

# NATIONAL MISSION FOR CLEAN GANGA (NMCG)

MINISTRY OF JAL SHAKTI DEPARTMENT OF WATER RESOURCES,  
RIVER DEVELOPMENT & GANGA REJUVENATION, GOVT. OF INDIA



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

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

UNDER

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

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

## Monthly Progress Report

Of

Project Engineer

NOVEMBER - 2021



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Uttar Pradesh Jal  
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Uttar Pradesh -  
208002



**Funding Agency**  
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## TABLE OF CONTENTS

### CONTENTS

MONTHLY PROGRESS REPORT – HAM KANPUR .....	5
1. INTRODUCTION.....	5
2. HYBRID ANNUITY MODEL (HAM).....	6
3. OBJECTIVES .....	6
4. HAM KANPUR PROJECT AT A GLANCE .....	7
5. PROJECT WISE DETAILS OF COMPONENTS UNDER HAM KANPUR PROJECT .....	8
5.1 PANKHA FACILITIES.....	8
5.2 UNNAO FACILITIES.....	9
5.3 SHUKLAGANJ STP FACILITIES .....	9
5.4 JAJMAU (PHASE I) FACILITIES .....	10
5.5 JAJMAU PHASE II STP FACILITY .....	10
5.6 BINGAWAN FACILITIES .....	11
5.7 SAJARI FACILITIES.....	11
6. PHYSICAL PROGRESS OF WORK .....	12
6.1 MILESTONE WISE ACTIVITIES AND PROGRESS: PANKHA STP FACILITIES .....	13
6.2 MILESTONE WISE ACTIVITIES AND PROGRESS: UNNAO STP.....	42
6.3 MILESTONE WISE ACTIVITIES AND PROGRESS: SHUKLAGANJ STP.....	68
7. PRESENT STATUS AND ISSUES OF EXISTING STPS .....	88
7.1 JAJMAU (PHASE – 1) 130 MLD STP AND IPS REHABILITATION.....	88
7.2 43 MLD JAJMAU PHASE II.....	125
7.3 210 MLD Bingawan STP .....	127
7.4 42 MLD SAJARI STP .....	130
8. STATUS OF BEP & OTHER DETAILS.....	134

## LIST OF TABLES

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

## LIST OF FIGURES

Figure 1	:	Objectives of NMCG and UP JAL NIGAM
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## ABBREVIATIONS

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

## MONTHLY PROGRESS REPORT – HAM KANPUR

### 1. INTRODUCTION

The Govt. of India, recognizing that long-term rejuvenation of the river Ganga will have significant social and economic benefits on the lives of the 500 million people living along its basin, has identified cleaning of the river Ganga as one of its priorities. For this purpose, in May 2015, the GoI approved the flagship Namami Gange 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)

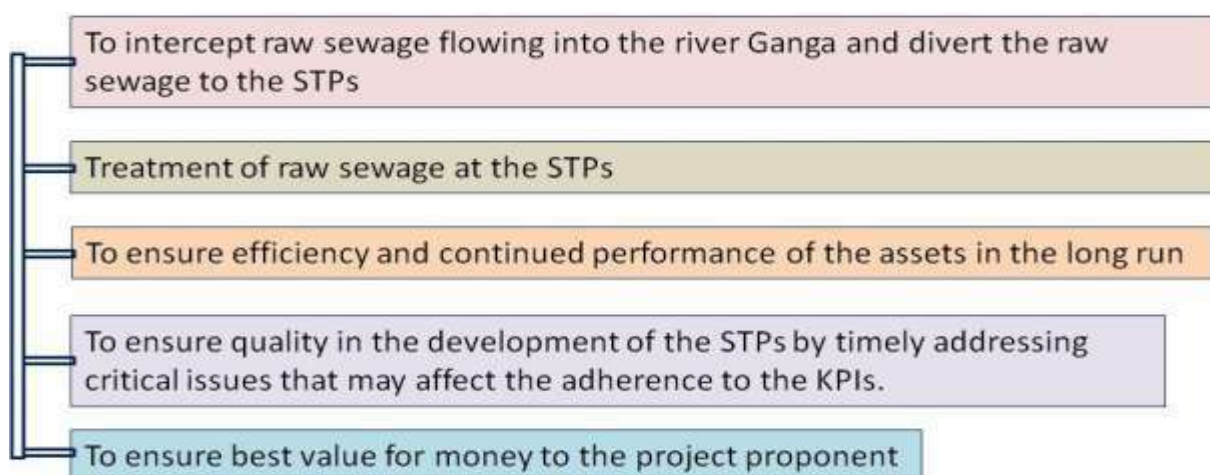
Government of India has approved the Namami Gange program as an integrated approach for effective abatement of pollution in river Ganga and Yamuna. As part of this and to ensure that no untreated domestic sewage flow into the river Ganga and Yamuna, various interventions are planned such as Interception & 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 4<sup>th</sup> February 2019 and agreement signed between the parties on 12<sup>th</sup> 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"> <li>➤ 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&amp;M;</li> <li>➤ Rehabilitation of 130 MLD (Phase-I) STP at Jajmau with construction of 200 MLD TEPS and 173 MLD CCT at Jajmau with O&amp;M for 15 years;</li> <li>➤ O&amp;M of 43 MLD (Phase-II) Jajmau facilities, O&amp;M of 210 MLD Bingawan facilities and O&amp;M of 42 MLD Sajari facilities for 15 years;</li> </ul>

## 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
<b>Date of Start- Effective Date (11.10.2019)</b>			
<b>Scope of Work- New Construction and O&amp;M</b>			
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
<b>Date of Start- Effective Date (11.10.2019)</b>			
<b>Scope of Work- New Construction and O&amp;M</b>			
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 $\phi$	3.6Km
5.	Manholes		46 nos.
6.	Rising main (MPS to STP)	750mm $\phi$	100m
7.	Rising main (bypass)	750mm $\phi$	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
<b>Date of Start- Effective Date (11.10.2019)</b>			
<b>Scope of Work- New Construction and O&amp;M</b>			
1.	STP	5 MLD	1
2.	Sump cum Pump house (MPS)	20 MLD	1
3.	Connecting sewer (in zone 2)	400-500mm $\phi$	200m
	Effluent Disposal line	400mm $\phi$	310m
	(I&D to STP)	600mm $\phi$	430m
	I&D works (Nala tapping)	45 MLD	1
4.	Collection chamber	3.5mx3.6mx1m	1
5.	Rising main (MPS to STP)	500mm $\phi$	50m
6.	Rising main (bypass)	500mm $\phi$	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
<b>Date of Start- Effective Date (11.10.2019)</b>		
<b>Scope of Work- Renovation and O&amp;M</b>		
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
<b>Date of Start- Effective Date (11.10.2019)</b>		
<b>Scope of Work- Renovation and O&amp;M</b>		
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
<b>Schedule Handing Over Date- 01.04.2019</b>		
<b>Scope of Work- Renovation and O&amp;M</b>		
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
<b>Schedule Handing Over Date- 11.10.2019</b>		
<b>Scope of Work- O&amp;M for 15 years</b>		
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 19<sup>th</sup> April 2019. Effective date for work execution under HAM Kanpur project was declared on 11<sup>th</sup> 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.

