unnao)
	pump for shuklaganj, Unnao, Pankha,	K-528	S-463 & 07.08.20					Priyesh Satendra Kapil					



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6- 5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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-451					Lokesh					
								AK Seth					
18.08.20	O&M manual,	18.08.20	18.08.20S-			-	-	JP Trpathi	1+1+1+1	-	-	-	Recommend
	Bingawan	K-570	464	0	20			Lokesh					ed for approval
								Kapil					арргочаг
								AK Seth					
19.08.20	Site Visit Unnao STP	-	-	-	-	-	-	CM Dimri	1+1+1+1	-	-	-	Inspection done by our
								Priyesh					engineers at Unnao STP
								Kapil					
								AK Seth					
20.08.20	Site Visit Jajmau	-	-	-	-	-	-	CM Dlmri	1+1+1+1+1	-	-	-	Inspection
	STP							JP Tripathi					done by our engineers at
								Vikas					Jajmau STP
								Priyesh					
								AK Seth					_
18.08.20	O&M Manual for Bingawan	18.08.20	20.08.20	2	20			JP Tripathi	1+1+1+1			_	Review and Comment
		K-570	S-466					Lokesh					submitted
								Vikas					
								AK Seth					



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6- 5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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
20.08.20	15MLD SBR Based STP Unnao	-	20.08.20 S-467	-	-			CM Dimri Priyesh AK Seth	1+1+1				Expert and client (PM_4,Luck now office),regar ding the construction material of screen to SS-316
21.08.20	Commercial Operation Date for Bingawan Facilities	19.08.20 K-573	21.08.20S- 465	3	20	-	-	JP Tripathi Lokesh Vikas	1+1+1	-	-	-	Informed UPJN after Considering the mention point in our said letter Bingawan COD may be issued



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6- 5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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
22.08.20	Submission of drawing & Data sheet along with QAP for PST,SST,Surface aerator, grid mechanism,scre en , Thicker for 130 MLD STP Jajmau.	13.08.20 K-566	22.08.20S- 468	9	20	-	-	JP Tripathi Vikas Priyesh AK Seth Lokesh	1+1+1+1+1+		-		Asked UPJN to direct KRMPL to submit the required additional documents for early vetting
22.08.20	Revised construction plan-pankha	-	22.08.20 S-469					CM Dimri JP Tripathi Satendra Priyesh	1+1+1+1+1+				Requested UPJN to direct KRMPL to submitted hard copy of revised construction
								Lokesh Kapil					plan-pankha



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6- 5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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
23.08.20	Sunday												
24.08.20	Reminder of Electrical Drawing compliance for 130 MLD STP Jajmau	-	24.08.20S- 470	-	20	-	-	JP Tripathi AK Seth Lokesh Vikas	1+1+1+1+1	-	-	-	Reminder sent to UPJN to direct KRMPL to submit the compliance
25.08.20	Issue of Identity card	-	25.08.20 S-471					CM Dimri JP Tripathi Vikas Lokesh	1+1+1+1				Request letter regarding issue of Identity card of STC employees
25.08.20	Commercial Operation Date for 210 MLD Bingawan Facilities	24.08.20 K-573	25.08.20S- 472	1	20	-	-	JP Tripathi AK Seth Lokesh	1+1+1+1	-	-	-	Informed UPJN before issuing the COD trial operation as per art.7.14 is necessary



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6- 5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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					
26.08.20	Submission of design and drawing for RCC precast manhole for Pankha sewerage network facilities	08.08.20 K-588	26.08.20S- 473 14.08.20S- 458	18	20	-	-	JP Tripathi P walunjkar Vikas Satendra Kapil	1+1+1++11	-	-	-	Asked UPJN to direct KRMPL to comply the raised point
27.08.20	Site Visit Pankha STP	-	-	-	-	-	-	CM Dimri JP Tripathi Satendra Priyesh Kapil	1+1+1+1	-	-	-	Inspection done by our engineers at Pankha STP



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6-5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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
28.08.20	Notarized copy of Industrial All Risk Policy for Bingawan	26.08.20 K-589	28.08.20S- 474	2	20	-		JP Tripathi Lokesh AK Seth	1+1+1	-	-	-	Asked UPJN to direct KRMPL to submit the all Notarized copy of Industrial All Risk Policy for Bingawan
29.08.20	Submission of Submission of drawing & Data sheet along with QAP for PST, SST, Surface aerator, grid mechanism, Screen,	J- 2146/W- 21/12	29.08.20 S-476					JP Tripathi Ak Seth Vikas Lokesh	1+1+1+1+1				Requested UPJN to direct KRMPL to submit the required additional documents for early vetting



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6- 5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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
29.08.20	Submission of drawing & Data sheet along with QAP for PST, SST, Surface aerator, grid mechanism, Screen, Thickener for 130 MLD Jajmau.	28.08.20 J-w- 20/26	29.08.20S- 474	1	20	-	-	Sunil Basutkar JP Tripathi Ak Seth Vikas Lokesh	1+1+1+1	-	-	-	Asked UPJN to direct KRMPL to submit the required additional documents for early vetting
30.08.20	Sunday												
31.08.20	Notarized copy of Industrial All Risk Policy for Bingawan	28.08.20	31.08.20					JP Tripathi	1+1+1+1				Requested UPJN to direct KRMPL to submit Notarized



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day tak en	Time as per contrac t (days)	Delay if any (No. of days) [7=6-5]	Reaso n for delay *	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concess ionaire	Reaso n 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
		K-601	S-477					Lokesh Kapil Vikas					copies of all insurance policies.
31.08.20	Notarized copy of Industrial All Risk Policy for Sajari	28.08.20 K-602	31.08.20S- 478	3	20	-	-	JP Tripathi Lokesh Kapil Vikas	1+1+1+1	-	-	-	Asked UPJN to direct KRMPL to submit the all Notarized copy of Industrial All Risk Policy for Sajari



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

SN	Name	Designation	Total Man-days	Input
1.	Mr. Chandra Mauleshwar Dimri	Senior Civil Engineer	31	Timesheet attached
2.	Mr. Jai Prakash Tripathi	O&M Engineer	31	Timesheet attached
3.	Mr. Anil Kumar Seth	Senior Electrical Engineer	15	Timesheet attached
4.	Mr. Sunil Basutkar	Senior Mechanical Engineer	06	Timesheet attached
5.	Mr. P Walunjkar	Structure Engineer	03	Timesheet attached
6.	Mr. Satish Kamaraju	Senior Process Expert	01	Timesheet attached
7.	Mr. Linga Krishna Rao	Safety expert	12	Timesheet attached



