

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

MARCH - 2022



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ABBREVIATIONS

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

MONTHLY PROGRESS REPORT – HAM KANPUR

1. INTRODUCTION

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

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

Rapidly increasing population, rising standards of living and exponential growth of industrialization and urbanization 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 program 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 three new STP facilities at Pankha, Unnao and Shuklaganj with O&M for 15 years, rehabilitation of existing Jajmau 130 MLD STP with O&M for 15 years and O&M of existing 210 MLD USAB based Bingawan STP facilities, 43 MLD Jajmau and for 42 MLD Sajari STP facilities for 15 years 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.

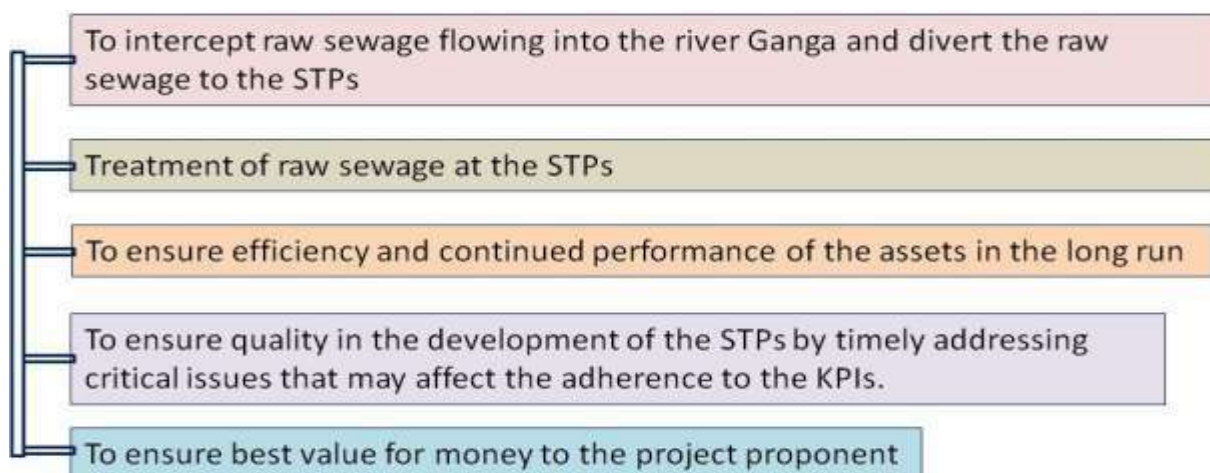


Figure 1: Objectives of NMCG and UP JAL NIGAM

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

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/2018-19 dated 21.12.2018
Cost of Project (CAPEX+OPEX)	:	Rs. 816.25 Cr. (CAPEX 255.50 Cr. + OPEX 560.75 Cr.)
Effective Date	:	11.10.2019
Completion date (as per contract)	:	24 Months from effective date (21 months construction + 3 months trial run)
O&M period	:	15 years after last Commercial Operation Date (COD)
Description of Work	:	<ul style="list-style-type: none"> ➤ Construction of three new STPs (SBR) at different locations (30 MLD at Pankha, 15 MLD at Unnao and 5 MLD STP at Shuklaganj) and related infrastructure with 15 years of O&M; ➤ Rehabilitation of 130 MLD (Phase-I) STP at Jajmau with construction of 200 MLD TEPS and 173 MLD CCT at Jajmau with O&M for 15 years; ➤ O&M of 43 MLD (Phase-II) Jajmau facilities, O&M of 210 MLD Bingawan facilities and O&M of 42 MLD Sajari facilities for 15 years;

5. PROJECT WISE DETAILS OF COMPONENTS UNDER HAM KANPUR PROJECT

HAM Kanpur project is divided into 5 districts of the Kanpur– Pankha (District –III, Kanpur), Unnao & Shuklaganj – (District Unnao), Jajmau – (District I, Kanpur), Bingawan – (District II, Kanpur) and Sajari – (District IV, Kanpur).

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

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

5.1 PANKHA FACILITIES

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

Table 5.1: Pankha Facilities

SN	STP Facility	Capacity/Dia./Size	Nos./Length
Date of Start- Effective Date (11.10.2019)			
Scope of Work- New Construction and O&M			
1	STP	30 MLD	1
2	MPS	115MLD	1
3	ICI Nala IPS	25 MLD	1
4	Sundar Nagar	20 MLD	1
5	Thermal Nala (A) tapping	22 MLD	1
6	Thermal Nala (B)(tapping)	8 MLD	1
7	ICI Nala (tapping)	7.85 MLD	1
8	Rising main (IC Nala IPS to collection chamber)	800mm-φ	6.450 km
9	Rising main (Sundar Nagar IPS to collection chamber)	800mm-φ	0.547 km
10	Common Gravity main (collection chamberto MPS)	2000mm- φ	1.948Km
11	Sewer network	16.624 km	
		350mm-φ	2.258 km
		400 mm-φ	0.611 km
		450 mm-φ	0.704 km
		500 mm-φ	0.718 km
		600 mm-φ	1.046 km
		700 mm-φ	1.079 km
		800 mm-φ	3.226 km
		900 mm-φ	1.171 km
		1000 mm- φ	0.060 km
		1200 mm-φ	2.290 km
		1600 mm-φ	1.635 km
		2000 mm-φ	1.826 km
12	Manhole		308 nos.

5.2 UNNAO FACILITIES

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

Table 5.2: Unnao Facilities

SN	STP Facility	Capacity/Dia./Size	Nos./Length
Date of Start- Effective Date (11.10.2019)			
Scope of Work- New Construction and O&M			
1.	STP	15 MLD	1
2.	Sump cum Pump house (MPS)	40 MLD	1
3.	I&D works (Nala tapping)	90 MLD	1
4.	Trunk Sewer	1200mm ϕ	3.6Km
5.	Manholes		46 nos.
6.	Rising main (MPS to STP)	750mm ϕ	100m
7.	Rising main (bypass)	750mm ϕ	100m
8.	Effluent gravity channel (STP to discharge point)	1.5m x1.0m	300m
9.	Effluent disposal drain	700mm	570m

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 Facility	Capacity/Dia./Size	Nos./Length
Date of Start- Effective Date (11.10.2019)			
Scope of Work- New Construction and O&M			
1.	STP	5 MLD	1
2.	Sump cum Pump house (MPS)	20 MLD	1
3.	Connecting sewer (in zone 2)	400-500mm ϕ	200m
	Effluent Disposal line	400mm ϕ	310m
	(I&D to STP)	600mm ϕ	430m
	I&D works (Nala tapping)	45 MLD	1
4.	Collection chamber	3.5mx3.6mx1m	1
5.	Rising main (MPS to STP)	500mm ϕ	50m
6.	Rising main (bypass)	500mm ϕ	50m
7.	Effluent channel (STP to discharge point)	1.5m x1m	100m

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 Facility	Capacity/Dia./Size
Date of Start- Effective Date (11.10.2019)		
Scope of Work- Renovation and O&M		
1	STP (ASP) with power Generation	130 MLD
2	Sump cum Pump house (TEPH)	200 MLD
3	CCT	173 MLD
4	Nawabganj IPS	14.35 MLD
	PH1	5.35 MLD
	PH2	9 MLD
7	Parvat IPS	66.67 MLD
	PH1	32.83 MLD
	PH2	21.6 MLD
	PH3	12.4 MLD
11	Baba Ghat / Muar mill IPS	7.42 MLD
	Guptar Ghat IPS	1.44 MLD
	Jajmau CSPA	129.6 MLD

5.5 JAJMAU PHASE II STP FACILITY

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

SN	STP Facility	Capacity/Dia./Size
Date of Start- Effective Date (11.10.2019)		
Scope of Work- Renovation and O&M		
1	Khalasi Lane IPS	50.69 MLD
2	Sanjaypuram IPS	4.03 MLD
3	Jajmau MPS	25 MLD

5.6 BINGAWAN FACILITIES

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

Table 5.5: Bingawan Facilities

SN	STP Facility	Capacity/Dia./Size
Schedule Handing Over Date- 01.04.2019		
Scope of Work- Renovation and O&M		
1	STP (USAB)	210 MLD
2	Installation of online monitoring system (RTOLMS)	
3	Bingawan MPS	200 MLD
4	Rakhimandi IPS	108 MLD
5	Halwakhanda IPS	69.12 MLD
	Munshipurwa IPS	18.79 MLD
7	Sisamau Nala (tapping)	8 MLD

5.7 SAJARI FACILITIES

Project wise component detail of Sajari is given in table 5.6

Table 5.6: Sajari Facilities

SN	STP Facility	Capacity/Dia./Size
Schedule Handing Over Date- 11.10.2019		
Scope of Work- O&M for 15 years		
1	STP on ASP Technology	42 MLD
2	MPS	42.24 MLD
3	Chakeri IPS	14.33 MLD
4	Sanigawan IPS	14.33 MLD

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 started after effective date i.e.

- i. transfer of land for STP in Pankha from KDA;
- ii. permission of laying of sewer line along road in Pankha from KDA;
- iii. Unnao & Shuklaganj and renovation of existing facilities i.e. Jajmau 130 MLD.

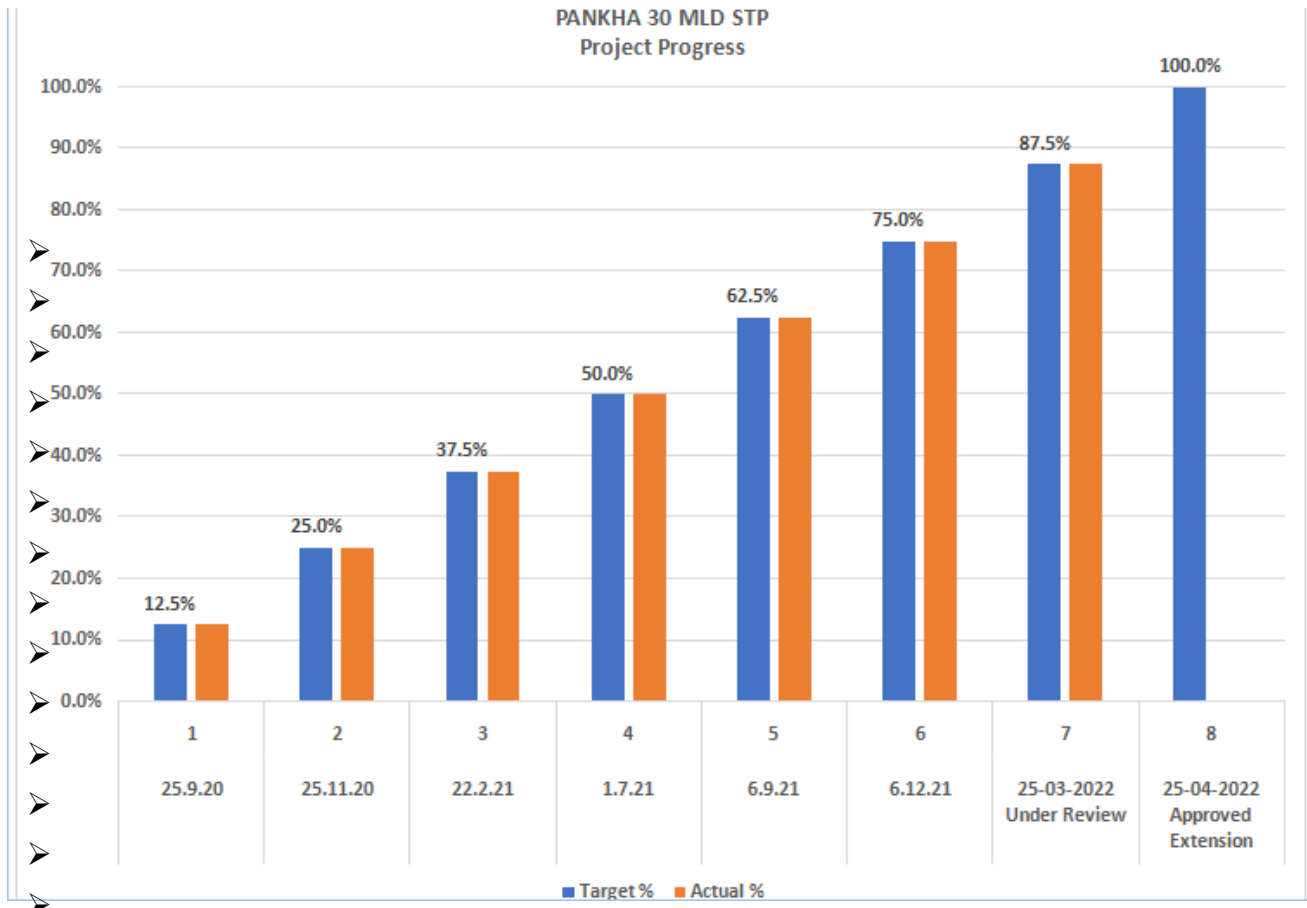
The overall physical progress of the facilities have been taken in the same proportion as financial progress as per milestones in approved Construction Plan. Overall progress can be monitored as project works have been divided in eight milestones each having progress of 12.5%. Execution of works of new STP facilities and O&M of existing facilities were hampered because of COVID-19 pandemic. Nationwide lockdown was imposed in April 2020 to June 2020 due to which work progress was affected severely. Again in April 2021, due to second wave of COVID-19 progress of work was again affected as majority of workers, staff and officials were affected by the second wave of COVID pandemic.

Once process of unlock started, the Concessionaire was asked to speed up the work. The Concessionaire submitted revised construction plans for new STP construction facilities compensating relevant construction milestone works with extended timeline. Originally, the scheduled date of project completion was 10th October 2021 i.e. 24 months from the effective date. But due to COVID pandemic and heavy rainfall during monsoon season of 2021, milestone works were lagging far behind the schedule. On dated 03.09.2021, in the JMD UPJN meeting, new target date for completion of balance works of Pankha and Unnao STPs was given i.e. 15th Dec. 2021. But the works of these STPs couldn't be completed on 15th Dec. 2021 due to inadequate deployment of manpower and poor work planning / lack of double shift working at these facilities. In the NMCG meeting dated 30.12.2021, the Concessionaire assured to make Pankha plant operational on 15.01.2022 by taking Thermal Nala-A flow into the STP. For Unnao STP, NMCG directed the Concessionaire to complete the works of STP by 31.01.2022.

In the NMCG meeting dated 17.02.2022 the Concessionaire requested for final time extension due to COVID-19 1st & 2nd waves as per guidelines released by GOI and also requested for extension due to additional works under variation. With above, the Concessionaire requested for EOT for Pankha till 25/04/2022 and for Unnao till 15/05/2022. DG NMCG discussed EOT with UPJN and PE and it was decided to grant the EOT for the aforesaid period with condition of double penalty if works still not completed within extended time. The progress of construction of new STP facilities is given in following headings.

6.1 MILESTONE WISE ACTIVITIES AND PROGRESS: PANKHA STP FACILITIES

The progress of works related to the 30 MLD STP at Pankha is very slow. Till date total progress is 87.6%. As per direction given in the NMCG meeting dated 17.02.2022, time extension has been given to KRMPL. Now KRMPL needs to complete Pankha plant by 25.04.2022. KRMPL submitted 7th milestone completion request with unit wise progress on 25.03.2022. It is under review. Status and progress of Pankha STP is as following:



- Till March 2022 overall progress is 87.6%. Manpower deployed at the site was 60-90 nos. KRMPL need to increase the manpower over 300 and work in night shift as directed in the NMCG meeting dated 17.02.2022, 30.12.2021 and 17.11.2021 so that simultaneous works on multiple site could be started to complete the STP works at earliest;
- It was noticed by PE and UPJN that at Pankha STP night shift workers are same which work in day shift. Because of this, efficiency and pace of work get negatively affected. In the NMCG meeting dated 30.12.2021, the Concessionaire was directed to submit night shift work plan with separate set of workers from day time for which the Concessionaire agreed. But its compliance by KRMPL is still not done;

- Status of progress of different STP units till March 2022 are as following:

STP Units	Target %	Achieved %
I&D structure (All 3)	100%	65%
Sewer Laying (13 km of 16.624)	100%	80%
Manholes (230 completed of 308)	100%	75%
Rising Main (3.12 km of 7 km)	100%	45%
MPS	100%	90%
PTU	100%	90%
SBR	100%	95%
Air Blower	100%	85%
CCT	100%	95%
Chlorination Room	100%	95%
Supernatant Sump	100%	95%
Sludge Thickener	100%	95%
Centrifuge Building	100%	85%
Effluent Disposal System	100%	95%
Admin Building	100%	85%
Staff Quarter	100%	85%
Guard Room	100%	85%
Transformer Yard	100%	95%
DG Set	100%	50%
Boundary Wall	100%	85%

- STP site units not functional due to pending installation of E&M items - sludge thickener, centrifuge, superintendent, chlorination system, etc. KRMPL taking sewage from Thermal Nala A to MPS, PTU, SBR Basin 1 and 2 and discharging through CCT by effluent channel to River Pandu;
- Supply of following E&M Equipments still pending:
- Chlorination System (partially received)
 - SCADA & PLC pending delivery;
 - All Instrumentation at 3rd party inspection

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

Table 6.1: Milestone wise Progress – 30 MLD Pankha STP

Sl. No.	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
1	SBR Basin Area					0%	-				-
	CIVIL WORK					0%	-				-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	RCC Foundation/Raft		-		-	0%	-		-		-
	Wall 50% of total lift work		-		-	0%	-		-		-
	Walls (balance 50% of Total Lift work)		-		-	0%	-		-		-
	Baffle Walls work		-		-	0%	-		-		-
	Walkway/Platform	20%	24,15,095	5%	6,59,173	5%	6,59,405		-		-
	Finishing Work	30%	43,78,800	40%	58,38,400	35%	51,08,600	30%	43,78,800		-
	MECHANICAL WORK		-		-	0%	-		-		-
	A. DECANTERS		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site	100%	313,59,900		-	0%	-		-		-
	(ii) On completion of erection works		-	50%	18,44,700	50%	18,44,700	50%	18,44,700		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	18,44,700		-
	B. DIFFUSERS		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-		-		-
	(ii) On completion of erection works		-	50%	12,29,800	50%	12,29,800	50%	12,29,800		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	12,29,800		-
	C. RAS & SAS PUMPS		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-		-		-
	(ii) On completion of erection works	50%	12,29,800	50%	12,29,800	50%	12,29,800		-		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	12,29,800		-
	D. PIPES & FITTINGS		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site	100%	104,53,300		-	0%	-		-		-
	(ii) On completion of erection works	75%	9,22,350	25%	3,07,450	5%	61,490		-		-
	(iii) On completion of Testing of equipment	20%	1,22,980		-	0%	-	80%	4,91,920		-
2	Chlorine Contact Tank Area					0%	-				-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	RCC Foundation/Raft		-		-	0%	-		-		-
	Wall 50% of total lift work		-		-	0%	-		-		-
	Walls (balance 50% of Total Lift work)		-		-	0%	-		-		-
	Baffle Walls work	2%	73,788		-	0%	-		-		-
	Finishing Work		-	80%	22,13,640	80%	22,13,640	20%	5,53,410		-
3	Chlorination House Area					0%	-				-
	CIVIL WORK		-		-	0%	-		-		-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	RCC Foundation/Column footing		-		-	0%	-		-		-
	Column & Beam		-		-	0%	-		-		-
	Ground floor Slab		-		-	0%	-		-		-
	Column & Beam		-		-	0%	-		-		-
	Roof Slab		-		-	0%	-		-		-
	Brickwork & Plaster	70%	12,91,290		-	0%	-		-		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	Finishing Work		-	100%	18,44,700	80%	14,75,760		-		-
	MECHANICAL WORK		-		-	0%	-		-		-
	A. CHLORINATION SYSTEM		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-	100%	31,35,990	90%	28,22,391		-		-
	(ii) On completion of erection works		-	100%	3,68,940	0%	-		-		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	1,84,470		-
	B. HOIST WORKS		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-		-		-
	(ii) On completion of erection works		-	100%	92,235	0%	-		-		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	46,118		-
	ELECTRICAL & INSTRUMENTATION WORK		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-	100%	15,67,995	50%	7,83,998		-		-
	(ii) On completion of erection works		-		-	0%	-	100%	1,84,470		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	92,235		-
4	Sludge Thickener Area					0%	-				-
	CIVIL WORK		-		-	0%	-		-		-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	RCC Foundation wall/base slab		-		-	0%	-		-		-
	Wall 50% of total lift work		-		-	0%	-		-		-
	Walls (balance 50% of Total Lift work)		-		-	0%	-		-		-
	Finishing Work	40%	7,37,880	10%	1,84,470	0%	-		-		-
	MECHANICAL WORK		-		-	0%	-		-		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	SLUDGE THICKENER MECHANISM		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site	100%	47,03,985		-	0%	-		-		-
	(ii) On completion of erection works	100%	5,53,410		-	0%	-		-		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100 %	2,76,705		-
5	Inlet / Stilling Chamber Area					0%	-				-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	RCC Foundation/Column footing		-		-	0%	-		-		-
	Column & Beam		-		-	0%	-		-		-
	RCC Slab		-		-	0%	-		-		-
	RCC Wall	50%	6,14,900		-	0%	-		-		-
	Final finishing including Staircases,Railing,Shade,Painting, etc.	50%	6,14,900	50%	6,14,900	40%	4,91,920		-		-
6	Manual & Mechanical Fine Bar Screen Chamber Area					0%	-				-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	RCC Foundation		-		-	0%	-		-		-
	Column & Beam		-		-	0%	-		-		-
	RCC Slab		-		-	0%	-		-		-
	RCC Wall		-		-	0%	-		-		-
	Walkway/Platform	84%	10,33,635		-	0%	-		-		-
	Finishing Work	20%	2,45,960	80%	9,83,840	70%	8,60,860		-		-
7	Grit Chamber (Mechanical Cleaned) & (Manually Cleaned)					0%	-				-
	Site Clearance		-		-	0%	-		-		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	RCC Foundation		-		-	0%	-		-		-
	Column & Beam		-		-	0%	-		-		-
	RCC Slab	5%	61,490		-	0%	-		-		-
	RCC Wall		-	10%	1,22,980	10%	1,22,980		-		-
	Walkway/Platform	20%	2,45,960	30%	3,68,940	30%	3,68,940		-		-
	Finishing Work		-	90%	11,06,820	90%	11,06,820	10%	1,22,980		-
	MECHANICAL WORK		-		-	0%	-		-		-
	A.MECHANICAL FINE SCREEN		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-		-		-
	(ii) On completion of erection works	100%	2,45,960		-	0%	-		-		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	1,22,980		-
	B.MANUAL FINE SCREEN		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-		-		-
	(ii) On completion of erection works	100%	3,68,940		-	0%	-		-		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	1,84,470		-
	C.GATES		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-	100%	20,90,660	100%	20,90,660		-		-
	(ii) On completion of erection works		-	100%	2,45,960	100%	2,45,960		-		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	1,22,980		-
	D.CONVEYOR BELTS		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-		-		-
	(ii) On completion of erection works		-		-	0%	-	100%	2,45,960		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	1,22,980		-
	E. GRIT MECHANISM		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-		-		-
	(ii) On completion of erection works		-		-	0%	-	100%	6,14,900		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	3,07,450		-
			-		-	0%	-		-		-
8	Flow Measurement Channel Area					0%	-				-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	RCC Foundation		-		-	0%	-		-		-
	Column & Beam	10%	1,84,470		-	0%	-		-		-
	RCC Slab		-		-	0%	-		-		-
	RCC Wall	10%	2,45,960		-	0%	-		-		-
	Walkway/Platform	10%	1,22,980		-	0%	-		-		-
	Finishing Work	20%	4,91,920	80%	19,67,680	70%	17,21,720		-		-
9	Admin Bldg Area					0%	-				-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	Column footings/Foundation		-		-	0%	-		-		-
	Column & Beam		-		-	0%	-		-		-
	Ground Floor Slab	50%	9,22,350		-	0%	-		-		-
	1st Floor Slab	100%	18,44,700		-	0%	-		-		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	Roof Slab	100%	18,44,700		-	0%	-		-		-
	Brickwork & Plaster	48%	13,28,184	52%	14,38,866	44%	12,17,502		-		-
	Finishing Work		-	70%	12,91,290	60%	11,06,820	30%	5,53,410		-
	ELECTRICAL WORK		-		-	0%	-		-		-
	LT/HT PANEL		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site	50%	36,92,995		-	0%	-		-		-
	(ii) On completion of erection works		-	100%	13,03,410	80%	10,42,728		-		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	4,34,470		-
	PLC/SCADA SYSTEM		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-	100%	73,85,990		-
	(ii) On completion of erection works		-		-	0%	-	100%	13,03,410		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	4,34,470		-
			-		-	0%	-		-		-
10	Air Blower Room Area					0%	-				-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	Column footings/Foundation		-		-	0%	-		-		-
	Column & Beam		-		-	0%	-		-		-
	RCC Ground Floor Slab		-	100%	15,37,250	100%	15,37,250		-		-
	RCC Roof Slab	100%	15,37,250		-	0%	-		-		-
	Brickwork & Plaster	23%	3,53,568	77%	11,83,683	77%	11,83,683		-		-
	Finishing Work		-	100%	15,37,250	80%	12,29,800		-		-
	MECHANICAL WORK		-		-	0%	-		-		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	AIR BLOWER(PUMP)		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-	30%	11,75,996	30%	11,75,996	70%	27,43,991	70%	27,43,991
	(ii) On completion of erection works		-	30%	1,38,353	30%	1,38,353	70%	3,22,823	20%	92,235
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	2,30,588		-
	ELECTRICAL WORK		-		-	0%	-		-		-
	AIR BLOWER(MOTOR)		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-	30%	15,67,995	30%	15,67,995	70%	36,58,655	70%	36,58,655
	(ii) On completion of erection works		-	30%	1,84,470	30%	1,84,470	70%	4,30,430	20%	1,22,980
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	3,07,450		-
11	Staff Quarter Area					0%	-				-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	RCC Foundation/column footing		-		-	0%	-		-		-
	Column & Beam		-		-	0%	-		-		-
	RCC Ground Floor Slab	100%	12,91,290		-	0%	-		-		-
	RCC Roof Slab	100%	8,60,860		-	0%	-		-		-
	Brickwork & Plaster	50%	4,30,430	50%	4,30,430	50%	4,30,430		-		-
	Electrical work		-	100%	12,91,290	100%	12,91,290		-		-
	Finishing Work		-	100%	8,60,860	80%	6,88,688		-		-
12	Guard Room Area					0%	-				-
	Site Clearance		-		-	0%	-		-		-
	Excavation	100%	1,47,576		-	0%	-		-		-
	PCC	100%	2,21,364		-	0%	-		-		-
	RCC Foundation/column footing	100%	5,53,410		-	0%	-		-		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	Column & Beam	100%	5,53,410		-	0%	-		-		-
	RCC Ground Floor Slab	100%	5,53,410		-	0%	-		-		-
	RCC Roof Slab		-	100%	3,68,940	100%	3,68,940		-		-
	Brickwork & Plaster		-	100%	3,68,940	100%	3,68,940		-		-
	Electrical work		-	100%	5,53,410	100%	5,53,410		-		-
	Finishing Work		-	100%	3,68,940	80%	2,95,152		-		-
13	Sludge Dewatering System Area (Centrifuge Pump House, Sludge sump & Poly dosing tank)					0%	-				-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	RCC Foundation		-		-	0%	-		-		-
	1st Column & Beam		-		-	0%	-		-		-
	Ground Floor Slab	100%	30,74,500		-	0%	-		-		-
	2nd Column & Beam	10%	3,07,450	50%	15,37,250	50%	15,37,250		-		-
	RCC Roof Slab		-	100%	30,74,500	100%	30,74,500		-		-
	Brickwork & Plaster		-	100%	30,74,500	100%	30,74,500		-		-
	Finishing Work		-	50%	15,37,250	20%	6,14,900	50%	15,37,250		-
	MECHANICAL WORK		-		-	0%	-		-		-
	CENTRIFUGE UNIT		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-		-		-
	(ii) On completion of erection works		-		-	0%	-	100%	4,61,175		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	2,30,588		-
	CENTRIFUGE FEED PUMP		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-		-		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	(ii) On completion of erection works		-		-	0%	-	100 %	3,07,450		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100 %	1,53,725		-
	POLY DOSING PUMPS		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site	100%	13,06,663		-	0%	-		-		-
	(ii) On completion of erection works		-		-	0%	-	100 %	1,53,725		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100 %	76,863		-
14	Supernatant Recirculation Sump Area					0%	-				-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	RCC Foundation wall/base slab		-		-	0%	-		-		-
	Wall 50% of total lift work		-		-	0%	-		-		-
	Walls (balance 50% of Total Lift work)		-		-	0%	-		-		-
	Final finishing including Staircases,Railing,Shade,Painting etc.		-	40%	7,37,880	30%	5,53,410	10%	1,84,470		-
	MECHANICAL WORK		-		-	0%	-		-		-
	PUMPING SYSTEM		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-		-		-
	(ii) On completion of erection works	50%	3,22,823	50%	3,22,823	50%	3,22,823		-		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100 %	3,22,823		-
			-		-	0%	-		-		-
15	Transformer Yard Area					0%	-				-
	Site Clearance		-		-	0%	-		-		-
	Excavation & PCC		-		-	0%	-		-		-
	Foundation Work		-		-	0%	-		-		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	Finishing Work	50%	3,68,940	50%	3,68,940	40%	2,95,152		-		-
	ELECTRICAL WORK		-		-	0%	-		-		-
	TRANSFORMER		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-		-		-
	(ii) On completion of erection works	80%	2,95,152	20%	73,788	20%	73,788		-		-
	(iii) On completion of Testing of equipment		-	100%	1,84,470	100%	1,84,470		-		-
	CABLE & CABLE TRAY		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site	100%	30,31,457		-	0%	-		-		-
	(ii) On completion of erection works	100%	3,56,642		-	0%	-		-		-
	(iii) On completion of Testing of equipment		-	100%	1,78,321	100%	1,78,321		-		-
16	DG Area					0%	-				-
	Site Clearance		-		-	0%	-		-		-
	Excavation & PCC		-	100%	5,53,410	100%	5,53,410		-		-
	Foundation Work		-	100%	8,30,115	100%	8,30,115		-		-
	Finishing Work		-	50%	2,76,705	0%	-	50%	2,76,705		-
	ELECTRICAL WORK		-		-	0%	-		-		-
	DG SET		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-	100%	32,92,790	100%	32,92,790		-		-
	(ii) On completion of erection works		-		-	0%	-	100%	3,87,387		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	1,93,694		-
	CABLE & CABLE TRAY		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site	100%	16,46,395		-	0%	-		-		-
	(ii) On completion of erection works		-		-	0%	-	100%	1,93,694		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	96,847		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
17	Sludge Storage Platform					0%	-				-
	Site Clearance		-		-	0%	-		-		-
	Excavation & PCC		-	100%	3,00,000	100%	3,00,000		-		-
	Foundation Work		-	100%	4,00,000	0%	-		-		-
	Finishing work		-		-	0%	-	100%	1,00,000		-
18	EXTERNAL DEVELOPMENT					0%	-				-
A.	Roads, Storm Water Drain & Miscellaneous work	9%	11,38,649	61%	76,81,351	41%	51,60,960	30%	37,80,000		-
B.	Compound Wall with Gate		-		-	0%	-		-		-
	Excavation & PCC		-		-	0%	-		-		-
	RCC Column footing		-		-	0%	-		-		-
	RCC Column & Beam		-		-	0%	-		-		-
	Brickwork & Plaster		-	10%	6,14,900	5%	3,07,450		-		-
	Finishing Work	30%	18,44,700	30%	18,44,700	10%	6,14,900		-		-
19	MPS-2 (115MLD)					0%	-				-
	CIVIL		-		-	0%	-		-		-
A	Construction of Raw Sewage Sump		-		-	0%	-		-		-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	RCC Foundation/Raft		-		-	0%	-		-		-
	Wall 50% of total lift work		-		-	0%	-		-		-
	Column & Beam	43%	16,49,162		-	0%	-		-		-
	Walls (balance 50% of Total Lift work)	20%	7,67,052		-	0%	-		-		-
	Ground Floor Slab		-	100%	38,35,260	100%	38,35,260		-		-
	Finishing Work		-	100%	25,56,840	100%	25,56,840		-		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
B	Construction of Inlet Chamber & Screen Channel		-		-	0%	-		-		-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	RCC Foundation/Raft		-		-	0%	-		-		-
	Wall 50% of total lift work		-		-	0%	-		-		-
	Walls (balance 50% of Total Lift work)	3%	51,137		-	0%	-		-		-
	Walkway/Platform	100%	17,04,560		-	0%	-		-		-
C	Construction of Raw Sewage Pump House		-		-	0%	-		-		-
	Column & Beam	40%	6,39,210	60%	9,58,815	60%	9,58,815		-		-
	Roof Slab		-	100%	15,98,025	100%	15,98,025		-		-
	Brickwork & Plaster	10%	1,59,803	70%	11,18,618	70%	11,18,618	20%	3,19,605	5%	79,901
	Finishing Work		-		-		-	100%	15,98,025	30%	4,79,408
D	MECHANICAL WORK		-		-	0%	-		-		-
	Coarse Screen mechanical & manual		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site	75%	33,95,803		-	0%	-		-		-
	(ii) On completion of erection works		-	100%	5,32,675	100%	5,32,675		-		-
	(iii) On completion of Testing of equipment		-	100%	2,66,338	100%	2,66,338		-		-
	Piping & Support work		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site	25%	11,31,934		-	0%	-		-		-
	(ii) On completion of erection works	75%	3,99,506	25%	1,33,169	25%	1,33,169		-		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	2,66,338		-
	Gate Work		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-	100%	63,38,833	100%	63,38,833		-		-
	(ii) On completion of erection works		-	100%	7,45,745	100%	7,45,745		-		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	3,72,873		-
	Pumps		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-		-		-
	(ii) On completion of erection works		-	100%	11,71,885	100%	11,71,885		-		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	5,85,943		-
20	ICI Nala IPS					0%	-				-
	CIVIL		-		-	0%	-		-		-
A	Construction of Raw Sewage Sump		-		-	0%	-		-		-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	RCC Foundation/Raft		-		-	0%	-		-		-
	Wall 50% of total lift work		-		-	0%	-		-		-
	Column & Beam		-		-		-	60%	15,33,600	5%	1,27,800
	Walls (balance 50% of Total Lift work)		-		-	0%	-		-		-
	Ground Floor Slab		-		-		-	100%	25,56,000	100%	25,56,000
	Finishing Work		-		-	0%	-	100%	12,78,000		-
B	Construction of Inlet Chamber & Screen Channel		-		-	0%	-		-		-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	RCC Foundation/Raft		-		-	0%	-		-		-
	Wall 50% of total lift work		-		-	0%	-		-		-
	Walls (balance 50% of Total Lift work)		-		-	0%	-		-		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	Walkway/Platform		-	100%	4,26,000	100%	4,26,000		-		-
	Finishing work		-		-	0%	-	100%	4,26,000		-
C	Construction of Raw Sewage Pump House		-		-	0%	-		-		-
	Column & Beam		-		-	0%	-	100%	7,99,013		-
	Roof Slab		-		-	0%	-	100%	7,99,013		-
	Brickwork & Plaster		-		-	0%	-	100%	7,99,013		-
	Finishing Work		-		-	0%	-	100%	7,99,013		-
D	Construction of Office Room		-		-	0%	-		-		-
	Site Clearance		-		-	0%	-		-		-
	Excavation & PCC		-		-	0%	-		-		-
	RCC Foundation/column footing		-	100%	6,39,000	100%	6,39,000		-		-
	Column & Beam		-	60%	1,27,800	60%	1,27,800	40%	85,200	15%	31,950
	RCC Ground floor Slab		-		-	0%	-	100%	2,13,000		-
	RCC Roof Slab		-		-	0%	-	100%	2,13,000		-
	Brick work & Plaster		-		-	0%	-	100%	2,13,000		-
	Electrification, plumbing, fixtures		-		-	0%	-	100%	2,13,000		-
	Finishing work		-		-	0%	-	100%	2,13,000		-
E	Construction of Guard Room		-		-	0%	-		-		-
	Site Clearance		-		-	0%	-		-		-
	Excavation & PCC		-		-	0%	-		-		-
	RCC Foundation/column footing		-		-		-	100%	6,39,000	100%	6,39,000
	Column & Beam		-		-		-	100%	2,13,000	20%	42,600