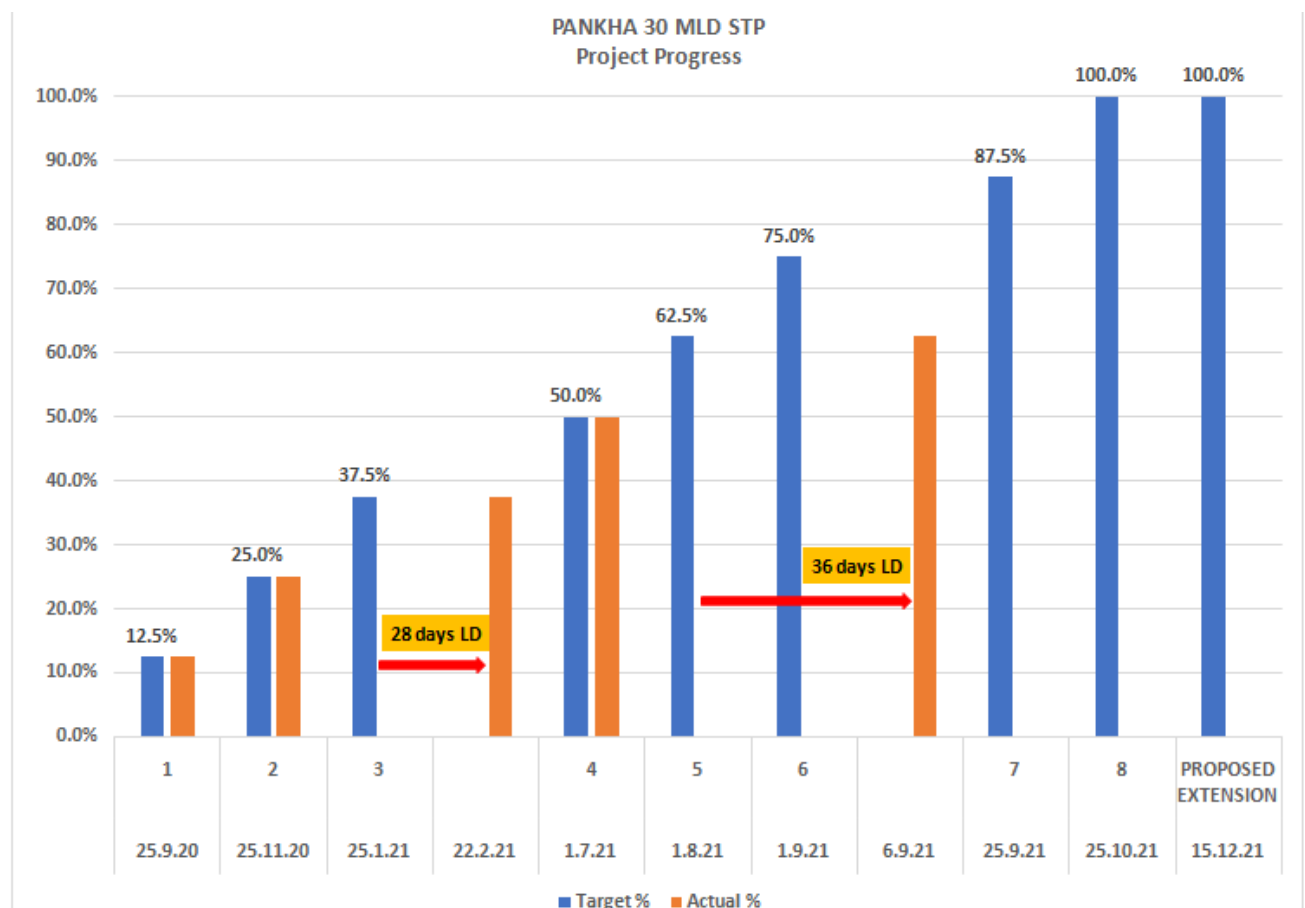
The overall physical progress of the facilities have been taken in the same proportion as financial progress as per milestones in approved Construction Plan. Overall progress can be monitored as project works have been divided in eight milestones each having progress of 12.5%. Execution of works of new 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 10<sup>th</sup> 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. 15<sup>th</sup> Dec. 2021. 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 extremely slow and unsatisfactory. Till date overall progress is approx 72% out of target of 100%. The schedule date for completion of the final 8<sup>th</sup> milestone (25.10.2021) has already been passed but till date only 5 milestones could have been completed by KRMPL. Also, compliance of ED (P) and JMD UPJN directions regarding deployment of adequate manpower and execution of work in double shift is not done by KRMPL. Status and progress of Pankha STP is as following:

- During Nov. 2021, 150-200 nos. of manpower / workers were deployed at the site. KRMPL need to increase the manpower over 250-300 as directed in the NMCG meeting dated 17.11.2021 so that simultaneous works on multiple site could be started to achieve the target on time;
- 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> & 5<sup>th</sup> milestone have been completed. LD for 28 days have been imposed for late completion of 3<sup>rd</sup> milestone (schedule date of completion 25.01.2021 while actual completed on 22.02.2021) and LD for 36 days have been imposed for late completion of 5<sup>th</sup> milestone on KRMPL (schedule date of completion 01.08.2021 while actual completed on 06.09.2021);



- 6<sup>th</sup> & 7<sup>th</sup> milestone completion dates have been missed by KRMPL on 01.09.2021 and 25.09.2021 respectively. Scheduled date for completion of final (8<sup>th</sup>) milestone was 25.10.2021, which is also missed. Presently, works of 6<sup>th</sup>, 7<sup>th</sup> & 8<sup>th</sup> milestones are in progress.

- In the NMCG meeting dated 17.11.2021, KRMPL assured that by 15.12.2021, major works related to STP will be completed and they will operate the STP by taking the flow of 5.5 MLD through Thermal Nala to MPS and run the STP with one train for the trial run operation.
- Status of progress of different STP units till Nov. 2021 are as following:

SN	STP Components	Overall Progress
1.	I&D (3 nos.)	
	Thermal Nala A	50% completed
	Sundar Nagar Thermal Nala B	-
	ICI Nala	Civil works completed
2.	Sewer Laying	10.8 km completed out of 16.624 Km
3.	Manhole	230 completed out of 408
4.	Rising Main	1.5 Km completed out of 7 Km
5.	MPS	65%
6.	PTU	70%
7.	SBR	90%
8.	Blower	80%
9.	CCT, Chlorination Building	80%
10.	Thickener, Supernatant Sump	90%
11.	Centrifuge	70%
12.	Admin Building	80%

### SUMMARY OF MILESTONE WISE PROGRESS AT PANKHA STP

Milestone	Schedule Completion date	Actual completion date	Milestone Amount	Targeted Progress till 30.11.2021		
				Milestone Amount	% Target	% Achieved
1st milestone	25.09.2020	25.09.2020	1248,39,750.00	1248,39,750	12.50%	12.50%
2nd milestone	25.11.2020	25.11.2020	1248,39,750.00	1248,39,750	12.50%	12.50%
3rd Milestone	25.01.2021	22.02.2021 LD	1248,39,750.00	1248,39,750	12.50%	12.50%
4th Milestone	01.07.2021	01.07.2021	1248,39,750.00	1237,80,372	12.50%	12.4%
5th Milestone	01.08.2021	06.09.2021 LD	1248,39,750.00	903,09,088	12.50%	9.04%
6th milestone	01.09.2021	Not completed	1248,39,750.00	679,24,865	12.5%	6.80%
7th milestone	25.09.2021	Not completed	1248,39,750.00	617,28,841	12.5%	6.18%
8th milestone	25.10.2021	Not completed	1248,39,750.00	27,83,840	12.5%	0.3%
Overall Progress	9987,18,000.00			6736,85,005	100%	72.1%
Total %	100.00%				100%	72.1%