Annexure 2: Timesheets of Experts

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

NMCG-STP Projects at Kanpur under Hybrid Annuity based PPP MoDaily Report Mr. C.M dimri Senior Civil Engineet/ T.L Description Apraise Bingawan RTOLMS & test certificate. Sunday MPR of April to June prepration & checking.	Month/Year: Aug-19 Location Kanpur Kanpur
Mr. C.M dimri Senior Civil Engineet/ T.L Description Apraise Bingawan RTOLMS & test certificate. Sunday	Aug-19 Location Kanpur
Description Apraise Bingawan RTOLMS & test certificate. Sunday	Location Kanpur
Description Apraise Bingawan RTOLMS & test certificate. Sunday	Location Kanpur
Sunday	272010020
	Kanpur
MPR of April to June prepration & checking.	
	Kanpur
Meeting about HAM Progress CEK UPJN.	Kanpur
Bingawan facilities RTOLMS checking etc.	Kanpur
	Kanpur
	Kanpur
	Kanpur
	Kanpur
The state of the s	Kanpur
	Kanpur
	Kanpur
	Kanpur
	Kanpur
The state of the s	Kanpur
	Kanpur
	Kanpur
onnao Data sneet etcuscussed with pm-4.	Kanpur
Discussion about Bingawan RTOLMS completion with pm E&M	Kanpur
representation of Appropriate Company and	Kanpur
Structure design of Pankha I/D works discussed with Mr. Preetam valunjkar /Director.	Kanpur
Discussion with CEK about pankha STP progress.	Kanpur
Sunday	Kanpur
Pankha MPR Checked and draft letter sent to CEK ti issue.	Kanpur
Manhole chamber comment discussed.	Kanpur
Bingawan and sajari payment problem discussed with NMCG + Mandays details.	Kanpur
Structural design of Jaimau discussed with expert	Kanpur
nspection of Pankha STP facilities with CEK and GM and meeting with	Kanpur
	Kanpur
Sunday	Kanpur
	rompur
etting of pending structure design discussed with expert	Kanpur
	Aprasial of Pankha STP-GA Data sheet etc. Aprasial of Shukla ganj STP Layout Plan. Sunday Discussion with SE 3rd about shuklaganj STP. RTOLMS data Checking of Bingawan STP. Note on HAMKanpur sent to NMCG. Compliance of bedding cover discussed with expert. Jajmau CSPS & IPS vetted and wensite problem. Independence day Sunday. Bedding cover calculation discussed and letter issued. Junao Data sheet etodiscussed with pm-4. Discussion about Bingawan RTOLMS completion with pm E&M Labour report sent to NMCG. Structure design of Pankha I/D works discussed with Mr. Preetam valunjkar /Director. Discussion with CEK about pankha STP progress. Sunday Pankha MPR Checked and draft letter sent to CEK ti issue. Manhole chamber comment discussed. Bingawan and sajari payment problem discussed with NMCG + Mandays letails. Structural design of Jajmau discussed with expert. Inspection of Pankha STP facilities with CEK and GM and meeting with CEK at CE office about COD. Manhole Chamber for Pankha and Unnao Discussed with KRMPL & Expt. Manhole Chamber for Pankha and Unnao Discussed with KRMPL & Expt. Manhole Chamber for Pankha and Unnao Discussed with KRMPL & Expt.



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

Description 1			Project Engineer Shah Techanical Consultants Pvt Limited	
Position: Date Description Lockdown Lockdown Lockdown Lockdown Lockdown Attended meeting of CE KNP Zone UPJN in his office with PM 2 GPCU UPJN Bucussed with Mr Armt Bharamive O & M Inchange KRMPL regarding submission of O & M Manual of Bingawan Facilities Discussed with PM (E & M) GPCU UPJN regarding commissioning of DG set and On Line Monitoring system at Sajari Second Saturday Discussed with PM (E & M) GPCU UPJN regarding commissioning of DG set and On Line Monitoring system at Sajari Revolved Management Information System for operation & maintenance during renovation period of 130 MLD Jaymau Facilities submitted by KRMPL Revolved Management Information System for operation & maintenance during renovation period of 130 MLD Jaymau Facilities submitted by KRMPL Revelved Management Information System for operation & maintenance during renovation period of 130 MLD Jaymau Facilities submitted by KRMPL Revelved revised O & M Manual submitted by KRMPL Revelved revised O & M Manual submitted by KRMPL Mrote letter to GM GPCU UPJN regarding approved O & M Manual of 210 MLD Bingawan Facilities Wrote letter to GM GPCU UPJN regarding approved O & M Manual of 210 MLD Bingawan Facilities Wrote letter to GM GPCU UPJN regarding report of UT Kanpur of treated Effluent of Bingawan STP P Discussed with PM III GPCU UPJN regarding report of UT Kanpur of treated Effluent of Bingawan STP P Discussed with GM GPCU UPJN regarding COD of 210 MLD Bingawan Facilities Wrote letter to GM GPCU UPJN regarding COD of 210 MLD Bingawan Facilities Wrote letter to GM GPCU UPJN regarding COD of 210 MLD Bingawan Facilities Revelwed Notatroad opy of Industrial AIR Risk Policy of Bingawan Facilities Wrote letter to GM GPCU UPJN regarding Notarized Industrial AIR Risk Policy of Bingawan Facilities Wrote letter to GM GPCU UPJN regarding Notarized Industrial AIR Risk Policy of Bingawan Facilities Notation P Reveloped Code of Bingawan Facilities Wrote letter to GM GPCU UPJN regarding Notarized Industrial AIR Risk Policy of Binga				
Position: Date Description 1	-	Name :		
Date Description L Cockdown Sunday Rokehabandham Prepared Time sheet and Invoice for the Month of July 2020 Attended meeting of CE KNP Zone UPJN in his office with PM 2 GPCU UPJN Buscussed with Mr Amit Bharamve O & M Incharge KRMPL regarding submission of O & M Manual of Bingawan Facilities Poscussed with Mr Amit Bharamve O & M Incharge KRMPL regarding submission of O & M Manual of Bingawan Facilities Poscussed with PM (E & M) GPCU UPJN regarding commissioning of DG set and On Line Monitoring system at Sajari Second Saturday Sunday Corrected and finalized MPR for the Month of July 2020 If Kinthus Jammashtmi Revelved Management Information System for operation & maintenance during renovation period of 130 MLD Jajmau Facilities submitted by KRMPL. Discussed with PM (E & M) GPCU UPJN regarding commissioning of On Line Monitoring system at Bingawan A Revelved revised O & M Manual submitted by KRMPL. Sunday Wrote letter to GM GPCU UPJN regarding approved of O & M Manual of 210 MLD Bingawan Facilities Wrote letter to GM GPCU UPJN regarding O & M Manual of 210 MLD Bingawan Facilities Wrote letter to GM GPCU UPJN regarding COD of 210 MLD Bingawan Facilities Wrote letter to GM GPCU UPJN regarding COD of 210 MLD Bingawan Facilities Wrote letter to GM GPCU UPJN regarding COD of 210 MLD Bingawan Facilities Wrote letter to GM GPCU UPJN regarding COD of 210 MLD Bingawan Facilities Wrote letter to GM GPCU UPJN regarding COD of 210 MLD Bingawan Facilities Wrote letter to GM GPCU UPJN regarding COD of 210 MLD Bingawan Facilities Reveiwed Indiana Facilities KM Wrote letter to GM GPCU UPJN regarding COD of 210 MLD Bingawan Facilities Wrote letter to GM GPCU UPJN regarding COD of 210 MLD Bingawan Facilities KM Bingawan		Position:		Month/Year: Aug-20
Sunday Roteshabandhan Prepared Time sheet and Invoice for the Month of July 2020 Attended meeting of CE KNP Zone UPJN in his office with PM 2 GPCU UPJN Bocussed with Mr Amt Bharamve 0 & M Incharge KRMPL regarding submission of 0 & M Manual of Bingawan Facilities Discussed with PM (E & M) GPCU UPJN regarding commissioning of DG set and On Line Monitoring system at Sajari Second Saturday Corrected and finalized MPR for the Month of July 2020 Kfishus Jammashtmi Revelved Management Information System for operation & maintenance during renovation period of 130 MLD Jajmeu Facilities submitted by KRMPL Jacobs Sunday Revelved PM (E & M) GPCU UPJN regarding commissioning of On Line Monitoring system at Bingawan Revelved PM (E & M) GPCU UPJN regarding commissioning of On Line Monitoring system at Bingawan Revelved PM (E & M) GPCU UPJN regarding commissioning of On Line Monitoring system at Bingawan for the Monitoring System for the Monitoring S	-	Date		Location
Attended meeting of CE KNP Zene UPJN in his office with PM 2 GPCU UPJN Attended meeting of CE KNP Zene UPJN in his office with PM 2 GPCU UPJN Bingswan Facilities 7 Discussed with Mr Arns Bharamue O & M Incharge KRMPL regarding submission of O & M Manual of Bingswan Facilities 7 Discussed with PM (E & M) GPCU UPJN regarding commissioning of DG set and On Line Monitoring system at Sajan 8 Second Saturdary 9 Corrected and finalized MPR for the Month of July 2020 10 Corrected and finalized MPR for the Month of July 2020 11 Revelwed Management Information System for operation & maintenance during renovation period of 130 MLD Jajmau Facilities submitted by KRMPL 13 Discussed with PM (E & M) GPCU UPJN regarding commissioning of On Line Monitoring system at Bingawan 14 Revelwed revised O & M Manual submitted by KRMPL 15 Independence Day 16 Wrote letter to GM GPCU UPJN regarding approval of O & M Manual of 210 MLD Bingswan Facilities 19 Discussed with PM II GPCU UPJN regarding report of IIT Kanpur of treated Effluent of Bingswan STP 20 Discussed with GM GPCU UPJN regarding report of IIT Kanpur of treated Effluent of Bingswan STP 21 Wrote letter to GM GPCU UPJN regarding COD of Bingswan Facilities 22 Wrote letter to GM GPCU UPJN regarding COD of Bingswan Facilities 23 Revelwed interes received from KRMPL regarding COD of 210 MLD Bingswan Facilities 24 Revelwed Notarcod copy of Industrial All Risk Policy of Bingswan Facilities 25 Wrote letter to GM GPCU UPJN regarding COD of 210 MLD Bingswan Facilities 26 Revelwed Notarcod copy of Industrial All Risk Policy of Bingswan Facilities 27 Wrote letter to GM GPCU UPJN regarding COD of 210 MLD Bingswan Facilities 28 Revelwed Notarcod copy of Industrial All Risk Policy of Bingswan Facilities 29 Lockdown 30 Wrote letter to GM GPCU UPJN regarding COD of 210 MLD Bingswan Facilities 30 Michael Services and Services and Services of Bingswan Facilities 31 Facilities & Sajari Facilities 32 Lockdown 33 Facilities & Sajari Facilities		2		
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Mr. A. K. Seth (Senior Electrical Engineer)