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	RCC Ground floor Slab		-		-	0%	-	100%	2,13,000		-
	RCC Roof Slab		-		-	0%	-	100%	2,13,000		-
	Brick work & Plaster		-		-	0%	-	100%	2,13,000		-
	Electrification, plumbing, fixtures		-		-	0%	-	100%	2,13,000		-
	Finishing work		-		-	0%	-	100%	2,13,000		-
F	Transformer Yard,DG Yard		-		-	0%	-	100%	-		-
	Site Clearance		-		-	0%	-		-		-
	Excavation & PCC		-		-	0%	-	100%	6,39,210		-
	Foundation Work		-		-	0%	-	100%	15,98,025		-
	Finishing Work		-		-	0%	-	100%	9,58,815		-
G	MECHANICAL WORK		-		-	0%	-		-		-
	Piping & Support work		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-	70%	6,33,883	70%	6,33,883		-		-
	(ii) On completion of erection works		-		-	0%	-	100%	1,06,535		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	53,268		-
	Screen Channel		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site	100%	28,97,752		-	0%	-		-		-
	(ii) On completion of erection works		-		-	0%	-	100%	3,40,912		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	1,70,456		-
	Pumps		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site	100%	28,97,752		-	0%	-		-		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	(ii) On completion of erection works		-		-	0%	-	100 %	3,40,912		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100 %	1,70,456		-
H	ELECTRICAL WORK		-		-	0%	-		-		-
	Cable Tray & Earthing Work		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site	50%	5,43,329		-	0%	-	50%	5,43,329		-
	(ii) On completion of erection works		-		-	0%	-	100 %	1,27,842		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100 %	63,921		-
	Transformer		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-	100 %	28,97,752		-
	(ii) On completion of erection works		-		-	0%	-	100 %	3,40,912		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100 %	1,70,456		-
	DG		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-	100 %	19,92,205		-
	(ii) On completion of erection works		-		-	0%	-	100 %	2,34,377		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100 %	1,17,189		-
I	Construction of Boundary wall & Internal Road		-		-	0%	-		-		-
	Site Clearance		-		-	0%	-		-		-
	Excavation & PCC		-	10%	31,961	10%	31,961	20%	63,921		-
	RCC Column footing		-	2%	8,523	2%	8,523	30%	1,27,842	30%	1,27,842
	RCC Column & Beam		-	2%	6,392	2%	6,392	30%	95,882		-
	Brickwork & Plaster		-		-	0%	-	55%	1,75,783		-
	Finishing		-		-	0%	-	100 %	3,19,605		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	Construction of Internal road		-		-	0%	-	100 %	4,26,140		-
21	IPS-6 (Sundar Nagar- 20 MLD)-Pankha Area					0%	-				-
	CIVIL		-		-	0%	-		-		-
A	Construction of Raw Sewage Sump		-		-	0%	-		-		-
	Site Clearance		-		-	0%	-		-		-
	Excavation		-		-	0%	-		-		-
	PCC		-		-	0%	-		-		-
	RCC Foundation/Raft		-		-	0%	-		-		-
	Wall 50% of total lift work		-		-	0%	-		-		-
	Column & Beam		-		-	0%	-	60%	15,33,600		-
	Walls (balance 50% of Total Lift work)	55%	14,05,800		-	0%	-		-		-
	Ground Floor Slab		-		-	0%	-	100 %	25,56,000		-
	Finishing Work		-		-	0%	-	100 %	12,78,000		-
B	Construction of Inlet Chamber & Screen Channel		-		-	0%	-		-		-
	Site Clearance		-		-	0%	-		-		-
	Excavation & PCC		-		-	0%	-		-		-
	RCC Foundation/Raft		-		-	0%	-		-		-
	Wall 50% of total lift work		-		-	0%	-		-		-
	Walls (balance 50% of Total Lift work)	70%	2,98,200		-	0%	-		-		-
	Walkway/Platform		-		-	0%	-	100 %	2,13,000		-
	Finishing work		-		-	0%	-	100 %	2,13,000		-
C	Construction of Raw Sewage Pump House		-		-	0%	-		-		-
	Column & Beam		-		-	0%	-	100 %	7,99,013		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	Roof Slab		-		-	0%	-	100 %	7,99,013		-
	Brickwork & Plaster		-		-	0%	-	100 %	7,99,013		-
	Finishing Work		-		-	0%	-	100 %	7,99,013		-
D	Construction of Office Room		-		-	0%	-		-		-
	Site Clearance		-		-	0%	-		-		-
	Excavation & PCC		-		-	0%	-		-		-
	RCC Foundation/column footing		-		-	0%	-	100 %	6,39,000		-
	Column & Beam		-		-	0%	-	100 %	2,13,000		-
	RCC Ground floor Slab		-		-	0%	-	100 %	2,13,000		-
	RCC Roof Slab		-		-	0%	-	100 %	2,13,000		-
	Brick work & Plaster		-		-	0%	-	100 %	2,13,000		-
	Electrification, plumbing, fixtures		-		-	0%	-	100 %	2,13,000		-
	Finishing work		-		-	0%	-	100 %	2,13,000		-
E	Construction of Guard Room		-		-	0%	-		-		-
	Site Clearance		-		-	0%	-		-		-
	Excavation & PCC		-		-	0%	-		-		-
	RCC Foundation/column footing		-		-	0%	-		-		-
	Column & Beam		-		-	0%	-	50%	1,06,500		-
	RCC Ground floor Slab		-		-	0%	-	100 %	2,13,000		-
	RCC Roof Slab		-		-	0%	-	100 %	2,13,000		-
	Brick work & Plaster		-		-	0%	-	100 %	2,13,000		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	Electrification, plumbing, fixtures		-		-	0%	-	100%	2,13,000		-
	Finishing work		-		-	0%	-	100%	2,13,000		-
F	Transformer Yard,DG Yard		-		-	0%	-		-		-
	Site Clearance		-		-	0%	-	100%	-		-
	Excavation & PCC		-		-	0%	-	100%	6,39,210		-
	Foundation Work		-		-	0%	-	100%	15,98,025		-
	Finishing Work		-		-	0%	-	100%	9,58,815		-
G	MECHANICAL WORK		-		-	0%	-		-		-
	Piping & Support work		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-	75%	8,14,993	75%	8,14,993		-		-
	(ii) On completion of erection works		-		-	0%	-	100%	1,27,842		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	63,921		-
	Screen Channel		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site	100%	28,97,752		-	0%	-		-		-
	(ii) On completion of erection works		-		-	0%	-	100%	3,40,912		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	1,70,456		-
	Pumps		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site	100%	28,97,752		-	0%	-		-		-
	(ii) On completion of erection works		-		-	0%	-	100%	3,40,912		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	1,70,456		-
H	ELECTRICAL WORK		-		-	0%	-		-		-
	Cable Tray & Earthing Work		-		-	0%	-		-		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	(i) On supply of machinery/equipment at site	50%	9,96,102		-	0%	-	50%	9,96,102		-
	(ii) On completion of erection works		-		-	0%	-	100%	2,34,377		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	1,17,189		-
	Transformer		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-	100%	28,97,752		-
	(ii) On completion of erection works		-		-	0%	-	100%	3,40,912		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	1,70,456		-
	DG		-		-	0%	-		-		-
	(i) On supply of machinery/equipment at site		-		-	0%	-	100%	19,92,205		-
	(ii) On completion of erection works		-		-	0%	-	100%	2,34,377		-
	(iii) On completion of Testing of equipment		-		-	0%	-	100%	1,17,189		-
I	Construction of Boundary wall & Internal Road		-		-	0%	-		-		-
	Site Clearance		-		-	0%	-		-		-
	Excavation & PCC		-		-	0%	-	100%	3,19,605		-
	RCC Column footing		-		-	0%	-	100%	4,26,140		-
	RCC Column & Beam		-		-	0%	-	100%	3,19,605		-
	Brickwork & Plaster		-		-	0%	-	100%	3,19,605		-
	Construction of Internal road		-		-	0%	-	100%	4,26,140		-
	Finishing		-		-	0%	-	100%	3,19,605		-
22	I&D Works					0%	-				-
A	ICI Nala		-		-	0%	-		-		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	Construction Work		-		-	0%	-		-		-
	Tapping of Nallahs		-		-	0%	-	100%	11,12,000		-
	Electro-Mechanical work		-	60%	10,00,800	60%	10,00,800	40%	6,67,200	20%	3,33,600
	Testing		-		-	0%	-	100%	5,56,000		-
B	Thermal Nala -A		-		-	0%	-		-		-
	Construction Work	17%	3,78,080		-	0%	-		-		-
	Tapping of Nallahs	60%	6,67,200	40%	4,44,800	40%	4,44,800		-		-
	Electro-Mechanical work		-	100%	16,68,000	100%	16,68,000		-		-
	Testing		-	100%	5,56,000	100%	5,56,000		-		-
C	Thermal Nala -B		-		-	0%	-		-		-
	Construction Work		-	31%	6,89,440	0%	-	50%	11,12,000		-
	Tapping of Nallahs		-		-	0%	-	100%	11,12,000		-
	Electro-Mechanical work		-	40%	6,67,200	40%	6,67,200	60%	10,00,800	40%	6,67,200
	Testing		-		-	0%	-	100%	5,56,000		-
23	Rising Main Works					0%	-				-
A	ICI Nala Area		-		-	0%	-		-		-
	Site Cleance from Client		-		-	0%	-		-		-
	Supply of Pipes		-	11%	5,73,995	5%	2,55,000	14%	7,23,690		-
	Excavation,Laying & backfilling of Pipes		-		-	0%	-	40%	2,40,000		-
	Testing		-		-	0%	-	100%	3,00,000		-
B	Sundar Nagar IPS Area		-		-	0%	-		-		-
	Site Cleance from Client		-		-	0%	-		-		-
	Supply of Pipes		-		-	0%	-		-		-
	Excavation,Laying & backfilling of Pipes		-		-	0%	-	40%	2,40,000		-

Sl. No	Description of Items	Milestone-6 (From 07th September'21 to 06th December'21)		Milestone-7 (From 07th December'21 to 25th Mar'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Mar'22 to 25th Apr'22)		Achieved for 8th Milestone	
		%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)	%	Amount(Rs.)
	Testing		-		-	0%	-	100%	3,00,000		-
24	Sewer System Area (RCC Pipes-NP3 Types)					0%	0.00%				-
	Site Clearance						-				-
	Supply of pipes	1%	8,02,271	8%	128,32,363	7%	112,31,799		-		-
	Excavation and Laying of pipes including bed preparation & backfilling	27%	27,53,058	7%	7,01,987	5%	5,01,420	16%	16,04,543		-
	Manholes	12%	11,58,015	12%	12,10,248	12%	12,03,407	36%	36,49,004	11%	11,03,123
	Testing		-		-		-	100%	100,28,392	20%	20,05,678
	Road Restoration work		-	35%	35,47,990	35%	35,09,937	65%	64,80,402	4%	4,01,136
25	Design ,Supply,Testing & Commissioning of Sewer line (crossing National Highway-2 & Railway Track)					0%	0.0%				-
	Statutory approvals from Railway & Road dept						-				-
	Supply of Carrier & Casing Pipes		-	13%	14,62,284	13%	14,62,284		-		-
	Construction of Pit		-	35%	3,28,076	35%	3,28,076		-		-
	Excavation & Laying of Pipes thru Jack push method		-	50%	28,12,084	50%	28,12,084		-		-
	Testing		-	23%	2,15,593	23%	2,15,593	50%	4,68,681		-
26	Design ,Supply,Testing & Commissioning of Treated Effluent line from STP to River Pandu					0%	-				-
	Site Clearance		-		-	0%	-		-		-
	Construction of Effluent line from STP to River Pandu	25%	18,00,000	40%	28,80,000	40%	28,80,000		-		-
	Testing		-	100%	8,00,000	100%	8,00,000		-		-
	TRIAL RUN & COMMISSIONING				-						
	Trial Run & Commissioning				-						
	Total Amount		1248,39,750		1248,39,750		1112,70,780		1248,39,750		152,13,099

PHOTOGRAPHS OF PANKHA STP SITE



ICI Nala Slab work



PTU works



MPS final works



Sludge Thickener



SBR

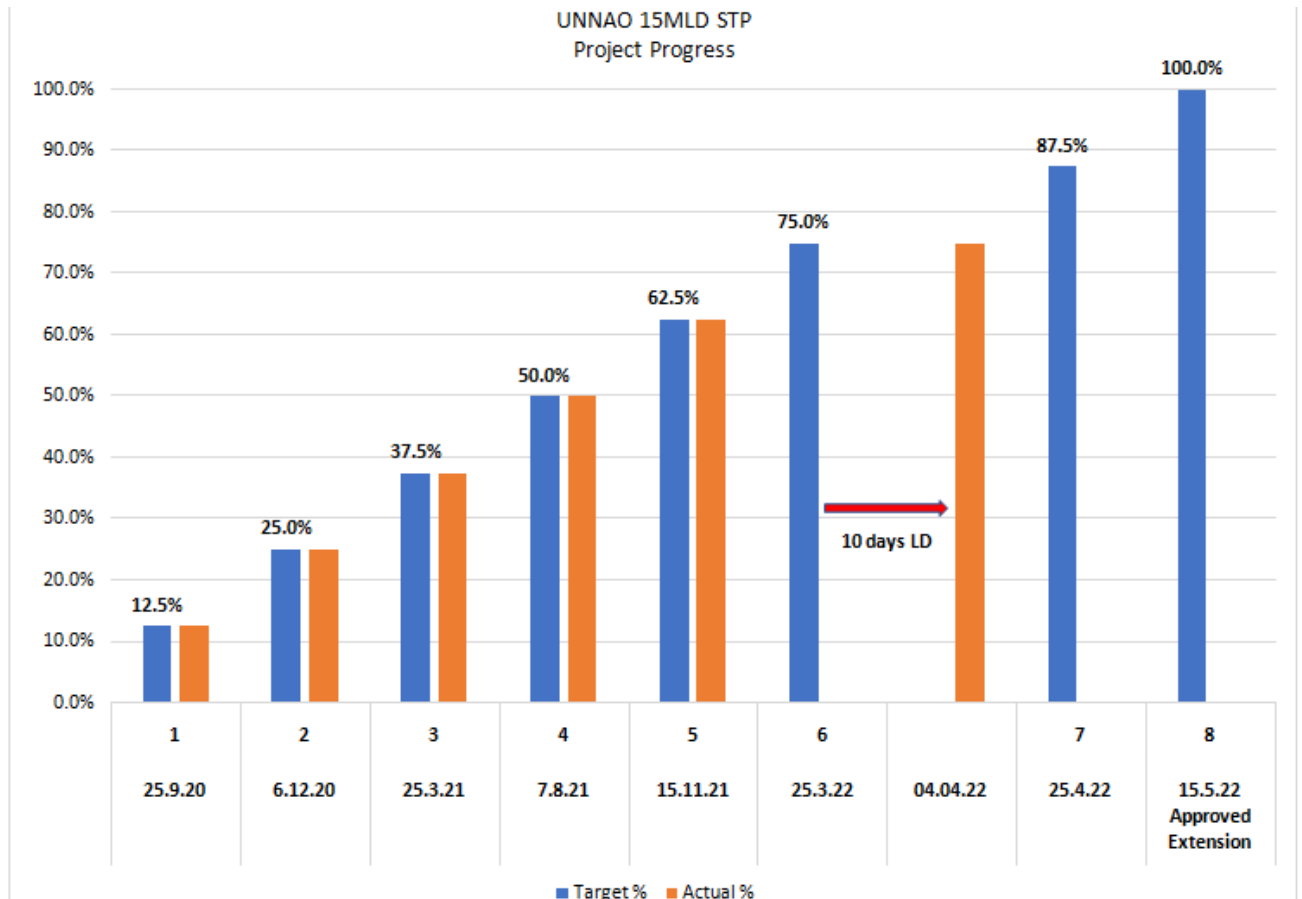


Chlorination Building

6.2 MILESTONE WISE ACTIVITIES AND PROGRESS: UNNAO STP

The progress of works related to the 15 MLD STP at Unnao is very slow. As per direction given in the NMCG meeting dated 17.02.2022, time extension has been given to KRMPL. Now KRMPL needs to complete the plant by 15.05.2022. Status and progress of Pankha STP is as following:

- Total progress till March 2022 was only 71%. Manpower deployed at the 15 MLD STP Unnao site was in the range of 100-120 nos. KRMPL need to increase the manpower up to 250 as directed during NMCG meetings on dated 17.02.2022, 30.12.2021, 17.11.2021 and 28.09.2021;



- At Unnao plant most of the Civil structures are 90% ready. With E&M erection and installation, plant could be completed for operation by 25.04.2022. Only STP campus backfilling permission from DM office is pending. UPJN is pursuing the matter for early permission.
- It was noticed by PE and UPJN that at STP progress work in night shift is not started by the Concessionaire yet. In the NMCG meeting dated 30.12.2021, the Concessionaire was directed to submit night shift work plan with separate set of workers from day time for which the Concessionaire agreed;
- Supply of following E&M Equipments still pending:
 - Air Blower and hoist;
 - Chlorination System (50%) and Chlorine neutralization tank;
 - Admin Building - PMCC work (50%) and PLC/SCADA

➤ Status of progress of different STP units till March 2022 are as following:

STP Units	Target %	Achieved %
I&D structure	100%	70%
Sewer Laying (3 km of 3.2 km)	100%	90%
Manholes (06 completed of 46)	100%	10%
MPS	100%	90%
PTU	100%	65%
SBR	100%	90%
Air Blower	100%	90%
CCT	100%	95%
Chlorination Room	100%	95%
Supernatant Sump	100%	95%
Sludge Thickener	100%	95%
Centrifuge Building	100%	90%
Effluent Disposal System	100%	90%
Admin Building	100%	90%
Staff Quarter	100%	90%
Guard Room	100%	90%
Transformer Yard	100%	90%
DG Set	100%	90%
Boundary Wall	100%	90%

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

TABLE 6.2: MILESTONE WISE PROGRESS – 15 MLD UNNAO STP

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
i)	SBR Basin Area												
1	Site Clearance				-				-		-		-
2	Excavation wall footing				-				-		-		-
3	PCC wall footing				-				-		-		-
4	RCC Foundation/Raft of wall				-				-		-		-
5	Wall 50% of total upto base slab				-				-		-		-
6	Walls (balance 50% of upto base slab)				-				-		-		-
7	PCC Base Slab				-				-		-		-
8	RCC Foundation base slab		-		-				0.0%		-		-
9	Wall 50% of total lift work		-		-		-		-		-		-
40	Walls (balance 50% of Total Lift work)	25%	6,86,534.40	15%	4,11,920.64		-		-		-		-
11	Walkway/Platform	70%	19,22,296.32	70%	19,22,296.32	30%	8,23,841.28		-		-		-
12	Piping & fitting works	50%	10,98,455.04		-	50%	10,98,455.04		-		-		-
13	Testing /Finishing works		-		-	100%	36,80,000.00		-		-		-
ii	Sludge Thickener Area		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
2	Excavation		-		-		-		-		-		-
3	PCC		-		-		-		-		-		-
4	RCC Foundation Wall/base slab		-		-		-		-		-		-
5	Wall 50% of total lift work		-		-		-		-		-		-
6	Walls (balance 50% of Total Lift work)		-		-		-		-		-		-
7	Testing /Finishing works	60%	1,84,800.00	60%	1,84,800.00	15%	46,200.00	15%	46,200.00		-		-
iii	Supernatant Sump Area		0	0%	0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
2	Excavation		-		-		-		-		-		-
3	PCC		-		-		-		-		-		-
4	RCC Foundation wall/base slab		-		-		-		-		-		-
5	Wall 50% of total lift work		-		-		-		-		-		-
6	Walls (balance 50% of Total Lift work)		-		-		-		-		-		-
7	Testing /Finishing works	50%	42,900.00	25%	21,450.00	25%	21,450.00		-		-		-
iv	Chlorination Tank Area		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
2	Excavation		-		-		-		-		-		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
3	PCC		-		-		-		-		-		-
4	RCC Foundation/Raft		-		-		-		-		-		-
5	Wall 50% of total lift work		-		-		-		-		-		-
6	Walls (balance 50% of Total Lift work)		-		-		-		-		-		-
7	Baffle Walls work		-		-		-		-		-		-
8	Testing /Finishing works		-		-	100%	4,57,000.00		-		-		-
v	Air Blower Room Area		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
2	Excavation		-		-		-		-		-		-
3	PCC		-		-		-		-		-		-
4	RCC Foundation/column footing		-		-		-		-		-		-
5	Column & Beam		-		-		-		-		-		-
6	RCC Roof Slab	100%	8,29,801.60	100%	8,29,801.60		-		-		-		-
7	Cable Trench Work		-		-		-		-		-		-
8	RCC Ground floor Grade Slab		-		-		-		-		-		-
9	Brick work	70%	4,37,617.60	70%	4,37,617.60	30%	1,87,550.40	30%	1,87,550.40		-		-
10	Plaster		-		-	100%	1,71,633.60	100%	1,71,633.60		-		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
11	Testing/Finishing work		-		-	100%	5,83,000.00	30%	1,74,900.00		-		-
vi	Staff Quarter Area (G+1)		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
2	Excavation		-		-		-		-		-		-
3	PCC		-		-		-		-		-		-
4	RCC Foundation/column footing		-		-		-		-		-		-
5	Column & Beam		-		-		-		-		-		-
6	RCC Ground floor Slab		-		-		-		-		-		-
7	RCC 1st floor Slab		-		-		-		-		-		-
8	RCC Roof Slab		-		-		-		-		-		-
9	Brick work		-		-		-		-		-		-
10	Plaster	50%	33,500.00	50%	33,500.00		-		-		-		-
11	Plumbing, fixtures , sanitary works, AC work	50%	33,500.00		-	50%	33,500.00		-		-		-
12	Electrification work	50%	16,750.00		-	50%	16,750.00		-		-		-
13	Finishing works	70%	23,450.00	25%	8,375.00	30%	10,050.00		-		-		-
vii	Guard Room Area		0		0		0		0		0		0

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
1	Site Clearance		-		-		-		-		-		-
2	Excavation		-		-		-		-		-		-
3	PCC		-		-		-		-		-		-
4	RCC Foundation/column footing		-		-		-		-		-		-
5	Column & Beam		-		-		-		-		-		-
6	RCC Ground floor Slab		-		-		-		-		-		-
7	RCC Roof Slab		-		-		-		-		-		-
8	Brick work		-		-		-		-		-		-
9	Plaster		-		-		-		-		-		-
10	Plumbing, fixtures	50%	57,211.20		-	50%	57,211.20		-		-		-
11	Sanitary works, AC work	50%	32,211.20		-	50%	32,211.20		-		-		-
12	Electrification work	50%	16,105.50		-	50%	16,105.50		-		-		-
13	Finishing works	50%	16,105.50	25%	8,052.75	50%	16,105.50		-		-		-
viii	Chlorination Room Area		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
2	Excavation		-		-		-		-		-		-
3	PCC		-		-		-		-		-		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
4	RCC Foundation/Column footing		-		-		-		-		-		-
5	Column & Beam		-		-		-		-		-		-
6	Ground floor Slab		-		-		-		-		-		-
7	Roof Slab		-		-		-		-		-		-
8	Brickwork		-		-		-		-		-		-
9	Plaster	50%	1,28,844.80	50%	1,28,844.80		-		-		-		-
10	Testing/Finishing works	50%	2,05,500.00	50%	2,05,500.00	50%	2,05,500.00		-		-		-
ix	Admin Bldg Area (G+1)		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
2	Excavation		-		-		-		-		-		-
3	PCC		-		-		-		-		-		-
4	Column footings/Foundation		-		-		-		-		-		-
5	Column & Beam up to First Floor		-		-		-		-		-		-
6	1st Floor Slab		-		-		-		-		-		-
7	Column & Beam First Floor to Roof Slab		-		-		-		-		-		-
8	Roof Slab	100%	1,35,357.77	100%	1,35,357.77		-		-		-		-
9	Brickwork	100%	1,35,357.77	100%	1,35,357.77		-		-		-		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
10	Plaster	80%	85,275.40	80%	85,275.40	20%	21,318.85	20%	21,318.85		-		-
11	Electrification, plumbing, fixtures , sanitary works, AC work	30%	66,674.79	30%	66,674.79	70%	1,55,574.52	20%	44,449.86		-		-
12	finishing works	50%	69,500.00	50%	69,500.00	50%	69,500.00	50%	69,500.00		-		-
x	Sludge Dewatering System Area (Centrifuge Pump House, Sludge sump & Poly dosing tank)		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
2	Excavation		-		-		-		-		-		-
3	PCC		-		-		-		-		-		-
4	RCC Foundation		-		-		-		-		-		-
5	Column & Beam Upto First Floor		-		-		-		-		-		-
6	First Floor Slab		-		-		-		-		-		-
7	Column & Beam First Floor to Roof Slab	75%	2,53,932.00	75%	2,53,932.00		-		-		-		-
8	Roof Slab	100%	3,19,576.00	100%	3,19,576.00		-		-		-		-
9	Brickwork	70%	2,58,703.20	70%	2,58,703.20	30%	1,10,872.80	30%	1,10,872.80		-		-
10	Plaster	40%	1,27,830.40	25%	79,894.00	60%	1,91,745.60		-		-		-
11	Piping & fiittings Work		-		-	100%	1,84,364.00		-		-		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
12	Testing/Finishing works		-		-	100%	3,51,000.00		-		-		-
xi	Inlet Chamber Area		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
2	Excavation & PCC		-		-		-		-		-		-
3	RCC Foundation/Column footing		-		-		-		-		-		-
4	Column & Beam	75%	2,35,369.80	75%	2,35,369.80		-		-		-		-
5	RCC Slab	30%	94,147.92	30%	94,147.92	70%	2,19,678.48	70%	2,19,678.48		-		-
6	RCC Wall		-		-	100%	2,89,652.40		-		-		-
7	Testing/Finishing works		-		-	100%	1,88,000.0000		-		-		-
xii	Manual & Mechanica Fine Bar Screen Chamber Area		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
2	Excavation		-		-		-		-		-		-
3	PCC		-		-		-		-		-		-
4	RCC Foundation		-		-		-		-		-		-
5	Column & Beam	75%	1,36,837.80	75%	1,36,837.80		-		-		-		-
6	RCC Slab	50%	1,28,725.20	50%	1,28,725.20	50%	1,28,725.20	40%	1,02,980.16		-		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
7	RCC Wall		-		-	100%	1,71,633.60		-		-		-
8	Walkway/Platform		-		-	100%	1,67,633.60		-		-		-
9	Testing/Finishing works		-		-	100%	1,54,000.00		-		-		-
xiii	Grit Chamber Area		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
2	Excavation		-		-		-		-		-		-
3	PCC		-		-		-		-		-		-
4	RCC Foundation		-		-		-		-		-		-
5	Column & Beam	75%	1,82,450.40	75%	1,82,450.40		-		-		-		-
6	RCC Slab	100%	2,43,267.20	90%	2,18,940.48		-		-		-		-
7	RCC Wall	40%	91,537.92		-	60%	1,37,306.88		-		-		-
8	Walkway/Platform		-		-	100%	2,28,844.80		-		-		-
9	Testing/Finishing works		-		-	100%	1,85,400.00		-		-		-
xiv	Parshall Flume Channel Area		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
2	Excavation		-		-		-		-		-		-
3	PCC		-		-		-		-		-		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
4	RCC Foundation		-		-		-		-		-		-
5	Column & Beam	75%	2,57,450.40	75%	2,57,450.40		-		-		-		-
6	RCC Slab	40%	1,37,306.88	40%	1,37,306.88	60%	2,05,960.32	30%	1,02,980.16		-		-
7	RCC Wall	30%	1,02,980.16		-	70%	2,40,287.04		-		-		-
8	Walkway/Platform		-		-	100%	3,43,267.20		-		-		-
9	Piping & fitting Work		-		-	100%	1,71,633.60		-		-		-
10	Testing		-		-	100%	2,57,400.00		-		-		-
xv	Sludge Storage Platform Area		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
2	Excavation	100%	1,00,000.00		-		-		-		-		-
3	PCC	100%	2,50,000.00		-		-		-		-		-
4	Foundation Work	70%	2,10,000.00		-	30%	90,000.00		-		-		-
5	Finishing work		-		-	100%	1,50,000.00		-		-		-
xvi	Transformer Yard Area		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
2	Excavation	100%	3,88,045.00	100%	3,88,045.00		-		-		-		-
3	PCC	100%	3,88,045.00	100%	3,88,045.00		-		-		-		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
4	Foundation Work	100%	3,88,045.00	100%	3,88,045.00		-		-		-		-
xvii	DG Shed Area		0	0%	0		0		0		0		0
1	Site Clearance		-	0%	-		-		-		-		-
2	Excavation	100%	4,36,555.00	100%	4,36,555.00		-		-		-		-
3	PCC	100%	4,36,555.00	100%	4,36,555.00		-		-		-		-
4	Foundation Work	70%	3,05,588.50	70%	3,05,588.50	30%	1,30,966.50	30%	1,30,966.50		-		-
xviii	EXTERNAL DEVELOPMENT		0		0		0		0		0		0
	Boundary Wall with Gate		-		-		-		-		-		-
1	Site Clearance		-		-		-		-		-		-
2	Excavation		-		-		-		-		-		-
3	PCC	3%	15,063.75	1%	5,021.25		-		-		-		-
4	RCC Column footing	3%	15,063.75	1%	5,021.25		-		-		-		-
5	RCC Column & Beam	4%	20,094.12	0%	-		-		-		-		-
6	Brickwork	8%	40,170.00	3%	15,063.75		-		-		-		-
7	Plaster	20%	1,00,309.60	15%	75,232.20	20%	1,00,309.60		-		-		-
8	Retaining wall	40%	6,44,414.00	23%	3,62,482.88	21%	3,38,317.35		-		-		-
9	Finishing Work	50%	2,51,062.50		-	50%	2,51,062.50		-		-		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	Earthfilling, Internal Roads ,Landscaping		-		-		-		-		-		-
1	Earthfilling, Internal Roads ,Landscaping	60%	10,50,560.40		-	40%	7,00,373.60		-		-		-
B	I & D Work		0		0		0		0		0		0
(i)	Approach Channel		0		0		0		0		0		0
1	Excavation	50%	34,093.30	50%	34,093.30		-		-		-		-
2	PCC	100%	1,70,466.50	100%	1,70,466.50		-		-		-		-
3	RCC Foundation/Raft	100%	2,04,559.80	100%	2,04,559.80		-		-		-		-
4	wall	60%	1,02,279.90	60%	1,02,279.90	40%	68,186.60	20%	34,093.30		-		-
5	Testing/Finishing work		-		-	100%	61,300.00		-		-		-
(ii)	Inlet Chamber		0		0		0		0		0		0
1	Excavation		-		-		-		-		-		-
2	PCC		-		-		-		-		-		-
3	RCC Foundation/Raft	100%	2,57,904.60	100%	2,57,904.60		-		-		-		-
4	wall	100%	2,14,920.50	80%	1,71,936.40		-		-		-		-
5	Testing/Finishing work		-		-	100%	77,300.00		-		-		-
(iii)	Screen Channel		0		0		0		0		0		0