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

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
1	<b>SBR Basin Area</b>												
	<b>CIVIL WORK</b>				-				-				
	Site Clearance				-				-				
	Excavation				-				-				
	PCC				-				-				
	RCC Foundation/Raft		-		-		-		-		-		
	Wall 50% of total lift work		-		-		-		-		-		
	Walls (balance 50% of Total Lift work)		-		-		-		-		-		
	Baffle Walls work		-		-		-		-		-		
	Walkway/Platform	30%	36,89,400	20%	24,59,600		-		-		-		
	Finishing Work		-		-	30%	43,78,800	25%	36,49,000	70%	102,17,200		
	<b>MECHANICAL WORK</b>				-				-				
	<b>A. DECANTERS</b>				-				-				
	(i) On supply of machinery/equipment at site				-				-				
	(ii) On completion of erection works				-		-		-	100%	36,89,400		
	(iii) On completion of Testing of equipment				-				-	100%	18,44,700		
					-				-				
	<b>B. DIFFUSERS</b>				-				-				
	(i) On supply of machinery/equipment at site	50%	104,53,300	50%	104,53,300	50%	104,53,300	50%	104,53,300				
	(ii) On completion of erection works				-		-		-	100%	24,59,600		
	(iii) On completion of Testing of equipment				-				-	100%	12,29,800		
					-				-				
	<b>C. RAS &amp; SAS PUMPS</b>				-				-				
	(i) On supply of machinery/equipment at site	50%	104,53,30	50%	104,53,300	50%	104,53,300	50%	104,53,300				



S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
			0										
	(ii) On completion of erection works				-		-		-	100%	24,59,600	40%	9,83,840
	(iii) On completion of Testing of equipment				-				-	100%	12,29,800		
					-				-				
	<b>D. PIPES &amp; FITTINGS</b>				-				-				
	(i) On supply of machinery/equipment at site		-		-				-				
	(ii) On completion of erection works				-	100 %	12,29,800	50%	6,14,900				
	(iii) On completion of Testing of equipment				-				-	100%	6,14,900	20%	
<b>2</b>	<b>Chlorine Contact Tank Area</b>				-				-				
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		
	PCC		-		-		-		-		-		
	RCC Foundation/Raft		-		-		-		-		-		
	Wall 50% of total lift work		-		-		-		-		-		
	Walls (balance 50% of Total Lift work)		-		-		-		-		-		
	Baffle Walls work		-		-		-		-		-		
	Finishing Work	100 %	27,67,050		-		-		-		-		
<b>3</b>	<b>Chlorination House Area</b>				-				-				
	<b>CIVIL WORK</b>				-				-				
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		
	PCC		-		-		-		-		-		
	RCC Foundation/Column footing		-		-		-		-		-		
	Column & Beam		-		-		-		-		-		
	Ground floor Slab		-		-		-		-		-		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
	Column & Beam		-		-		-		-		-		
	Roof Slab		-		-		-		-		-		
	Brickwork & Plaster		-		-		-		-		-		
	Finishing Work	100 %	18,44,700		-		-		-		-		
	<b>MECHANICAL WORK</b>				-				-				
	<b>A. CHLORINATION SYSTEM</b>				-				-				
	(i) On supply of machinery/equipment at site	100 %	31,35,990		-				-				
	(ii) On completion of erection works				-	100 %	3,68,940		-				
	(iii) On completion of Testing of equipment				-				-	100%	1,84,470		
					-				-				
	<b>B. HOIST WORKS</b>				-				-				
	(i) On supply of machinery/equipment at site	100 %	7,83,998	100 %	7,83,998				-				
	(ii) On completion of erection works				-	100 %	92,235		-				
	(iii) On completion of Testing of equipment				-				-	100%	46,118		
					-				-				
	<b>ELECTRICAL &amp; INSTRUMENTATION WORK</b>				-				-				
	(i) On supply of machinery/equipment at site	100 %	15,67,995		-				-				
	(ii) On completion of erection works				-	100 %	1,84,470		-				
	(iii) On completion of Testing of equipment				-				-	100%	92,235		
4	<b>Sludge Thickener Area</b>				-				-				
	<b>CIVIL WORK</b>				-				-				
	Site Clearance		-		-		-		-		-		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
	Excavation		-		-		-		-		-		
	PCC		-		-		-		-		-		
	RCC Foundation wall/base slab		-		-		-		-		-		
	Wall 50% of total lift work		-		-		-		-		-		
	Walls (balance 50% of Total Lift work)		-		-		-		-		-		
	Finishing Work	100 %	18,44,700	50%	9,22,350		-		-		-		
	<b>MECHANICAL WORK</b>				-				-				
	<b>SLUDGE THICKENER MECHANISM</b>				-				-				
	(i) On supply of machinery/equipment at site				-				-				
	(ii) On completion of erection works				-				-				
	(iii) On completion of Testing of equipment	100 %	2,76,705		-				-				
5	<b>Inlet / Stilling Chamber Area</b>				-				-				
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		
	PCC		-		-		-		-		-		
	RCC Foundation/Column footing		-		-		-		-		-		
	Column & Beam		-		-		-		-		-		
	RCC Slab		-		-		-		-		-		
	RCC Wall		-		-		-		-		-		
	Final finishing including Staircases,Railing,Shade,Painting, etc.	100 %	12,29,800		-		-		-		-		
6	<b>Manual &amp; Mechanical Fine Bar Screen Chamber Area</b>				-				-				
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		
	PCC		-		-		-		-		-		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
	RCC Foundation		-		-		-		-		-		
	Column & Beam		-		-		-		-		-		
	RCC Slab		-		-		-		-		-		
	RCC Wall	100 %	12,29,800	100 %	12,29,800		-		-		-		
	Walkway/Platform		-		-	100 %	12,29,800	100 %	12,29,800		-		
	Finishing Work		-		-	20%	2,45,960		-	80%	9,83,840		
7	<b>Grit Chamber (Mechanical Cleaned) &amp; (Manually Cleaned)</b>				-				-				
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		
	PCC		-		-		-		-		-		
	RCC Foundation		-		-		-		-		-		
	Column & Beam		-		-		-		-		-		
	RCC Slab		-		-		-		-		-		
	RCC Wall	100 %	12,29,800	90%	11,06,820		-		-		-		
	Walkway/Platform		-		-	100 %	12,29,800	70%	8,60,860		-		
	Finishing Work		-		-		-		-	100%	12,29,800		
	<b>MECHANICAL WORK</b>				-				-				
	<b>A.MECHANICAL FINE SCREEN</b>				-				-				
	(i) On supply of machinery/equipment at site		-		-		-		-				
	(ii) On completion of erection works				-	100 %	2,45,960	100 %	2,45,960				
	(iii) On completion of Testing of equipment				-				-	100%	1,22,980		
	<b>B.MANUAL FINE SCREEN</b>				-				-				
	(i) On supply of machinery/equipment at site		-		-		-		-				