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	Daily Report	
Name :	ANIL KUMAR SETH	Month/Year: Aug-20
Position:	Description	Location
Date	Description	
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12		
13	work connected with 198-6, 195-7 & MPS-2 Panela.	KANPUR
14		1)
15	Independence day work connected with unnas STP,	KANPUR
16	Wirk connected with Panna & Eliculation 577	(2)
17	monitored the progress of Unnas & Panilla 37P(6)	"
18	Study of work Plan for unnao & Pankha STP(5)	Rev-2. 11
19	Provincement Trackers - Pankha & unnas ST	The Principles of the Control of the
20	work connected with 5 mil Shuklagani ST	
21	work connected with some Pankha, Flow Chartel	
22	Sunday	CLUSTES
23		
24	Summary preparation of STP Profesto Shukladan	1
25	Summary preparation of STP(S) Unnao Pankha 8	9
26	Bill Checking of electric Consumption of STP at	- "
27	ladition at probated work Summan chart of Paulih	А, 7/
28	Inspection of CE SE 2 of U.P.J.N. at Pankha sile. Alterted with Th.	v
29	Prepared the institution report (Draft) for CE UPIN inspection at Pankha Silo	"
30	Sunday	
31	Work Connected with Unnas Pankhad Shullingan electrical works,	,
hereby cer	rtify that the time report above is a true and complete statement of my working time for the p	ayroil period.
100	\	



Mr. S. Kamaraju (Senior Process Expert)

Project	Shah	Techanical (Consultants F	vt Limited	
	1 686				
	rojects at Kanpur under Hybrid And	nuity based PPP	Mode		
Daily Report for Name:	Satish Kamaraju, Process Engineer				
Position:	The state of the s				
Positions	Office Manager				
Date	Description		Duration (Days)	STP/Nalas	Work Performed Locatio
20/01/2020	Review of Studge Handling System of Facility - Responding to the request receing 20/1/20 from TL	ived via email dated	0.25	Jajmau STP	Home
22/01/2020	Review of Studge Handling System of Facility - Responding to the request rece	ived via email dated	0.25	Jajmau STP	Home
08/03/2020	Review Comments of ICI Nala & Sun Responding to the request received via a from TL		0.5	Nalas	Home
19/03/2020	Review Comments of ICI Nels & Sun Responding to the request received via a from TL		0.5	Nalas	Home
04/04/2020	Review of TEPs of Jajmau STP - Responsed via small dated 04/04/20 from T (Mr. Priyesh Shukla)	L/Support Engineer	1	Jajmau STP	Home
07/05/2020	Review of Process Calculations based STP - Responding to the request receiv 03/05/20 from TL		0.5	Sajari STP	Home
11/05/2020	Response drafted on KRMPL R3 Revision MLD Renovation	on Jajmau STP 130	0.5	Jajmau STP	Home
21/06/2020	Response draffed on KRMPL Letter on Responding to the request received via a from TL		0.25	Sajari STP	Home
18/07/2020	Review Comments of I&D Work at Therm Note & ICI Nate	al Nala, IPS Sundar	3	Nalas	Home
20/07/2020	Review of ITT Comments on Jajmau 5' responding the comments by		5	Jajmau STP	Home
26/07/2020	Review Comments given on new layout o Phone calls - Responding to the request dated 25/7/20 from TL	received via email	1	Shuklagani STP	Home
31/07/2020	Review of Pankha STP CCT Dwg - Re request received via small dated 30		0.5	Pankha STP	Home
10/08/2020	Discussion over the phone with TL on St Layout & Drafting an email response Responding to the request received via en from TL	in this regard -	0.5	Shuklagani STP	Home
24/09/2020	Review of KRMPL/STC Letters on Shu Status - Responding to the request received to the received		t	Shuklaganj STP	Home
28/09/2020	Review comments of process calculation Unriao - Responding to the request received to the received to		#:	Unnao	Home
29/09/2020	Review comments of process calculation Umnao - Responding to the request receit 26/09/20 from TL		1	Unnao	Home
04/10/2020	Detailed summary of the letters on Shukla CRs - Responding to the request receive 03/16/20 from TL		1	Shuklagani STP	Home
12/10/2020	Client VC Meeting - NMCG, JN, ST	C & KRMPL	0,25	All Projects	Home
16/10/2020	Detailed summary of the letters on , Responding to the request received via en- from TL.		1	Jajmau STP	Home
19/10/2020	Response given on CA Agreement : Compilarios for BEPs (Shuklegan)		0.5	Shuklagani STP	Home
05/11/2020	Review of Latters, drafting a detailed e received on I&D Works for Unnex STP - request received via amail dated 04/	Responding to the	1	Unneo I&D	Home