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
1	Excavation		-		-		-		-		-		-
2	PCC	100%	1,71,974.25	100%	1,71,974.25		-		-		-		-
3	RCC Foundation/Raft	100%	2,06,369.10	100%	2,06,369.10		-		-		-		-
4	wall	60%	1,03,184.55	50%	85,987.13	40%	68,789.70		-		-		-
5	Testing/Finishing work		-		-	100%	61,900.00		-		-		-
(iv)	Grit Chamber		0		0		0		0		0		0
1	Excavation		-		-		-		-		-		-
2	PCC	100%	1,76,674.25	100%	1,76,674.25		-		-		-		-
3	RCC Foundation/Raft	100%	2,12,009.10	100%	2,12,009.10		-		-		-		-
4	wall	100%	1,76,674.25	80%	1,41,339.40		-		-		-		-
5	Testing/Finishing work		-	0%	-	100%	63,600.00		-		-		-
(v)	Collection Chamber		0	0%	0		0		0		0		0
1	Excavation	100%	13,709.20	100%	13,709.20		-		-		-		-
2	PCC	100%	34,273.00	100%	34,273.00		-		-		-		-
3	RCC Foundation/Raft	100%	41,127.60	100%	41,127.60		-		-		-		-
4	wall	80%	27,497.23	30%	10,281.90	20%	6,775.77		-		-		-
5	Testing/Finishing work		-		-	100%	12,300.00		-		-		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
C	MPS-40 MLD		0		0		0		0		0		0
	Civil Work		-		-		-		-		-		-
i	Construction of Raw Sewage Sump		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
2	Excavation		-		-		-		-		-		-
3	PCC		-		-		-		-		-		-
4	RCC Foundation/Raft		-		-		-		-		-		-
5	Wall 50% of total lift work		-		-		-		-		-		-
6	Walls (balance 50% of Total Lift work)	10%	88,722.00	10%	88,722.00		-		-		-		-
7	Column & Beam	100%	7,87,220.00	100%	7,87,220.00		-		-		-		-
8	Ground Floor Slab	100%	5,91,480.00	100%	5,91,480.00		-		-		-		-
9	Testing/Finishing work	30%	1,77,444.00	0%	-	70%	4,14,036.00		-		-		-
ii	Construction of Raw Sewage Pump House		0		0		0		0		0		0
1	Column & Beam	50%	4,62,093.75	50%	4,62,093.75	50%	4,62,093.75		-		-		-
2	Roof Slab	30%	2,77,256.25		-	70%	6,46,931.25		-		-		-
3	Brickwork		-		-	100%	9,24,187.50		-		-		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
4	Plaster		-		-	100%	9,24,187.50		-		-		-
iii	Construction of Inlet Chamber & Screen Channel		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
2	Excavation		-		-		-		-		-		-
3	PCC		-		-		-		-		-		-
4	RCC Foundation/Raft		-		-		-		-		-		-
5	Wall 50% of total lift work		-		-		-		-		-		-
6	Walls (balance 50% of Total Lift work)	50%	92,418.75	50%	92,418.75		-		-		-		-
7	Column & Beam	100%	1,51,504.17	100%	1,51,504.17		-		-		-		-
8	Ground Floor Slab	100%	1,84,837.50	100%	1,84,837.50		-		-		-		-
9	Walkway/Platform		-	100%	1,84,837.50	100%	1,84,837.50		-		-		-
10	Testing/Finishing work		-		-	100%	1,59,500.00		-		-		-
D	SEWER SYSTEM AREA (3.2 Km)		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
			-		-		-		-		-		-
2	Supply of pipes		-		-		-		-		-		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
3	Excavation and Laying of pipes including bed preparation & backfilling	24%	13,51,705.97	19%	10,68,533.53	13%	7,18,992.54		-		-		-
4	Manholes	25%	9,22,039.49	25%	9,22,039.49	65%	23,97,302.67	2%	73,763.16		-		-
5	Flow/Hydraulic Testing		-		-	100%	73,74,893.60		-		-		-
6	Road restoration work	10%	1,79,726.66		-	40%	7,37,489.36		-		-		-
E	RISING MAIN PIPING WORK (100 m)		0		0		0		0		0		0
1	Site Clearance		-		-		-		-		-		-
2	Supply of pipes	25%	1,37,994.48	25%	1,37,000.00	25%	1,36,005.52	25%	1,37,000.00		-		-
3	Cutting,Excavtion,Laying of Pipes, backfilling	20%	13,700.00	20%	13,700.00	50%	34,250.00	10%	6,850.00	30%	20,550.00		-
4	Testing		-		-		-		-	100%	68,500.00		-
F	EFFLUENT DISPOSAL SYSTEM		0		0		0		0		0		0
			-		-		-		-		-		-
1	Site Clearance		-		-		-		-		-		-
2	Construction of Effluent Channel from Distribution Chamber to Agriculture Land	90%	13,60,799.97	90%	13,60,799.97	10%	1,51,200.00	10%	1,51,200.00		-		-
3	Construction of Rectangular Channel from STP to Distribution Chamber	90%	10,20,599.98	90%	10,20,599.98	10%	1,13,400.00	10%	1,13,400.00		-		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
4	Construction of Distribution Chamber	90%	10,20,599.98	55%	6,23,699.99	10%	1,13,400.00		-		-		-
G	E&M WORK								-				-
i)	GRIT CHAMBER AREA		-		-		-		-		-		-
	A.On supply - Grit Scraper Mechanism		-		-		-		-		-		-
	B.On Installation - Grit Scraper Mechanism		-		-	100%	5,40,000.00		-		-		-
ii)	SLUDGE THICKENER AREA		-		-		-		-		-		-
	A.Supply - Sludge Thickener		-		-		-		-		-		-
	B.Installation - Sludge Thickener	100%	3,20,000.00	100%	3,20,000.00		-		-		-		-
iii)	TRANSFORMER YARD AREA		-		-		-		-		-		-
	A.Supply - Transformer	100%	44,00,000.00	100%	44,00,000.00		-		-		-		-
	B.Installation - Transformer		-		-	100%	11,00,000.00		-		-		-
iv)	DG SHED AREA		-		-		-		-		-		-
	A.Supply - DG		-		-		-		-	100%	100,00,000.00	100%	100,00,000.00
	B.Installation - DG		-		-		-		-	100%	25,00,000.00		-
v)	MEP		-		-		-		-		-		-
	A.Supply - Screen		-		-		-		-		-		-
	B.Installation - Screen		-		-		-		-	100%	15,20,000.00		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	C.Supply - Hoist		-		-		-		-		-		-
	D.Installation - Hoist		-		-	100%	1,40,000.00		-		-		-
	E.Supply - Pumps & Motors(MEP)		-		-		-		-		-		-
	F.Installation - Pumps & Motors(MEP)		-		-	50%	11,60,000.00		-	50%	11,60,000.00		-
	G.Supply - Gate & Valves(MPS)	50%	20,80,000.00	50%	26,00,000.00		-		-		-		-
	H.Installation - Gate & Valves(MPS)		-		-	100%	10,40,000.00		-		-		-
	I.Supply Instruments(like flow meter, Guages, level, Transmitter)		-		-	100%	25,60,000.00		-		-		-
	J.Installation - Instruments(like flow meter, Guages, level, Transmitter)		-		-		-		-	100%	6,40,000.00		-
vi)	INLET CHAMBER AREA		-		-		-		-		-		-
	A.Supply - Gate & Valves(STP)	50%	16,80,000.00	50%	16,80,000.00		-		-		-		-
	B.Installation - Gate & Valves(STP)		-		-	20%	1,67,998.00		-	80%	6,72,000.00		-
vii)	FINE SCREEN AREA		-		-		-		-		-		-
	A.On supply -Fine Screen		-		-		-		-		-		-
	B.On Installation -Fine Screen		-		-	100%	6,40,000.00		-		-		-
viii)	SBR BASIN AREA		-		-		-		-		-		-
	A..On supply - Decanter Equipment		-		-		-		-		-		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	B..Installation - Decanter Equipment	50%	19,30,000.00		-	50%	19,30,000.00		-		-		-
	C.On supply - Diffuser		-		-		-		-		-		-
	D.On Installation - Diffuser		-		-	100%	38,60,000.00		-		-		-
	E.On supply - RAS Pump, SAS Pump		-		-		-		-		-		-
	F.On Installation - RAS Pump, SAS Pump	100%	10,80,000.00		-		-		-		-		-
	G.On supply - Chain Pulley Block		-		-		-		-		-		-
	H.On Installation - Chain Pulley Block		-		-	100%	1,40,000.00		-		-		-
ix)	AIR BLOWER ROOM		-		-		-		-		-		-
	A.Supply - Blower	60%	28,93,920.00	60%	28,80,000.00	40%	19,06,080.00		-		-		-
	B. Installation - Blower				-	39%	4,71,457.00		-	61%	7,28,581.00		-
	C.Supply - Hoist Work		-		-	100%	4,00,000.00	100%	4,00,000.00		-		-
	D.Installation - Hoist Work		-		-	100%	1,00,000.00		-		-		-
x)	CHLORINATION ROOM AREA		-		-		-		-		-		-
	A.Supply - Chlorination system (Dosing pumps, chlorinators, Tonnes, Chemicals & Piping work	40%	9,28,000.00	40%	9,28,000.00	10%	2,32,000.00	10%	2,32,000.00		-		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	B. Installation - Chlorination system(Dosing pumps, chlorinators, Tonnes, Chemicals & Piping work		-		-	40%	2,32,000.00		-	60%	3,48,000.00		-
	C.Supply - Chlorine Nutrilisation Tank		-		-	100%	4,00,000.00		-		-		-
	D.Installation - Chlorine Nutrilisation tank		-		-	100%	1,00,000.00		-		-		-
	E.Supply - Hoist Work		-		-		-		-		-		-
	F.Installation - Hoist Work		-		-	100%	1,40,000.00		-		-		-
xi)	CENTRIFUGE HOUSE & FEED PUMP AREA		-		-		-		-		-		-
	A.On supply -Centrifuge & Feed Pump		-		-		-		-		-		-
	B.On Installation -Centrifuge & Feed Pump	90%	18,53,997.28	90%	18,54,000.00	10%	2,06,002.72	10%	2,06,000.00		-		-
xii)	ADMN BUILDING AREA		-		-		-		-		-		-
	A.Supply - PMCC work	50%	47,20,000.00		-		-		-		-		-
	B.Installation - PMCC work	47%	11,15,037.00		-	45%	10,66,460.74		-	8%	1,78,618.64		-
	C.Supply - PLC/SCADA Automation of MPS,STP,D.G set)		-		-		-		-	100%	80,00,000.00		-
	D.Installation - PLC/SCADA Automation of MPS,STP,D.G set)		-		-		-		-	100%	20,00,000.00		-

Sr. No.	Description of Items	Milestone-6 (From 16th Nov'21 to 25th Mar'22)		Achieved for 6th Milestone		Milestone-7 (From 26th Mar'22 to 25th Apr'22)		Achieved for 7th Milestone		Milestone-8 (From 26th Apr'22 to 15th May'22)		Achieved for 8th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
xiii)	TESTING OF E&M EQUIPMENT FOR STP & MPS		-		-		-		-	100%	194,00,000.00		-
xiv)	EQUIPMENT TOOLS & MISC.		-		-		-		-	100%	6,00,000.00		-
III	TRIAL RUN & COMMISSIONING												
1	Trial Run & Commissioning												
			478,36,250		341,79,785		478,36,250		27,37,337		478,36,250		100,00,000

PHOTOGRAPHS OF UNNAO STP SITE



I&D works



Manhole casting works



I&D wall de-shuttering works



MPS shuttering works final lift



Shuttering and reinforcement work in PTU

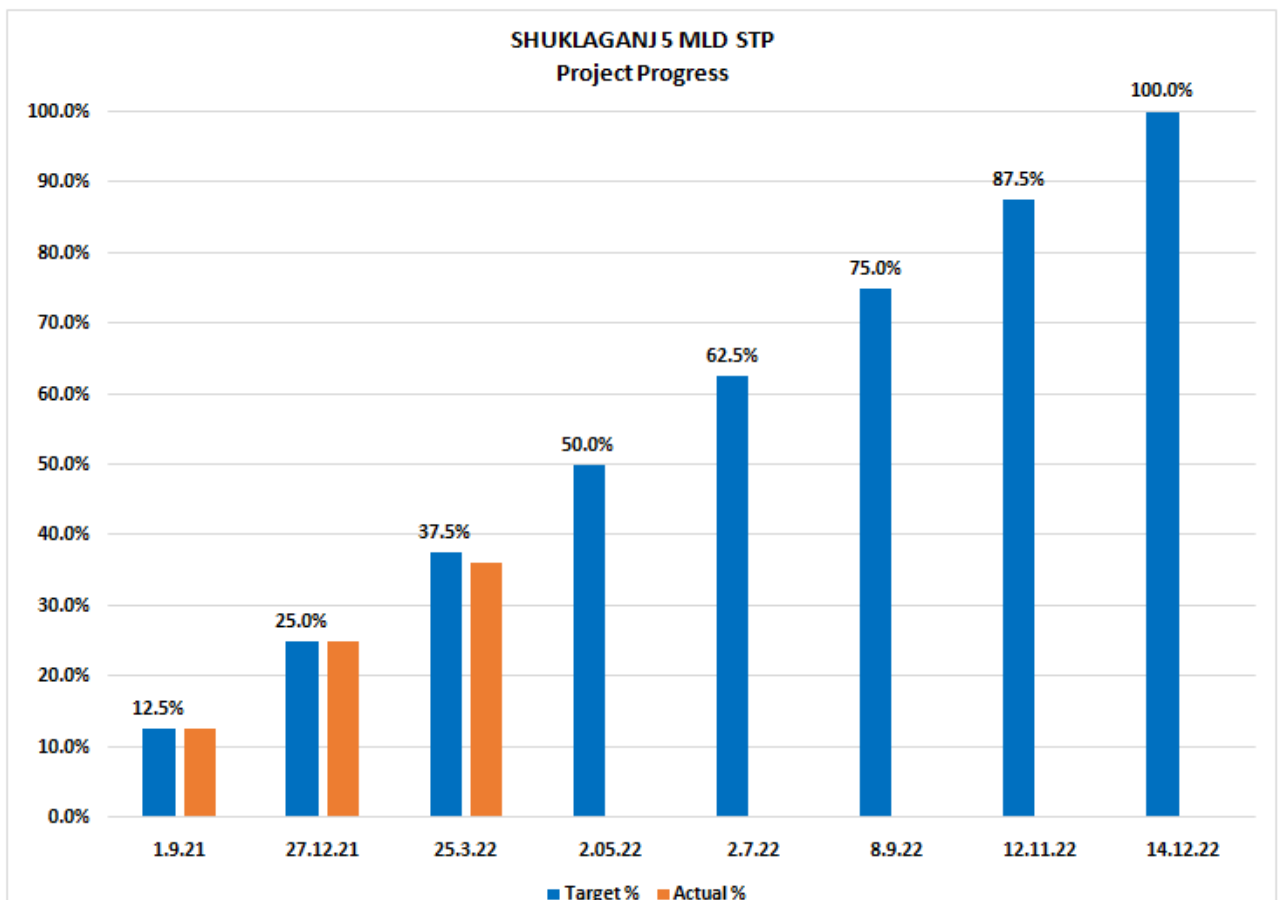


Casting of roof slab of PTU Grit Chamber

6.3 MILESTONE WISE ACTIVITIES AND PROGRESS: SHUKLAGANJ STP

Progress of construction works for 05 MLD STP at Shuklaganj is very slow. As per direction given in the NMCG meeting dated 17.02.2022, time extension has been given to KRMPL. Now KRMPL needs to complete Pankha plant by 25.04.2022. Total progress till March 2022 is approx 36.2% against the target of 38%. Status and progress of Shuklaganj STP is as following:

- During March 2022, the manpower deployed at the 05 MLD STP site was 15-20 nos. KRMPL need to increase the manpower up to 100 to achieve the target on time;
- Milestone 1 complete on 01.09.2021. 2nd milestone was completed on 27.12.2021.
- 3rd milestone was missed on 25.03.2022 due to slow progress, inadequate manpower and poor planning by KRMPL. At present works of 3rd, 4th and 5th milestones are in progress.



- KRMPL needs to expedite the progress by increasing the manpower and working on multiple fronts.
- During visit, progress of different STP components was checked as per the approved construction plan and it was found that progress of 05 MLD STP is very slow. Detail is given below:

STP Units	Target %	Achieved %
I&D	38%	0%
Sewer Laying (900 mm, 424m)	38%	10%

Manhole (09 nos.)	38%	0%
Pumping Main (500mm dia, 80 m)	38%	0%
MPS	38%	15%
PTU	38%	0%
SBR	38%	15%
Blower	38%	10%
CCT, Chlorination Building	38%	10%
Thickener, Supernatant Sump	38%	70%
Centrifuge	38%	0%
Admin Building	38%	10%
Staff Quarter	38%	15%
Guard Room	38%	70%
Boundary Wall	38%	30%

Milestone wise progress of Shuklaganj STP is given in following table:

TABLE 6.3: MILESTONE WISE PROGRESS – 05 MLD Shuklaganj STP

Sr. No.	Description of Items	Milestone-1 (From 15th March.'21 to 1st Sep'21)		Milestone-2 (From 2nd Sep'21 to 27th Dec'21)		Milestone-3 (From 28th Dec'21 to 25th March'22)		Achieved for 3rd Milestone		Milestone-4 (From 26th March'22 to 2nd May'22)	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
I	Design & Drawing of STP										
1	On approval of BEP	100%	53,23,755.00				-	0%	-		-
2	On approval of design & drawings for Civil & Sewerage works	90%	47,91,379.50		-		-	10%	5,32,375.50	10%	5,32,375.50
i)	SBR Basin Area							0%	0		
1	Site Clearance	100%	4,79,137.96	0%			-	0%	-		-
2	Excavation wall footing	60%	11,49,931.10	40%	7,66,620.74		-	0%	-		-
3	PCC wall footing		-	53%	12,68,992.59	47%	11,26,697.21	47%	11,25,974.21		-
4	RCC Foundation/Raft of wall		-		-	100%	28,74,827.76	100%	28,74,827.76		-
5	Wall 50% of total upto base slab		-		-	100%	23,95,689.80	100%	23,95,689.80		-
6	Walls (balance 50% of upto base slab)		-		-	50%	11,97,844.90	100%	23,95,689.80	50%	11,97,844.90
7	PCC Base Slab		-		-		-		-	100%	35,93,534.70
8	RCC Foundation base slab		-		-		-		-		-
9	Wall 50% of total lift work		-		-		-		-		-
10	Walls (balance 50% of Total Lift work)		-		-		-		-		-
13	Hydro Testing /Finishing works		-		-		-		-		-
ii	Chlorination Tank Area		0				0		0%		0
1	Site Clearance	100%	47,913.80				-		-		-
2	Excavation		-			100%	3,11,439.70	100%	3,11,439.70		-
3	PCC		-		-	100%	3,59,353.50	100%	3,59,353.50		-
4	RCC Foundation/Raft		-		-	100%	5,98,922.50	100%	5,98,922.50		-
5	Wall 50% of total lift work		-		-		-	0%	-	100%	3,59,353.50
6	Walls (balance 50% of Total Lift work)		-		-		-	0%	-	26%	1,24,575.88
7	Baffle Walls work		-		-		-	0%	-		-
8	Hydro Testing /Finishing works		-		-		-	0%	-		-

Sr. No.	Description of Items	Milestone-1 (From 15th March.'21 to 1st Sep'21)		Milestone-2 (From 2nd Sep'21 to 27th Dec'21)		Milestone-3 (From 28th Dec'21 to 25th March'22)		Achieved for 3rd Milestone		Milestone-4 (From 26th March'22 to 2nd May'22)	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
iii	Chlorination Room Area		0				0	0%	0		0
1	Site Clearance	100%	47,913.80		-		-	0%	-		-
2	Excavation		-		-	100%	1,91,655.20	100%	1,91,655.20		-
3	PCC		-		-	100%	2,39,569.00	100%	2,39,569.00		-
4	RCC Foundation/Column footing		-		-	100%	5,98,922.50	0%	-		-
5	Column & Beam		-		-	50%	1,79,676.75	0%	-	50%	1,79,676.75
6	Ground floor Slab		-		-		-	0%	-	100%	2,39,569.00
7	Roof Slab		-		-		-	0%	-		-
8	Brickwork		-		-		-	0%	-		-
9	Plaster		-		-		-	0%	-		-
10	Testing/Finishing works		-		-		-	0%	-		-
iv	Guard Room Area		0				0	0%	0		0
1	Site Clearance	100%	33,539.66		-		-	0%	-		-
2	Excavation	100%	1,34,158.64		-		-	0%	-		-
3	PCC	100%	1,67,698.30		-		-	0%	-		-
4	RCC Foundation/column footing	100%	1,67,698.30		-		-	0%	-		-
5	Column & Beam	100%	2,51,547.45		-		-	0%	-		-
6	RCC Ground floor Slab		-		-	100%	2,51,547.45	100%	2,51,547.45		-
7	RCC Roof Slab		-		-	100%	83,849.15	100%	83,849.15		-
8	Brick work		-		-		-	0%	-	100%	1,67,698.30
9	Plumbing, fixtures		-		-		-	0%	-		-
10	Sanitary works		-		-		-	0%	-		-
11	Electrification work		-		-		-	0%	-		-
12	Plaster		-		-		-	0%	-		-
13	Finishing works		-		-		-	0%	-		-

Sr. No.	Description of Items	Milestone-1 (From 15th March.'21 to 1st Sep'21)		Milestone-2 (From 2nd Sep'21 to 27th Dec'21)		Milestone-3 (From 28th Dec'21 to 25th March'22)		Achieved for 3rd Milestone		Milestone-4 (From 26th March'22 to 2nd May'22)	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
iv	Admin Bldg Area (G+1)		0				0	0%	0		0
1	Site Clearance	100%	1,05,410.34		-		-	0%	-		-
2	Excavation		-	100%	2,63,525.85		-	0%	-		-
3	PCC		-		-	100%	3,68,936.19	100%	3,68,936.19		-
4	Column footings/Foundation		-		-	100%	5,27,051.70	100%	5,27,051.70		-
5	Column & Beam up to Floor Base slab		-		-		-	0%	-	100%	7,90,577.55
6	Floor base Slab		-		-		-	0%	-		-
7	Column & Beam upto Roof Slab		-		-		-	0%	-		-
8	1st Floor Roof Slab		-				-	0%	-		-
9	Brickwork		-				-	0%	-		-
10	Electrification, plumbing, fixtures , sanitary works		-				-	0%	-		-
11	Plaster		-				-	0%	-		-
12	finishing works		-				-	0%	-		-
v	Air Blower Room Area		0				0	0%	0		0
1	Site Clearance	100%	95,827.60				-	0%	-		-
2	Excavation		-	100%	3,83,310.40		-	0%	-		-
3	PCC		-		-	100%	7,18,707.00	100%	7,18,707.00		-
4	RCC Foundation/column footing		-		-	100%	7,18,707.00	67%	4,81,533.69		-
5	Column & Beam		-		-		-	0%	-		-
6	RCC Roof Slab		-		-		-	0%	-		-
7	Cable Trench Work		-		-		-	0%	-		-
8	Brick work		-		-		-	0%	-		-
9	Plaster		-		-		-	0%	-		-
10	Testing/Finishing work		-		-		-	0%	-		-
vi	Staff Quarter Area (G+1)		0				0	0%	0		0

Sr. No.	Description of Items	Milestone-1 (From 15th March.'21 to 1st Sep'21)		Milestone-2 (From 2nd Sep'21 to 27th Dec'21)		Milestone-3 (From 28th Dec'21 to 25th March'22)		Achieved for 3rd Milestone		Milestone-4 (From 26th March'22 to 2nd May'22)	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
1	Site Clearance	100%	33,539.66				-	0%	-		-
2	Excavation	100%	1,34,158.64				-	0%	-		-
3	PCC		-	100%	1,67,698.30		-	0%	-		-
4	RCC Foundation/column footing		-	100%	1,67,698.30		-	0%	-		-
5	Column & Beam upto ground floor slab		-		-	100%	2,51,547.45	100%	2,51,547.45		-
6	RCC Ground floor Slab (Base floor slab)		-		-		-		-	100%	1,67,698.30
7	Column upto roof slab & RCC 1st floor Slab		-		-		-	0%	-	100%	3,35,396.60
8	Brick work		-		-		-	0%	-		-
9	Plumbing, fixtures , sanitary works		-		-		-	0%	-		-
10	Electrification work		-		-		-	0%	-		-
11	Plaster		-		-		-	0%	-		-
12	Finishing works		-		-		-	0%	-		-
vii	Inlet Chamber Area		0				0	0%	0		0
1	Site Clearance		-		-	100%	28,748.28	100%	28,748.28		-
2	Excavation & PCC		-			100%	1,86,863.82	50%	93,431.91		-
3	RCC Foundation/Column footing		-			100%	2,15,612.10	0%	-		-
4	Column & Beam		-		-		-	0%	-		-
5	RCC Slab		-		-		-	0%	-		-
6	RCC Wall		-		-		-	0%	-		-
7	Hydro Testing /Finishing works		-		-		-	0%	-		-
viii	Manual & Mechanica Fine Bar Screen Chamber AreaArea		0				0	0%	0		0
1	Site Clearance		-		-	100%	28,748.28	100%	28,748.28		-
2	Excavation		-			100%	1,86,863.82	50%	93,431.91		-
3	PCC		-			100%	2,15,612.10	0%	-		-
4	RCC Foundation		-				-	0%	-	100%	2,87,482.80

Sr. No.	Description of Items	Milestone-1 (From 15th March.'21 to 1st Sep'21)		Milestone-2 (From 2nd Sep'21 to 27th Dec'21)		Milestone-3 (From 28th Dec'21 to 25th March'22)		Achieved for 3rd Milestone		Milestone-4 (From 26th March'22 to 2nd May'22)	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
5	Column & Beam		-				-	0%	-		-
6	RCC Slab		-				-	0%	-		-
7	RCC Wall		-				-	0%	-		-
8	Walkway/Platform		-				-	0%	-		-
9	Hydro Testing /Finishing works		-				-	0%	-		-
ix	Grit Chamber Area		0				0	0%	0		0
1	Site Clearance		-		-	100%	62,287.94	100%	62,287.94		-
2	Excavation		-			100%	4,04,871.61	50%	2,02,435.81		-
3	PCC		-			100%	4,67,159.55	0%	-		-
4	RCC Foundation		-			100%	6,22,879.40	0%	-		-
5	Column & Beam		-				-	0%	-	50%	2,33,579.78
6	RCC Slab		-				-	0%	-		-
7	RCC Wall		-				-	0%	-		-
8	Walkway/Platform		-				-	0%	-		-
9	Hydro Testing /Finishing works		-				-	0%	-		-
x	Parshall Flume Channel Area		0				0	0%	0		0
1	Site Clearance		-		-	100%	62,287.94	0%	-		-
2	Excavation		-			100%	4,04,871.61	0%	-		-
3	PCC		-			100%	4,67,159.55	0%	-		-
4	RCC Foundation		-				-	0%	-	50%	2,33,579.78
5	Column & Beam		-				-	0%	-		-
6	RCC Slab		-				-	0%	-		-
7	RCC Wall		-				-	0%	-		-
8	Walkway/Platform		-				-	0%	-		-
9	Piping & fitting Work		-				-	0%	-		-