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
	(ii) On completion of erection works				-	100 %	3,68,940	100 %	3,68,940				
	(iii) On completion of Testing of equipment				-				-	100%	1,84,470		
	<b>C.GATES</b>				-				-				
	(i) On supply of machinery/equipment at site	100 %	20,90,660		-		-		-				
	(ii) On completion of erection works				-	100 %	2,45,960		-				
	(iii) On completion of Testing of equipment				-				-	100%	1,22,980		
	<b>D.CONVEYOR BELTS</b>				-				-				
	(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		-				
	(iii) On completion of Testing of equipment				-				-	100%	1,22,980		
	<b>E. GRIT MECHANISM</b>				-				-				
	(i) On supply of machinery/equipment at site		-		-				-				
	(ii) On completion of erection works				-	100 %	6,14,900		-				
	(iii) On completion of Testing of equipment				-				-	100%	3,07,450		
					-				-				
<b>8</b>	<b>Flow Measurement Channel Area</b>				-				-				
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		
	PCC		-		-		-		-		-		
	RCC Foundation		-		-		-		-		-		
	Column & Beam		-		-		-		-		-		
	RCC Slab		-		-		-		-		-		
	RCC Wall	100	24,59,600	95%	23,36,620		-		-		-		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
		%											
	Walkway/Platform		-		-	100 %	12,29,800	90%	11,06,820	50%	6,14,900		
	Finishing Work		-		-	20%	4,91,920		-	80%	19,67,680		
9	<b>Admin Bldg Area</b>				-				-				
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		
	PCC		-		-		-		-		-		
	Column footings/Foundation		-		-		-		-		-		
	Column & Beam		-		-		-		-		-		
	Ground Floor Slab		-		-		-		-		-		
	1st Floor Slab	100 %	18,44,700	100 %	18,44,700		-		-		-		
	Roof Slab		-		-	100 %	18,44,700	100 %	18,44,700		-		
	Brickwork & Plaster	50%	13,83,525	50%	13,83,525	50%	13,83,525		-		-		
	Finishing Work		-		-		-		-	100%	18,44,700		
	<b>ELECTRICAL WORK</b>				-				-				
	<b>LT/HT PANEL</b>				-				-				
	(i) On supply of machinery/equipment at site				-	100 %	73,85,990	50%	36,92,995				
	(ii) On completion of erection works				-				-	100%	13,03,410		
	(iii) On completion of Testing of equipment				-				-	100%	4,34,470		
	<b>PLC/SCADA SYSTEM</b>				-				-				
	(i) On supply of machinery/equipment at site				-		-		-	100%	73,85,990		
	(ii) On completion of erection works				-				-	100%	13,03,410		
	(iii) On completion of Testing of equipment				-				-	100%	4,34,470		
					-				-				

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
1 0	<b>Air Blower Room Area</b>				-				-				
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		
	PCC		-		-		-		-		-		
	Column footings/Foundation		-		-		-		-		-		
	Column & Beam		-		-		-		-		-		
	RCC Ground Floor Slab		-		-		-		-		-		
	RCC Roof Slab	100 %	15,37,250	100 %	15,37,250		-		-		-		
	Brickwork & Plaster	25%	3,84,313	5%	76,863	25%	3,84,313		-	50%	7,68,625		
	Finishing Work		-		-		-		-	100%	15,37,250		
	<b>MECHANICAL WORK</b>				-				-				
	<b>AIR BLOWER(PUMP)</b>				-				-				
	(i) On supply of machinery/equipment at site				-	100 %	39,19,988		-				
	(ii) On completion of erection works				-				-	100%	4,61,175		
	(iii) On completion of Testing of equipment				-				-	100%	2,30,588		
	<b>ELECTRICAL WORK</b>				-				-				
	<b>AIR BLOWER(MOTOR)</b>				-				-				
	(i) On supply of machinery/equipment at site				-		-		-	100%	52,26,650		
	(ii) On completion of erection works				-				-	100%	6,14,900		
	(iii) On completion of Testing of equipment				-				-	100%	3,07,450		
1 1	<b>Staff Quarter Area</b>				-				-				
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		
	PCC		-		-		-		-		-		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
	RCC Foundation/column footing		-		-		-		-		-		
	Column & Beam		-		-		-		-		-		
	RCC Ground Floor Slab	100 %	12,91,290	100 %	12,91,290		-		-		-		
	RCC Roof Slab		-		-	100 %	8,60,860	100 %	8,60,860		-		
	Brickwork & Plaster		-		-	40%	3,44,344	50%	4,30,430	60%	5,16,516		
	Electrical work		-		-	25%	3,22,823		-	75%	9,68,468		
	Finishing Work		-		-		-		-	100%	8,60,860		
1 2	<b>Guard Room Area</b>				-				-				
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		
	PCC		-		-		-		-		-		
	RCC Foundation/column footing		-		-		-		-		-		
	Column & Beam		-		-		-		-		-		
	RCC Ground Floor Slab	100 %	5,53,410		-		-		-		-		
	RCC Roof Slab	100 %	3,68,940		-		-		-		-		
	Brickwork & Plaster	100 %	3,68,940		-		-		-		-		
	Electrical work		-		-	100 %	5,53,410		-		-		
	Finishing Work		-		-	40%	1,47,576		-	60%	2,21,364		
1 3	<b>Sludge Dewatering System Area (Centrifuge Pump House, Sludge sump &amp; Poly dosing tank)</b>				-				-				
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		
	PCC		-		-		-		-		-		



S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
	RCC Foundation		-		-		-		-		-		
	1st Column & Beam		-		-		-		-		-		
	Ground Floor Slab		-		-		-		-		-		
	2nd Column & Beam	50%	15,37,250	50%	15,37,250		-		-		-		
	RCC Roof Slab	100 %	30,74,500		-		-		-		-		
	Brickwork & Plaster		-		-	100 %	30,74,500		-		-		
	Finishing Work		-		-		-		-	100%	30,74,500		
	<b>MECHANICAL WORK</b>				-				-				
	<b>CENTRIFUGE UNIT</b>				-				-				
	(i) On supply of machinery/equipment at site				-	100 %	39,19,988	100 %	39,19,988				
	(ii) On completion of erection works				-				-	100%	4,61,175		
	(iii) On completion of Testing of equipment				-				-	100%	2,30,588		
	<b>CENTRIFUGE FEED PUMP</b>				-				-				
	(i) On supply of machinery/equipment at site				-		-		-				
	(ii) On completion of erection works				-	100 %	3,07,450		-		-		
	(iii) On completion of Testing of equipment				-				-	100%	1,53,725		
	<b>POLY DOSING PUMPS</b>				-				-				
	(i) On supply of machinery/equipment at site				-		-		-		-		
	(ii) On completion of erection works				-				-	100%	1,53,725		
	(iii) On completion of Testing of equipment				-				-	100%	76,863		
1 4	<b>Supernatant Recirculation Sump Area</b>				-				-				
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
	PCC		-		-		-		-		-		
	RCC Foundation wall/base slab		-		-		-		-		-		
	Wall 50% of total lift work		-		-		-		-		-		
	Walls (balance 50% of Total Lift work)		-		-		-		-		-		
	Final finishing including Staircases,Railing,Shade,Painting etc.	100 %	18,44,700	50%	9,22,350		-		-		-		
	<b>MECHANICAL WORK</b>				-				-				
	<b>PUMPING SYSTEM</b>				-				-				
	(i) On supply of machinery/equipment at site		-		-		-		-				
	(ii) On completion of erection works				-	100 %	6,45,645	30%	1,93,694				
	(iii) On completion of Testing of equipment				-				-	100%	3,22,823		
					-				-				
1 5	<b>Transformer Yard Area</b>				-				-				
	Site Clearance		-		-		-		-		-		
	Excavation & PCC		-		-		-		-		-		
	Foundation Work		-		-		-		-		-		
	Finishing Work	100 %	7,37,880		-		-		-		-		
	<b>ELECTRICAL WORK</b>				-				-				
	<b>TRANSFORMER</b>				-				-				
	(i) On supply of machinery/equipment at site	100 %	31,35,990	100 %	31,35,990				-				
	(ii) On completion of erection works				-	100 %	3,68,940	100 %	3,68,940				
	(iii) On completion of Testing of equipment				-		-		-	100%	1,84,470		
	<b>CABLE &amp; CABLE TRAY</b>				-				-				
	(i) On supply of machinery/equipment at site	100	30,31,457		-				-				