Mr. P Walunjkar (Structure Engineer)

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

Name: / Preetam Walunjkar (Structural Specialist)

Month/Year: August 2020

Date	Package	Location	Details of Work
01-08-2020			Saturday Holiday
02-08-2020			Sunday Holiday
03-08-2020			Rakshabandhan Holiday
04-08-2020	Nagaur	Office	Check TM02 Bid Documents for Deshnok CWR VOL I & II & Meeting with CE PHED for new CWR
05-08-2020	Nagaur	Office	Coordination with Deshnok L&T Engg for IIT Professor site visit.Check TM02 Bid Documents VOL II for Deshnok CWR
06-08-2020	Nagaur	Office	Coordination with Deshnok L&T Structural Engg for Deshnok CWR
07-08-2020	Nagaur	Office	Coordination with Deshnok L&T Structural Engg for Deshnok CWR
08-08-2020			Saturday Holiday
09-08-2020			Sunday Holiday
10-08-2020	Nagaur		Study Harsaur ESR Soil Test report & Staad file
11-08-2020	Nagaur		Study Harsaur ESR structural Drawing 8tm Dome, Conical Wall & Girder Beam
12-08-2020	Nagaur		Check Septic Tank Drg for CDS 04
13-08-2020	Kanpur	Office	Review Kanpur Unnao SBR & PTU rev drg & Check Concrete Corrosion & NDT , Carbonate & NDT test for Jajmau
14-08-2020	Kanpur	Office	Download & Review manhole0.9, 1.2,1.5 & 1.8m Dia drg Pankha
15-08-2020			Saturday Holiday
16-08-2020			Sunday Holiday
17-08-2020	Nagaur	Office	Check UF Chamber Drg for CDS 03
18-08-2020	Nagaur	Office	Discus the IIT Professor visit to Deshnok issue with SE& CE PHED
19-08-2020	Nagaur	Office	Review RCC Drg and staad Pro File manhole 1.20m Dia drg Pankha .Discus the IIT Professor visit to Deshnok issue with DTL
20-08-2020	. Nagaur	Site	CDS04 Sites Visits ESRs , Pump Houses & PSP
21-08-2020	Nagaur	Office	Preparation of Site Visit Report for CDS04
22-08-2020			Saturday Holiday
23-08-2020			Sunday Holiday
24-08-2020	Nagaur	Office	Meeting with CE PHED for CWR issue & Letter Preparation as per CE instructions
25-08-2020	Nagaur	Office	Meeting with CE PHED for CWR issue & Letter Preparation as per CE instructions
26-08-2020	Kanpur	Office	Prepare review report on manhole0.9, 1.2,1.5 & 1.8m Dia drg Pankha &
27-08-2020	Site Visit CDS01	Site	Site Visit CDS01 Parbatsar Site
28-08-2020	THE PARTY OF THE P		Ramdeoji Jayanti holiday
29-08-2020			Saturday Holiday
30-08-2020			Sunday Holiday
31-08-2020			Leave

SIGNATURE

TL/ DTL PMSC for RRWS&FMP (Nagaur)

Page 1 of 1



Mr. L.K. Rao (Safety Expert)

		Shah Technical Consultants Pvt Limite	ed	
Engine	er	-STP Projects at Kanpur under Hybrid Annuity based PPP Mode		
	NMCG	Daily Report		
Name:	Linga Krishna		Month/Year: Aug-20	
	Safety Expert		Location	
Date 1	and Noise leve	Description Environmental monitoring (Water text. Air text, SOX, NOX, SPM, DG Stock monitoring left, by "Mis Gineer Enviro" or 1st August, 2020 witnessed along with KRMPL, Barlety Inn. Officer in JAJMAJ & UNIANG Construction units. Also site inspection done in the limb strong with Support Engineers Mr.Lithesh Khandekwill and Mr.Kapil Barsall units	Kanpur	
	asove	SUNDAY	Kanpur	
2			Kanpur	
3		RAINH HOLIDAY		
4	Office work att	ended, Ponkha 15 MLD Construction and imperate done along with Support Engineers Air Satendra Sharma and Mr Vikas Sharma	Kanpur	
5	vertication	tended. Preside 15 MLD Construction also inspects report pregured and sent to TL for United & Parkter Construction report of dt, 31st July, 2020 & 1st August, 2000 draft proposed and sent to TL for verification.	Kanpur	
-	Office work at	ended, Review of ESIA (Environmental and Social imped Assessment) of new projects	Kanpur	
6	Office work is	Deuter of out site safety respection reports compliance by KRMPL or different	Kanpur	
7	Ciffee work of	Toolset EMS (Engagemental Health and Safety) of Joynesi 150 MLD	Kanpur	
0	Cirico work as	CASA FIRST COTTON TO WATER CO.	Kanpur	
9		Sunday Sunday Brighwan 200 MLD place is reported done along with Support Engineers Mr. Brighwan 200 MLD place (Navoletina)	Kanpur	
10	Office work a	Lowest Notice - Lowest Notice	Kanpur	
- 11		Srs Krishna Janmashlami	Kanpur	
12	Office work at	tendod, Sajan 43 Mt.D plant site inspectio done along with Support Engineers Mr.Lokaen Khandalissal		
13	Office wor	k attended, Bingawan 200 MLO plant also inspectin report prepared along with Support Engineers Mr. Lokesti Khandelwell	Kanpur	
14	Office work a	mandest. Sejani 42 MLO plant site inspection report prepared along with Support Engineers. Mr.Lohash (Dorobelos)	Kanpur	
		Independence Day	Kanpur	
15			Kanpur	
16	1	Sunday	100000	
Signatu	aré of Employe	o Signature of TeamS Leader		