Sr. No.	Description of Items	Milestone-1 (From 15th March.'21 to 1st Sep'21)		Milestone-2 (From 2nd Sep'21 to 27th Dec'21)		Milestone-3 (From 28th Dec'21 to 25th March'22)		Achieved for 3rd Milestone		Milestone-4 (From 26th March'22 to 2nd May'22)	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
10	Hydro Testing /Finishing works		-				-	0%	-		-
xi	Sludge Dewatering System Area (Centrifuge Pump House, Sludge sump & Poly dosing tank)		0				0	0%	0		0
1	Site Clearance		-		-	100%	86,244.84	0%	-		-
2	Excavation		-		-		-	0%	-		-
3	PCC		-		-		-	0%	-		-
4	RCC Foundation		-		-		-	0%	-		-
5	Column & Beam Upto First Floor		-		-		-	0%	-		-
6	First Floor Slab		-		-		-	0%	-		-
7	Column & Beam First Floor to Roof Slab		-		-		-	0%	-		-
8	Roof Slab		-		-		-	0%	-		-
9	Brickwork		-		-		-	0%	-		-
10	Plaster		-		-		-	0%	-		-
11	Piping & fiittings Work		-		-		-	0%	-		-
12	Hydro Testing /Finishing works		-		-		-	0%	-		-
xii	Sludge Thickener Area		0				0	0%	0		0
1	Site Clearance	100%	67,079.32				-	0%	-		-
2	Excavation	100%	4,36,015.58				-	0%	-		-
3	PCC	100%	5,03,094.90				-	0%	-		-
4	RCC Foundation Wall/base slab		-	100%	8,38,491.50		-	0%	-		-
5	Wall 50% of total lift work		-			100%	6,70,793.20	100%	6,70,793.20		-
6	Walls (balance 50% of Total Lift work)		-			50%	3,35,396.60	25%	1,67,698.30	50%	3,35,396.60
7	Hydro Testing /Finishing works		-				-	0%	-		-
xiii	Supernatant Sump Area		0				0	0%	0		0
1	Site Clearance	100%	47,913.80				-	0%	-		-

Sr. No.	Description of Items	Milestone-1 (From 15th March.'21 to 1st Sep'21)		Milestone-2 (From 2nd Sep'21 to 27th Dec'21)		Milestone-3 (From 28th Dec'21 to 25th March'22)		Achieved for 3rd Milestone		Milestone-4 (From 26th March'22 to 2nd May'22)	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
2	Excavation		-	100%	3,11,439.70		-	0%	-		-
3	PCC		-	100%	3,59,353.50		-	0%	-		-
4	RCC Foundation wall/base slab		-	100%	5,98,922.50		-	0%	-		-
5	Wall 50% of total lift work		-	100%	4,79,138.00		-	0%	-		-
6	Walls (balance 50% of Total Lift work)		-		-	100%	4,79,138.00	100%	4,79,138.00		-
7	Hydro Testing /Finishing works		-		-		-	0%	-	50%	59,892.25
xiv	Sludge Storage Platform Area		0				0	0%	0		0
1	Site Clearance		-				-	0%	-		-
2	Excavation		-				-	0%	-		-
3	PCC		-				-	0%	-		-
4	Foundation Work		-				-	0%	-		-
5	Finishing work		-				-	0%	-		-
xv	Transformer Yard Area		0				0	0%	0		0
1	Site Clearance		-				-	0%	-		-
2	Excavation		-				-	0%	-		-
3	PCC		-				-	0%	-		-
4	Foundation Work		-				-	0%	-		-
xvi	DG Shed Area		0				0	0%	0		0
1	Site Clearance		-				-	0%	-		-
2	Excavation		-				-	0%	-		-
3	PCC		-				-	0%	-		-
4	Foundation Work		-				-	0%	-		-
xvii	EXTERNAL DEVELOPMENT		0				0	0%	0		0
	Boundary Wall with Gate		-				-	0%	-		-
1	Site Clearance		-				-	0%	-		-

Sr. No.	Description of Items	Milestone-1 (From 15th March.'21 to 1st Sep'21)		Milestone-2 (From 2nd Sep'21 to 27th Dec'21)		Milestone-3 (From 28th Dec'21 to 25th March'22)		Achieved for 3rd Milestone		Milestone-4 (From 26th March'22 to 2nd May'22)	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
2	Excavation	50%	13,49,787.38	5%	1,34,978.74	35%	9,44,851.16	12%	3,23,948.97	10%	2,69,957.48
3	PCC	50%	17,99,716.50		-	28%	10,07,841.24	7%	2,51,960.31	7%	2,51,960.31
4	RCC Column footing	50%	17,99,716.50		-	20%	7,19,886.60	6%	2,15,965.98	4%	1,51,041.32
5	RCC Column & Beam	26%	7,01,889.44	10%	2,69,957.48	19%	5,12,919.20	16%	4,31,931.96	4%	1,07,982.99
6	Brickwork		-	10%	2,69,957.48		-	20%	5,39,914.95	4%	1,07,982.99
7	Plaster		-		-		-	0%	-		-
8	Finishing Work		-		-		-	0%	-		-
	Earthfilling, Internal Roads ,Landscaping		-		-		-	0%	-		-
1	Earthfilling, Internal Roads ,Landscaping		-		-		-	0%	-		-
B	MPS-20 MLD		0		-		0	0%	0		0
	Civil Work		-		-		-	0%	-		-
i	Construction of Raw Sewage Sump		0		-		0	0%	0		0
1	Site Clearance	100%	1,71,655.18		-		-	0%	-		-
2	Excavation	40%	3,43,310.36	60%	5,14,965.54		-	0%	-		-
3	PCC		-	100%	12,87,413.85		-	0%	-		-
4	RCC Foundation/Raft		-	100%	17,16,551.80		-	0%	-		-
5	Wall 50% of total lift work		-		-	50%	6,43,706.93	85%	10,94,301.77	50%	6,43,706.93
6	Walls (balance 50% of Total Lift work)		-		-		-	0%	-	100%	12,87,413.85
7	Column & Beam		-		-		-	0%	-	100%	8,58,275.90
8	Ground Floor Slab		-		-		-	0%	-		-
9	Hydro Testing /Finishing works		-		-		-	0%	-		-
ii	Construction of Raw Sewage Pump House		0		-		0	0%	0		0
1	Column & Beam		-		-		-	0%	-		-
2	Roof Slab		-		-		-	0%	-		-
3	Brickwork		-		-		-	0%	-		-

Sr. No.	Description of Items	Milestone-1 (From 15th March.'21 to 1st Sep'21)		Milestone-2 (From 2nd Sep'21 to 27th Dec'21)		Milestone-3 (From 28th Dec'21 to 25th March'22)		Achieved for 3rd Milestone		Milestone-4 (From 26th March'22 to 2nd May'22)	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
4	Plaster		-				-	0%	-		-
iii	Construction of Inlet Chamber & Screen Channel		0				0	0%	0		0
1	Site Clearance	100%	57,496.56				-	0%	-		-
2	Excavation		-				-	100%	2,87,482.80	100%	2,87,482.80
3	PCC		-		-		-	100%	4,31,224.20	100%	4,31,224.20
4	RCC Foundation/Raft		-		-		-	100%	4,31,224.20	50%	2,15,612.10
5	Wall 50% of total lift work		-		-		-	20%	86,244.84		-
6	Walls (balance 50% of Total Lift work)		-				-	0%	-		-
7	Column & Beam		-				-	0%	-		-
8	Ground Floor Slab		-		-		-	0%	-		-
9	Walkway/Platform		-				-	0%	-		-
10	Hydro Testing /Finishing works		-				-	0%	-		-
C	SEWER SYSTEM AREA		0				0	0%	0		0
1	Site Clearance		-				-	0%	-		-
2	Supply of pipes	88%	63,77,489.64	12%	8,75,758.36		-	0%	-1,450.65		-
3	Excavation and Laying of pipes including bed preperation & backfilling		-		-		-	0%	-	75%	5,09,994.00
4	Manholes		-		-		-	0%	-	75%	5,09,994.00
5	Flow Testing		-		-		-	0%	-		-
D	I & D Work						0	0%	0		0
(i)	Approach Channel						0	0%	0		0
1	Excavation		-				-	0%	-	100%	68,100.00
2	PCC		-		-		-	0%	-	100%	1,70,000.00
3	RCC Foundation/Raft		-		-		-	0%	-	100%	2,05,000.00
4	wall		-				-	0%	-		-
5	Hydro Testing /Finishing works		-				-	0%	-		-

Sr. No.	Description of Items	Milestone-1 (From 15th March.'21 to 1st Sep'21)		Milestone-2 (From 2nd Sep'21 to 27th Dec'21)		Milestone-3 (From 28th Dec'21 to 25th March'22)		Achieved for 3rd Milestone		Milestone-4 (From 26th March'22 to 2nd May'22)	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
(ii)	Inlet Chamber		0				0	0%	0		0
1	Excavation		-				-	0%	-	100%	85,900.00
2	PCC		-		-		-	0%	-	100%	2,15,000.00
3	RCC Foundation/Raft		-		-		-	0%	-	100%	2,55,000.00
4	wall		-				-	0%	-		-
5	Hydro Testing /Finishing works		-				-	0%	-		-
(iii)	Screen Channel		0				0	0%	0		0
1	Excavation		-				-	0%	-		-
2	PCC		-		-		-	0%	-		-
3	RCC Foundation/Raft		-		-		-	0%	-		-
4	wall		-		-		-	0%	-		-
5	Hydro Testing /Finishing works		-		-		-	0%	-		-
(iv)	Grit Chamber		0				0	0%	0		0
1	Excavation		-				-	0%	-		-
2	PCC		-		-		-	0%	-		-
3	RCC Foundation/Raft		-		-		-	0%	-		-
4	wall		-		-		-	0%	-		-
5	Hydro Testing /Finishing works		-		-		-	0%	-		-
(v)	Collection Chamber		0				0	0%	0		0
1	Excavation		-				-	0%	-		-
2	PCC		-		-		-	0%	-		-
3	RCC Foundation/Raft		-		-		-	0%	-		-
4	wall		-		-		-	0%	-		-
5	Hydro Testing /Finishing works		-		-		-	0%	-		-
E	EFFLUENT DISPOSAL SYSTEM		0				0	0%	0		0

Sr. No.	Description of Items	Milestone-1 (From 15th March.'21 to 1st Sep'21)		Milestone-2 (From 2nd Sep'21 to 27th Dec'21)		Milestone-3 (From 28th Dec'21 to 25th March'22)		Achieved for 3rd Milestone		Milestone-4 (From 26th March'22 to 2nd May'22)	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
			-				-	0%	-		-
1	Site Clearance		-				-	0%	-		-
2	Construction of Effluent Channel		-				-	0%	-		-
F	E&M WORK		-				-		-		-
i)	GRIT CHAMBER AREA		-				-		-		-
	A.On supply - Grit Scraper Mechanism		-		-	100%	18,28,000.00	100%	18,28,000.00		-
	B.On Installation - Grit Scraper Mechanism		-				-		-		-
ii)	SLUDGE THICKENER AREA		-				-		-		-
	A.Supply - Sludge Thickener		-		-	100%	7,04,000.00	100%	7,04,000.00		-
	B.Installation - Sludge Thickener		-				-		-		-
iii)	TRANSFORMER YARD AREA		-				-		-		-
	A.Supply - Transformer		-				-		-		-
	B.Installation - Transformer		-				-		-		-
iv)	DG SHED AREA		-				-		-		-
	A.Supply - DG		-				-		-		-
	B.Installation - DG		-				-		-		-
v)	MEP		-				-		-		-
	A.Supply - Screen		-		-		-		-	100%	33,44,000.00
	B.Installation - Screen		-				-		-		-
	C.Supply - Hoist		-		-	100%	4,68,000.00	100%	4,68,000.00		-
	D.Installation - Hoist		-				-		-		-
	E.Supply - Pumps & Motors(MEP)		-		-		-		-	50%	34,72,000.00
	F.Installation - Pumps & Motors(MEP)		-				-		-		-
	G.Supply - Gates		-				-		-		-
	H.Supply - Valves(MPS)		-				-		-	100%	11,44,000.00

Sr. No.	Description of Items	Milestone-1 (From 15th March.'21 to 1st Sep'21)		Milestone-2 (From 2nd Sep'21 to 27th Dec'21)		Milestone-3 (From 28th Dec'21 to 25th March'22)		Achieved for 3rd Milestone		Milestone-4 (From 26th March'22 to 2nd May'22)	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	I.Installation - Gate & Valves(MPS)		-				-		-		-
	J.Installation - Gate & Valves(MPS)		-				-		-		-
	K.Supply Instruments(like flow meter, Guages, level, Transmitter)		-				-		-		-
	L.Installation - Instruments(like flow meter, Guages, level, Transmitter)		-				-		-		-
vi)	INLET CHAMBER AREA		-				-		-		-
	A.Supply - Gates		-				-		-		-
	B.Supply - Valves(STP)		-				-		-	100%	9,24,000.00
	C.Installation - Gates		-				-		-		-
	D.Installation - Valves(STP)		-				-		-		-
vii)	FINE SCREEN AREA		0						0		0
	A.On supply -Fine Screen		-				-		-	100%	14,08,000.00
	B.On Installation -Fine Screen		-				-		-		-
viii)	SBR BASIN AREA		-				-		-		-
	A..On supply - Decanter Equipment		-	100%	74,52,000.00		-		-		-
	B..Installation - Decanter Equipment		-				-		-		-
	C.On supply - Diffuser		-	100%	84,92,000.00		-		-		-
	D.On Installation - Diffuser		-				-		-		-
	E.On supply - RAS Pump, SAS Pump		-		-		-		-		-
	F.On Installation - RAS Pump, SAS Pump		-				-		-		-
	G.On supply - Chain Pulley Block		-		-		-		-		-
	H.On Installation - Chain Pulley Block		-				-		-		-
ix)	AIR BLOWER ROOM		-				-		-		-
	A.Supply - Blower		-		-		-		-		-

Sr. No.	Description of Items	Milestone-1 (From 15th March.'21 to 1st Sep'21)		Milestone-2 (From 2nd Sep'21 to 27th Dec'21)		Milestone-3 (From 28th Dec'21 to 25th March'22)		Achieved for 3rd Milestone		Milestone-4 (From 26th March'22 to 2nd May'22)	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	B. Installation - Blower		-				-		-		-
	C.Supply - Hoist Work		-		-		-		-	100%	4,60,000.00
	D.Installation - Hoist Work		-				-		-		-
x)	CHLORINATION ROOM AREA		-				-		-		-
	A.Supply - Chlorination system(Dosing pumps, chlorinators, Tonnes, Chemicals & Piping work		-		-		-	100%	12,76,000.00		-
	B. Installation - Chlorination system(Dosing pumps, chlorinators, Tonnes, Chemicals & Piping work		-				-		-		-
	C.Supply - Chlorine Nutrilisation Tank		-				-		-		-
	D.Installation - Chlorine Nutrilisation tank		-				-		-		-
	E.Supply - Hoist Work		-				-		-		-
	F.Installation - Hoist Work		-				-		-		-
xi)	CENTRIFUGE HOUSE & FEED PUMP AREA		-				-		-		-
	A.On supply -Centrifuge		-				-		-		-
	B.On supply -Centrifuge Feed Pump		-			83%	18,69,086.47		-	18%	3,96,913.53
	C.On Installation -Centrifuge		-				-		-		-
	D.On Installation -Centrifuge Feed Pump		-				-		-		-
xii)	ADMN BUILDING AREA		-				-		-		-
	A.Supply - LT/HT Panel		-				-		-		-
	B.Installation - LT/HT Panel		-				-		-		-
	C.Supply - PLC/SCADA Automation		-				-		-		-
	D.Installation - PLC/SCADA Automation		-				-		-		-
xiii)	Cable Tray & Earthing work		-				-		-		-
	A.Supply - cable Tray/Earthing material		-				-		-		-
	B.Installation - Cable Tray/Earthing material		-				-		-		-

Sr. No.	Description of Items	Milestone-1 (From 15th March.'21 to 1st Sep'21)		Milestone-2 (From 2nd Sep'21 to 27th Dec'21)		Milestone-3 (From 28th Dec'21 to 25th March'22)		Achieved for 3rd Milestone		Milestone-4 (From 26th March'22 to 2nd May'22)	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
xiv)	External Electrification (lighting & Pole)		-				-		-		-
	A.Supply		-				-		-		-
	B.Installation		-				-		-		-
xv)	TESTING OF E&M EQUIPMENT FOR STP & MPS		-				-		-		-
xvi)	EQUIPMENT TOOLS & MISC.		-				-		-		-
III	TRIAL RUN & COMMISSIONING		0								0
1	Trial Run & Commissioning		0								
			266,18,775		266,18,775		266,18,775		239,04,133		266,18,775

Photographs of Shuklaganj STP



Steel binding is in progress of CCT



Admin building cum blower room foundation & Column



Staff Quarter shuttering works



PTU excavation works



Sludge Thickener



Supernatant Sump



MPS



Inlet Chamber

7. PRESENT STATUS AND ISSUES OF EXISTING STPS

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

Schedule handing over date for 130 MLD Jajmau phase-I facilities is same as Effective date (11.10.2019) as per CA but the plant could be handed over to KRMPL on 01/03/2021 only for renovation and O & M for 15 years, due to labour problem.

As per CA COD for 130 MLD Jajmau Phase-I and 43 MLD Jajmau phase-II was same as per CA, which has been separated by NMCG vide letter no.F.No.pr-12012/7/2018/PPP/NMCG dated 02.08.2021.

- CSPS Jajmau handed over to KRMPL on 01.03.2021
- Nawabganj IPS handed over to KRMPL on 28.06.2021
- Baba Ghat IPS handed over to KRMPL on 28.06.2021
- Parmat Ghat handed over to KRMPL on 23.07.2021
- Guptar Ghat IPS handed over to KRMPL on 23.07.2021
- **CSPS Jajmau**
 1. Overflow condition was found at 12.02.22, 21.02.22 and 22.02.22 at CSPS Jajmau.
 2. Mechanical screen no. 01 is not functional since 18.02.22 and its need to be replaced.
 3. CCTV cameras need to be installed at site.
 4. 3 no. out of 7 pumps is not in working condition.
 5. KRMPL has not replaced all pumps under renovation plan.
 6. KRMPL is not doing maintain proper O&M during renovation period.
 7. Proper maintenance of CSPS is not doing by KRMPL.
 8. Documentations and Log book of pumps, DG set are not maintaining by KRMPL.
 9. Transformer foundation for 630KVA work is completed without getting permission or drawing design approval from UPJN/STC.
- **Nawabganj IPS**
 1. This IPS is in overflow/Bypass condition since Handover.
 2. KRMPL did not take any necessary action to preventing overflow condition.
 3. Pumps 3 Nos. have received on 31.12.2021 at site for pump house 02. During site visit at 18.01.2022 it was found that raw sewage pumps are unavailable. KRMPL operator informed to UPJN/STC team that raw sewage pumps got submergence during the installation period. They were refurbished/ repaired and delivered to site on 15.02.2022. Raw sewage pumps and motors of Pump house No. 2 were found at site but KRMPL has not installed them yet.
 4. New pumps should be installed at site on urgent basis.
 5. Only 2 no. out of 3 pumps is in running condition for pump house 01.
 6. Material Inward and outward registers has not maintained properly by KRMPL.
 7. Log book of pumps and DG set are not being maintained by KRMPL.
 8. KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for proper O&M of IPS and attendance register manipulated staff details.
- **Baba Ghat IPS**
 1. 100% Overflow condition was found during inspection on 25.02.2022.
 2. Material Inward and outward registers has not maintained properly by KRMPL.
 3. Log book of pumps and DG set are not being maintained by KRMPL.
 4. KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for

proper O&M of IPS and attendance register manipulated staff details.

- **Guptar Ghat IPS**

1. During visit of 25.02.2022 it was found that there is wet condition in overflow channel, indicating that GuptarGhat was also in overflow condition shortly before our visit.
2. 1 no. out of 4 pumps is not in working condition since handover.
3. Material Inward and outward registers has not maintained properly by KRMPL.
4. Log book of pumps and DG set are not being maintained by KRMPL.
5. KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for proper O&M of IPS and attendance register manipulated staff details.

- **Parmat IPS**

1. Under renovation work plastering work, painting work, cracks repairing work are doing by KRMPL for Inlet chamber, Pump houses 1,2 and 3 Nos., DG set room and Panel room but quality of work is very poor.
2. New pumps 3 Nos. with motors (1320 cum/hr) for Pump house no. 2 have been received at site on 18.02.22, 19.02.22 and 21.02.22 but their installation work has not started yet.
3. This IPS is not overflow/Bypass condition.
4. KRMPL is not maintaining proper O&M work during renovation period.
5. Material Inward and outward registers has not maintained properly by KRMPL.
6. Log book of pumps and DG set are not being maintained by KRMPL.
7. KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for proper O&M of IPS and attendance register manipulated staff details.

JAJMAU (PHASE – 1) 130 MLD STP

- O&M of 130 MLD STP plant Phase 1 and their facilities found unsatisfactory during site visit of NMCG, SMCG, CPCB, UPPCB, District level Officials UPJN and STC officials and intimate to KRMPL taken necessary action to avoid overflow/Bypass condition.
- NMCG officials, SMCG and UPJN intimate to KRMPL many time to operate proper 130 MLD plant and their facilities and maintains all records because (Magh Mela) is start from January 2022 to March 2022.

The KRMPL has submitted a renovation work plan from 10-may-2021 to 9-Aug-2022 which has been approved by UPJN. Milestones are to be completed as below:-

1. 1ST Milestone, (Duration 10th May 2021 to 15th Oct 2021)
Scheduled Progress Percentage- 25%
2. 2nd Milestone, (Duration 16th Oct 2021 to 15th March 2021)
Scheduled Progress Percentage- 25%
3. 3rd Milestone ,(Duration 16th March 2022 to 15th June 2022)
Scheduled Progress Percentage- 25%
4. 4th Milestone ,(Duration 16th June 2022 to 9th August 2022)
Scheduled Progress Percentage- 25%

The KRMPL shall submit the draft O&M manual at least 30 days prior to the Scheduled Construction Completion date for its review and approval. The KRMPL has submitted the

list of adequate staff deployed for proper renovation and O&M of 130 MLD Jajmau phase-I facilities, which is not properly qualified & experienced. KRMPL has submitted IIT Kanpur lab result for 29.01.22 enclosed separately.

MILESTONE WISE ACTIVITIES AND PROGRESS: - RENOVATION OF 130MLD STP JAJMAU FACILITIES

- The Duration of 1st milestone was 10th may 2021 to 15th Oct 2021 as per approved renovation plan.
- The Duration of 1st milestone was 10th may 2021 to 15th Oct 2021 as per approved renovation plan.
- KRMPL could not complete the 1st milestone as per approved renovation plan. Completion certificate has been recommended form PE for 1st milestone with considering part of 1st, 2nd, 3rd and 4th Milestone vide letter no. STC 1289A dated 27.11.2021
- Total 39 Nos. of manpower/workers for Civil Work and 21 Nos. of Manpower for Mechanical works are deployed at the site for renovation work. KRMPL need to increase manpower over 70 to 90Nos. to achieve the target on time as per approved renovation plan.
- Till date overall progress is **46.84 %** out of target **47.50%** as on 28 February 2022.
- Bio remediation work started form 28.1.2022 by KRMPL.
- PST 02 commissioned on 29.01.2022 after completion of Civil and Mechanical works.
- FST 02 commissioned on 05.02.2022 after completion of Civil and Mechanical works.
- FST no. 1 Mechanical Bridge collapsed on 15.01.2022.KRMPL need to renovated FST 01 on urgent basis.
- Renovation work has not done by KRMPL as per approved renovation plan taken 1 stream at a time.
- NMCG has also instructed KRMPL to follow approved renovation plan or submit revised renovation plan.
- Retrofication of Collection chamber, Fine screen chamber, Grit chamber, Parshall flume, Distribution chamber, Primary sedimentation tank -1,Secondary sedimentation tank -1,Blending tank, Sludge Thickener-1& 2,Thickened sludge sump, Primary and Secondary sludge digester, Digester pumping station, Distribution chamber for Aeration tank Return sludge sump ,Return sludge pump house ,MCC panel room, DFG panel room, Centrifuge building for civil work and Mechanical work is in progress.
- Utility shifting estimation amount has been already released by NMCG to UPJN with vide NMCG letter No F.No. Pr-12012/7/2018/PPP/NMCG dated 25.11.2021
- KRMPL has started excavation work of new TEPH, Chlorination tank on 23.02.22, 24.02.22 without shifting any utilities.
- **Summary and Milestone wise activities and their progress of work for 130MLD STP Jajmau Phase-1 facilities are given in below table**

Summary of overall progress at 130MLD STP JAJMAU PHASE-1 FACILITIES

Milestone	Schedule Completion date	Actual Completion date	Milestone Amount	Targeted progress till 28.02.2022		
				Milestone Amount	% Target	% Achieved
1 st Milestone	15.10.2021	15.10.2021	240160000.00	176920108	25%	18.42%
2 nd milestone	15.03.2022	15.03.2022	240160000.00	151576050	25%	15.78%
3 rd milestone	15.06.2022		240160000.00	91113316	25%	9.48%
4 th milestone	09.08.2022		240160000.00	60710527	25%	6.32%
Overall progress	960640000.000			480320000	100%	50%
Total %	100%				100%	50%

Milestone wise activities and their progress of work for 130MLD STP Jajmau Phase-1 facilities are given in above Table.

Table 7.1: Milestone wise progress – 130 MLD Jajmau Phase I STP

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
I	Design & Drawing of STP																
i.	On approval of BEP	100 %	480,32,000.00	100 %	48032000.00				-				-				-
ii.	On approval of design & drawings for Civil works	25%	120,08,000.00	25 %	12008000.00	75%	360,24,000.00	65%	312,20,800.00				-				-
									-				-				-
II	REHABILITATION/RENOVATION OF EXISTING STP & IPSs																
A.	Civil Work																
i.	Retrofication for Collection chamber	100 %	51,87,456.00	100 %	5187456.00				-				-				-
ii.	Retrofication for Fine Screen Channel(Mechanical)	35%	63,54,633.60	35 %	6354633.60	30%	54,46,828.80	30%	54,46,828.80	35%	63,54,633.60	35 %	63,54,633.60				-
iii.	Retrofication for Fine Screen Channel(Manual)	100 %	51,87,456.00	100 %	5187456.00				-				-				-
iv.	Retrofication for Grit Chamber	35%	63,54,633.60	35 %	6354633.60	30%	54,46,828.80	30%	54,46,828.80	35%	63,54,633.60	35 %	63,54,633.60				-

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
v.	Retrofication for Parshall Flume	100 %	51,87,456.00	100 %	5187456.00	-	-	-	-	-	-	-	-	-	-	-	-
vi.	Retrofication for Distribution Chamber for Primary Clarifier	100 %	51,87,456.00	100 %	5187456.00	-	-	-	-	-	-	-	-	-	-	-	-
vii.	Retrofication for Primary Sedimentation Tank	35%	63,54,633.60	35 %	6354633.60	30%	54,46,828.80	15%	27,23,414.40	35%	63,54,633.60	-	-	-	-	-	-
viii.	Retrofication for Distribution chamber for Aeration Tank	100 %	51,87,456.00	100 %	5187456.00	-	-	-	-	-	-	-	-	-	-	-	-
ix.	Retrofication for Aeration Tank	30%	54,46,828.80	-	-	35%	63,54,633.60	-	-	35%	63,54,633.60	-	-	-	-	-	-
x.	Retrofication for Distribution Chamber for final Sedimentation Tank	100 %	51,87,456.00	50 %	2593728.00	-	-	-	-	-	-	-	-	-	-	-	-
xi.	Retrofication for final Sedimentation Tank	30%	54,46,828.80	30 %	5446828.80	35%	63,54,633.60	20%	36,31,219.20	35%	63,54,633.60	-	-	-	-	-	-
xii.	Retrofication for Blending Tank	100 %	51,87,456.00	100 %	5187456.00	-	-	-	-	-	-	-	-	-	-	-	-
xiii.	Retrofication for Gravity Sludge Thickener	-	-	-	-	50%	90,78,048.00	50%	90,78,048.00	50%	90,78,048.00	40 %	72,62,438.40	-	-	-	-

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
xiv.	Retrofication for Thickened Sludge Sump	-				100 %	51,87,456.00	100%	51,87,456.00	-		-		-		-	
xv.	Retrofication for Primary Sludge Digestor	-				50%	90,78,048.00	50%	90,78,048.00	50%	90,78,048.00	-		-		-	
xvi.	Retrofication for Secondary Digestor	-				100 %	77,81,184.00	26.5 6%	20,66,458.90	-		-		-		-	
xvii.	Retrofication for Digested Sludge Sump	-				100 %	51,87,456.00	100%	51,87,456.00	-		-		-		-	
xviii.	Retrofication for Gas Holder	-				50%	25,93,728.00	50%	25,93,728.00	50%	25,93,728.00	-		-		-	
xix.	Retrofication for Return Sludge Sump	-				100 %	51,87,456.00	100%	51,87,456.00	-		-		-		-	
xx.	Retrofication for Centrate/Supernatant Sump	-				100 %	51,87,456.00	100%	51,87,456.00	-		-		-		-	
xxi.	Retrofication for MCC Panel Room	-				50%	38,90,592.00	50%	38,90,592.00	50%	38,90,592.00	20 %	15,56,236.80	-		-	
xxii.	Retrofication for Gas Engine Room	-				50%	38,90,592.00	50%	38,90,592.00	50%	38,90,592.00	20 %	15,56,236.80	-		-	
xxiii.	Retrofication for Return Sludge Pump House	-				50%	38,90,592.00	50%	38,90,592.00	50%	38,90,592.00	50 %	38,90,592.00				-
xxiv.	Retrofication for Thickened Sludge Pumping Station	-				50%	38,90,592.00	50%	38,90,592.00	50%	38,90,592.00	50 %	38,90,592.00	-			-

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
xxv.	Retrofication for Digested Sludge Pump Station		-			50%	25,93,728.00	50%	25,93,728.00	50%	25,93,728.00	50%	25,93,728.00		-		-
xxvi.	Retrofication for Centrifuge building/belt filter press bldg		-			50%	51,87,456.00	50%	51,87,456.00	50%	51,87,456.00	50%	51,87,456.00				-
xxvii.	Retrofication for Digester Sludge Pumping Station (Building)		-			50%	25,93,728.00	50%	25,93,728.00	50%	25,93,728.00	50%	25,93,728.00		-		-
xxviii.	Retrofication for Biogas Compressor Room		-				-		-	50%	25,93,728.00	50%	25,93,728.00	50%	25,93,728.00	50%	25,93,728.00
xxix.	Retrofication for Gas Flaring Unit		-				-		-	50%	12,96,864.00	50%	12,96,864.00	50%	12,96,864.00	45%	11,67,177.60
xxx.	Retrofication for Cooling Tower		-				-		-	50%	6,48,432.00	50%	6,48,432.00	50%	6,48,432.00	50%	6,48,432.00
xxxi.	Retrofication for Scrubber Unit		-				-		-	50%	6,48,432.00		-	50%	6,48,432.00		-
B.	Mechanical Work(Renovatio n/New Procurement)																
i.	Mechanical Fine Screen - Supply	80%	62,24,947.20	80%	62,24,947.20		-		-		-		-		-		-
ii.	Mechanical Fine Screen - Installation	7.0%	5,44,682.88	7%	5,44,682.88	7.0%	5,44,682.88	7%	5,44,682.88	6%	4,66,871.04	6%	4,66,871.04		-		-