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
		%											
	(ii) On completion of erection works				-	100 %	3,56,642		-				
	(iii) On completion of Testing of equipment				-		-		-	100%	1,78,321		
1 6	<b>DG Area</b>				-				-				
	Site Clearance		-		-		-		-		-		
	Excavation & PCC		-		-		-		-		-		
	Foundation Work		-		-		-		-		-		
	Finishing Work		-		-	100 %	5,53,410		-		-		
	<b>ELECTRICAL WORK</b>				-				-				
	<b>DG SET</b>				-				-				
	(i) On supply of machinery/equipment at site		-		-	100 %	32,92,790		-				
	(ii) On completion of erection works				-	100 %	3,87,387		-				
	(iii) On completion of Testing of equipment				-	100 %	1,93,694		-				
	<b>CABLE &amp; CABLE TRAY</b>				-				-				
	(i) On supply of machinery/equipment at site	100 %	16,46,395		-				-				
	(ii) On completion of erection works				-	100 %	1,93,694		-				
	(iii) On completion of Testing of equipment				-		-		-	100%	96,847		
1 7	<b>Sludge Storage Platform</b>				-				-				
	Site Clearance		-		-		-		-		-		
	Excavation & PCC		-		-		-		-		-		
	Foundation Work		-		-		-		-		-		
	Finishing work	100	1,00,000		-		-		-		-		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
		%											
1 8	<b>EXTERNAL DEVELOPMENT</b>				-				-				
A.	Roads, Storm Water Drain & Miscellaneous work		-		-	40%	50,40,000		-	60%	75,60,000		
B.	<b>Compound Wall with Gate</b>		-		-		-		-		-		
	Excavation & PCC		-		-		-		-		-		
	RCC Column footing		-		-		-		-		-		
	RCC Column & Beam		-		-		-		-		-		
	Brickwork & Plaster	10%	6,14,900	10%	6,14,900	10%	6,14,900		-		-		
	Finishing Work	20%	12,29,800	20%	12,29,800	30%	18,44,700	5%	3,07,450	30%	18,44,700		
1 9	<b>MPS-2 ( 115MLD)</b>				-				-				
	<b>CIVIL</b>		-		-		-		-		-		
A	<b>Construction of Raw Sewage Sump</b>		-		-		-		-		-		
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		
	PCC		-		-		-		-		-		
	RCC Foundation/Raft		-		-		-		-		-		
	Wall 50% of total lift work		-		-		-		-		-		
	Column & Beam	35%	13,42,341	35%	13,42,341		-		-		-		
	Walls (balance 50% of Total Lift work)	50%	19,17,630	50%	19,17,630		-		-		-		
	Ground Floor Slab	100 %	38,35,260		-		-		-		-		
	Finishing Work		-		-	50%	12,78,420		-	50%	12,78,420		
B	<b>Construction of Inlet Chamber &amp; Screen Channel</b>		-		-		-		-		-		
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
	PCC		-		-		-		-		-		
	RCC Foundation/Raft		-		-		-		-		-		
	Wall 50% of total lift work		-		-		-		-		-		
	Walls (balance 50% of Total Lift work)	75%	12,78,420	75%	12,78,420		-		-		-		
	Walkway/Platform	100 %	17,04,560	100 %	17,04,560		-		-		-		
C	<b>Construction of Raw Sewage Pump House</b>		-		-		-		-		-		
	Column & Beam	100 %	15,98,025	50%	7,99,013		-		-		-		
	Roof Slab	100 %	15,98,025		-		-		-		-		
	Brickwork & Plaster		-		-	100 %	15,98,025		-		-		
	Finishing Work		-		-		-		-	100%	15,98,025		
D	<b>MECHANICAL WORK</b>		-		-		-		-		-		
	<b>Coarse Screen mechanical &amp; manual</b>		-		-				-				
	(i) On supply of machinery/equipment at site				-		-		-		-		
	(ii) On completion of erection works				-				-	100%	5,32,675		
	(iii) On completion of Testing of equipment				-				-	100%	2,66,338		
	<b>Piping &amp; Support work</b>		-		-				-				
	(i) On supply of machinery/equipment at site		-		-	100 %	45,27,738	75%	33,95,803		-		
	(ii) On completion of erection works				-				-	100%	5,32,675		
	(iii) On completion of Testing of equipment				-				-	100%	2,66,338		
	<b>Gate Work</b>		-		-				-				
	(i) On supply of machinery/equipment at site				-		-		-		-		
	(ii) On completion of erection works				-				-	100%	7,45,745		
	(iii) On completion of Testing of equipment				-				-	100%	3,72,873		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
	<b>Pumps</b>		-		-				-				
	(i) On supply of machinery/equipment at site		-		-		-		-		-		
	(ii) On completion of erection works				-				-	100%	11,71,885		
	(iii) On completion of Testing of equipment				-				-	100%	5,85,943		
<b>2 0</b>	<b>ICI Nala IPS</b>				-				-				
	<b>CIVIL</b>		-		-		-		-		-		
<b>A</b>	<b>Construction of Raw Sewage Sump</b>		-		-		-		-		-		
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		
	PCC		-		-		-		-		-		
	RCC Foundation/Raft		-		-		-		-		-		
	Wall 50% of total lift work		-		-		-		-		-		
	Column & Beam	75%	19,17,000	15%	3,83,400		-		-		-		
	Walls (balance 50% of Total Lift work)	40%	10,22,400	40%	10,22,400		-		-		-		
	Ground Floor Slab	100 %	25,56,000		-		-		-		-		
	Finishing Work		-		-	100 %	12,78,000		-		-		
<b>B</b>	<b>Construction of Inlet Chamber &amp; Screen Channel</b>		-		-		-		-		-		
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		
	PCC		-		-		-		-		-		
	RCC Foundation/Raft		-		-		-		-		-		
	Wall 50% of total lift work		-		-		-		-		-		
	Walls (balance 50% of Total Lift work)		-		-		-		-		-		
	Walkway/Platform	100 %	4,26,000		-		-		-		-		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
	Finishing work		-		-	100 %	4,26,000		-		-		
C	<b>Construction of Raw Sewage Pump House</b>		-		-		-		-		-		
	Column & Beam		-		-	100 %	7,99,013		-		-		
	Roof Slab		-		-	100 %	7,99,013		-		-		
	Brickwork & Plaster		-		-		-		-	100%	7,99,013		
	Finishing Work		-		-		-		-	100%	7,99,013		
D	<b>Construction of Office Room</b>		-		-		-		-		-		
	Site Clearance		-		-		-		-		-		
	Excavation & PCC		-		-		-		-		-		
	RCC Foundation/column footing	100 %	6,39,000		-		-		-		-		
	Column & Beam	100 %	2,13,000		-		-		-		-		
	RCC Ground floor Slab	100 %	2,13,000		-		-		-		-		
	RCC Roof Slab	100 %	2,13,000		-		-		-		-		
	Brick work & Plaster		-		-	100 %	2,13,000		-		-		
	Electrification, plumbing, fixtures		-		-	50%	1,06,500		-	50%	1,06,500		
	Finishing work		-		-		-		-	100%	2,13,000		
E	<b>Construction of Guard Room</b>		-		-		-		-		-		
	Site Clearance		-		-		-		-		-		
	Excavation & PCC		-		-		-		-		-		
	RCC Foundation/column footing	100 %	6,39,000		-		-		-		-		
	Column & Beam	100 %	2,13,000		-		-		-		-		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
	RCC Ground floor Slab	100 %	2,13,000		-		-		-		-		
	RCC Roof Slab		-		-	100 %	2,13,000		-		-		
	Brick work & Plaster		-		-	50%	1,06,500		-	50%	1,06,500		
	Electrification, plumbing, fixtures		-		-	25%	53,250		-	75%	1,59,750		
	Finishing work		-		-		-		-	100%	2,13,000		
F	<b>Transformer Yard,DG Yard</b>		-		-		-		-		-		
	Site Clearance		-		-		-		-		-		
	Excavation & PCC	100 %	6,39,210		-		-		-		-		
	Foundation Work	100 %	15,98,025		-		-		-		-		
	Finishing Work	100 %	9,58,815		-		-		-		-		
G	<b>MECHANICAL WORK</b>		-		-		-		-		-		
	<b>Piping &amp; Support work</b>		-		-		-		-		-		
	(i) On supply of machinery/equipment at site				-	100 %	9,05,548	30%	2,71,664				
	(ii) On completion of erection works				-				-	100%	1,06,535		
	(iii) On completion of Testing of equipment				-				-	100%	53,268		
	<b>Screen Channel</b>		-		-				-		-		
	(i) On supply of machinery/equipment at site				-		-		-		-		
	(ii) On completion of erection works				-				-	100%	3,40,912		
	(iii) On completion of Testing of equipment				-				-	100%	1,70,456		
	<b>Pumps</b>		-		-				-		-		
	(i) On supply of machinery/equipment at site				-				-		-		
	(ii) On completion of erection works				-				-	100%	3,40,912		
	(iii) On completion of Testing of equipment				-				-	100%	1,70,456		