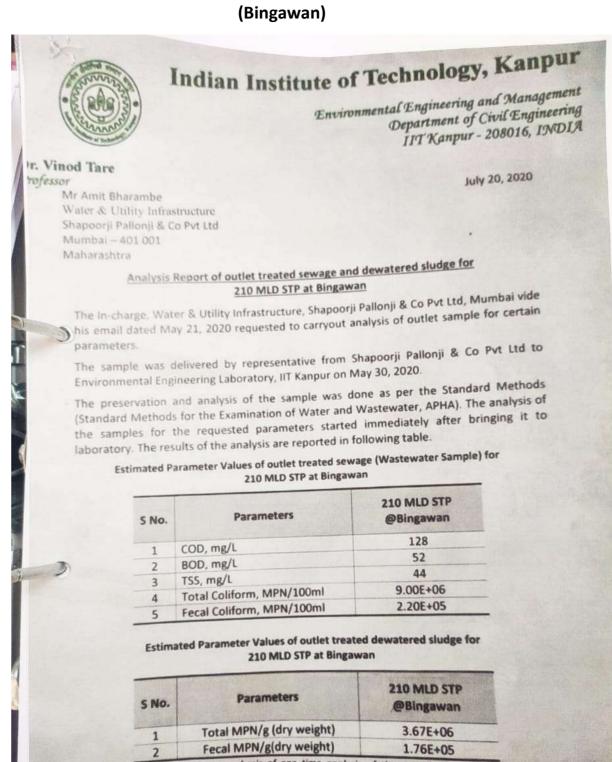


Annexure 3: Monthly Performance Report of Bingawan

								210 MLD S	EWAGE T MONT	REATMEN HLY FLOV	T PLANT,	BINGAWAN, EPORT	KANPUR					
					RAY	V SEWAGE					FII	IAL OUTLET				_	MONTH-AUGUST-2020	
Date	INLET FLOW in MLD	Plant Run in HRS	DATE AND A	Temp	TDS	PH (7-8)	-	B00 (322mg/I)	Charles Carl	(i) Temp	TOS	PH (7-8)	(<100mg/l)	800 (<30mg/l)	TSS (<50mg/l)	POWER SHUTDOWN		REMARK
1-lug-20	155.66	340	31	960 960	7.3	512	ppm 166	384	31	9pm 990	7,6	ppm	ppm	ggm	HRS	MINS		
2-kg2t	137,60	240	B	860	7.4	540	150	102	31	500	7.7	354	11	*				
3 dag 28	137.00	24.0	1	876	73	532	148	196	31	590	76	120	11	58	-	-		
4,lag2)	74.75	240	-11	866	7.2	512	155	388	31	900	75	7/10	30	50	-			
5Jap20	79.20	244	11	800	73	544	150	490	31	896	7.7	112	11	12	12	50	33KV HT Felder Fault From KesCO side	
632231	99.35	24.0	31	868	72	472	144	190	31	910	76	96	12	34	15	15	33fv HT Freeder Fault From YesCO side	
1-lag-21	145.41	24.0	31	860	7.4	504	146	400	30	899	7.8	194	11	54				
Hagai	14438	242	12	900	73	512	150	434	N	86 86	15	112	11	- 58				
9.Jug21	133.12	24.0	R	840	7.3	532	190	38	32	890	74	304	12	60				
15-hq-21	120.98	24.0	n	910	7.4	456	146	H0	32	899	7.5	112	12	58 60	40	C de C	The service of	
13-Aug-20	52.34	24.6	31	896	71	536	156	400	11	918	75	104		100	4	-	33% HT Freder Fault From KesCO side	
12-Aug 20	120.64	74.5	31	880	72	408	152	397	h h	926	75	96	12	58 60	17	25	53% HT Feeder Foult From KesCO side	
13 Aug 30	102.96	24.0	31	570	73	532	166	400	11	90)	75	104	B	100	-	20	33% HT Feeder Fault Fram KesCO sale	
Tirkg-II	16.57	14.0	31	889	7.4	512	170	392	11	910	12	112	34	58	-	-		
IShq-II	128.96	24.0	175-5	10000	73	544	168					104	11					
16-Aug-20	192.36	24.0	32	890	7.4	532	170	380	32	900	7.5	129	D D	56	-	-		
17-Aug-20	141.61	240	31	890	73	544	174	400	11	933	-	104	11	60	-			
16-Nag-25	142.48	24.0	31	888	7.4	560	170	398	11	900	77	112	31	50	-	-		
19.Aq.3	1693	24.0		886	73	578	177	400	31	963	26	104	22	51				
BAg2l	152.50	240	31	900	7.4	544	178	38	31	990	7.7	184	38	54				
Displi	177-571	24.0	11	900	73	538	170	399	31	908	7,5	112	31	50				
Wag 20		241	11	907	74	536	176	400	31	900	7.6	104	30	9				
Distay 20	-	24.0	31	880	7.1	536	190	410	31	120	7.7	194	31	48				
26-lag 20	-	24.0	11	£90	7.A	46	178	400	31	310	75	96	31	-				
25 Aug 20	- 12	24.0	31	898	73	536	180	398	33	908	76	194	32	46				
John J.	1	243	33	880	7,4	544	186	40	31	900	76	120	31	54				
Than 2		240	31	898	7.3	576	186	396	31	910	37	112	11	2				
Ding II		24.0	11	96	73	560		415	li li	950	75	125	H	- 52				
25 Aug (0)	132.77	240	1	946		1000	176	2.031111		940	7.5	11/11/2		50		-		
31-4ag-30	126.36	24.0	-11	Land All	7.4	HF.	170	105	11	1000	-	112	n					
	1000000	3.00	30	928	7.4	536	134 	400	30	948	76	120	Ĭ.	ă				
11-kap20	125.10	20	35	900	73	544	196	380	11	933	8	120	33	Si	1	10	33N HT Feeder Fault From ResCU side	
TOTAL	4004.20														50	38		
AVG	129.17	24.00	31.1	887.1	7.3	526.6	166.9	395.9	31.1	908.6	7.6	106,4	31.6	53.9				



Annexure 4: Test Result of Joint Sampling Report of Treated Effluent (Bingawan)

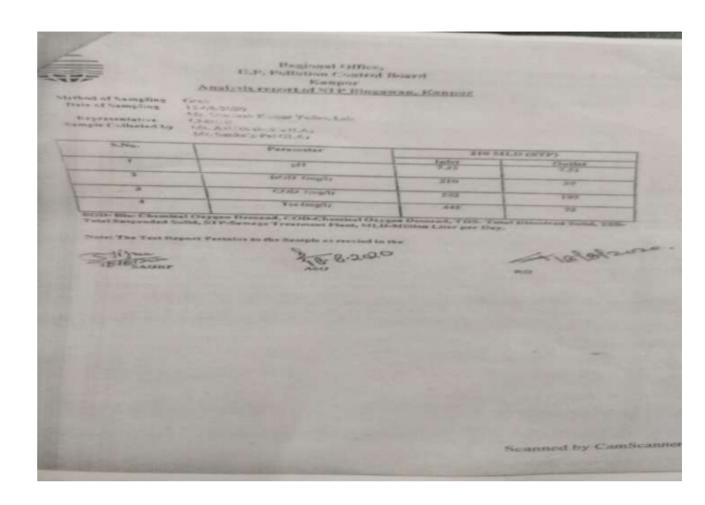


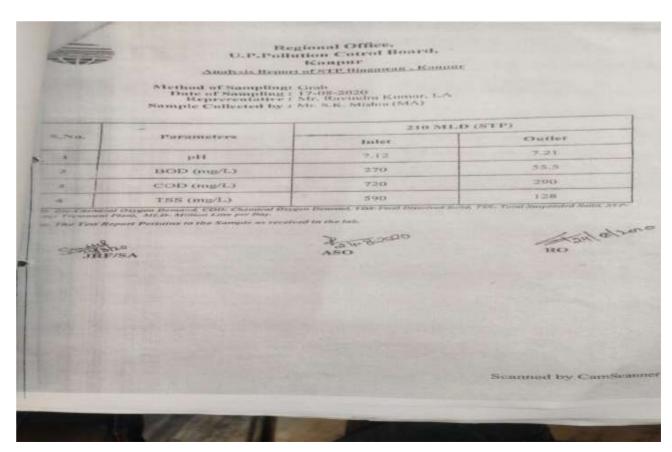
NOTE: The results presented are on basis of one time analysis of the sample collected by Environmental Engineering Laboratory, Department of Civil Engineering, IIT Kanpur.