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
iii.	Manual Fine Screen - Supply	80%	41,49,964.80	80%	41,49,964.80	-	-	-	-	-	-	-	-	-	-	-	-
iv.	Manual Fine Screen - Installation	20%	10,37,491.20	20%	10,37,491.20	-	-	-	-	-	-	-	-	-	-	-	-
v.	Grit Mechanism - Supply	80%	62,24,947.20	80%	62,24,947.20	-	-	-	-	-	-	-	-	-	-	-	-
vi.	Grit Mechanism - Installation	7.00%	5,44,682.88	7%	5,44,682.88	6.0%	4,66,871.04	6%	4,66,871.04	7%	5,44,682.88	7%	5,44,682.88	-	-	-	-
vii.	Primary Clarifier Mechanism - Supply	-	-	-	-	80%	62,24,947.20	53%	41,55,152.26	-	-	-	-	-	-	-	-
viii.	Primary Clarifier Mechanism - Installation	-	-	-	-	9%	7,00,306.56	6%	4,66,871.04	11%	8,55,930.24	-	-	-	-	-	-
ix.	Surface Aerator - Supply	25%	64,84,320.00	25%	64,84,320.00	25%	64,84,320.00	2%	5,18,745.60	30%	77,81,184.00	-	-	-	-	-	-
x.	Surface Aerator - Installation	6.5%	16,86,883.84	6.0%	15,56,236.80	6.22%	16,11,953.92	-	-	7.3%	18,88,233.98	-	-	-	-	-	-
xi.	FST Mechanism - Supply	-	-	-	-	40%	41,49,964.80	40.0%	41,49,964.80	40%	41,49,964.80	13%	13,90,238.21	-	-	-	-
xii.	FST Mechanism - Installation	-	-	-	-	-	-	-	-	20%	20,74,982.40	6%	6,22,494.72	-	-	-	-
xiii.	Return Sludge Pumps - Supply	-	-	-	-	40%	41,49,964.80	40%	41,49,964.80	40%	41,49,964.80	40%	41,49,964.80	-	-	-	-

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
xiv.	Return Sludge Pumps - Installation		-		-				-				-	20 %	20,74,982.40	20%	20,74,982.40
xv.	Gravity Thickener Mechanism - Supply		-		-		-		-	80%	82,99,929.60	40 %	41,49,964.80				-
xvi.	Gravity Thickener Mechanism - Installation		-		-				-				-	20 %	20,74,982.40	10%	10,37,491.20
xvii.	Digester Feed Pumps - Supply	60%	62,24,947.20		-	20%	20,74,982.40		-		-		-		-		-
xviii.	Digester Feed Pumps - Installation		-		-	20%	20,74,982.40		-		-		-		-		-
xix.	Sludge Digester Mixer - Primary - Supply	80%	41,49,964.80		-		-		-		-		-		-		-
xx.	Sludge Digester Mixer - Primary - Installation		-		-	20%	10,37,491.20		-		-		-		-		-
xxi.	Digester Sludge Recirculation Pump - Supply		-		-	80%	41,49,964.80		-		-		-		-		-
xxii.	Digester Sludge Recirculation Pump - Installation		-		-		-		-		-		-	20 %	10,37,491.20		-
xxiii.	Digester Sludge Heating System and Ancillary Equipment-Supply		-		-	80%	41,49,964.80		-		-		-		-		-

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
xxiv.	Digester Sludge Heating System and Ancilliary Equipment- Installation	-		-		-		-		-		-		20 %	10,37,491.20	-	
xxv.	Digested Sludge /Centrifuge Feed Pumps - Supply	-		-		80%	41,49,964.80	-		-		-				-	
xxvi.	Digested Sludge /Centrifuge Feed Pumps - Installation	-		-				-		20%	10,37,491.20	-		-		-	
xxvii.	Centrifuge Machine - Supply	-		-		-		-		80%	41,49,964.80	-				-	
xxviii.	Centrifuge Machine - Installation	-		-				-				-		20 %	10,37,491.20	-	
xxix.	Supertanant Pumps - Supply	80%	41,49,964.80	-		-		-		-		-		-		-	
xxx.	Supertanant Pumps - Installation	-		-		20%	10,37,491.20	-		-		-		-		-	
xxxi.	Gas Scrubber with ancilliary equipment - Supply	-		-		-		-		-		-		80 %	41,49,964.80	-	
xxxii.	Gas Scrubber with ancilliary equipment - Installation	-		-		-		-		-		-		20 %	10,37,491.20	-	
xxxiii.	Gas Engine with ancilliary	-		-		-		-		-		-		80 %	41,49,964.	-	

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	equipment - Supply														80		
xxxiv.	Gas Engine with ancilliary equipment - Installation	-		-		-		-		-		-		20 %	10,37,491.20		-
xxxv.	Gas Flaring System - Supply	-		-		-		-		-		-		80 %	41,49,964.80		-
xxxvi.	Gas Flaring System - Installation	-		-		-		-		-		-		20 %	10,37,491.20		-
xxxvii.	Agitator for blending tank - Supply	80%	41,49,964.80	80 %	41,49,964.80			-				-					-
xxxviii.	Agitator for blending tank - Installation	-		-		-		-		20%	10,37,491.20	20 %	10,37,491.20				-
xxxix.	Agitator for Digester Feed Sump - Supply	80%	41,49,964.80	-				-				-					-
xxxx.	Agitator for Digester Feed Sump - Installation	-		-		-		-		20%	10,37,491.20	-					-
xxxxi.	Agitator for Centrifuge Feed Sump - Supply	80%	41,49,964.80	-		-		-		-		-		-			-
xxxxii.	Agitator for Centrifuge Feed Sump - Installation	-		-		-		-		20%	10,37,491.20	-		-			-
xxxxiii.	Agitator for Poly Dosing Tank -	80%	41,49,964.	-		-		-		-		-		-			-

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	Supply		80														
xxxxiv.	Agitator for Poly Dosing Tank - Installation	-		-		-		-		20%	10,37,491. 20	-		-		-	
xxxxv.	Poly Dosing Pumps - Supply	80%	41,49,964. 80	-		-		-		-		-		-		-	
xxxxvi.	Poly Dosing Pumps - Installation	-		-		-		-		20%	10,37,491. 20	-		-		-	
xxxxvii.	Valves - Supply	-		-		-		-		80%	82,99,929. 60	25 %	25,93,728. 00	-		-	
xxxxviii .	Valves - Installation	-		-		-		-		10%	10,37,491. 20	5%	5,18,745.6 0	10 %	10,37,491. 20	-	
xxxxix.	Gates (Open Channel) - Supply	-		-		-		-		80%	82,99,929. 60	60 %	62,24,947. 20	-		-	
xxxxx.	Gates (Open Channel) - Installation	-		-		-		-		10%	10,37,491. 20	12 %	12,44,989. 44	10 %	10,37,491. 20	-	
xxxxxi.	Existing Duel Fuel Generators	-		-				-				-		100 %	51,87,456. 00	-	
xxxxxii.	Gas Holder Dome- Fabrication	-		-				-				-		100 %	51,87,456. 00	100.0 0%	51,87,456. 00
xxxxxiii .	Borewell Pump - Supply	-		-		80%	41,49,964. 80	-		-		-		-		-	
xxxxxiv .	Borewell Pump - Installation	-		-		-		-		20%	10,37,491.	10 %	5,18,745.6	-		-	

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
											20		0				
xxxxxv.	Service Water Pump - Supply	80%	41,49,964.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-
xxxxxvi.	Service Water Pump - Installation		-		-	20%	10,37,491.20		-		-		-		-		-
xxxxxvi i.	Overhead Tank - Supply		-		-		-		-		-		-	80%	41,49,964.80		-
xxxxxvi ii.	Overhead Tank - Erection		-		-		-		-		-		-	20%	10,37,491.20		-
xxxxxix.	Dewatering Pump for Dry well - Supply		-		-	80%	41,49,964.80		-		-		-		-		-
xxxxxx.	Dewatering Pump for Dry well - Erection		-		-	10%	5,18,745.60		-	10%	5,18,745.60		-		-		-
xxxxxxi.	Monorail for lifting arrangement - Supply	80%	41,49,964.80	80%	41,49,964.80				-				-				-
xxxxxxi i.	Monorail for lifting arrangement - Installation	20%	10,37,491.20	20%	10,37,491.20				-				-				-
xxxxxxi ii.	DI Pipes & Fittings - Supply		-		-	40%	20,74,982.40	10%	5,18,745.60	40%	20,74,982.40		-				-
xxxxxxi v.	DI Pipes & Fittings - Installation		-		-			1%	51,874.56	20%	10,37,491.20		-				-

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
xxxxxx v.	MS Pipes & Fittings - Supply	-		-		40%	20,74,982.40	-		40%	20,74,982.40	-				-	
xxxxxx vi.	MS Pipes & Fittings - Erection	-		-				-		20%	10,37,491.20	-				-	
xxxxxx vii.	SS Pipes & Fittings - Supply	-		-		40%	20,74,982.40	10%	5,18,745.60	40%	20,74,982.40	-				-	
xxxxxx viii.	SS Pipes & Fittings - Erection	-		-				-		20%	10,37,491.20	1%	51,874.56			-	
xxxxxx ix.	Lab Equipment - Supply	-		-				-				-		80%	41,49,964.80	-	
xxxxxx x.	Lab equipment-Installation	-		-				-				-		20%	10,37,491.20	-	
xxxxxx xi.	Testing & Commissioning for Mechanical Items	-		-				-		-		-		100%	129,68,640.00	30.00%	38,90,592.00
C.	Electrical Work(Renovation/New Procurement)																
i.	Supply of DP structure			-		-		-				-		80%	38,42,560.00	80%	38,42,560.00
ii.	Installation of DP structure			-		-		-				-		20%	9,60,640.00	10%	4,80,320.00
iii.	Supply of HT Metering Panel			-				-		-		-		80%	38,42,560.		-

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
															00		
iv.	Installation of HT Metering Panel				-				-		-		-	20 %	9,60,640.00		-
v.	Supply of HT VCB panel				-				-		-		-	80 %	76,85,120.00	80%	76,85,120.00
vi.	Installation of HT VCB panel				-				-		-		-	20 %	19,21,280.00		-
vii.	Supply of Transformer	80%	76,85,120.00	80 %	76,85,120.00				-				-		-		-
viii.	Installation of Transformer				-				-	20%	19,21,280.00	20 %	19,21,280.00		-		-
ix.	Supply of Main PCC panel	80%	76,85,120.00		-				-				-		-		-
x.	Installation of Main PCC panel				-				-	20%	19,21,280.00		-		-		-
xi.	Supply of Other equipments panel (MCC-2 PANEL)/Bar screen panel/Thickener Panel				-				-				-	80 %	76,85,120.00	10%	9,60,640.00
xii.	Installation of Other equipments panel (MCC-2				-				-				-	20 %	19,21,280.00	1%	96,064.00

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	PANEL)/Bar screen panel/Thickener Panel																
xiii.	Supply of Digester system panel (MCC-3 PANEL)				-				-				-	80 %	76,85,120. 00		-
xiv.	Installation of Digester system panel (MCC-3 PANEL)				-				-				-	20 %	19,21,280. 00		-
xv.	Supply of APFCR panel with AL reactor				-				-				-	80 %	38,42,560. 00		-
xvi.	Installation of APFCR panel with AL reactor				-				-				-	20 %	9,60,640.0 0		-
xvii.	Supply of Aerators & Other equipment panel (MCC-1 PANEL)				-				-				-	80 %	38,42,560. 00		-
xviii.	Installation of Aerators & Other equipment panel (MCC-1 PANEL)				-				-				-	20 %	9,60,640.0 0		-
xix.	Supply of LPBS for Motors				-		-		-				-	80 %	38,42,560. 00		-
xx.	Installation of LPBS for Motors				-		-		-				-	20 %	9,60,640.0 0		-
xxi.	Supply of Cable Tray				-				-		-		-	80 %	38,42,560.	80%	38,42,560.

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
															00		00
xxii.	Installation of Cable Tray				-				-		-		-	20 %	9,60,640.00	10%	4,80,320.00
xxiii.	Supply of LT Cable				-				-		-		-	80 %	38,42,560.00	80%	38,42,560.00
xxiv.	Installation of LT Cable				-				-		-		-	20 %	9,60,640.00	8%	3,84,256.00
xxv.	Supply of Street Light Fixture				-				-		-		-	80 %	38,42,560.00	72%	34,58,304.00
xxvi.	Installation of Street Light Fixture				-				-		-		-	20 %	9,60,640.00	18%	8,64,576.00
xxvii.	Earthing Work				-				-		-		-	100 %	48,03,200.00	80%	38,42,560.00
xxviii.	Testing & Commissioning for Electrical Items		-		-				-		-		-	100 %	48,03,200.00	40%	19,21,280.00
D.	SUMP CUM PUMP HOUSE (200 MLD)																
a.	CIVIL WORK																
i.	Excavation	100 %	17,53,168.00				-										
ii.	PCC	100 %	35,06,336.00				-										

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
iii.	Raft Foundation/Raft	-				100 %	52,59,504. 00							-			
iv.	Column & Beam work	-				100 %	52,59,504. 00							-			
v.	Wall 50% of total lift work	-				-				100 %	52,59,504. 00			-			
vi.	Walls (balance 50% of Total Lift work)	-				-				100 %	52,59,504. 00			-			
vii.	Ground Floor Slab	-				-				100 %	17,53,168. 00			-			
viii.	Roof Slab	-				-				100 %	17,53,168. 00			-			
ix.	Brickwork & Plaster	-				-				-				100 %	35,06,336. 00		
x.	Finishing Work	-				-				-				100 %	17,53,168. 00		
b.	MECHANICAL WORK																
	PUMPING SYSTEM																
	(i) On supply of machinery/equip ment at site									60%	138,33,216 .00	36 %	8383767.2 7	40 %	92,22,144. 00		
	(ii) On completion of erection works													100 %	43,22,880. 00	6%	259372.80

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	(iii) On completion of Testing of equipment													100 %	14,40,960.00		
	EOT/HOIST WORKS																
	(i) On supply of machinery/equipment at site									100 %	61,48,096.00	80 %	4918476.80				
	(ii) On completion of erection works													100 %	11,52,768.00		
	(iii) On completion of Testing of equipment													100 %	3,84,256.00		
	ELECTRICAL WORK																
	(i) On supply of machinery/equipment at site									100 %	49,95,328.00	50 %	2497664.00				
	(ii) On completion of erection works													100 %	9,36,624.00		
	(iii) On completion of Testing of equipment													100 %	3,12,208.00		
									-				-				-

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
E.	Chlorination Tank Area																
i.	Excavation	100 %	4,80,320.0 0														
i.	PCC	100 %	9,60,640.0 0														
ii.	RCC Foundation/Raft		-			100 %	14,40,960. 00										
iii.	Wall 50% of total lift work		-			100 %	19,21,280. 00										
iv.	Walls (balance 50% of Total Lift work)		-				-			100 %	19,21,280. 00						
v.	Baffle Walls work		-				-			100 %	9,60,640.0 0						
vi.	Brickwork & Plaster		-				-			100 %	14,40,960. 00				-		
ix.	Finishing Work		-											100 %	4,80,320.0 0		
F	Chlorination Room Area																
i.	Excavation	100 %	4,80,320.0 0														
i.	PCC	100 %	9,60,640.0 0														

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
ii.	RCC Foundation/Colu mn Footing		-			100 %	14,40,960. 00										
iii.	Column & Beam work		-			100 %	19,21,280. 00										
iv.	Ground Floor Slab		-				-			100 %	19,21,280. 00						
v.	Roof Slab		-				-			100 %	9,60,640.0 0						
vi.	Brickwork		-				-			100 %	9,60,640.0 0				-		
ix.	Plaster		-							100 %	4,80,320.0 0				-		
x.	Finishing Work		-											100 %	4,80,320.0 0		
a.	MECHANICAL WORK																
	CHLORINATION SYSTEM																
	(i) On supply of machinery/equip ment at site										-			100 %	207,49,824 .00	50%	10374912. 00
	(ii) On completion of erection works													100 %	38,90,592. 00		
	(iii) On completion of Testing of													100 %	12,96,864. 00		

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	equipment																
	HOIST WORKS																
	(i) On supply of machinery/equip ment at site									100 %	34,58,304. 00	80 %	2766643.2 0				
	(ii) On completion of erection works													100 %	6,48,432.0 0		
	(iii) On completion of Testing of equipment													100 %	2,16,144.0 0		
	ELECTRICAL & INSTRUMENTATI ON WORK																
	(i) On supply of machinery/equip ment at site									100 %	57,63,840. 00						
	(ii) On completion of erection works													100 %	10,80,720. 00		
	(iii) On completion of Testing of equipment													100 %	3,60,240.0 0		
III.	RENOVATION WORK for IPS (4 nos) & CSPS (1no)																
a.i.	Civil Works																

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
									-				-				-
	(i) Nawabganj IPS								-				-				-
	a. Retrofication of Inlet Chamber	100 %	13,44,896. 00	100 %	1344896.0 0												
	b. Retrofication of Screen Chamber	100 %	13,44,896. 00	100 %	1344896.0 0												
	c. Retrofication of Wet Well					100 %	13,44,896. 00	100%	1344896.0 0								
	d. Retrofication of Pump House					100 %	13,44,896. 00	100%	1344896.0 0								
a. ii.	Mechanical Work(Servicing & Overhauling/Ne w Procurement)																
	(i) Nawabganj IPS								-				-				-
	a. Supply of Centrifugal Pump					80%	10,75,916. 80	72%	968325.12								
	b. Installation of Centrifugal Pump									20%	2,68,979.2 0						
	c. SS/MS Structural Work - Supply					80%	5,37,958.4 0	40%	268979.20								
	d. SS/MS Structural Work - Fabrication									20%	1,34,489.6 0	10 %	67244.80				

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	e. Valves and NRV - Supply									80%	10,75,916.80						
	f. Valves and NRV - Installation													20%	2,68,979.20		
	g. Pipe & Fitting - Supply									80%	5,37,958.40						
	h. Pipe & Fittings - Erection													20%	1,34,489.60		
	i. Monorail for lifting arrangement - Supply	80%	5,37,958.40	70%	470713.60												
	j. Monorail for lifting arrangement - Installation					20%	1,34,489.60	14%	94142.72								
	k. Dewatering Pump for dry well - Supply	80%	5,37,958.40														
	l. Dewatering Pump for dry well - Installation					20%	1,34,489.60										
a. iii.	Electrical Work(Servicing & Overhauling/New Procurement)	-								50%	6,72,448.00			50%	6,72,448.00		
a. iv.	Testing & Commissioning	-												100%	13,44,896.00		

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
b.i.	Civil Works																
	(i) Parmat IPS																
	a. Retrofication of Inlet Chamber	100 %	13,44,896. 00	100 %	1344896.0 0												
	b. Retrofication of Screen Chamber	100 %	13,44,896. 00	100 %	1344896.0 0												
	c. Retrofication of Wet Well					100 %	13,44,896. 00	100%	1344896.0 0								
	d. Retrofication of Pump House					100 %	13,44,896. 00	100%	1344896.0 0								
ii.	Mechanical Work(Servicing & Overhauling/Ne w Procurement)																
	(i) Parmat IPS							-				-				-	
	a. Supply of Centrifugal Pump					80%	10,75,916. 80	80%	1075916.8 0								
	b. Installation of Centrifugal Pump									20%	2,68,979.2 0	5%	67244.80				
	c. SS/MS Structural Work - Supply					80%	5,37,958.4 0	70%	470713.60								
	d. SS/MS Structural Work - Fabrication									20%	1,34,489.6 0	14 %	94142.72				

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	e. Valves and NRV - Supply									80%	10,75,916.80						
	f. Valves and NRV - Installation													20%	2,68,979.20		
	g. Pipe & Fitting - Supply									80%	5,37,958.40						
	h. Pipe & Fittings - Erection													20%	1,34,489.60		
	i. Monorail for lifting arrangement - Supply	80%	5,37,958.40	70%	470713.60												
	j. Monorail for lifting arrangement - Installation					20%	1,34,489.60	14%	94142.72								
	k. Dewatering Pump for dry well - Supply	80%	5,37,958.40														
	l. Dewatering Pump for dry well - Installation					20%	1,34,489.60										
iii.	Electrical Work(Servicing & Overhauling/New Procurement)	-					-			50%	6,72,448.00			50%	6,72,448.00		
iv.	Testing & Commissioning	-					-				-			100%	13,44,896.00		

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
c.i.	Civil Works																
	(i) Baba Ghat IPS																
	a. Retrofication of Inlet Chamber	100 %	13,44,896. 00	100 %	1344896.0 0												
	b. Retrofication of Screen Chamber	100 %	13,44,896. 00	100 %	1344896.0 0												
	c. Retrofication of Wet Well					100 %	13,44,896. 00	100%	1344896.0 0								
	d. Retrofication of Pump House					100 %	13,44,896. 00	100%	1344896.0 0								
ii.	Mechanical Work(Servicing & Overhauling/Ne w Procurement)																
	(i) Baba Ghat IPS							-				-				-	
	a. Supply of Submersible Pump alongwith Electric Motor					80%	10,75,916. 80	80%	1075916.8 0								
	b. Installation of Submersible Pump alongwith Electric Motor									20%	2,68,979.2 0	15 %	201734.40				
	c. SS/MS Structural Work - Supply					80%	5,37,958.4 0	70%	470713.60								
	d. SS/MS Structural Work -									20%	1,34,489.6	14 %	94142.72				

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	Fabrication										0						
	e. Valves and NRV - Supply									80%	10,75,916.80						
	f. Valves and NRV - Installation													20%	2,68,979.20		
	g. Pipe & Fitting - Supply									80%	5,37,958.40	70%	470713.60				
	h. Pipe & Fittings - Erection													20%	1,34,489.60	14%	94142.72
	i. Monorail for lifting arrangement - Supply	80%	5,37,958.40	70%	470713.60												
	j. Monorail for lifting arrangement - Installation					20%	1,34,489.60	14%	94142.72								
	k. Dewatering Pump for dry well - Supply	80%	5,37,958.40														
	l. Dewatering Pump for dry well - Installation					20%	1,34,489.60										
iii.	Electrical Work(Servicing & Overhauling/New Procurement)	-								70%	9,41,427.20			30%	4,03,468.80		
iv.	Testing & Commissioning	-												100%	13,44,896.		

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
															00		
d.i.	Civil Works																
	(i) Guptar Ghat IPS																
	a. Retrofication of Inlet Chamber	100 %	13,44,896. 00	100 %	1344896.0 0												
	b. Retrofication of Screen Chamber	100 %	13,44,896. 00	100 %	1344896.0 0												
	c. Retrofication of Wet Well					100 %	13,44,896. 00	100%	1344896.0 0								
	d. Retrofication of Pump House					100 %	13,44,896. 00	100%	1344896.0 0								
ii.	Mechanical Work(Servicing & Overhauling/Ne w Procurement)																
	(i) Guptar Ghat IPS								-				-				-
	a. Supply of Centrifugal Pump					80%	10,75,916. 80										
	b. Installation of Centrifugal Pump									20%	2,68,979.2 0						
	c. SS/MS Structural Work - Supply					80%	5,37,958.4 0										
	d. SS/MS Structural Work -									20%	1,34,489.6						

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	Fabrication										0						
	e. Valves and NRV - Supply									80%	10,75,916.80						
	f. Valves and NRV - Installation													20%	2,68,979.20		
	g. Pipe & Fitting - Supply									80%	5,37,958.40						
	h. Pipe & Fittings - Erection													20%	1,34,489.60		
	i. Monorail for lifting arrangement - Supply	80%	5,37,958.40														
	j. Monorail for lifting arrangement - Installation					20%	1,34,489.60										
	k. Dewatering Pump for dry well - Supply	80%	5,37,958.40														
	l. Dewatering Pump for dry well - Installation					20%	1,34,489.60										
iii.	Electrical Work(Servicing & Overhauling/New Procurement)	-				-				50%	6,72,448.00			50%	6,72,448.00		
iv.	Testing & Commissioning	-				-				-				100%	13,44,896.		

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
															00		
e.i.	Civil Works																
	(i) CSPS - Jajmau																
	a. Retrofication of Inlet Chamber	100 %	13,44,896. 00	100 %	1344896.0 0												
	b. Retrofication of Screen Chamber	100 %	13,44,896. 00	100 %	1344896.0 0												
	c. Retrofication of Wet Well					100 %	13,44,896. 00	100%	1344896.0 0								
	d. Retrofication of Pump House					100 %	13,44,896. 00	100%	1344896.0 0								
ii.	Mechanical Work(Servicing & Overhauling/Ne w Procurement)																
	(i) CSPS - Jajmau								-				-				-
	a. Supply of Centrifugal Pump					80%	10,75,916. 80										
	b. Installation of Centrifugal Pump									20%	2,68,979.2 0						
	c. SS/MS Structural Work - Supply					80%	5,37,958.4 0										
	d. SS/MS Structural Work -									20%	1,34,489.6						

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	Fabrication										0						
	e. Valves and NRV - Supply									80%	10,75,916.80						
	f. Valves and NRV - Installation													20%	2,68,979.20		
	g. Pipe & Fitting - Supply									80%	5,37,958.40						
	h. Pipe & Fittings - Erection													20%	1,34,489.60		
	i. Monorail for lifting arrangement - Supply	80%	5,37,958.40														
	j. Monorail for lifting arrangement - Installation					20%	1,34,489.60										
	k. Dewatering Pump for dry well - Supply		-			80%	5,37,958.40										
	l. Dewatering Pump for dry well - Installation					20%	1,34,489.60				-						
	k. Mechanical & Manual Bar Screen - Supply	80%	5,37,958.40				-				-				-		
	l. Mechanical & Manual Bar Screen -		-			20%	1,34,489.60				-				-		

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	Installation																
iii.	Electrical Work(Servicing & Overhauling/New Procurement)	-				-				51.5 %	3,46,214.66			49 %	3,26,617.60		
iv.	Testing & Commissioning	-				-				-				100 %	13,44,896.00		
IV.	RTOLM WORK for STP ,IPS & CSPS Aea																
1	STP Aea																
i.	Supply of Local Field Instruments for STP facility	-								80%	26,89,792.00	10 %	336224.00		-		
ii.	Installation of Local Field Instruments for STP facility	-								20%	6,72,448.00				-		
iii.	Supply of Remote Field Instruments for STP facility	-								80%	26,89,792.00				-		
iv.	Installation of Remote Field Instruments for STP facility	-								20%	6,72,448.00				-		
v.	Supply of False Floor at PLC Control Room for STP facility	-								80%	19,21,280.00				-		
vi.	Installation of False Floor at PLC Control Room for	-								20%	4,80,320.00				-		

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	STP facility																
vii.	Supply of AC at PLC Control Room for STP facility	-								-				80 %	7,68,512.0 0		
viii.	Installation of AC at PLC Control Room for STP facility	-								-				20 %	1,92,128.0 0		
ix.	Supply of PLC Panel for STP facility	-								-				80 %	26,89,792. 00		
x.	Installation of PLC Panel for STP facility	-								-				20 %	6,72,448.0 0		
xi.	Supply of AC at RIO Panel Room for STP facility	-								-				80 %	7,68,512.0 0		
xii.	Installation of AC at RIO Panel Room for STP facility	-								-				20 %	1,92,128.0 0		
xiii.	Supply of RIO Panel for STP facility	-								-				80 %	19,21,280. 00		
xiv.	Installation of RIO Panel for STP facility	-								-				20 %	4,80,320.0 0		
xv.	Supply of UPS & UPS ACDB for STP facility	-								-				80 %	19,21,280. 00		

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
xvi.	Installation of UPS & UPS ACDB for STP facility		-								-			20 %	4,80,320.00		
xvii.	Supply of Instrument, Control & Bus Cable Work for STP facility		-								-			80 %	38,42,560.00	30%	14,40,960
xviii.	Installation of Instrument, Control & Bus Cable Work for STP facility		-								-			20 %	9,60,640.00	5%	2,40,160
xix.	Testing & Commissioning of PLC & RIO for STP facility		-								-			100 %	24,01,600.00		
2	IPS & CSPA Aea																
i.	Supply of Local Field Instruments for IPS & CSPA facility		-							80%	26,89,792.00						
ii.	Installation of Local Field Instruments for IPS & CSPA facility		-							13%	4,37,091.20			7%	2,35,356.80		
iii.	Supply of Remote Field Instruments for IPS & CSPA facility		-								-			80 %	26,89,792.00		
iv.	Installation of Remote Field Instruments for		-								-			20 %	6,72,448.00		

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	IPS & CSPA facility																
v.	Supply of RTU/RIO Panel for IPS & CSPA facility	-								-				80 %	23,05,536. 00		
vi.	Installation of RTU/RIO Panel for IPS & CSPA facility	-								-				20 %	5,76,384.0 0		
vii.	Supply of UPS for IPS & CSPA facility	-												80 %	19,21,280. 00		
viii.	Installation of UPS for IPS & CSPA facility	-												20 %	4,80,320.0 0		
ix.	Supply of Instrument, Control & Bus Cable Work for IPS & CSPA facility	-								-				80 %	38,42,560. 00		
x.	Installation of Instrument, Control & Bus Cable Work for IPS & CSPA facility	-								-				20 %	9,60,640.0 0		
xi.	Testing & Commissioning of RTU/RIO for IPS & CSPA facility	-								-				100 %	24,01,600. 00		
xii.	Testing & Commissioning of Cloud based	-								-				100 %	24,01,600. 00		

Sr. No.	Description of Items	1st Milestone 10th May'21 to 15th October'21		1st Milestone 10th May'21 to 15th October'21 Achieved		2nd Milestone 16th Oct'21 to 15th March'22		2nd Milestone 16th Oct'21 to 15th March'22 Achieved		3rd Milestone 16th March'22 to 15th June'22		3rd Milestone 16th March'22 to 15th June'22 Achieved		4th Milestone 16th June'22 to 9th Aug'22		4th Milestone 16th June'22 to 9th Aug'22 Achieved	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	RTOLMS facility																
			-						-				-				-
V	TRIAL RUN & COMMISSIONING																
1	Trial Run & Commissioning								-				-				-
			2401,60,00 0.00		1769,20,10 8.16		2401,60,00 0.00		1515,76,04 9.56		2401,60,00 0.00		911,13,31 5.56		2401,60,00 0.00		607,10,52 6.72

130MLD STP JAJMAU Site Pictures during renovation period(Updated as on 31.03.2022)

PST 01 is under renovation since 26.02.2022



1500mm dia 38mtr and 1200mm dia 4.5mtr has supplied at site on 21.03.2022, Laying of pipe line has not started by KRMPL.