S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
H	<b>ELECTRICAL WORK</b>				-				-				
	<b>Cable Tray &amp; Earthing Work</b>		-		-				-				
	(i) On supply of machinery/equipment at site				-	50%	5,43,329		-	50%	5,43,329		
	(ii) On completion of erection works				-				-	100%	1,27,842		
	(iii) On completion of Testing of equipment				-				-	100%	63,921		
	<b>Transformer</b>		-		-				-				
	(i) On supply of machinery/equipment at site				-		-		-	100%	28,97,752		
	(ii) On completion of erection works				-				-	100%	3,40,912		
	(iii) On completion of Testing of equipment				-				-	100%	1,70,456		
	<b>DG</b>		-		-				-				
	(i) On supply of machinery/equipment at site				-		-		-	100%	19,92,205		
	(ii) On completion of erection works				-				-	100%	2,34,377		
	(iii) On completion of Testing of equipment				-				-	100%	1,17,189		
I	<b>Construction of Boundary wall &amp; Internal Road</b>		-		-		-		-	100%	-		
	Site Clearance		-		-		-		-		-		
	Excavation & PCC		-		-	70%	2,23,724	40%	1,27,842		-		
	RCC Column footing		-		-	100 %	4,26,140	68%	2,89,775		-		
	RCC Column & Beam		-		-	100 %	3,19,605	68%	2,17,331		-		
	Brickwork & Plaster		-		-	100 %	3,19,605	45%	1,43,822		-		
	Finishing		-		-		-		-	100%	3,19,605		
	Construction of Internal road		-		-		-		-	100%	4,26,140		
2 1	<b>IPS-6 (Sundar Nagar- 20 MLD)-Pankha Area</b>				-				-				
	<b>CIVIL</b>		-		-		-		-		-		
A	<b>Construction of Raw Sewage Sump</b>		-		-		-		-		-		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
	Site Clearance		-		-		-		-		-		
	Excavation		-		-		-		-		-		
	PCC		-		-		-		-		-		
	RCC Foundation/Raft		-		-		-		-		-		
	Wall 50% of total lift work		-		-		-		-		-		
	Column & Beam	30%	7,66,800		-		-		-		-		
	Walls (balance 50% of Total Lift work)	50%	12,78,000	50%	12,78,000		-		-		-		
	Ground Floor Slab	100 %	25,56,000		-		-		-		-		
	Finishing Work		-		-	100 %	12,78,000		-		-		
B	<b>Construction of Inlet Chamber &amp; Screen Channel</b>		-		-		-		-		-		
	Site Clearance		-		-		-		-		-		
	Excavation & PCC		-		-		-		-		-		
	RCC Foundation/Raft		-		-		-		-		-		
	Wall 50% of total lift work		-		-		-		-		-		
	Walls (balance 50% of Total Lift work)		-		-		-		-		-		
	Walkway/Platform	100 %	2,13,000		-		-		-		-		
	Finishing work		-		-	100 %	2,13,000		-		-		
C	<b>Construction of Raw Sewage Pump House</b>		-		-		-		-		-		
	Column & Beam	100 %	7,99,013		-		-		-		-		
	Roof Slab		-		-	100 %	7,99,013		-		-		
	Brickwork & Plaster		-		-	100 %	7,99,013		-		-		
	Finishing Work		-		-		-		-	100%	7,99,013		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
D	<b>Construction of Office Room</b>		-		-		-		-		-		
	Site Clearance		-		-		-		-		-		
	Excavation & PCC		-		-		-		-		-		
	RCC Foundation/column footing		-		-		-		-		-		
	Column & Beam		-		-		-		-		-		
	RCC Ground floor Slab		-		-		-		-		-		
	RCC Roof Slab	100 %	2,13,000		-		-		-		-		
	Brick work & Plaster		-		-	100 %	2,13,000		-		-		
	Electrification, plumbing, fixtures		-		-	100 %	2,13,000		-		-		
	Finishing work		-		-		-		-	100%	2,13,000		
E	<b>Construction of Guard Room</b>		-		-		-		-		-		
	Site Clearance		-		-		-		-		-		
	Excavation & PCC		-		-		-		-		-		
	RCC Foundation/column footing		-		-		-		-		-		
	Column & Beam		-		-		-		-		-		
	RCC Ground floor Slab	100 %	2,13,000		-		-		-		-		
	RCC Roof Slab		-		-	100 %	2,13,000		-		-		
	Brick work & Plaster		-		-	100 %	2,13,000		-		-		
	Electrification, plumbing, fixtures		-		-	50%	1,06,500		-	50%	1,06,500		
	Finishing work		-		-		-		-	100%	2,13,000		
F	<b>Transformer Yard,DG Yard</b>		-		-		-		-		-		
	Site Clearance		-		-		-		-		-		
	Excavation & PCC		-		-	100	6,39,210		-		-		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
						%							
	Foundation Work		-		-	100 %	15,98,025		-		-		
	Finishing Work		-		-	100 %	9,58,815		-		-		
G	<b>MECHANICAL WORK</b>		-		-		-		-		-		
	<b>Piping &amp; Support work</b>		-		-				-				
	(i) On supply of machinery/equipment at site				-	100 %	10,86,657	25%	2,71,664				
	(ii) On completion of erection works				-				-	100%	1,27,842		
	(iii) On completion of Testing of equipment				-				-	100%	63,921		
	<b>Screen Channel</b>		-		-				-		-		
	(i) On supply of machinery/equipment at site				-		-		-				
	(ii) On completion of erection works				-				-	100%	3,40,912		
	(iii) On completion of Testing of equipment				-				-	100%	1,70,456		
	<b>Pumps</b>		-		-				-		-		
	(i) On supply of machinery/equipment at site				-	100 %	28,97,752	100 %	28,97,752		-		
	(ii) On completion of erection works				-				-	100%	3,40,912		
	(iii) On completion of Testing of equipment				-				-	100%	1,70,456		
H	<b>ELECTRICAL WORK</b>				-				-				
	<b>Cable Tray &amp; Earthing Work</b>		-		-				-				
	(i) On supply of machinery/equipment at site				-		-		-	100%	19,92,205		
	(ii) On completion of erection works				-				-	100%	2,34,377		
	(iii) On completion of Testing of equipment				-				-	100%	1,17,189		
	<b>Transformer</b>		-		-				-				
	(i) On supply of machinery/equipment at site				-		-		-	100%	28,97,752		
	(ii) On completion of erection works				-				-	100%	3,40,912		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
	(iii) On completion of Testing of equipment				-				-	100%	1,70,456		
	<b>DG</b>		-		-				-				
	(i) On supply of machinery/equipment at site				-		-		-	100%	19,92,205		
	(ii) On completion of erection works				-				-	100%	2,34,377		
	(iii) On completion of Testing of equipment				-				-	100%	1,17,189		
I	<b>Construction of Boundary wall &amp; Internal Road</b>		-		-		-		-		-		
	Site Clearance		-		-		-		-		-		
	Excavation & PCC	100 %	3,19,605		-		-		-		-		
	RCC Column footing	100 %	4,26,140		-		-		-		-		
	RCC Column & Beam	100 %	3,19,605		-		-		-		-		
	Brickwork & Plaster		-		-	100 %	3,19,605		-		-		
	Construction of Internal road		-		-		-		-	100%	4,26,140		
	Finishing		-		-		-		-	100%	3,19,605		
2 2	<b>I&amp;D Works</b>				-				-				
A	<b>ICI Nala</b>		-		-		-		-		-		
	Construction Work		-		-		-		-		-		
	Tapping of Nallahs	55%	6,11,600		-		-		-		-		
	Electro-Mechanical work	50%	8,34,000		-	50%	8,34,000		-		-		
	Testing		-		-		-		-	100%	5,56,000		
B	<b>Thermal Nala -A</b>		-		-		-		-		-		
	Construction Work		-		-		-		-		-		
	Tapping of Nallahs	40%	4,44,800		-		-		-		-		
	Electro-Mechanical work	50%	8,34,000		-	50%	8,34,000		-		-		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
	Testing		-		-		-		-	100%	5,56,000		
C	<b>Thermal Nala -B</b>		-		-		-		-		-		
	Construction Work	50%	11,12,000		-		-		-		-		
	Tapping of Nallahs	25%	2,78,000		-	51%	5,67,120		-		-		
	Electro-Mechanical work		-		-	50%	8,34,000		-	50%	8,34,000		
	Testing		-		-		-		-	100%	5,56,000		
2 3	<b>Rising Main Works</b>				-				-				
A	<b>ICI Nala Area</b>		-		-		-		-		-		
	Site Cleance from Client		-		-		-		-		-		
	Supply of Pipes	25%	12,75,000	25%	12,75,000	25%	12,86,220		-		-		
	Excavation,Laying & backfilling of Pipes	30%	1,80,000	25%	1,50,000	20%	1,20,000		-	15%	90,000		
	Testing	50%	1,50,000		-	25%	75,000		-	25%	75,000		
B	<b>Sundar Nagar IPS Area</b>		-		-		-		-		-		
	Site Cleance from Client		-		-		-		-		-		
	Supply of Pipes	30%	15,30,000	30%	15,30,000	40%	20,40,000	40%	20,40,000		-		
	Excavation,Laying & backfilling of Pipes	37%	2,22,000	35%	2,10,000	38%	2,28,000		-		-		
	Testing	54%	1,62,000		-	46%	1,38,000		-		-		
2 4	<b>Sewer System Area (RCC Pipes-NP3 Types)</b>				-				-				
	Site Clearance	25%	-		-	15%	-		-	10%	-		
	Supply of pipes		-		-		-		-		-		
	Excavation and Laying of pipes including bed preperation & backfilling	10%	10,02,809	8%	8,02,271	26%	26,07,382	20%	20,05,678	23%	23,06,530		
	Manholes	20%	20,05,678	3%	3,00,852	20%	20,05,678	20%	20,05,678	25%	25,07,098		
	Testing	20%	20,05,678		-	30%	30,08,518		-	50%	50,14,196		
	Road Restoration work		-		-	35%	35,09,937		-	65%	65,18,455		