(Vinod Tare)

Tel: +91-512-2597792 (O); 2590820/2598617 (R)
Fax: +91-512-2597797/2597395/25960260; e-mail: vinod@iitk.ac.in









Annexure 5: Site Inspection Reports for the Month of August 2020 (Bingawan)

Inspection report of 210 MLD STP Bingawan

Visit & Inspected on date 06-08-2020, 08.08.2020 & 10.08.2020

Following STC & KRMPL Staff were present

- · Mr. Lokesh Khandelwal, Support Engineer
- Mr. Linga Krishna Rao, Safety Expert
- Mr. Mahipal, Junior Engineer, UPJN
- · Mr.Amit Brahmre, O&M In-charge, KRMPL
- · Mr. Alokesh Das, Instrumentation Engineer, KRMPL
- . Mr. Salesh Yadav, Lab Chemist, KRMPL

Observations:-

- 1. Online Monitoring System :-
- Out of 2 no's of Electro-Magnetic Flow meters, 1 no. is installed at site and has been synchronised with RTOLMS. EMF is not calibrated.
- Inlet sump 2 nos. level transmitters are installed, found working and has been synchronised with RTOLMS.
- Online monitoring system, RTU, DNP & UPS installed at Inlet & Outlet, and has been synchronised with RTOLMS and testing results (COD, BOD & TSS) are change every 15 minutes. Both feeding pumps are not placed at the fixed location.
- It is also necessary to install RTOLMS system displaying proper power consumption and timing for both Power supply and Power backup (DG set).
- Installation of Flow meter at the treated effluent channel of the STP is necessary and has been synchronised with RTOLMS.



- Note:- RTOLMS Instruments and equipments are installed have been verified for installation at site. Technical parameters need to be ensured by the concessionaire.
- 2. Collection Chamber
- 2 no's of manual screen are in working condition.
- 2 no's of mechanical screen including belt conveyer assembly installed which are not in working condition till now.
- 2 no's of mechanical screen structure has to be painted. Currently in corroded state.

John

De





3. Main Pumping Station

Out of 12 no's sewage transfer pump installed. All are in working condition. Pump no. 9 ATS problem sort out today .Out of 2 nos. EFM 1 no. EFM installed at site it was showing discharge flow of every pump (Pump no. 7 - 2345 cum./hr., Pump no. 8 - 1930 cum./hr. Pump no. 9 - 2024 cum./hr. Pump no. 10 - 1995 cum./hr. Pump no. 11 - 2008 cum./hr. Pump no. 12 - 2020 cum./hr.



4. Inlet chamber

- 2 no's of manual screen are in working condition.
- 3 no's of mechanical screen including belt conveyer assembly are installed but 1 no. is not in working condition



5. Grit removal assembly

- Out of 4 no's, all are in working condition. 2 &3 number scraper mechanism are stopped due to cleaning of tank and maintenance of raking plates with scooping arrangement.
- Coupling guard & Chain guards has yet to be placed
- Painting has to be carried out for all the gates.

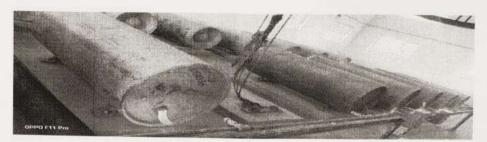
John

W



9. Chlorination

 Chlorine emergency kit demo to be arranged and chlorine mock drills to be conducted.

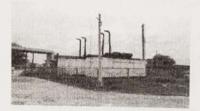


10. Gas holder

Out of 2 no's both are not in working condition.

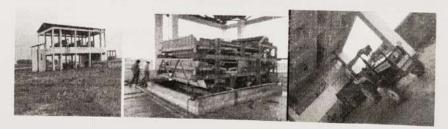
11. DFG & DG set

- Out of 2 no's DFG, 1 no. DFG is working condition and another under maintenance from plant handover date
- Full Power Backup i.e. DG set is extremely needed for each facility and to be arranged.



12. Belt filter press

 Out of 3 no's one number is working, and another one number is repairing work is being done. KRMPL has told that 1 no. will be ready by 10.09.2020.



13. COD Nala Screen

- No person was available for screen cleaning. There is no arrangement for cleaning day and night.
- COD nala structure platform, hand railing and ladder got damaged due to corrosion or erosion. It must be rectified immediately.

John

P









14. Miscellaneous

- · There is no proper approach road beyond aeration system
- · Boundary wall work is to be completed as earlier by upjn.
- · There is no proper house keeping
- · IP camera is to be installed around the plant

15. Safety

- Chlorine safety system to be improved, required proper caution boards and safe operation
 procedure at outside and inside area, chlorine detector and alarm system to be arranged for
 safety of operators and workers working in this area.
- SCBA (self contained breathing apparatus) which is in good condition and required usage training for workers is not there.
- Near mosque well top plate or grill to arrange in protection point of view.
- While entering in to 'DARGA" in/out checking and monitoring to be done at entry gate in safety point of view. In case of any problem in this area then the Concessioner should take liability as per Factories Act.
- In plant all ladders hand railing supports to be arranged for avoiding the fall of persons while climbing and getting down from ladder.
- In plant entire platforms area toe boards with 100X6 mm plate to be arranged for avoiding fall of persons legs in down.
- Coupling guards and chain belt guards to be provided for all the pumps and motors in the site area.
- DG area cautions boards, do's and don'ts along with "no smoking" to be written on the DG fence gate.
- In entire plant safety cautions boards, slogans, pictorial message, and flexes to be arranged for creating safety awareness to the workers, staff and visitors of the plant.

Marine Counter Signed

Lokesh Khandelwal Support Engineer Sunder Rajan Support Engineer

Linga Krishna Rao Safety Expert

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210 MLD STP Bingawan Inspection report of IPS, Rakhimandi (100 MLD)

Visit & Inspected on date 05.08.2020

Following STC & KRMPL Staff were present.

- 1. Mr. Lokesh Khandelwal, Support Engineer, STC Kanpur
- 2. Mr. Sundar Rajan, Support Engineer, STC Kanpur
- 3. Mr. Mahipal, Junior Engineer, UPJN
- 4. Mr. Amit Brahmre, O&M In charge, KRMPL
- 5. Mr. Alokesh Das, Instrumentation Engineer, KRMPL

Observations:-

1. Online Monitoring:

- 1 no. of Electro-Magnetic Flow meter is installed at site and has been synchronised with RTOLMS.
- RTU, UPS, Level transmitter has been installed at site and has been synchronised with RTOLMS.
- Level transmitter has been installed at 16.0 m from the FFL and has been synchronised with RTOLMS
- It is also necessary to install RTOLMS system displaying proper power consumption and timing for both Power supply and Power backup (DG set).