Renovation of Sludge Thickener 02 is in progress



FST 01 under renovation,Mechanical bridge collapsed on 15.01.2022



Renovation of 2-pole structure is in progress

Following points are to be addressed by the KRMPL:**i. Compliance of Inspection Reports.**

PE/UPJN/NMCG inspected 130 MLD STP Jajmau Phase-I on the following dates:-

1. 02.09.2021- inspection report issued on 06.09.2021
2. 18.09.2021- inspection report issued on 24.09.2021
3. 30.09.2021- inspection report issued on 01.10.2021
4. 07.10.2021 }
10.10.2021 }
23.10.2021 } inspection report issued on 31.10.2021
28.10.2021 }
29.10.2021 }
5. 23.11.2021 }
6. 27.11.2021 } inspection report issued on 30.11.2021
7. 10.12.2021 }
8. 20.12.2021 } inspection report issued on 27.12.2021 for 130MLD STP Jajmau Phase1
9. 15.12.2021 }
10. 16.12.2021 } inspection report issued on 27.12.2021 for 130MLD STP Jajmau IPS Facilities Phase 1
11. 4.01.2022 } Inspection report issued on 10.1.2022 for 130 MLD STP, IPSs and CSPS Jajmau
12. 01.02.2022 }
13. 03.02.2022 } Inspection report issued on 07.2.2022 and 25.02.2022 for 130 MLD .
14. 05.02.2022 } STP, IPSs and CSPS Jajmau
15. 25.02.2022 }
16. 02.03.2022- Inspection report issued on 09.03.2022

KRMPL has submitted compliance to PE inspection done on 130 MLD STP Jajmau on 04.01.22, Nov month 2021 and December month 2021 vide KRMPL letter no UPJN/KRMPL/Kanpur/2021-22/2172 on 09.02.2022 and UPJN/KRMPL/Kanpur/2021-22/2178 on 11.02.2022. PE reviewed the compliance report and found that KRMPL has not submitted point wise compliance, PE issued a letter to KRMPL vide letter no 1450 dated 24.02.22. KRMPL did not corporate PE compliance till date.

KRMPL has not submitted compliance report of PE inspection done on September month, October of 2021, February of 2022 and March month of 2022.

Unit wise description of 130 MLD JAJMAU Phase -1**i. Collection Chamber**

Collection chamber Retrofication work partially completed without testing,

commissioning, permission of UP Jal Nigam /STC.
Renovation of free board need to be done for all Collection chamber Area.

ii. Gates / Valves

Gates/ Valves are painted and Overhauling has been done but as per UP Jal Nigam /PE directed to Concessionaire all gates / valves need to be replaced.

iii. Fine Screen Chamber (Mechanical / Manual)

Renovation of fine screen chamber partially done. Seepages point rectification work required for civil structure.

- 03 nos. Mechanical Fine screens has been installed by KRMPL without getting checked & taking any permission for installation /Erection work of Mechanical Fine screen system from PE/UPJN.
- Mechanical screen no. 1 has been dismantled by KMRPL since one month. KRMPL has not taken any action as stated above till date.
- 01 no. Manual screen has been installed by KRMPL without getting checked & taking any permission for installation /Erection work of Manual screen system from PE/UPJN.
- Screened material need to be dispose regularly.
- MS shed pipes are corroded & colour of shed also worn out. UP Jal Nigam /PE directed to Concessionaire need to paint the MS shed pipes.
- Mechanical Screen not working with atomization system and without sensor .Need to be fixed the auto system immediately.
- New Cables for mechanical screen should be laid properly in cable trays.

iv. Grit Chamber

- Grit classifier 02 found un-operational due to improper installation.
- Renovation work of Grit chamber 03 done.
- Grit mechanism system No. 3 has installed and in running condition, PE commented on the installation of Grit mechanism system No. 3 vide STC letter no 1378 dated 10.1.2022.KRMPL has not complied the PE comments till date.
- Classifier no.01 & 02 Concessionaire promises to rectify the grit classifier defects within December 2021 month but KRMPL has not been rectifying till dated.
- Organic pump no.01, 02 and 03 have been installed as per approved drawing but it was not in working condition. Organic system shall be replaced as per approved drawing.
- Regarding E&M equipments installation works, KRMPL is required to schedule inspection of E&M works with PE and further obtain approval of UPJN before testing, commissioning and charging the raw sewage in respective E&M equipments. Only upon inspection and witnessing dry runs by PE and satisfactory completion of proposed works.

v. Inlet Flow meter

- Channel renovation work done but hydro test of this channel is pending.
- Inlet flow meter has been installed by KRMPL without getting checked & taking any permission for installation /Erection work of Inlet flow meter from PE/UPJN.
- Power backup of flow meter installed at site on 19.02.22.
- CCTV cameras need to be installed on urgent basis.

vi. Primary Sedimentation Tank

- Commissioning work of PST 02 done at 29.01.2022 as directed by UPJN.

- KRMPL has started sludge removal work from PST-01 drain from 26.02.2022 and Plastering work of launder started from 24.03.2022.
- Concessionaire has submitted and PE approved their submitted datasheet for Primary Sedimentation mechanism vide STC Letter No 505 dated 19.09.2020. KRMPL has not supplied the mechanical equipments for PST 01 and 03 till date.

vii. Sludge thickener Tank

- Mechanical bridge has installed of sludge thickener No.02 on 26.02.22 and balance equipments commissioning work is in progress.
- Sludge removal work of Sludge Thickener from 03.02.22 to 22.02.22 and Dismantled the scraper system done on 23.02.22 and 24.02.22 respectively.
- Civil work under renovation of Sludge thickener 01.
- Balance cracks, repairing work need to be done of sludge thickener 01 and 02.
- Sludge line for Inlet and Outlet flow need to be clean and repaired for sludge thickener 01 and 02.
- Epoxy paint need to be done as per approved specification of sludge thickener 01 and 02.
- Hydro test need to be done under this renovation period.

viii. Blending tank agitator

- Concessionaire removed sludge from the tank on 03.02.2022 to 22.02.22 completely.
- Crack repairing work, Steel removal work, honeycomb repairing work, plaster work, and epoxy painting work done by KRMPL.
- Blending tank agitator has been installed by KRMPL but electrical termination is still pending due to non-availability of panel.
- Incoming and outgoing sludge line cleaned by KRMPL.
- Commissioning work of blending tank agitator is pending.

ix. Aeration Tank

- Civil structure found in poor condition and need to be rehabilitated.
- KRMPL done renovation work only Outer face of RCC wall and RCC channel.
- Incoming line of sewage need to be clean and repaired if required.
- Outlet line of sludge to blending tank need to be cleaned and repaired.
- Concessionaire promised to replace all 18 nos. of aerators. 06 nos. of new aerators has been installed at aeration chamber and PE & UPJN has been submitted observation vide PE letter no.1287 dated 26.11.2021 but KRMPL has not submitted any compliance report as same. Remaining 12 nos. of aerators will be ordered by 18th Oct. 2021, but till date 12 Nos. Aerators not reached at site. PO order has submitted by KRMPL vide their letter No 2054 dated 30.12.2021.

x. Return sludge pump House

- Plastering work, Painting work of outer surface of Pump house done by Concessionaire.
- Sump cleaning work done by KRMPL partially.
- Concessionaire fixed 2 nos. of new RSPH pumps, which will reach site on 15th Oct. 2021 and 2 nos. of overhauling pump. Concessionaire will keep repairing the old pumps in a proper manner so that the functioning will not be disturbed till remaining 2 nos. of new pump. 2 nos. new pumps has been installed BY KRMPL at site but KRMPL without getting checked & taking any permission for installation /Erection work of RSPH pumps from PE/UPJN.

- PO order has submitted by KRMPL vide their letter No 2054 dated 30.12.2021.

xi. Treated effluent pump house:

- Out of 11 Nos. pumps in TEPH, 04 nos. pumps are received at site. 3 Nos. of Pump has been installed at site without getting checked & taking any permission for installation /Erection work of TEPH pumps from PE/UPJN
- New TEPH construction work has not started by KRMPL.
- PE has been recommended the TEPH piping GAD vide Letter No. 1414 dated 31.1.2022. KRMPL has not supplied the TEPH piping arrangements.
- Electrical hoist has received.

xii. Centrifuge/Belt Filter Press System

UP Jal Nigam has directed to Concessionaire to replace 4 Nos. Centrifuges from approved vendors as per CA and approved BEP. Any alternate technology, including Belt Filter Press, may be considered by Concessionaire at no additional cost and the same will be designed as per CPHEEO guidelines, and procured from only approved vendors.

- PE has been recommended vendor for Belt Filter Press vide Letter No. 1362 dated 30.12.2021. KRMPL has submitted revised Technical Data sheet for Approval.
- PE has comments on compliance report of Technical Data Sheet of BFP vide PE letter no. 1439 dated 16.02.2022. KRMPL has not complied the compliance report of PE for recommendation of Technical data sheet. KRMPL has been submitted the compliance report vide KRMPL letter no. 2308 dated 24.03.2022 and KRMPL letter no. 2296 dated 15.03.2022. PE has commented on the compliances of Belt filter press vide STC letter no. 1518 dated 28.03.2022. KRMPL has not submitted compliance report and revised technical data sheet for Belt filter press.
- PE has been recommended the submersible mixer vide Letter No. 1413 dated 31.1.2022. KRMPL has not supplied the as state above.

xiii. Supernatant pumps

- PE has been recommended the revised GA, Technical data sheet of Supernatant pumps vide STC letter no. 1484 dated 08.03.2022.

xiv. Sludge Digester

- Concessionaire has done partially cleaning work of primary digester tank.
- KRMPL has been started the cleaning of the Secondary digester tank.
- Concessionaire need to arrange sufficient Nos. of labour for renovate the work.
- Concessionaire has submitted the technical data sheet of sludge digester as per their letter No.1979 dated 02.12.2021 and PE has commented vide Letter No 1305 dated 03.12.2021 and KRMPL has been submitted the compliance report vide Letter No 2038 dated 22.12.2021 and PE commented on compliance report vide STC letter no 1367 dated 04.01.2022. KRMPL has submitted the compliance of gas mixing system vide KRMPL letter no. 2244 dated 02.03.2022 and KRMPL letter no. 2284 dated 11.03.2022. Compliance report of KRMPL is under review of PE.

xv. Final Sedimentation Tank

- KRMPL has commissioned FST 02 dated 05.02.2022 after completion of civil and Mechanical works.
- Concessionaire has submitted and PE approved their submitted datasheet for Final Sedimentation mechanism vide STC Letter No 505 dated 19.09.2020. KRMPL has not supplied the mechanical equipments for FST 01 and 03 till date.
- Concessionaire promised that the equipment of 130 MLD FST no. 2 will be inspected tomorrow i.e, on 11th Oct. 2021 & will reach site by 20th Oct. 2021. The Equipment of 130 MLD FST 02 will reach site till 20th Oct. 2021. Concessionaire also promised to

complete the equipment installation work of FST 02 by December end. But only FST No. 2 material supplied at site and commissioned on 05.02.22. Mechanical equipments of FST 01 has been supplied at site but their installation work has not started by KRMPL. Mechanical equipments of FST 03 has not supplied at site till date.

xvi. Power backup(DG set and DFG)

- As present condition is very crucial because at time of KESCO power supply goes to under maintenance that time only 5 nos. TEPH pump operate and balance STP plant system goes to non-functional. KRMPL need to arrange sufficient power backup arrangement at site for proper operation of STP Plant.
- It has been decided and agreed by KRMPL that two gas engines of 800Kw will provided and as remaining requirement.
- Plaster work is doing by KRMPL in DFG room.
- KRMPL has not submitted any civil foundation drawing for the gas engine.
- Gas engine and ancillary equipments have been recommended by PE vide PE letter no. 1330 dated 14.12.2021. KRMPL has not been supplied the equipments.
- UPJN has directed to KRMPL for submitted the Technical data sheet of power backup arrangement for CSPS Jajmau along with 130 MLD STP Jajmau vide UPJN letter no. 171/w-8/25 dated 26.03.2022

xvii. Scrubbing & Flaring System

- Concessionaire has been submitted the QAP and datasheet of scrubbing and flaring system as per KRMPL letter No. 1972 dated 01.12.2021 and PE recommended for approval for Gas flaring unit as per STC letter No 1326 dated 13.12.2021 and for Gas scrubber system as per STC letter No 1329 dated 14.12.2021. KRMPL has not been supplied the equipments.
- KRMPL has not started dismantling of scrubbing system.
- Plastering work, Painting work done by KRMPL under renovation work.

xviii. Combined sewage pumping station(CSPS Jajmau)

- Concessionaire has been submitted the QAP and datasheet of CSPS and PE has been recommended vide STC letter No 1286 dated 12.11.2021.

xix. Substation

- DP structure has been erected by KRMPL without getting approval of Drawing and layout plan & taking any permission for installation /Erection work of DP structure work from PE/UPJN.
- PE has been recommended the QAP/Data sheet of LT Panel documents for IPSs & CSPS Jajmau for 130 MLD STP vide PE letter no. 1511 dated 21.03.2022.
- KRMPL has submitted the QAP/Data sheet of LT Panel documents for 130 mld STP Jajmau Phase -1 vide KRMPL letter no. 2294 dated 17.03.2022. PE has been submitted their observation on LT Panel, LPBS for 130 MLD STP Jajmau Phase -1 vide PE letter no. 1508 dated 23.03.2022. KRMPL has not submitted compliance of PE observations till date.
- KRMPL has submitted compliance and revised structural drawing of combined LT & HT panel room for 130 mld Jajmau STP vide KRMPL letter no. 2287 dated 15.03.2022. It is under review of PE.
- KRMPL has submitted the internal illumination of PCC and VCB Panel room for 130

mld STP Jajmau Phase -1 vide KRMPL letter no. 2282 dated 10.03.2022. PE has been submitted their observation on the internal illumination of PCC and VCB Panel room for 130 MLD STP Jajmau Phase -1 vide PE letter no. 1510 dated 21.03.2022. KRMPL has not submitted compliance of PE observations till date.

- KRMPL has submitted the QAP/data sheet of Online water quality analyzer for 130 mld STP Jajmau Phase -1 vide KRMPL letter no. 2171 dated 09.02.2022. PE has been submitted their observation on QAP/data sheet of Online water quality analyzer for 130 MLD STP Jajmau Phase -1 vide PE letter no. 1515 dated 26.03.2022. KRMPL has not submitted compliance of PE observations till date.

vii. Joint sampling and testing by NABL Lab

- Testing reports from Spectra research Lab ventures (P) Ltd. of the Joint sample taken on 02.10.2021, 27.11.2021 and 31.12.2021 test reports yet not submitted by concessionaire.
- Shri Ram Institute for Industrial Research New Delhi of the joint sample taken on 3-4th Dec 2021, 16-17th Dec 2021, 22-23th Dec 2021 and 31th Dec 2021 with UPJN, STC and KRMPL representatives.
- Test results reports are submitted only Shri Ram Institute for Industrial Research New Delhi of the joint sample on 3-4th Dec 2021, 16-17th Dec 2021, and 22-23th Dec 2021 by KRMPL.
- Test results reports for 31th Dec 2021 are still pending.
- UPJN instructed KRMPL to discontinue weekly sampling & testing from M/S Shriram labs as the test results of Shriram labs is very much different from others and directed KRMPL to conduct weekly sampling & testing from IIT Kanpur from February 2022 onwards instead of M/S Shriram labs but KRMPL is still continuing to get sampling and testing done by Shriram labs. The weekly results submitted for the month of Feb 2022 have not been considered as per instruction of UPJN.
- KRMPL has not started the weekly sampling & testing to be done by IIT Kanpur as per instructions of UPJN for the month of February 2022 and March 2022.

Annexure 1: Monthly Activity Report of 130 MLD STP Jajmau and facilities Phase 1 for February 2022 submitted by KRMPL

Attached separately

Enclosure: Site Inspection Reports for the Month of February 2022 (130 MLD STP and IPSs, CSPS Jajmau Phase 1)

Attached separately

7.2 43 MLD JAJMAU PHASE II

Schedule handing over date for 43 MLD Jajmau phase-II facilities was 1.10.2019 as per CA. As per CA COD for 130 MLD Jajmau Phase-I and 43 MLD Jajmau phase-II was same as per CA, therefore the Concessionaire was reluctant to take over 43 MLD Jajmau phase-II. NMCG has separated COD of Jajmau by NMCG letter no.F.No.pr-12012/7/2018/PPP/NMCG dated 02.08.2021. Ultimately 43 MLD Jajmau phase-II facilities were takeover by KRMPL conditionally on 25.08.2021. COD for 43 MLD Jajmau phase-II has been declared as per UPJN letter No 144/M-23/4 dated 14.12.2021. The KRMPL has submitted the list of staff deployed for proper O&M of 43 MLD Jajmau phase-II facilities as per KRMPL letter No 1920 dated 16.11.2021 and PE STC commented for manpower qualification & experience for plants under O&M as per STC letter No 1272 dated 18.11.2021.

It has been observed that O&M of 43 MLD Jajmau phase-II is not up to the mark from handover date.

- **Parmiya Nala IPS 3.5 MLD Handover Date-25.08.2021**
- **Shishamau IPS(Khalasi Lane Chouraha) 45 MLD Handover Date- 25.08.2021**
- **Parmiya Nala IPS**
 - This IPS is in overflow/Bypass condition since Handover.
 - KRMPL did not take any necessary action to preventing overflow condition.
 - KRMPL is not maintaining proper O&M during renovation period.
 - Material Inward and outward registers has not maintained properly by KRMPL.
 - Log book of pumps and DG set are not being maintained by KRMPL.
 - KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for proper O&M of IPS and attendance register manipulated staff details.
- **Shishamau IPS (Khalasi Lane Chouraha)**
 - Overflow found (on 02.03.2022 at 12:45 pm, 04.03.2022 at 03:43 pm, 09.03.2022 at 1:09 pm, 10.03.2022 at 12:50 pm, 21.03.2022 at 3:57 pm, 24.03.2022 at 10:30 am) at Shishamau IPS found, UPJN issues a letter no. 154/w-4/52 dated 22.03.2022 and UPJN letter no. 186/w-22/12 dated 29.03.2022.
 - Commissioner Kanpur visited Shishamau tapping on 24.03.2022 at 11:00 am and found o sewage was overflow to river “Ganga”. They instructed KRMPL to stop overflow condition with immediate effect within 24 hrs.
 - KRMPL did not operate IPS pumps properly during peak hour.
 - Material Inward and outward registers has not maintained properly by KRMPL.
 - Log book of pumps and DG set are not being maintained by KRMPL.
 - KRMPL has not arranged adequate number of staff (Operators, Sweepers and relievers) for proper O&M of IPS and attendance register manipulated staff details.
 - O&M of 43mldstp plant Phase 1 and their facilities found unsatisfactory during site visit of NMCG, SMCG, CPCB, UPPCB, District level Officials UPJN and STC officials and intimate to KRMPL taken necessary action to avoid overflow/ByPass condition..
 - NMCG has instructed to KRMPL that “MAGH MELA” is ongoing to start from Jan 2022, No untreated sewage should be flow to river Ganga.

- Overflow at 43 mld STP found at 25.03.2022 at 12:00 to 12:25 am vide UPJN letter no 160/w-11/16 dated 25.03.2022.
- District Commissioner, Kanpur issued a letter 2828/Campus-2022 dated 06.03.2022 regarding conduct a joint inspection team to inspect the overflow condition of tapped Nalah to the river "Ganga". Inspection was done on 07.03.2022 by team and found overflow condition at Shishmau IPS, Parmat IPS, GuptarGhat, Baba Ghat IPS, Nawabganj IPS and Parmiya IPS respectively vide UPJN letter 186/w-22/12 dated 29.03.2022.
- Project Manager-1 UPJN GPCU Kanpur has issued a letter No. 189/W-22/13 dated 30.03.2022 against F.I.R to KRMPL regarding sewage overflow to river "The Ganga" without any treatment by tapped nalah.
- KRMPL has arranged sub-contractors(Supervisors, Operators and Sweepers) from vendor "ACHME".PE has informed to KRMPL that you are required to take vendor approval from UPJN & STC vide STC letter no 1514 dated 26.03.2022

Following points are to be addressed by the KRMPL:-

i. Compliance of Inspection Reports.

PE/UPJN/NMCG inspected 43 MLD STP Jajmau Phase-II on the following dates:-

1. 21.09.2021- inspection report issued on 30.09.2021
2. 30.09.2021-inspection report issued on 01.10.2021
3. 08.10.2021, 25.10.2021& 28.10.2021 - inspection report issued on 30.10.2021
4. 27.11.2021-inspection report issued on 30.11.2021(enclosed)
5. ED (Technical) Mr. D.P Mathuria inspected on 08.10.2021 and ED(Project) Mr. Ashok Kumar Singh, IAS inspected on 10.10.2021.MOM of Both inspection has been issued by STC Letter No.1215 dated 27.10.2021
6. Ms. NidhiDwivedi, Project Officer (Technical), NMCG, Mr. Bhaskar Ray, TL and Mr. Dinesh Chamoli, O&M Expert, PMC inspected site on 28.10.2021.
7. 15.12.2021 }
8. 21.12.2021 } Inspection report issued on 27.12.2021 for 43 MLD STP IPS facilities Jajmau Phase II
9. 10.12.2021 }
10. 16.12.2021 } Inspection report issued on 27.12.2021 for 43 MLD STP JajmauPhase II
11. 20.12.2021 }
12. 21.12.2021 }
13. 18.01.2022- Inspection report issued on 31.01.2022 for 43 MLD STP Jajmau Phase II.
14. 15.02.2022 }
15. 16.02.2022 } Inspection report issued on 25.02.2022 and 28.02.2022 for 43 MLD STP Jajmau Phase II facilities.
16. 25.02.2022 }
17. 15.03.2022 }
18. 30.03.2022 } Inspection report issued on 26.03.2022 and 02.04.2022 for 43 MLD STP and IPS facilities at Jajmau phase II.

Compliance of the above inspection reports have not been submitted by KRMPL yet.

ii. O&M Manual

- KRMPL has resubmitted the O&M manual and PE compliance for 43 MLD STP vide KRMPL letter no 2080 dated 10.01.2022 ,PE reviewed the compliances of revised O&M manual and issued a letter to KRMPL vide STC letter no 1411 dated 31.1.2022,PE issued a Reminder letter regarding resubmission of O&M manual and schedule maintenance plan for 43 MLD STP Jajmau facilities to KRMPL vide STC letter no. 1443 dated 17.02.2022 but KRMPL has not resubmit O&M manual after incorporating comments on KRMPL compliances.
- KRMPL has submitted Schedule Maintenance plan for first year of 43 MLD Jajmau Phase-II facilities vide KRMPL letter no.1909 dated 12.11.2021,PE reviewed and submitted comments on Schedule Maintenance plan vide PE letter no.1262 dated 12.11.2021.KRMPL is yet to resubmit Schedule Maintenance plan after incorporating comments given by PE.

iii. Insurance Policies

- UPJN provided insurance appreciated value of 43 MLD Jajmau Facilities Phase II for the year of 2021-2022 is Rs. 6675.10 Lakh as per UPJN vide Letter No 180/w-4/42 dated 29.12.2021.
- KRMPL has not submitted industrial all risk insurance policies for replacement value of 43 MLD Jajmau Phase-II facilities yet as per STC letter no. 1109 dated 02/09/2021.

iv. Monthly Activity Report

- KRMPL has submitted Monthly performance report vide KRMPL letter no 2264 dated 09.03.2022 for the month of February of 43 MLD Jajmau Phase-II.
- After review PE has given comments on Monthly performance report for 43 MLD Jajmau Phase-II vide PE letter no. 1500 dated 11.03.2022.KRMPL is yet to resubmit Monthly performance report for the month of February 2022 after incorporating comments on compliance report given by PE.

v. Mechanical Screens (Fine Screens)

- Both Mechanical screens & conveyer belt found non-operational every time when officials of PE/UPJN visited the site. It was started when asked by the visiting team.
- Auto System of both Mechanical Screens has not been repaired by KRMPL yet.
- Concessionaire promised automation of mechanical screens of 43 MLD STP within a week during the visit of ED (technical) on 08.10.2021. But no action has been taken up by KRMPL.

vi. Grit removal System

- Grit removal system is functional but classifier system is not functional since handover.
- Most of the time it was found that total flow was being bypassed. Concessionaire promised to rectify the grit classifier of 43 MLD STP within 7 days during the visit of

ED (technical) on 08.10.2021. But no action has been taken up by KRMPL.

viii. Primary sedimentation Tank

- Cleaning work of PST need to be done.
- Cracks repairing work need to be done.
- Painting work needs to be done.
- "V" notch need to replace.
- Hand railing work needs to be paint.
- Alignment need to be rectified for PST.
- Log book need to be maintained.

ix. Sludge Digester System

- Sludge digested system is not in working condition since handover.
- Digester Need to be cleaned.
- Civil Leakage need to be repaired.
- Pressure relives valve need to be calibration.
- All four nos. of motors need to be repaired.
- Canopies need to be replaced.
- HDPE gas pipe line need to be proper support.

x. Air Blower system

- Air blower no 2 has repaired by KRMPL on 29.01.2022. Now all 3 Nos. blowers are in working condition.

xi. Centrifuge system

- Both Centrifuges needs to be repair.
- Need to be overhauled & servicing.
- Pipe support shall be installed properly for sludge feed line and dosing line.

xii. Sludge Thickener

- Need to be Overhaul and servicing.
- Need to be Clean weir plates
- Sludge cleaning need to be done.
- Need to be painted.

xiii. Final Sedimentation Tank

- Cleaning work need to be done.
- Painting work needs to be done.
- Alignment of Mechanism needs to be rectified.
- "V" notch need to be replaced.

xiv. Disposal Sludge

- Disposal of sludge is to be done by the KRMPL as per UPPCB norms.

xv. DG set(Power Backup)

- In present there is no power backup at site since handover. At the time of power cut whole plant goes to shutdown in all respect. PE has submitted their suggestion to UP Jal Nigam to direct the concessionaire to installed DG set & RTLOMS system vide STC letter no. 898 dated 11.06.2021.

xvi. Chlorination system:-

- KRMPL need to installed chlorination facilities.

xvii. Joint sampling and testing by NABL Lab

- Testing reports from Spectra research Lab ventures (P) Ltd. of the Joint sample taken on 28.08.2021,04.09.2021,11.09.2021,18.09.2021,25.09.2021,02.10.2021,09.10.2021, 16.10.2021, 23.10.2021,06.11.2021,27.11.2021 and 31.12.2021 test report yet not submitted by concessionaire.
- Shri Ram Institute for Industrial Research New Delhi of the joint sample taken on 3-4th Dec 2021,16-17th Dec 2021,22-23th Dec 2021,31th Dec 2021,7th January 2022,13th January 2022,21th January 2022,28th January 2022 with UPJN,STC and KRMPL representatives and result submitted by KRMPL.
- Joint sample taken by IIT Kanpur on 29.01.2022 and their results submitted by KRMPL vide their letter no. 2230 dated 23.02.22
- UPJN instructed KRMPL to discontinue weekly sampling & testing from M/S Shriram labs as the test results of Shriram labs is very much different from others and directed KRMPL to conduct weekly sampling & testing from IIT Kanpur from February 2022 onwards instead of M/S Shriram labs but KRMPL is still continuing to get sampling and testing done by Shriram labs. The weekly results submitted for the month of feb 2022 have not been considered as per instruction of UPJN.
- KRMPL has not started the weekly sampling & testing to be done by IIT Kanpur as per instructions of UPJN for the month of February 2022 and March 2022.

xviii. KPIs Adherence Report

- As per the direction given by PM-1 UPJN, KPI adherence report of 43 MLD STP Jajmau Phase II from Feb. 2022 months onward, will be sent on the basis of IIT Kanpur test reports.
- In this regard, STC letter no. 1469, 1505 & 1523 dated 28.02.2022, 21.03.2022 & 31.03.2022 respectively, may be referred.
- KRMPL has not submitted IIT Kanpur test reports for the month of February & March 2022. Hence it is not possible for PE to send KPI adherence report till the submission of IIT Kanpur test reports.

Annexure 1: Monthly Activity Report of 43 MLD STP Jajmau and facilities Phase II for February 2022 submitted by KRMPL

Attached separately

Enclosure: Site Inspection Reports for the Month of February -2022 (43 MLD STP Jajmau Phase II)

Attached separately

7.3 210 MLD Bingawan STP

The schedule date of handover of 210 MLD Bingawan Facilities as per CA was 01/04/2019 but actually could be handed over on 08/07/2019. From handover date itself it was observed and informed from time to time to Concessionaire that the operation and maintenance of the plant was not up to the mark. Commercial Operation Date of Bingawan facility declared by UPJN as 10.08.2020 vide their letter no. 2324/w-37/100 dated 10.09.2020.

Renovation (Installation of RTOLMS and rectification of pumps) completion certificate have been issued by UPJN as 10.08.2020 vide their letter no. 2033/w-37/67 dated 18.08.2020 but calibration certificate with witness certificate is yet to be submitted by KRMPL. Out of 2 nos. electro-magnetic flow meters in inlet, 01 no. was installed after rectification at site and it was synchronised with RTOLMS but at present it is non- functional and not calibrated. Calibration report needs to be provided. Other 2nd no. electro-magnetic flow meter has not been installed yet.

Following points need to be addressed:-

i. Compliance of Inspection Reports

- PE/UPJN inspected 210 MLD Bingawan facilities on the following dates
 1. 12.11.2020- Inspection report issued on 21.11.2020
 2. 02.01.2021- Inspection report issued on 19.01.2021
 3. 02.02.2021- Inspection report issued on 04.02.2021
 4. 15.06.2021- Inspection report issued on 23.06.2021
 5. 12.07.2021- Inspection report issued on 20.07.2021
 6. 06.08.2021- Inspection report issued on 10.08.2021
 7. 18.08.2021
 8. 25.08.2021
 9. 26.08.2021
 10. 31.08.2021
 11. 10.10.2021
 12. 26.10.2021
 13. 29.10.2021
 14. 16.12.2021 - STP Inspection report issued on 24.12.2021.
 15. 22.01.2022
 16. 25.01.2022
 17. 27.01.2022
 18. 20.01.2022- IPS Inspection report issued on 31.01.2022.
 19. 18.02.2022
 20. 22.02.2022
 21. 26.02.2022- IPS Inspection report issued on 28.02.2022.
 22. 25.03.2022- STP Inspection report issued on 31.03.2022.
 23. 31.03.2022- IPS Inspection report issued on 02.04.2022.

Compliance of the above inspection reports have not been submitted by KRMPL yet.

24. Bingawan STP's inspection done on 26.11.2021 and inspection report issued on 29.11.2021

Compliance of the above inspection report was submitted by KRMPL vide KRMPL letter no. 2056 dated 30.12.2021 (received on 31.12.2021) which was verified by PE & UPJN and it was found that some of the items informed rectified by KRMPL but found not rectified. It shows that KRMPL submitting false and misleading compliance report.

25. Bingawan IPS's inspection done on 24.11.2021 & 14.12.2021, 29.12.2021 and inspection reports issued on 29.11.2021 & 30.12.2021 respectively.

Compliance of the above inspection reports was submitted by KRMPL vide KRMPL letter no. 2123 & 2127 which was verified by PE and it was found that only dates are being proposed by KRMPL and compliance still pending.

- Since 28th January 2020, rectifications of various defects indicated in different inspection reports have not been done by the KRMPL and they are extending dates continuously every month which is clear from the inspection report of Mar. 2022 of Bingawan facilities (Copy of inspection report enclosed.)

ii. O&M Manual

- Revised O&M manual of Bingawan has been approved by UPJN on 24.08.2020.

iii. Insurance Policies

- STC insurance expert report has been submitted and KRMPL was required to submit all insurance policies according to advice of STC insurance expert.
- Again, KRMPL has submitted industrial all risk insurance policy vide its letter no. 1958 dated 18.11.2021 for year 2nd (i.e, Nov. 2020 to Nov. 2021) without enhancement of the insured amount by 5 % and without including the cost of RTOLMS.
- KRMPL has not yet submitted the revised Insurance Policies for year 2nd (i.e, Nov. 2020 to Nov. 2021) incorporating the points raised in STC letter no. 1325A.
- KRMPL has submitted industrial all risk insurance policy vide its letter no. 2009 for year 3rd (i.e, Nov. 2021 to Nov. 2022). On a total, the value of IAR policy has to be increased to Rs 284,00,40,000/- (i.e, 10.25 % to that of 1st yr. value, considering 5% increment to 1st yr value & then 5% increment to that of 2nd yr. value) excluding RTOLMS value but the submitted IAR policy value is Rs 280,65,44,000/- which is only 8.95% to that of 1st yr. value. Apart from the above, the cost of RTOLMS was to be included in the industrial all risk insurance policy but not included yet. On this, STC has issued a letter no. 1351 for compliance.
- Again KRMPL has submitted letter no. 2069 on which PE has issued a detailed explanation letter no. 1387 along with detailed attachment for compliance. All the

issues had already been thoroughly mentioned in past PE's letter no. 1325A & 1351 but instead of complying them, KRMPL is providing misleading information.