S N	Description of Items	Milestone-6 (From 2nd August'21 to 1st Sep.'21)		Achieved against 6th Milestone		Milestone-7 (From 2nd Sep.'21 to 25th Sep.'21)		Achieved against 7th Milestone		Milestone-8 (From 26th Sep.'21 to 25th Oct.'21)		Achieved against 8th Milestone	
		%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)	%	Amount (Rs.)
2 5	<b>Design ,Supply,Testing &amp; Commissioning of Sewer line (crossing National Highway-2 &amp; Railway Track)</b>				-				-				
	Statutory approvals from Railway & Road dept		-		-		-		-		-		
	Supply of Carrier & Casing Pipes	57%	64,11,551	57%	64,11,551	43%	48,36,784	30%	33,74,501		-		
	Construction of Pit	45.0 %	4,21,813	45%	4,21,813	55%	5,15,549	20%	1,87,472		-		
	Excavation & Laying of Pipes thru Jack push method	30%	16,87,250	30%	16,87,250	30%	16,87,250	20%	11,24,834	40%	22,49,667		
	Testing		-		-	27%	2,57,205	27%	2,53,088	73%	6,76,400		
2 6	<b>Design ,Supply,Testing &amp; Commissioning of Treated Effluent line from STP to River Pandu</b>				-				-				
	Site Clearance		-		-		-		-		-		
	Construction of Effluent line from STP to River Pandu		-		-	35%	25,20,000	35%	25,20,000	65%	46,80,000	25%	18,00,000
	Testing		-		-		-		-	100%	8,00,000		
	<b>TRIAL RUN &amp; COMMISSIONING</b>												
	Trial Run & Commissioning												