Note:-

RTOLMS Instruments and equipments are installed have been verified for installation at site. Technical parameters need to be ensured by the concessionaire.

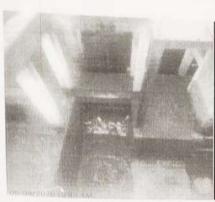
2. Collection Chamber

- 1 no. of manual screen is working condition.
- 1 no. of mechanical screen installed including Belt Conveyer found not in working condition.
- MS structural's are in rusted condition. Painting has to be carried out.
- There is no proper trolley for collecting derbies in the belt conveyer.











Pumping Station

 Out of 5 no's sewage transfer pump. All are found in working condition and has been synchronised with RTOLMS.



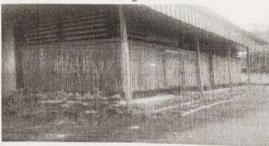
4. Miscellaneous

- · No proper housekeeping around the site.
- Plastering on Collection chamber walls have to be carried out and painting of civil structure need to be done.

Counter Signed.

5. DG Set

1 no. of DG set is found in working condition.



Lokesh Khandelwal Support Engineer

Sundar Rajan Support Engineer



210 MLD STP Bingawan Inspection report of IPS, MunshiPurwa (67 MLD)

Visit & Inspected on date 06.08.2020

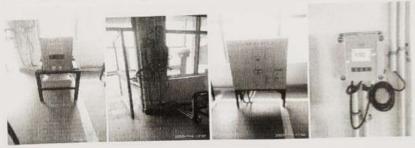
Following STC & KRMPL Staff were present.

- 1. Mr. Lokesh Khandelwal, Support Engineer, STC Kanpur
- 2. Mr. Sundar Rajan, Support Engineer, STC Kanpur
- 3. Mr. Mahipal, Junior Engineer, UPJN
- 4. Mr. Amit Brahmre, O&M In charge, KRMPL
- 5. Mr. Alokesh Das, Instrumentation Engineer, KRMPL

Observations:-

1. Online Monitoring

- 1 no. of Electro-Magnetic Flow meter is installed at site and has been synchronised with RTOLMS.
- RTU, UPS, Level transmitter has been installed at site and has been synchronised with RTOLMS. Ultrasonic level transmitter measuring data is not satisfactory and needs to be calibrated.
- Level transmitter has been installed at 13.5 m from the FFL and has been synchronised with RTOLMS.
- Installed UPS equipment is not found in working .Other UPS equipments are connected with system during inspection.
- It is also necessary to install RTOLMS system displaying proper power consumption and timing for both Power supply and Power backup (DG set).



Note:-

RTOLMS Instruments and equipments are installed have been verified for installation at site. Technical parameters need to be ensured by the concessionaire.

2. Collection Chamber

- 1 no. of manual screen is working condition.
- 1 no. of mechanical screen installed including Belt Conveyer found not in working condition. Same is under maintenance work.
- MS structural's are in rusted condition. Painting has to be carried out.
- Inlet and outlet of the mechanical screen gates operating handle is not available and same has to be installed.

John





3. **Pumping Station**

Out of 6 no's sewage transfer pump. All are found in working condition and has been synchronised with RTOLMS



4. Miscellaneous

- No proper housekeeping around the site.
- · Plastering on Collection chamber walls have to be carried out and painting of civil structure need to be done.
- For the Sluice valve chamber proper hand railing has to erect.
- RCC slabs are found in damaged condition same has to be replaced.



DG Set

1 no. of DG set is found in working condition.



Lokesh Khandelwal Support Engineer

Counter fighed Support Engineer
13/06/20



210 MLD STP Bingawan Inspection report of IPS, HalwaKhanda (20 MLD)

Visit & Inspected on date 06.08.2020

Following STC & KRMPL Staff were present.

- 1. Mr. Lokesh Khandelwal, Support Engineer, STC Kanpur
- 2. Mr. Sundar Rajan, Support Engineer, STC Kanpur
- 3. Mr. Mahipal, Junior Engineer, UPJN
- 4. Mr. Amit Brahmre, O&M In charge, KRMPL
- 5. Mr. Alokesh Das, Instrumentation Engineer, KRMPL

Observations:-

1. **Online Monitoring**

- 1 no. of Electro-Magnetic Flow meter is installed at site and has been synchronised with RTOLMS
- RTU, UPS, Level transmitter has been installed at site and has been synchronised with RTOLMS
- Level transmitter has been installed at 10.0 m from the FFL and has been synchronised with RTOLMS
- It is also necessary to install RTOLMS system displaying proper power consumption and timing for both Power supply and Power backup (DG set).

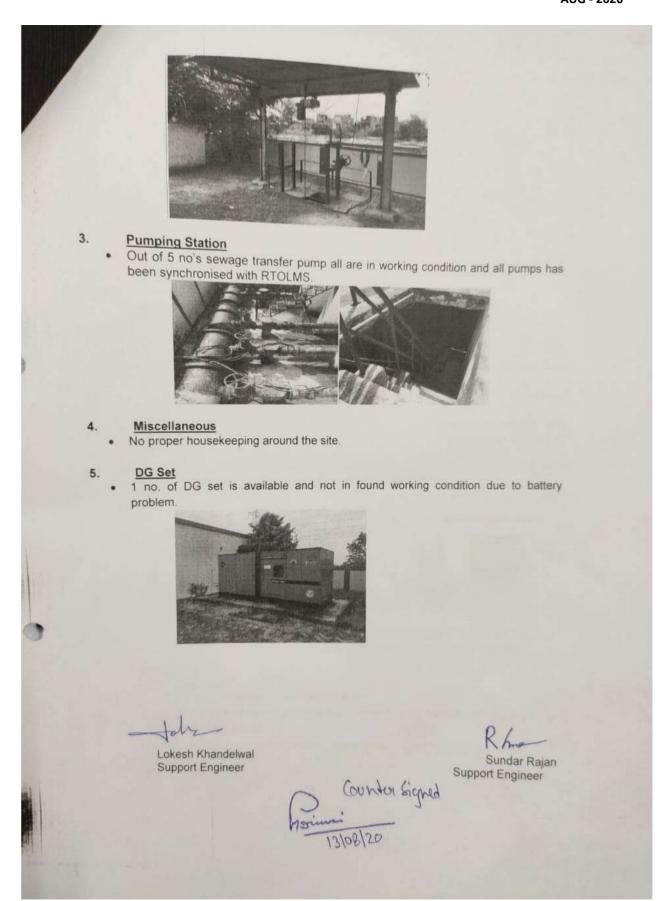


Collection Chamber 2.

- Out of 2 no mechanical screen 1 no. is installed which is not found in working condition.
- MS structural's frames (surrounding mechanical screen) are in rusted condition and the same has to rectify.
- Painting has to be carried out in MS Structural's.
- There is no proper trolley for collecting derbies.