- KRMPL has submitted revised IAR policy vide KRMPL letter no. 2259 after correcting the address of Sajari only, rest points of PE letter no. 1387 dated 12.01.2022 are still not complied. PE has issued letter no. 1502 dated 14.03.2022 explaining the above.
- KRMPL has issued letter no. 2298 dated 16.03.2022 to which PE letter no. 1519 dated 30.03.2022 may be referred.

iv. MPS

- Mechanical coarse screen no. 2 which was non-functional since 03.02.2021 and finally made functional on 22.02.2022 was again found non-operational since 24.03.2022.
- Mechanical coarse screen no. 1 is only running but not functional since 28.01.2020. Screen is to be aligned completely which is still to be done.
- Out of 12 nos. pumps installed, 3 nos. of pumps i.e, pump no. 4, 7 & 11 are not working and 1 no. of pump i.e, pump no. 8 which was non-operational since 28.07.2021 and repaired on 24.02.2022 is still producing uneven sounding issue. For 130 MLD flow, at least 5 pumps are required to be operated during peak periods but KRMPL is operating only 2 pumps till 11:00am and 4 pumps after 11:00 am, resulting in reverse flow and only 100 MLD sewage is being treated in the plant.
- MPS sump level transmitters are not working properly and its calibration is still pending.
- KRMPL had promised to complete Butterfly valve chamber near MPS by 15.08.2021 but still some finishing works etc are pending.

v. Inlet Chamber

- Out of 3 nos. fine mechanical screen, all are non functional since 28.01.2020.
- Out of 04 grit removal system, Grit classifier no. 1 & 3 are not functioning properly.
- Parshall flume ultrasonic level sensor along with measuring scale had not been installed yet since handover dated 08.07.2019.
- Some of the leakages in Civil Structure have not been attended by KRMPL.

vi. Cleaning and reactivation of UASB Reactors

All the KPIs excluding TSS of 21 days, are not being met during the month of Feb. 2022 as per KRMPL's report. There is huge difference between KRMPL lab results and NABL lab results/ IIT Kanpur lab results. Out of 16 reactors, 10 nos UASB reactors (reactor no. 1, 2, 3, 4, 8, 5, 12, 9, 10 & 6) have been cleaned & refilled for reactivation. Sludge blankets are still not formed in the above reactors. Reactor no. 6 was taken up for cleaning from April 2021 and has finally been cleaned in Jan. 2022. Reactors no. 9, 10 & 11 were taken up for cleaning from July 2021, from which Reactor no. 9 & 10 were cleaned in Dec. 2021. Reactor no.16 has been taken up for cleaning from Sept. 2021, Reactor no. 14 has been taken up for cleaning from 30.11.2021 (Nov. 2021), Reactor no. 15 has been taken up for cleaning from 03.01.2022 (Jan. 2022).

From July-2021 only five reactors i.e, reactor no. 5, 12, 9, 10 & 6 have been cleaned till date.

KRMPL had promised to clean reactor no. 11 till 31.12.2021, reactor no. 15 & 16 till 31.01.2022 & 15.01.2022, reactor no. 13 & 14 till 28.02.2022 & 15.02.2022 respectively vide KRMPL letter dated 11.10.2021. Again KRMPL vide its letter no. 1840 dated 26.10.2021, promised to clean reactor no. 11 till 15.12.2021, reactor no. 16 till 31.01.2022, reactor no. 15 till 15.02.2022, reactor no. 13 & 14 till 31.03.2022 & 15.03.2022 respectively but till date out of the above 5 reactors, none of the reactor has been cleaned.

During NMCG meeting dated 17.02.2022, KRMPL promised to clean 5 UASB reactors i.e, one reactor in February 2022, 2 reactors in March 2022 & 2 reactors in April 2022 but out of the 5 reactors, no reactor has been cleaned till date.

vii. Aeration Lagoon & Final Polishing Unit

Aeration lagoons are filled with sludge and now the sludge can be seen above the surface water level of aeration lagoon also which is clearly mentioned and shown with picture in PE's Jan. 2022, Feb. 2022 & Mar. 2022 inspection reports.

Final polishing units are completely filled with sludge and it can be clearly seen above surface water level of the unit.

KRMPL has not submitted any action plan for cleaning of aeration lagoons & polishing ponds.

Out of 18 aerators, most of the time, 3 to 4 aerators are out of order.

viii. Belt Filter Press

Out of 3 nos. of Belt Filter Press (BFP) system, BFP no. 1 which was non-operational since 23.09.2021 is made operational on 22.02.2022. All 3 nos. of BFPs are operational. Out of 3 nos. poly dosing pumps installed, 1 no. is not in working condition due to diaphragm portion fully damaged. This matter has been pending since 07.10.2020.

For disposal of sludge, only two trolleys and two tractors are available. One spare trolley is required for the time when one trolley goes for disposal.

ix. Chlorination System

- The missing tonners were finally brought at site on 11.12.2021 which were missing since handover dated 08.07.2019.
- Chlorine dosing is not found proper as per the flow. In the month of Oct. 2021, Nov. 2021, Dec. 2021 & Jan. 2022; 6055.3 kg, 4885.95 Kg, 1250.75 kg & 1076.25 kg respectively of chlorine has been consumed less than required (@ 5ppm). Chlorine dosing rate to be calculated to control fecal coliform within limit and accordingly chlorine dosing should be adjusted.
- As of now, chlorine dosing has not been improved yet and the same was observed by CE, UPJN also during his visit to 210 MLD Bingawan STP on 29.01.2022 and he also observed that the chlorine dosing is not proper. Mr Ajay Kanaujia (Chemist, UPJN) get the chlorine tested in his presence on 19.01.2022 & 25.01.2022 and found zero chlorine in the treated effluent (PE's letter no. 1406 dated 25.01.2022 may be referred regarding this issue). Also on 02.02.2022 and on various inspection

dates in Feb. 2022, chlorine concentration was checked in presence of UPJN & PE officials and still found zero chlorine in the treated effluent.

- During site inspection on dated 22.02.2022, when UPJN & PE get the tonners wt. measured on dated 22.02.2022, chlorine was found 3730 kg but the chlorine entry at the end of previous day was written as 3355 kg. It means that KRMPL is not doing chlorine dosing and falsely showing consumption of chlorine in their record.
- The chlorination system was found not working properly since long back but still not rectified resulting in insufficient chlorine dosing.
- KRMPL is doing sodium hypochlorite solution dosing which is also not proper as per the requirement and residual chlorine at the injection point of sodium hypochlorite solution dosing was also found zero. Also no record of sodium hypochlorite solution consumption is being maintained by KRMPL.
- PE got the chlorine tested in his presence on 25.03.2022 and the residual Chlorine measured at the injection points was found to be 0.1 mg/l and 0.0 mg/l in the treated effluent at all other points.
- Further it should be noted that the logistics (record keeping, consumption) of the Chlorine cylinders at site is questionable due to the fact that STC has found the gate entry records of Chlorine Cylinders in March 2022 show two deliveries (04/03/22 & 23/03/22) whereas the Chlorine Stock Register in the Chlorination Room shows 9 entries (2nd, 4th, 7th, 11th, 15th, 18th, 21st, 23rd & 24th of March 2022) clearly indicating mismatch of records. PE's letter no. 1520 dated 30.03.2022 may be referred regarding above issues.

x. Sludge Disposal

As instructed by ED (Technical) on 08.10.2021 that sludge disposal is to be done as per norms of UPPCB. KRMPL and UPJN are required to follow the norms of UPPCB for disposal of sludge. Before disposal, analysis of sludge is to be done for heavy metals as directed by ED (Technical).

KRMPL was given the place of disposal by UPJN behind Polishing pond but KRMPL is disposing sludge near BFP and at other locations inside the plant without any permission.

xi. Joint Sampling and Testing by NABL Lab.

- Testing reports from Spectra research Lab ventures (P) Ltd. of the Joint sample taken on 29.09.2020, 16.10.2020, 18.03.2021, 09.04.2021, 15.07.2021, 30.07.2021, 27.11.2021 have not been submitted by concessionaire.
- KRMPL has started taking weekly samples from August 2021.
- KRMPL has started weekly sample testing by NABL accredited Sri Ram Labs from Dec. 2021.
- UPJN instructed KRMPL to discontinue weekly sampling & testing from M/s Sriram labs as the test results of Sriram labs is very much different from others and directed KRMPL to conduct weekly sampling & testing from IIT Kanpur from February 2022 onwards instead of M/s Sriram labs but KRMPL is still continuing to

get sampling and testing done by Sriram labs. The weekly results submitted for the month of Feb. 2022 have not been considered as per instructions of UPJN.

- KRMPL has not started the weekly sampling & testing to be done by IIT Kanpur as per instructions of UPJN for the month of February 2022 and March 2022.

xii. Gas Holder

- Out of 2 nos. gas holder installed, Gas holder no. 1 which was not in working condition since 28.01.2020 has now been made operational on 18.02.2022.
- Pressure gauge and level indicator have still not been provided on the gas holders which are pending since 28.01.2020.

xiii. Gas Scrubber Unit

- Scrubber is not working since 28.01.2020.
- On 18.02.2022, PE & UPJN officials visited Bingawan STP and it was found that blowers before scrubber unit were not working. Inlet pipe line to scrubber unit is found leaking and huge water splashing was found from the leakage point which also indicates that moisture removal equipments of the gas generation system are not working properly and not able to remove moisture from the bio gas which may further damage the processing of the scrubber. Also, KRMPL was unable to get the pressure checked at the outlet of scrubber unit and no pressure gauge was available at the outlet of scrubber unit.
- UPJN letter no. 116/w-12/12 dated 28.02.2022 may please be referred regarding above.

xiv. Housekeeping:-

- On 08.07.2021, NMCG team instructed KRMPL for improvement in housekeeping works.
- Also in Oct. 2021, ED (Technical), ED (Projects) & Project Officer (T) of NMCG have visited the site and raised concern over not deploying enough man power for housekeeping works.
- No Improvement has been made in the housekeeping works. Needs to be done on regular basis.

xv. Outdoor Lights:-

- Some of the outdoor lights in the campus of 210 MLD STP have been replaced on 16.02.2022 but many outdoor lights are still to be replaced.

xvi. Schedule Maintenance Works for 1st & 2nd year

- Schedule maintenance works as per approved O&M manual were to be started from 1/08/2020, but not started yet.
- KRMPL has not done any schedule maintenance works for year-1 as approved.
- 2nd year Schedule maintenance submitted by KRMPL vide letter no. 936 dated 19.02.2021. STC commented on Schedule maintenance vide letter no. 795 dated 15.04.2021. Schedule maintenance works are to be started after the plant is fully operational. Now again KRMPL has submitted the schedule maintenance plan for year 2nd vide KRMPL letter no. 1782 dated 29.09.2021 which is not to be considered till the plant is fully operational as the plant is in breakdown condition at present.

- Again KRMPL has submitted a letter no. 1887 dated 02.11.2021 for schedule maintenance programme on which we have issued a letter no. 1249 dated 09.11.2021, for making revision and resubmission of schedule maintenance programme year 02 after excluding breakdown maintenance items. KRMPL has not submitted the revised schedule maintenance programme year 02 yet.

xvii. KPIs Adherence Report

- PE again inspected KRMPL 210 MLD Bingawan lab on 25.03.2022 and observed that several instruction given by PE & NMCG team are still not being followed which is as follows;
 - a) Composite Sampling Containers were not placed in the refrigerator; instead it was placed at the sampling locations.
 - b) Labelling of sample bottles is not proper.
 - c) Calibration Tests of on-line instruments & Lab equipment are not performed.
 - d) Refrigerator is not in working condition.
 - e) SOPs available at the lab are incomplete.
 - f) Fecal Coliform tests need to be validated due to huge variation with the 3rd party lab results.
 - g) Recording of sampling date is improper (it is observed that the composite sampling initiated on 23/3/22 morning to 24/3/22 morning (24 hours) was labelled as 24/3/22).
 - h) Chemists do not have adequate orientation and training (evident from the above lapses indicated in points 1 to 7). Also, the chemist was not able to explain the procedure being adopted for different tests being conducted in the lab.
- As per the direction given by PM-1 UPJN, KPI adherence report of Bingawan from Feb. 2022 months onward, will be sent on the basis of IIT Kanpur test reports.
- In this regard, STC letter no. 1459, 1505 & 1523 dated 25.02.2022, 21.03.2022 & 31.03.2022 respectively, may be referred.
- KRMPL has not submitted IIT Kanpur test reports for the month of February & March 2022. Hence it is not possible for PE to sent KPI adherence report till the submission of IIT Kanpur test reports.

Enclosure: Site Inspection Reports for the Month of March-2022 (Bingawan STP)

Attached separately

Enclosure: Site Inspection Reports for the Month of March-2022 (Bingawan IPS)

Attached separately

Monthly Activity Report of Bingawan for February 2022

210 MLD SEWAGE TREATMENT PLANT, BINGAWAN, KANPUR																									
MONTHLY FLOW & LAB REPORT																									
MONTH-FEB-2022																									
Date	INLET FLOW in MLD	Plant Run in HRS	RAW SEWAGE						AFTER UASB REACTOR						FINAL OUTLET						Sludge Concentration	FECAL COLIFORM (<10000)	POWER SHUTDOWN		REMARK
			Temp	TDS	PH (7-8)	COD (523mg /l)	BOD (322mg /l)	TSS (418mg /l)	Temp	TDS	PH	COD	BOD	TSS	Temp	TDS	PH (7-8)	COD (<100 mg/l)	BOD (<30mg q/l)	TSS (<50mg q/l)			HRS	MINS	
			°c	ppm	ppm	ppm	ppm	ppm	°c	ppm	ppm	ppm	ppm	ppm	°c	ppm	ppm	ppm	ppm	ppm					
1/Feb/22	119.78	24.0	21	810	7.2	582	185	447	21	830	6.9	240	78	183	20	800	7.3	144	35	46	34.86	24130			
2/Feb/22	130.87	24.0	20	840	7.2	544	165	400	20	850	6.9	224	75	180	20	830	7.3	128	32	48	31.51	33300			
3/Feb/22	140.60	24.0	20	820	7.2	600	190	445	20	830	7.0	208	72	178	20	810	7.4	152	36	48	33.85	39642			
4/Feb/22	134.87	24.0	21	850	7.3	640	205	460	21	840	7.0	240	87	185	21	830	7.4	176	43	50	34.81	83250			
5/Feb/22	128.44	24.0	21	860	7.3	624	195	477	21	880	6.9	256	81	193	21	840	7.3	160	40	52	34.41	46961			
6/Feb/22	146.15	24.0	21	840	7.3	656	215	480	21	860	7.0	288	93	187	21	830	7.4	176	45	46	35.46	55500			
7/Feb/22	142.85	24.0	22	790	7.1	560	170	473	22	810	6.9	240	84	177	22	780	7.3	144	42	48	35.03	24130			
8/Feb/22	137.29	24.0	22	810	7.1	576	175	487	22	820	6.9	256	90	190	21	800	7.3	152	44	53	33.89	39642			
9/Feb/22	132.26	24.0	22	830	7.2	584	180	475	22	850	7.0	248	87	182	21	810	7.4	160	43	50	35.05	31714			
10/Feb/22	127.75	24.0	23	860	7.1	528	160	447	22	880	7.0	240	81	170	22	840	7.4	176	45	46	33.84	24130			
11/Feb/22	131.22	24.0	23	840	7.1	544	170	437	23	850	7.1	224	75	175	22	840	7.4	168	44	54	34.53	36075			
12/Feb/22	137.47	24.0	23	810	7.2	536	165	470	23	830	7.0	232	78	183	22	800	7.5	152	42	52	33.62	27750			
13/Feb/22	138.51	24.0	23	820	7.2	552	175	463	23	830	7.0	248	84	180	23	810	7.4	184	46	50	35.23	31714			
14/Feb/22	135.56	24.0	22	830	7.1	568	180	447	22	850	6.9	240	81	172	23	820	7.3	160	41	56	34.45	22200			
15/Feb/22	145.28	24.0	22	890	7.1	544	165	473	22	900	6.8	224	78	177	21	870	7.3	192	45	53	34.52	15136			
16/Feb/22	145.97	24.0	23	870	7.1	560	175	480	23	890	6.9	232	75	180	22	850	7.3	176	43	48	34.53	13536			
17/Feb/22	137.12	24.0	23	850	7.2	576	180	477	23	860	7.0	256	81	193	23	830	7.4	184	45	44	34.04	11892			
18/Feb/22	133.99	24.0	22	860	7.2	582	185	450	22	880	6.9	250	78	183	21	850	7.4	168	42	42	34.54	8829			
19/Feb/22	132.43	24.0	22	810	7.2	584	180	460	22	840	6.9	240	75	173	21	800	7.3	176	44	46	34.51	6000			
20/Feb/22	137.29	24.0	23	840	7.2	552	165	467	23	860	6.9	256	81	170	22	820	7.3	152	40	50	35.35	5450			
21/Feb/22	137.99	24.0	23	850	7.2	528	155	480	23	870	7.0	248	78	190	22	840	7.4	136	37	48	34.83	7143			
22/Feb/22	135.21	24.0	23	890	7.2	544	165	473	23	910	6.9	224	72	173	22	870	7.4	128	35	42	34.01	6000			
23/Feb/22	135.56	24.0	24	870	7.1	536	160	455	24	880	6.9	240	75	177	22	850	7.3	136	36	45	34.57	7143			
24/Feb/22	139.04	24.0	24	890	7.1	552	170	483	24	920	6.9	288	84	180	24	870	7.3	144	38	46	34.71	4549			
25/Feb/22	137.29	24.0	24	850	7.2	560	175	440	24	860	7.1	270	81	172	23	840	7.4	130	35	42	34.81	6559			
26/Feb/22	133.83	24.0	24	900	7.2	530	160	463	24	920	7.0	256	78	170	23	880	7.4	120	33	44	35.34	6000			
27/Feb/22	135.04	24.0	23	870	7.1	544	165	470	23	880	6.9	240	75	177	23	850	7.3	136	35	40	34.85	8829			
28/Feb/22	135.04	24.0	23	860	7.1	568	180	450	23	890	6.9	224	78	183	23	840	7.3	128	34	42	34.37	8538			
TOTAL	3804.70	24.00																							
AVG	135.88	24.00	22.39	846.79	7.17	566.93	175.36	461.75	22.36	863.21	6.95	244.00	79.82	179.75	21.82	832.14	7.35	154.93	40.00	47.54	34.48	24,495.00			

7.4 42 MLD SAJARI STP

42 MLD Sajari facilities were handed over to KRMPL on 29/05/2019 but as per CA schedule handing over date for Sajari Facilities is Effective Date i.e. 11/10/2019. Therefore, ultimate handing over date of Sajari has been treated as effective date i.e. 11.10.2019. 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. Mr. Madhav Kumar NMCG requested Mr. S. Kamaraju, Process Expert STC to visit the Sajari Plant to give his recommendations. Mr. S. Kamaraju Process Expert visited the Sajari Plant on 27-28 Dec 2019 and concluded that the Sajari Plant is designed for all 12 aerators to run without any standby but the plant was being run with 8 aerators only keeping 4 aerators as stand by. All the 12 aerators got functional on 04/01/2020 in the presence of Mr. J. P. Tripathi, O & M Engineer STC. After that it has been observed that since 04/01/2020 all the parameters of treated effluent are within prescribed limits except for the days when parameters of raw sewage are above the prescribed limits for which concessionaire is not responsible. Hence there is no need for any improvement in the plant as suggested by KRMPL.

Commercial Operation Date was declared as 20.06.2020 vide UPJN letter no. 1545/w-20/127 dated 17.06.2020 and again revised as 11.10.2019 i.e. effective date of the CA by UPJN vide their letter no. 2574/w-20/267 dated 26.09.2020. O&M charges from 11.10.2019 to sept.2020 have been paid to the concessionaire.

Following points are to be addressed by the KRMPL:-**i. Compliance of Inspection Reports.**

- PE/UPJN Inspected 42 MLD Sajari facilities on the following dates

1. 20.10.2021- IPS Inspection report issued on 25.10.2021
2. 18.11.2021- IPS Inspection report issued on 27.11.2021
3. 14.12.2021- IPS Inspection report issued on 24.12.2021
4. 21.12.2021 } STP Inspection report issued on 30.12.2021
5. 22.12.2021 }
6. 11.01.2022- STP Inspection report issued on 17.01.2022.
7. 20.01.2022- IPS Inspection report issued on 31.01.2022.
8. 08.02.2022- STP Inspection report issued on 10.02.2022.
9. 26.02.2022- IPS Inspection report issued on 28.02.2022.
10. 07.03.2022- STP Inspection report issued on 08.03.2022.
11. 31.03.2022- IPS Inspection report issued on 02.04.2022.

Compliance of the above inspection reports have not been submitted by KRMPL yet.

12. STC STP inspection done on 12.10.2021, 27.10.2021, 29.10.2021 & 18.11.2021 and inspection reports issued on 31.10.2021 & 27.11.2021 respectively.

Compliance of the above inspection reports was submitted by KRMPL vide KRMPL letter no. 2037 & 2041 dated 23.12.2021 & 24.12.2021 (received on 28.12.2021) respectively, which was verified by STC and it was found that various items informed

rectified by KRMPL, found not rectified. It shows that KRMPL submitting false and misleading compliance report. This has also been informed vide STC letter no. 1361 dated 30.12.2021.

Rectification of various defects indicated in different inspection reports from the start of the project has not been done by the KRMPL and they are extending dates continuously every month.

ii. O&M Manual

O&M Manual already approved by UP Jal Nigam.

iii. Insurance Policies

- STC insurance expert report has been submitted and KRMPL was required to submit all insurance policies according to advice of STC insurance expert.
- Again, KRMPL has submitted industrial all risk insurance policy vide its letter no. 1958 for year 2nd (i.e, Nov. 2020 to Nov. 2021). Previously it was taken for 68.8 crore that was to be increased by 5% and cost of DG set and online monitoring system was to be included but instead of increasing and including the cost of DG set and online monitoring system, the insured value has been decreased from 68.8 crore to 49.19 crore, which is not acceptable.
- KRMPL has not yet submitted the revised Insurance Policies for year 2nd (i.e, Nov. 2020 to Nov. 2021) incorporating the points raised in STC letter no. 1325A.
- KRMPL has submitted industrial all risk insurance policy vide its letter no. 2009 for year 3rd (i.e, Nov. 2021 to Nov. 2022). In which, whether 5% increment to 1st yr value & then 5% increment to that of 2nd yr. value is considered or not in the submitted 3rd yr. IAR policy, is not clear from the submittal. Also, the value addition for DG set & OCEMS is not given separately and whether 5% increment was made or not on 2nd yr. value for DG set & OCEMS, is not clear. On this, STC has issued a letter no. 1351 for compliance.
- Again KRMPL has submitted letter no. 2069 on which PE has issued a detailed explanation letter no. 1387 along with detailed attachment for compliance. All the issues had already been thoroughly mentioned in past PE's letter no. 1325A & 1351 but instead of complying them, KRMPL is providing misleading information.
- KRMPL has submitted revised IAR policy of Sajari vide KRMPL letter no. 2259 after correcting the address of Sajari only, rest points of PE letter no. 1387 dated 12.01.2022 are still not complied. PE has issued letter no. 1502 dated 14.03.2022 explaining the above.
- KRMPL has issued letter no. 2298 dated 16.03.2022 to which PE letter no. 1519 dated 30.03.2022 may be referred.

iv. Performance of Plant

All KPIs were within prescribed limit since 04.01.2020 but concessionaire started operating one stream from 22.06.2021. KPIs are coming within prescribed limit from the month of Oct. 2021. KRMPL has started operating both the stream from 18.10.2021. Now, KRMPL started operating only one stream from 06.12.2021.

All KPIs are within prescribed limit excluding **fecal coliform** of treated effluent.

v. Mechanical Screens (Coarse & Fine Screens)

Auto system of one mechanical coarse screen has been installed but not functioning properly. Auto system of 2nd no. mechanical coarse screen is not installed yet. Auto system of both fine mechanical screens is not functional. This issue is long pending.

Mechanical coarse screen no. 1 was found non-operational during our visit on 07.03.2022.

vi. Main pumping Station

- 2 Pumps out of 5 are non operational.
- Pressure gauges of 2nd no. pump was not available and rest pressure gauges needs to be changed.
- Electro-magnetic flow meter is not working properly and its calibration is still pending.

vii. Inlet Chamber

- Level sensors are not provided yet for mechanical fine screen atomization.
- Out of 02 grit removal system, Grit classifier no. 1 is not functioning properly.
- Parshall flume ultrasonic level sensor along with flow measuring chart had not been installed yet since handover dated 11.10.2019.

viii. Return Sludge Pump House

Return sludge pump no. 3 is non-operational since 09.12.2021 and the pressure gauge of pump no. 3 is not available.

ix. Chlorination System

- The missing tonners were finally brought at site on 11.12.2021 which was missing since 04.01.2020.
- Weighing machine is not available at site and the chlorine dosing entry is being made on theoretical calculation.
- Chlorination leak detecting device is not working since 31.07.2021.

x. Sludge Thickener

- After around 10 months of non-operational since 03.03.2021, Sludge thickener no. 2 was made operational on 07.01.2022.
- It has been observed that both the thickeners are only rotating and not thickening the sludge properly.
- It has been observed that both the thickeners are filled with sludge and influent is not properly treated by sludge thickener. It was observed that the sludge is being overflowing through the weir plates and the scum settled on the thickeners surface was being found manually cleaning and discharging into the outlet launder. Also, at various points weir plate was found damaged & chocked.
- Sludge thickeners are filled with sludge and proper sludge extraction is not being done by KRMPL.

xi. Gas Generators

- All 3 nos. of Gas Generators are in working condition but gas is available to operate only one gas generator for 3 to 4 hours a week.
- Bio gas flow meter is non-operational since months.

xii. Sludge Digester

- Out of 2 nos. sludge digester mixers installed, 01 no. (no.2) is not in working condition since June 2020. Also, EMF at the outlet of the digester installed is not in working condition.
- PE along with UPJN has inspected digester no. 2 on 11.01.2022 (PE's Letter no. 1385 should be referred regarding Digester no. 2 inspection) and it was found that the replaced impeller is colliding with the surrounding DI pipe which means installation work is not properly done which is required to be rectified. This is producing noise which may result in breakdown.
- KRMPL has again raised inspection call on 14.02.2022 on which PE along with UPJN have re-inspected digester no. 2 on 15.02.2022 (PE's Letter no. 1440 should be referred regarding Digester no. 2 re-inspection) and it was found that none of the issues raised by PE vide PE letter no. 1385 was complied by KRMPL.
- M/s Voltas Ltd. had inspected digester no. 2 on 07.03.2022 and submitted the inspection report vide KRMPL letter no. 2281 dated 07.03.2022. PE has reviewed the observation made in the inspection report of M/s Voltas Ltd. and recommended for consideration & acceptance as against point no. 2 in STC letter no. 1440 dated 16.02.2022. Rest issues like coal tar painting, rusted Nut bolt replacement etc were found not complied during PE visit to Sajari STP on 07.03.2022 & 31.03.2022. STC letter no. 1526 dated 01.04.2022 may be referred regarding the above.

xiii. Joint Sampling and Testing by NABL Lab.

- Testing reports from NABL accredited Laboratory Spectro Research Lab Ventures (P) Ltd of joint samples taken on 18.08.2020, 15.09.2020, 19.10.2020, 13.11.2021, 27.11.2021 have not been received yet.
- KRMPL has started weekly sample testing by NABL accredited Sri Ram Labs from Dec. 2021.
- UPJN instructed KRMPL to discontinue weekly sampling & testing from M/s Sriram labs as the test results of Sriram labs is very much different from others and directed KRMPL to conduct weekly sampling & testing from IIT Kanpur from February 2022 onwards instead of M/s Sriram labs but KRMPL is still continuing to get sampling and testing done by Sriram labs. The weekly results submitted for the month of Feb. 2022 have not been considered as per instructions of UPJN.
- KRMPL has not started the weekly sampling & testing to be done by IIT Kanpur as per instructions of UPJN for the month of February 2022 and March 2022.

xiv. Power backup and Online Monitoring System

DG set for power backup handed over to KRMPL by UPJN on 08.08.2020. RTOLMS has been installed and calibrated, handing over is pending. Outlet Analyzer Panel with sensor installed at site and synchronized with RTOLMS.

xv. Sludge Disposal

- As instructed by ED (Technical) on 08.10.2021 that sludge disposal is to be done as per norms of UPPCB. KRMPL and UPJN are required to follow the norms of UPPCB for disposal of sludge. Before disposal, analysis of sludge is to be done for heavy metals as directed by ED (Technical).
- Sludge drying beds are not being emptied as per cycle and sludge is not being disposed off regularly.
- From Nov. 2021, KRMPL has started emptying sludge drying beds and only 6 beds out of 18, are emptied and one bed is under process of emptying. Out of the 6 emptied beds, 3 beds are again filled with sludge and desludging is not being done.

xvi. Schedule Maintenance Programme

KRMPL has not done any schedule maintenance works as per approved O&M manual for the first year. KRMPL has submitted the schedule maintenance programmes for the 2nd year vide letter no.1135 dated 06.04.2021. PE commented on schedule maintenance programmes -2nd year vide letter no.788 dated 12.04.2021. KRMPL has submitted compliance report on schedule maintenance programmes -2nd year vide letter no.1266 dated 20.05.2021. UPJN instructed KRMPL to resubmit revised schedule maintenance program for year-2 for Sajari facilities incorporating the comments of PE vide letter no.1489/w-20/102 dated 09.06.2021 and start the works of schedule maintenance by taking shut down of one stream altogether. KRMPL has been operating only one stream from 22.06.2021 but no labour force has been deployed to start schedule maintenance work yet.

Both the streams had been started by KRMPL since 18.10.2021 without doing any schedule maintenance works. Now, KRMPL started operating only one stream from 06.12.2021. Still KRMPL has not started schedule maintenance works.

xvii. KPIs Adherence Report

- PE again inspected KRMPL 42 MLD Sajari lab on 31.03.2022 and observed that several instruction given by PE & NMCG team are still not being followed which is as follows;
 - a) Soxhelt apparatus is faulty with the temperature knobs not working properly (At least two out of five burners are not able to boil the samples to 150° C)
 - b) The chemist was not aware of COD temperature settling point for the Soxhelt apparatus.
 - c) The list of equipment working/not-working does not show adequate details about the condition of the equipment and details of repair/ replacement and calibration needs.

-
- d) Material Safety Data Sheets (MSDS) of the chemicals being used in the laboratory are not available.
 - e) The measurement of residual D.O in aeration basins using portable D.O meter were not being done in-situ in the tank, instead were measured in the samples taken outside of these basins, could lead to erroneous results.
 - As per the direction given by PM-1 UPJN, KPI adherence report of Sajari from Feb. 2022 months onward, will be sent on the basis of IIT Kanpur test reports.
 - In this regard, STC letter no. 1459, 1505 & 1523 dated 25.02.2022, 21.03.2022 & 31.03.2022 respectively, may be referred.
 - KRMPL has not submitted IIT Kanpur test reports for the month of February & March 2022. Hence it is not possible for PE to sent KPI adherence report till the submission of IIT Kanpur test reports.