John







Annexure 6: Summary of Monthly Performance Report of Sajari

								MO	NTHLY	ROW &	LAB	EPORT						- 16	osth:	August 2020
	07		RAW SEWAGE FINAL OUTLET Aristin																	
Date	INLET FLOW in MLD	Plant Run in HRS	Temp	TDS	PH (7-8)	000 450 mg/l)	800 (258 mg/l)	TSS (640 mg/l)	Temp	TUS	PH (7-8)	(c)	Maria de la constanta de la co	800 (<38mg/!)	TSS (<50mg/l	D0	5490	DOWN		REMARK
			'n	ppm		ppm	ppm	ppm	4:	ppn.		19	m.	ppm	ppm	ppm	HBS	MIN		
Aug-20	23.76	24.0	29	1260	7.5	408	162	303	29	813	7.9	9	6	23	25	1.7	_		-	Z STREAM IS UNCER OPERATION
Aug-20	20.79	21.0	29	1129	75	384	155	294	25	802	7.9	8	8	21	- 21	1.9		40	+	2 STREAM IS UNCER OPERATION
Aug-10	14.35	14.0	29	1209	7.5	428	160	303	29	823	7.9	9	6	.21	27	1.6	+	40	-	2 STREAM IS UNDER OPERATION
I Brown	13.86	14.0	29	1357	7.5	476	165	m	29	905	7.9	- 11	04	23	- 24	1.4		75		2 STREAM IS UNEER OPERATION Found Over color in Raw Sewace
Aug-20		1.300			7.5	356	140	243	29	894	7.9	9	6	22	D.	1.6		30		2 STREAM IS UNDER DIFFRATION
Aug-10	17.33	17.0	29	1290	1100		27700	314	29	941	7.9	31	D4	24	30	13	1	- 55		2 STREAM IS UNDER OPERATION Found Dive color in Raw Sewige
Aug-30	16.58	17:0	29	1405	7.5	496	168	200	-	- 1/1	-		92	72	76	18				2 STREAM IS UNDER OPERATION
Aug-20	14.36	14.0	29	1341	7.5	384	160	297	29	816	7.9		96	22	29	15		45		2 STREAM IS UNDER CREMATION
Aug-N	23.07	23.0	29	1310	7.5	356	155	268	29	823	7.9				-	19		T		2 STREAM IS UNDER OFERATION
Aug 30	23.76	24.0	29	1296	7.5	348	148	254	29	894	7.9		88	21	16	1.15	+	+	+	Found Dive color in Rain Sevete 2 STREAM IS UNDER OPERATION
-	0.00	20.0	20	1390	7.5	472	160	305	29	891	7.9		104	23	29	Ti		-	-	Found Diverger in Raw Sewere 1 STREAM IS UNDER OPERATION
l-Aug-20	22.77	23.0	29	1370	100		10.5	777	29	887	2.5		96	21	27	18		1	1	Found Dire color in Raw Seware
Aug-20	23.76	24.0	29	1461	7.5	495	165	327	- 4	-	-		1/1	-11	31	113				2 STREAM IS UNDER CRENATION
	20.70	21.0	29	1391	7.5	476	170	314	29	932	7.5		104	24	- 22	-	+	+	-	Found Dive color in Flaw Sevence 2 STREAM IS UNDER OPERATION
Aug-30	20.79	1000		1388	7.5	408	164	294	29	894	7.	9	92	21	28	1	-	+	40	2 STREAM IS UNDER DIFFRATION
Aug-20	22.77	23.0	29	-	7.5	384	155	265	29	805	7.	9	58	20	26	-	1	+	10	2 STREAM IS UNDER OPERATION
-Aug-31	23.76	24.0	29	1291	7.5	416	150	293	29	915	7.	9	%	72	X	-	1	+		1 STREAM IS UNCER OFFICE TWO
Aug-20	21.87	22.0	29	1297			154	246	29	89	4 7	9	80	21	2	1	9	4		Found Over color of Rate Season 2 STREAM IS UNDER OPERATION
Aug 30	23.76	24.0	29	1221	7.5	356			29	90	2 7	9	92	23	2	1	3	-		2 STREAM IS UNDER OPERATED
	20.79	21.0	29	1310	7.5	449	162	291	79	-		9	96	22	2		9	_		2 STREAM IS UNDER OPERATIO
Aug D	23.76	24.0	29	1305	7.5	388	140	294	-			9	104	25	3	1	1.6	1	30	Found Dive color to Raw Severa
Aug 20	-	21.0	29	1413	7.5	496	184	291	25	90			1600	13		6	19	1		2 STREAM IS UNDER OPERATIO
Aug-30	20.79	21.0	-	1339	7.5	380	155	264	25	84	-	9	96	21			21			2 STREAM IS UNDER OPERATIO
Aug-20	22.77	23.0	29	-	7.5	416	160	279	7	8	-	1.9	98	24		27	17			Z STREAM IS UNDER OPERATI
Aug 20	23.76	24.0	29	1253	7.5	456	175	308	2	9	15	7.9	92	1 2		75	1.5	1	30	2 STREAM IS UNDER OPERATION
Aug-20	18.81	19.0	29	1409		396	158	281	2	9 8	41	7.9	88	-			16			2 STREAM IS UNDER GREAT Found Dive color in Raw Sens
Aug-20	21.29	21.0	29	1294	7.5		1	315	2	9 9	13	7.9	104	2		31	-		+	2 STREAM IS UNDER OPERAT
	22.77	23.0	29	1402	7.5	516	180	_	1	9 8	36	7.9	96	2	3	27	17	14	+	2 STREAM IS UNDER OPERAT
Aug-20			29	1290	7.5	380	155	286	-	-	-	7.9	88	21	.0	75	18	1	+	VICTORIAN IS UNDER DREAM
Aug-20	23.76	24.0		1205	7.5	376	145	261	+	-	***	7.9	92	1	14	28	1.6	-	+	- owner that IS UNIFER OPERAL
tug-20	22.77	23.0	29	1319	7.5	416	160	278	-	-	-	7.8	96		22	26	19	_	+	*** 100 mm (1) 1 (1) (1) (1) (1) (1) (1) (1) (1) (
(E-30)	23.76	24.0	29	-	7.5	432	154	310	1	X.	894			1	4.0	31	17	2		
ug-20	21.78	22.0	29	1461	1		166	316		29	934	7.9	104		Marie III	- 11	19	1	1	- ATTICLISE IN LINES AND A
	19.80	20.0	29	1505	7.5	480	_	- 000	-	29	816	7.9	88	_	21	27	17	1	1	2 STREAM IS UNDER OPERAL
lag-30	15.00	7.0	30	1301	7.5	356	148	243	+	-	839	7,9	%		23	32	L	+	6	30
og-20	22.61	23.0	29	-	7.5	440	160	294	+	29	400				_	27.4	1.8	+	1	
ug-20	19.80	20.0	29	1358	-				+	78	B61	7.9	94.8		22.4	27.4	1.0	_		
TAL	656.34 21.17 s ingress of In				7.5	420,0	159.5	288.		Jules of	4630	12,19,24	29 Augus	st 2020.	_	-	-			



Annexure 7: Test Result of Joint Sampling Report of Treated Effluent (Sajari)