Enclosure: Site Inspection Report for the Month of March 2022 (Sajari STP)

Attached separately

Enclosure: Site Inspection Report for the Month of March 2022 (Sajari IPS)

Attached separately

Monthly Activity Report of Sajari for February 2022

42 MLD SEWAGE TREATMENT PLANT, SAJARI, KANPUR MONTHLY FLOW & LAB REPORT																			
Feb/2022																			
Date	INLET FLOW in MLD	Plant Run in HRS	RAW SEWAGE						FINAL OUTLET						F.C (< 500)	SLUDGE ANALYSIS		POWER SHUTDOWN	REMARK
			Temp	TDS	pH	COD (450)	BOD (225)	TSS (600)	Temp	TDS	pH	COD (< 100)	BOD (< 30)	TSS (< 50)		Conc. (>20%)	F.c.(<10000 00)		
			°c	ppm		ppm	ppm	ppm	°c	ppm		ppm	ppm	ppm	MPN/100mL	%	(MPN/gTS)	HRS	
01 Feb 2022	18.98	24.00	20	1240	7.5	496	175	362	20	1080	8.0	112	26	42	493		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
02 Feb 2022	19.64	24.00	20	1220	7.5	512	180	382	21	1075	8.0	104	28	37.0	504		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
03 Feb 2022	19.55	24.00	20	1205	7.4	544	170	365	21	1070	7.9	112	26	40	466		3 Hrs : 25 Mins	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
04 Feb 2022	19.06	24.00	20	1214	7.5	464	190	380	20	1080	8.0	96	25	36.0	459		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
05 Feb 2022	18.40	24.00	20	1210	7.5	488	185	360	20	1170	7.9	104	29	34	500		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
06 Feb 2022	18.98	24.00	20	1190	7.4	552	178	370	20	1060	7.9	112	26	38	493		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
07 Feb 2022	19.64	24.00	20	1240	7.7	480	190	390	21	1080	8.0	96	23	40	500		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
08 Feb 2022	19.14	24.00	20	1230	7.5	496	195	365	21	1015	8.1	104	25	35	483		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
09 Feb 2022	19.55	24.00	20	1220	7.6	528	180	382	20	1010	8.0	112	24	37	500		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
10 Feb 2022	19.64	24.00	20	1260	7.6	480	185	365	20	1030	8.0	104	26	42	493		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
11 Feb 2022	18.89	24.00	20	1210	7.6	464	175	336	20	1010	8.0	96	24	45	483		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
12 Feb 2022	19.22	24.00	20	1240	7.6	512	195	370	20	1020	8.1	112	26	42	500		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
13 Feb 2022	18.56	24.00	20	1210	7.5	448	180	315	20	1015	7.9	88	25	37	466		0.00	ONE STREAM IS UNDER OPERATION	
14 Feb 2022	19.31	24.00	20	1180	7.6	520	192	340	20	1080	8.0	104	26	36	480		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
15 Feb 2022	18.98	24.00	20	1095	7.5	464	185	382	20	985	7.9	96	23	33	493		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
16 Feb 2022	19.64	24.00	20	1120	7.6	480	190	338	20	975	8.1	104	26	37	451		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
17 Feb 2022	19.31	24.00	20	1090	7.5	416	165	310	20	1005	7.9	88	22	32	483		0.00	ONE STREAM IS UNDER OPERATION	
18 Feb 2022	19.47	24.00	20	1080	7.6	432	190	320	21	990	8.0	80	24	34	493		0.00	ONE STREAM IS UNDER OPERATION	
19 Feb 2022	19.63	24.00	21	1130	7.5	496	182	364	21	1005	8.1	104	21	38	500		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
20 Feb 2022	19.31	24.00	21	1095	7.6	480	190	327	21	1010	8.0	96	23	35	466		0.00	ONE STREAM IS UNDER OPERATION	
21 Feb 2022	18.32	24.00	23	1138	7.5	544	195	362	21	1030	7.9	112	25	42	483		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
22 Feb 2022	18.98	24.00	23	1090	7.6	448	184	315	23	980	8.0	88	22	32	466		0.00	ONE STREAM IS UNDER OPERATION	
23 Feb 2022	19.64	24.00	22	1070	7.6	512	192	354	23	980	8.1	104	24	37	493		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
24 Feb 2022	18.56	24.00	22	1120	7.6	464	184	373	23	1050	8.0	96	22	34	500		0.00	ONE STREAM IS UNDER OPERATION	
25 Feb 2022	19.31	24.00	22	1130	7.6	496	190	364	23	1030	8.1	104	25	37	466		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
26 Feb 2022	18.98	24.00	22	1110	7.6	488	172	370	23	1020	8.1	88	21	38	493	66	6.1×10 ⁴	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
27 Feb 2022	19.14	24.00	23	1195	7.5	528	196	382	23	1035	8.2	112	23	45	500		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
28 Feb 2022	19.31	24.00	23	1210	7.6	544	190	376	23	1090	7.9	112	25	47	483		0.00	ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage	
TOTAL	537.06																		
AVG	19.18	24.00	20.79	1,169.36	7.55	492.00	184.82	357.82	21.04	1,035.00	8.00	101.43	24.46	37.93	485.36	66	6.1×10 ⁴	3 Hrs : 25 Mins	

Note: There is ingress of Industrial Waste water (coloured) at STP from Sangawan area, which was experienced on dates of 1,2,3,4,5,6,7,8,9,10,11,12,14,15,16,18,21, 25,26,27,28 February 2022

8. STATUS OF BEP & OTHER DETAILS

Status of BEPs & other detail are given in following table 8.1:

Table 8.1: BEPs and Design & Drawings detail

SN	STP Facility	Status / Remarks				
		BEPs	Structure Design & Drawings	Sewer Network	Construction Plan	O&M
A	New Facilities					
i	30 MLD STP - Pankha	Approved	All Approved	Approved	Revised CP (R2) vetted by PE letter no. 832/13.05.2021. Approved by UPJN	-
ii	15 MLD STP - Unnao	Approved	All Approved	Approved	Revised CP vetted by PE letter no. 826A/10.05.2021. Approved by UPJN letter vide no. 1291/M-18/09 dated 31.05.2021.	-
iii	05 MLD STP – Shuklaganj	Approved	MPS, Sludge Thickener, GR, BW, SBR, SQ, CCT, Admin Building, Blower Room & Centrifuge vetted by PE & IIT (R), under approval at UPJN;	Vetted by STC letter no. 1052 dated 12.08.2021	CP vetted by PE letter no.865/25.05.2021. Approved by UPJN letter vide no. 1379/WS-97/152 dated 09.06.2021	-
B	Rehabilitation and O&M for 15 years					
i	130 MLD STP - Jajmau (Phase I)	Approved except Control philosophy	GA & RCC design & drawing of CCT & TEPH is approved	-	The Concessionaire has submitted renovation plan on dated 28.05.2021. Approved by UPJN letter no. 1632/W-30/57 dated 24.06.2021 after rectification by KRMPL and STC is recommendation vide letter no. 931A dated 22.06.2021	-
SN	STP Facility	O&M Manual		Schedule Maintenance Programme		Remarks
C	O&M for 15 years					
i	43 MLD STP - Jajmau (Phase II)	<ul style="list-style-type: none">KRMPL has resubmitted the O&M manual and PE compliance for 43 MLD STP vide KRMPL letter no 2080 dated 10.01.2022 ,PE reviewed the compliances of revised O&M manual and issued a letter to KRMPL vide STC letter no 1411 dated 31.1.2022,PE issued a Reminder letter regarding resubmission of O&M manual and schedule maintenance plan for 43 MLD STP Jajmau facilities to KRMPL vide STC letter no. 1443 dated 17.02.2022 but KRMPL has not resubmit O&M manual after incorporating comments on KRMPL compliances.				Handover Done

		<ul style="list-style-type: none"> KRMPL has submitted Schedule Maintenance plan for first year of 43 MLD Jajmau Phase-II facilities vide KRMPL letter no.1909 dated 12.11.2021, PE reviewed and submitted comments on Schedule Maintenance plan vide PE letter no.1262 dated 12.11.2021. KRMPL is yet to resubmit Schedule Maintenance plan after incorporating comments given by PE. 		
ii	42 MLD STP - Sajari	Approved	<p>KRMPL has taken closure of 1 stream for schedule maintenance works of year-1 and year-2 from 22.06.2021. But no labour force has been deployed to start schedule maintenance works yet. Both the streams had been started by KRMPL since 18.10.2021 without doing any schedule maintenance works. Now, KRMPL started operating only one stream from 06.12.2021. Housekeeping is not proper and needs improvement.</p>	-
iii	210 MLD STP - Bingawan	Approved	<p>Schedule maintenance works as per approved O&M manual were to be started from 1/08/2020, but not started yet. 2nd year Schedule maintenance submitted by KRMPL vide letter no.936 dated 19.02.2021. STC commented on Schedule maintenance vide letter no.795 dated 15.04.2021. Schedule maintenance works are to be started after the plant is fully operational.</p> <p>Again KRMPL has submitted a letter no. 1887 dated 02.11.2021 for schedule maintenance programme on which we have issued a letter no. 1249 dated 09.11.2021, for making revision and resubmission of schedule maintenance programme year 02 after excluding breakdown maintenance items. KRMPL has not submitted the revised schedule maintenance programme year 02 yet.</p>	-

ANNEXURE

ANNEXURE 1: Progress of Work – HAM Project Kanpur

Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day taken	Time as per contract (days)	Delay if any (No. of days) [7=6-5]	Reason for delay*	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concessionaire	Reason for delay	Step taken by PE to avoid such delays	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
01.03.2022	Regarding Man days in the PE, NMCG Kanpur Project.	-	01.03.2022 S-1477A	-	20	-	-	Dr. Giridhar J.P.Tripathi L.K.Rao Priyesh Satendra Karamveer	1+1+1+1+1+1	-	-	-	Inform Safety expert, about maximum days input in a month are limited to 6 days, for the balance duration of NMCG Kanpur Project.
01.03.2022	Regarding Man days in the PE, NMCG Kanpur Project.	-	01.03.2022 S-1477B	-	20	-	-	Dr. Giridhar J.P.Tripathi Pankaj Rohit Ajay Rahul Anuj	1+1+1+1+1+1+1	-	-	-	Inform Senior Electrical Engineer, about maximum days input in a month are limited to 10 days, for the balance duration of NMCG Kanpur Project.
02.03.2022	Review of revised GA,	24.02.22 K-			20	-	-	Dr. Giridhar	1+1+1+1+1+1+1+1+1+1	-	-	-	Under review.

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Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day taken	Time as per contract (days)	Delay if any (No. of days) [7=6-5]	Reason for delay*	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concessionaire	Reason for delay	Step taken by PE to avoid such delays	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	for 130 MLD and 43 MLD STPs.							Prasoon L.K.Rao Priyesh Satendra Pankaj Rohit Ajay Rahul Anuj Karamveer					
05.03.2022	Safety inspection report of 15 MLD Unnao dt. 14 th & 18 th Feb, 2022.	-	05.03.2022 S-1479	-	20	-	-	Dr. Giridhar Prasoon L.K.Rao Priyesh Satendra Pankaj Karamveer	1+1+1+1+1+1+1	-	-	-	Inspection report submitted by PE.
05.03.2022	05 MLD STP Shuklaganj Site Safety inspection Report of dated 4 th March, 2022.	-	05.03.2022 S-1480	-	20	-	-	J.P.Tripathi L.K.Rao Priyesh Satendra Pankaj Rohit Ajay Rahul	1+1+1+1+1+1+1+1+1	-	-	-	Inspection report submitted by PE.

Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day taken	Time as per contract (days)	Delay if any (No. of days) [7=6-5]	Reason for delay*	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concessionaire	Reason for delay	Step taken by PE to avoid such delays	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
								Anuj Karamveer					
06.03.2022	Condition assessment of IC&A system for 42 MLD STP Sajari.	-	-	-	20	-	-	Prasoon	1	-	-	-	Under review.
07.03.2022	Regarding setting up of new lab at Jajmau complex for 130 MLD and 43 MLD STPs.	04.03.22 K-2256	07.03.2022 S-1481	-	20	-	-	Dr. Giridhar J.P.Tripathi Prasoon Sunil L.K.Rao Pankaj Rohit Ajay Anuj	1+1+1+1+1+1+1+1	-	-	-	Request UPJN to instruct KRMPL to supply laboratory instruments as recommended in required quantities as needed.
07.03.2022	Submission of MPR for the month of February 2022 for NMCG project.	-	07.03.2022 S-1482	-	20	-	-	Dr. Giridhar J.P.Tripathi Priyesh Satendra Pankaj Rohit Ajay	1+1+1+1+1+1+1+1	-	-	-	MPR for the month of February 2022 submit by PE.

Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day taken	Time as per contract (days)	Delay if any (No. of days) [7=6-5]	Reason for delay*	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concessionaire	Reason for delay	Step taken by PE to avoid such delays	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
								Anuj Karamveer					
08.03.2022	Regarding Non-reporting of critical breakdown/ failures of all the facilities.	-	08.03.2022 S-1483	-	20	-	-	Dr. Giridhar J.P.Tripathi Pankaj Rohit Ajay Anuj	1+1+1+1+1	-	-	-	Request UPJN to instruct KRMPL for timely reporting of any breakdown of all the facilities.
08.03.2022	Recommendation for Approval of revised GA, Technical Data sheet & QAP of Supernatant pump at 130 MLD Jajmau Phase- 1.	24.02.22 K-2234	08.03.2022 S-1484	12	20	-	-	Dr. Giridhar Ajay Anuj	1+1+1	-	-	-	Recommended for approval.
08.03.2022	Compliance to PE observation on MPR November 2021 of Jajmau phase- 1 facilities.	04.03.22 K-2255	08.03.2022 S-1485	04	20	-	-	Dr. Giridhar J.P.Tripathi Ajay Anuj	1+1+1+1	-	-	-	Request UPJN to instruct KRMPL to comply issues and observation given by PE on MPR.

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
08.03.2022	Revised Payment Milestone Plan for 05 MLD Shuklaganj STP facilities.	05.03.22 K-2258	08.03.2022 S-1486	03	20	-	-	Dr. Giridhar Priyesh Satendra Karamveer	1+1+1+1	-	-	-	Recommended for approval.
08.03.2022	Compliance to PE observation on MPR Jan 22 Bingawan facilities.	23.02.22 K-2209	08.03.2022 S-1487	13	20	-	-	Dr. Giridhar J.P.Tripathi Pankaj Rohit	1+1+1+1	-	-	-	Request UPJN to instruct KRMPL to comply issues and observation given by PE on MPR.
08.03.2022	Inspection Report of 42 MLD Sajari facilities, inspection done on 07.03.2022	-	08.03.2022 S-1488	-	20	-	-	J.P.Tripathi L.K.Rao Pankaj Rohit	1+1+1+1	-	-	-	Inspection report submitted by PE.
09.03.2022	Inspection Report of 130 MLD IPS and STP Jajmau facilities Phase I, Inspection done on 02.03.2022.	-	09.03.2022 S-1489	-	20	-	-	Dr. Giridhar Ajay Anuj	1+1+1	-	-	-	Inspection report submitted by PE.
09.03.2022	Revised	04.03.22	09.03.2022	05	20	-	-	Dr.	1+1+1+1	-	-	-	Recommended

Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day taken	Time as per contract (days)	Delay if any (No. of days) [7=6-5]	Reason for delay*	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concessionaire	Reason for delay	Step taken by PE to avoid such delays	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
2	Payment Milestone Plan for 15 MLD Unnao STP facilities.	2 K-2250	2 S-1490					Giridhar Priyesh Satendra Karamveer					for approval.
09.03.2022	Regarding Installation of SEDICELL Technology tanks (DAF) at 210 MLD Bingawan STP.	-	09.03.2022 S-1491	-	20	-	-	J.P.Tripathi Pankaj Rohit	1+1+1	-	-	-	PE submits our comments.
09.03.2022	Regarding Submission of revised Payment Milestone considering completion date 24.04.2022 for 30 MLD STP Pankha facilities.	09.03.22 K-2275	09.03.2022 S-1492	00	20	-	-	Dr. Giridhar Priyesh Satendra Karamveer	1+1+1+1	-	-	-	Vetted and recommended for approval.
10.03.2022	Comments on compliance for Gas Mixing System at 130 MLD Jajmau	02.03.22 K-2244	10.03.2022 S-1493	08	20	-	-	Dr. Giridhar J.P.Tripathi Pankaj	1+1+1+1+1+1	-	-	-	Request UPJN to instruct KRMPL to resubmit the compliance

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Phase- 1.							Rohit Ajay Anuj					report ASAP.
10.03.2022	Recommendation of IIT vetted RCC design and drawing for 15 MLD STP Unnao and 05 MLD STP Shuklaganj facilities.	07.03.22 K-2271	10.03.2022 S-1494	03	20	-	-	Dr. Giridhar Priyesh Satendra Karamveer	1+1+1+1	-	-	-	Vetted and recommended for approval.
10.03.2022	PE observation on Civil GA drawing of combined LT & HT panel room for 130 MLD and 43 MLD STP Jajmau.	08.03.22 K-2273	10.03.2022 S-1495	02	20	-	-	Dr. Giridhar J.P.Tripathi Ajay Anuj	1+1+1+1	-	-	-	PE submits our comments.
11.03.2022	PE observation on MPR February 2022 of Jajmau phase- II facilities.	07.03.22 K-2263	11.03.2022 S-1496	04	20	-	-	J.P.Tripathi Ajay Anuj	1+1+1	-	-	-	Directed KRMPL to resubmit the monthly performance report for February 2022 incorporating the said points.

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
11.03.2022	Observation on Monthly activity report for the month of February- 2022 along with comments on compliance to PE observation on MPR for Jan. 2022 of 42 MLD Sajari Facilities.	07.03.22 K-2262	11.03.2022 S-1497	04	20	-	-	Dr. Giridhar J.P.Tripathi Pankaj Rohit	1+1+1+1	-	-	-	Directed KRMPL to resubmit the monthly performance report for February 2022 incorporating the said points.
11.03.2022	Inspection report of 130 MLD STP Phase-1, inspection done on 09.03.2022.	-	11.03.2022 S-1498	-	20	-	-	Dr. Giridhar Ajay Anuj Karamveer	1+1+1+1	-	-	-	Inspection report Submitted by PE.
11.03.2022	Comments on GA & Technical data sheet along with QAP for submersible pump for 5 MLD STP Shuklaganj.	K-2102	11.03.2022 S-1499	-	20	-	-	Dr. Giridhar Priyesh Satendra Karamveer	1+1+1+1	-	-	-	Request UPJN to direct KRMPL to provide as required.
11.03.2022	PE observation on MPR February 2022	09.03.22 K-2264	11.03.2022 S-1500	-	20	-	-	Dr. Giridhar J.P.Tripat	1+1+1+1+1+1	-	-	-	Directed KRMPL to resubmit the

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	of 130 MLD STP Jajmau Phase-I facilities.							hi Pankaj Rohit Anuj Karamveer					monthly performance report for February 2022 incorporating the said points.
11.03.2022	Observation on Monthly activity report of 210 MLD Bingawan facilities for the month of Feb.-2022.	07.03.22 K-2261	11.03.2022 S-1501	04	20	-	-	J.P.Tripa hi Pankaj Rohit	1+1+1	-	-	-	Directed KRMPL to resubmit the monthly performance report for February 2022 incorporating the said points.
12.03.2022	Second Saturday												
13.03.2022	Sunday												
14.03.2022	IAR policy for Bingawan and Sajari.	05.03.22 K-2259	14.03.2022 S-1502	09	20	-	-	J.P.Tripa hi Pankaj Rohit Rahul Ajay Anuj	1+1+1+1+1+1	-	-	-	IAR policies of Bingawan and Sajari are not acceptable.

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
14.03.2022	2 nd RA Bill against variation order for trenchless work (extra works) at 15 MLD STP at Unnao.	26.02.22 K-2243	14.03.2022 S-1503	16	20	-	-	Dr. Giridhar Sunil A.K.Seth Satendra	1+1+1+1	-	-	-	Recommended for approval.
15.03.2022	Review of GA, Technical datasheet along with QAP for Gas holder membrane type dome for 130 MLD STP Jajmau Phase- 1	04.03.22 K-2248	-	-	20	-	-	Dr. Giridhar J.P.Tripa hi A.K.Seth Priyesh Satendra Pankaj Rohit Ajay Rahul Anuj	1+1+1+1+1+1+1+1+1+1	-	-	-	Under Review.
16.03.2022	Comments on GA, Technical datasheet along with QAP for Gas holder membrane type dome for 130 MLD STP Jajmau	04.03.22 K-2248	16.03.2022 S-1504	12	20	-	-	Dr. Giridhar J.P.Tripa hi A.K.Seth Priyesh Satendra Pankaj	1+1+1+1+1+1+1+1+1+1	-	-	-	PE submitting our comments.

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Phase- 1							Rohit Ajay Rahul Anuj					
17.03.2022	Holika Dahan (Holiday)												
18.03.2022	Holi (Holiday)												
19.03.2022	Bhai Dooj Holi (Holiday)												
20.03.2022	Sunday												
21.03.2022	Weekly sampling & testing by 3 rd Party Laboratory and KPI Adherence Reporting for O&M sites (Bingawan, Sajari & Jajmau facilities).	-	21.03.2022 S-1505	-	-	-	-	Dr. Giridhar J.P.Tripathi Priyesh Satendra Pankaj Rohit	1+1+1+1+1	-	-	-	Request UPJN to instruct KRMPL to conduct weekly sampling and testing from NABL Lab.
21.03.2022	Submission of Internal illumination for PCC and VCB panel room	10.03.2022 K-2282	21.03.2022 S-1510	11	20	-	-	Dr. Giridhar Priyesh Rahul Anuj	1+1+1+1+1	-	-	-	PE submitting our comments.

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Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day taken	Time as per contract (days)	Delay if any (No. of days) [7=6-5]	Reason for delay*	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concessionaire	Reason for delay	Step taken by PE to avoid such delays	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	SLD, Wiring Diagram, BOM & QAP of LT Panel & LPBS for 130 MLD STP Jajmau.	2294						A.K.Seth Priyesh Satendra Ajay Rahul Anuj					for early response so that final recommendation of LT Panel can be made.
23.03.2022	Techno commercial proposal for full automation of 42 MLD STP at Sajari.	11.03.22 K-2283	23.03.2022 S-1509	12	20	-	-	J.P.Tripa hi Satish Priyesh Satendra Pankaj Rohit Rahul	1+1+1+1+1+1+1	-	-	-	Recommended for approval.
24.03.2022	Submission of Cable tray documents for 5 MLD STP Shuklaganj.	08.03.22 K-2272	-	-	20	-	-	Dr. Giridhar J.P.Tripa hi Satish A.K.Seth Priyesh Satendra Pankaj Rohit Ajay Rahul Anuj	1+1+1+1+1+1+1+1+1+1	-	-	-	Under review.

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
25.03.2022	Submission of Cable tray documents for 5 MLD STP Shuklaganj.	08.03.22 K-2272	25.03.2022 S-1512	17	20	-	-	Dr. Giridhar J.P.Tripathi Satish A.K.Seth Priyesh Satendra Pankaj Rohit Ajay Rahul Anuj	1+1+1+1+1+1+1+1+1+1	-	-	-	Recommended for approval.
26.03.2022	Commented on Revised Technical datasheet along with QAP for Gas holder membrane type dome for 130 MLD STP Jajmau Phase- 1	23.03.22 K-2306	26.03.2022 S-1513	03	20	-	-	Dr. Giridhar J.P.Tripathi Priyesh Satendra Pankaj Rohit Ajay Rahul Anuj	1+1+1+1+1+1+1+1+1	-	-	-	Request UPJN to instruct KRMPL to submit point wise compliance.
26.03.2022	Inspection Report of 43 MLD IPS and STP Jajmau facilities Phase	-	26.03.2022 S-1514	-	20	-	-	Dr. Giridhar J.P.Tripathi Priyesh	1+1+1+1+1+1+1+1+1	-	-	-	Inspection report Submitted by PE.

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	II, Inspection done on 15.03.2022.							Satendra Pankaj Rohit Ajay Rahul Anuj					
26.03.2022	Submission of Data sheet, Catalogue & QAP of “Online Water quality analyzer” for 130 MLD Jajmau STP.	K-2171	26.03.2022 S-1515	-	20	-	-	Dr. Giridhar A.K.Seth Satish J.P.Tripathi Priyesh Satendra Pankaj Rohit Ajay Rahul Anuj	1+1+1+1+1+1+1+1+1+1	-	-	-	PE reviewed the submitted documents and submits comments of our Instrumentation expert.
27.03.2022	Review of FAT Procedure of Balance of Plant (BOP) PLC for 30 MLD STP at Pankha.	-	-	-	20	-	-	Prasoon	1	-	-	-	Under review.

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
28.03.2022	Completion of 7 th Milestone for Pankha facilities (30 MLD STP).	25.03.2022 K-2310	28.03.2022 S-1516	03	20	-	-	Dr. Giridhar A.K.Seth Priyesh Satendra Rahul	1+1+1+1+1	-	-	-	Request UPJN to direct KRMPL to submit 7 th Milestone as per latest approved milestone construction plan.
28.03.2022	Regarding status of Renovation / Construction plan for completion of 2 nd Milestone as on the target date of 15-March-2022 for 130 MLD STP Jajmau Phase-1.	26.03.2022 J-169/w-8/23	28.03.2022 S-1517	02	20	-	-	Dr. Giridhar Satish Pankaj Rohit Ajay Rahul Anuj	1+1+1+1+1+1+1	-	-	-	Request UPJN to instruct KRMPL to submit compliance report immediately.
28.03.2022	Comments on compliance of Technical datasheet for BFP and its ancillary equipment for	24.03.2022 K-2308	28.03.2022 S-1518	04	20	-	-	Dr. Giridhar J.P.Tripathi Prasoon Pankaj Rohit	1+1+1+1+1+1+1+1	-	-	-	Request UPJN to instruct KRMPL to resubmit compliance report for the proposed BFP

Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day taken	Time as per contract (days)	Delay if any (No. of days) [7=6-5]	Reason for delay*	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concessionaire	Reason for delay	Step taken by PE to avoid such delays	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	130 MLD STP Jajmau Phase-1.							Ajay Rahul Anuj					units immediately.
29.03.2022	Insufficient dosing of Chlorine at 210 MLD Bingawan STP.	25.03.22 J-165/w-12/13	-	-	20	-	-	Dr. Giridhar Satish A.K.Seth J.P.Tripa hi Priyesh Satendra Pankaj Rohit Ajay Rahul Anuj	1+1+1+1+1+1+1+1+1+1	-	-	-	Under review.
30.03.2022	IAR policy for Bingawan and Sajari.	16.03.22 K-2298	30.03.2022 S-1519	14	20	-	-	J.P.Tripa hi Pankaj Rohit	1+1+1	-	-	-	IAR policies of Bingawan and Sajari are not acceptable.
30.03.2022	Insufficient dosing of Chlorine at 210 MLD Bingawan STP.	25.03.22 J-165/w-12/13	30.03.2022 S-1520	05	20	-	-	J.P.Tripa hi Satish Satendra Sunil Pankaj Rohit	1+1+1+1+1+1+1	-	-	-	Inform UPJN for take necessary action.

Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day taken	Time as per contract (days)	Delay if any (No. of days) [7=6-5]	Reason for delay*	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concessionaire	Reason for delay	Step taken by PE to avoid such delays	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
								Rahul					
30.03.2022	Request regarding approval of Variation – Revised Proposal for PE Man-months Extension.	-	30.03.2022 S-1521	-	20	-	-	Dr. Giridhar J.P.Tripathi Priyesh Satendra Pankaj Rohit Ajay Rahul Anuj	1+1+1+1+1+1+1+1	-	-	-	Request NMCG for PE man-month extension.
31.03.2022	2 nd Milestone completion certificate for 130 MLD Jajmau (Phase-1) STP.	26.03.2022 J-147/w-8/19	31.03.2022 S-1522	05	20	-	-	Dr. Giridhar Priyesh Satendra Ajay Rahul Anuj	1+1+1+1+1+1	-	-	-	Completion certificate of 2 nd milestone for Jajmau Phase-1 can be issued considering overall progress of project.
31.03.2022	Sampling & testing by 3 rd Party Laboratory and KPI Adherence	23.03.2022 K-2305	31.03.2022 S-1523	08	20	-	-	J.P.Tripathi Prasoon Satish Priyesh	1+1+1+1+1+1+1+1	-	-	-	Request UPJN to instruct KRMPL to conduct weekly sampling and

Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day taken	Time as per contract (days)	Delay if any (No. of days) [7=6-5]	Reason for delay*	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concessionaire	Reason for delay	Step taken by PE to avoid such delays	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Reporting for O&M sites.							Satendra Pankaj Rohit Ajay Rahul					testing from NABL Lab (IIT Kanpur).
31.03.2022	Inspection report of 210 MLD Bingawan facilities, inspection done on 25.03.2022.	-	31.03.2022 S-1524	-	20	-	-	J.P.Tripathi Priyesh Satish Satendra Pankaj Rohit	1+1+1+1+1+1	-	-	-	Inspection report Submitted by PE.

Note: Man-days and respective inputs of experts for the month of March 2022 are:

SN	Name	Designation	Total Man-days	Input
1.	Dr. Giri Prabhu Kumar	Team Leader cum waste water expert	31	Timesheet attached
2.	Mr. Jai Prakash Tripathi	O&M Engineer	31	Timesheet attached
3.	Mr. Anil Kumar Seth	Senior Electrical Engineer	10	Timesheet attached
4.	Mr. Satish Kamaraju PE	Senior Process Engineer	10	Timesheet attached

5.	Mr. Sunil Basutkar	Senior Mechanical Engineer	03	Timesheet attached
6.	Mr. Prasoon Bhardwaj	Instrumentation Engineer	08	Timesheet attached
7.	Mr. Linga Krishna Rao	Safety expert	08	Timesheet attached

Annexure 2: Timesheets of Experts

(Attached Separately)

Annexure 3: Inspection Report of 130 MLD Jajmau STP I

(Attached Separately)

Annexure 4.1: Inspection Report 43 MLD Jajmau STP II

(Attached Separately)

Annexure 4.2: KPI Report 43 MLD Jajmau II

(Not submitted by KRMPL)

STC letter no. 1469 dated 28.02.2022 to KRMPL

STC letter no. 1505 dated 21.03.2022 to KRMPL

STC letter no. 1523 dated 31.03.2022 to KRMPL

Annexure 5.1: Inspection Report 210 MLD Bingawan

(Attached Separately)

Annexure 5.2: Inspection Report 210 MLD Bingawan IPS Facilities

(Attached Separately)

Annexure 5.3: KPI Report 210 MLD Bingawan

(Not submitted by KRMPL)

STC letter no. 1459 dated 25.02.2022 to KRMPL

STC letter no. 1505 dated 21.03.2022 to KRMPL

STC letter no. 1523 dated 31.03.2022 to KRMPL

Annexure 6.1: Sajari STP Inspection Report

(Attached Separately)

Annexure 6.2: Sajari IPS Inspection Report

(Attached Separately)

Annexure 6.3: Sajari KPI Report

(Not submitted by KRMPL)

STC letter no. 1462 dated 25.02.2022 to KRMPL

STC letter no. 1505 dated 21.03.2022 to KRMPL

STC letter no. 1523 dated 31.03.2022 to KRMPL