**PHOTOGRAPHS OF PANKHA STP SITE****Splitter Box****Admin Building**





**SBR**

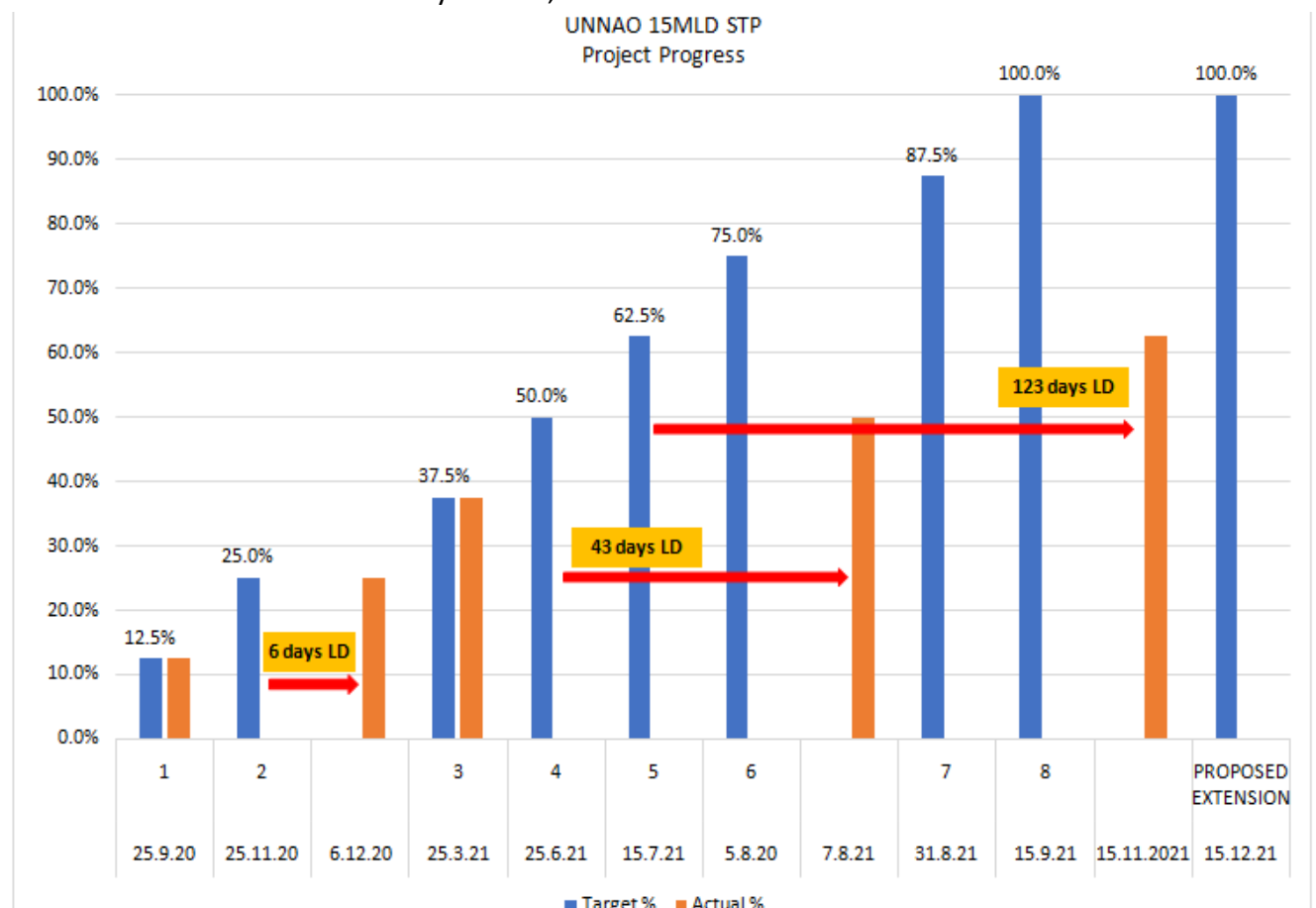


**IPS Sunder Nagar**

## 6.2 MILESTONE WISE ACTIVITIES AND PROGRESS: UNNAO STP

The progress of works related to the 15 MLD STP at Unnao is extremely slow and unsatisfactory. The schedule date for completion of the final 8<sup>th</sup> milestone (15.09.2021) has already been passed but till date only 5 milestones could have been completed by KRMPL. Also, compliance of ED (P) and JMD UPJN directions regarding deployment of adequate manpower and execution of work in double shift is not done by KRMPL. Status and progress of Unnao STP is as following:

- Total progress till Nov. 2021 is only 63% against the target of 100%.
- During Nov. 2021, the manpower deployed at the 15 MLD STP Unnao site was 50-100 nos. KRMPL need to increase the manpower up to 250 as directed during NMCG meetings on dated 17.11.2021, 28.09.2021 and in JMD meeting at Lucknow on 03.09.2021, so that simultaneous works on multiple site could be started to achieve the target on time;
- 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>th</sup>, 4<sup>th</sup> and 5<sup>th</sup> milestone have been completed. 5<sup>th</sup> milestone completion was due on dated 15.07.2021 which was completed on 15.11.2021. LD for 123 days is imposed on KRMPL. 6<sup>th</sup>, 7<sup>th</sup> & 8<sup>th</sup> milestones were due on 05.08.2021, 31.08.2021 and 15.09.2021 which have been missed by KRMPL;



- As per the direction given by JMD, UPJN Lucknow during meeting dated 03.09.2021, balance works of the STP were to be completed by 15<sup>th</sup> Dec. 2021. For that KRMPL had submitted a balance work plan which was vetted by the STC on 10.09.2021. But till date, progress of balance work plan is very slow and unsatisfactory.
- To complete the balance works for any structure/unit of STP; KRMPL has been asked to submit day wise schedule with detail of activities like steel binding, shuttering, concreting and de-shuttering for achieving the balance works of STP on time. STC along with UPJN have provided a format for the same to KRMPL. Signed copy of balance works schedule with day wise activities is still to be submitted by KRMPL.
- Approx 2100m sewer has been laid out of 3.2km. Highway road cutting permission for trenchless laying of sewer has been given by PWD.
- Entrance gates (1 main gate + 1 alternate), Internal roads and development of site and plantation work need to be started.
- Number of CCTVs units need to be increased from at present 2 nos. to minimum 4 nos;
- Status of progress of different STP units till Nov. 2021 are as following:

SN	STP Components	Overall Progress
1.	I&D works	20%
2.	Sewer Laying	2.20 km completed out of 3.6 km
3.	Manholes	04 completed out of 46
4.	MPS	70%
5.	PTU	30%
6.	SBR	90%
7.	Blower	80%
8.	CCT, Chlorination Building	90%
9.	Thickener, Supernatant Sump	90%
10.	Centrifuge	70%
11.	Admin Building	60%
12.	Staff Quarter	80%
13.	Guard Room	90%
14.	Boundary Wall	70%
15.	Effluent Disposal System	0%
16.	Transformer Yard Area	0%
17.	DG Shed Area	0%

### SUMMARY OF OVERALL PROGRESS AT UNNAO STP

Milestone	Schedule Completion date	Actual completion date	Milestone Amount	Targeted Progress till 31.10.2021		
				Milestone Amount	% Target	% Achieved
1st milestone	25.09.2020	25.09.2020	478,36,250.00	478,36,250.00	12.50%	12.50%
2nd milestone	25.11.2020	<b>06.12.2020</b> <b>6 days LD</b>	478,36,250.00	478,36,250.00	12.50%	12.50%
3rd Milestone	25.03.2021	25.03.2021	478,36,250.00	478,36,250.00	12.50%	12.50%
4th Milestone	26.06.2021	<b>07.08.2021</b> <b>43 days LD</b>	478,36,250.00	434,98,958.95	12.50%	11.37%
5th Milestone	15.07.2021	15.11.2021 <b>123 days LD</b>	478,36,250.00	302,39,542.76	12.50%	7.90%
6th milestone	05.08.2021	Not completed	478,36,250.00	232,22,720.48	12.5%	6.07%
7th milestone	31.08.2021	Not completed	478,36,250.00	14,09,864.10	12.5%	0.37%
8th milestone	15.09.2021	Not completed	478,36,250.00	-	12.5%	0.0%
<b>Overall Progress</b>	<b>3826,90,000.00</b>			<b>2418,79,836.29</b>	<b>100%</b>	<b>63%</b>
<b>Total %</b>	<b>100.00%</b>				<b>100%</b>	<b>63%</b>

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 July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
i)	<b>SBR Basin Area</b>								
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		-						
9	Wall 50% of total lift work		-				-		
40	Walls (balance 50% of Total Lift work)		-				-		
11	Walkway/Platform		-				-		
12	Piping & fitting works	100%	21,96,910.08				-		
13	Testing /Finishing works		-			50%	18,40,000.00		
ii	<b>Sludge Thickener Area</b>								
1	Site Clearance		-				-		

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	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		-				-		
iii	<b>Supernatant Sump Area</b>								
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		-				-		
iv	<b>Chlorination Tank Area</b>								
1	Site Clearance		-				-		
2	Excavation		-				-		

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	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		-				-		
v	<b>Air Blower Room Area</b>								
1	Site Clearance		-				-		
2	Excavation		-				-		
3	PCC		-				-		
4	RCC Foundation/column footing		-				-		
5	Column & Beam		-				-		
6	RCC Roof Slab		-				-		
7	Cable Trench Work		-				-		
8	RCC Ground floor Grade Slab		-				-		
9	Brick work		-				-		
10	Plaster	100%	1,71,633.60				-		

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
11	Testing/Finishing work		-			100%	5,83,000.00		
vi	<b>Staff Quarter Area (G+1)</b>								
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		-				-		
11	Plumbing, fixtures , sanitary works, AC work	100%	67,000.00				-		
12	Electrification work		-			100%	33,500.00		
13	Finishing works		-				-		
vii	<b>Guard Room Area</b>								
1	Site Clearance		-				-		



Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
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		-				-		
11	Sanitary works, AC work		-				-		
12	Electrification work		-				-		
13	Finishing works		-				-		
viii	<b>Chlorination Room Area</b>								
1	Site Clearance		-				-		
2	Excavation		-				-		
3	PCC		-				-		
4	RCC Foundation/Column footing		-				-		

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
5	Column & Beam		-				-		
6	Ground floor Slab		-				-		
7	Roof Slab		-				-		
8	Brickwork		-				-		
9	Plaster		-				-		
10	Testing/Finishing works	100%	4,11,000.00				-		
ix	<b>Admin Bldg Area (G+1)</b>								
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	100%	1,18,438.05	100%	1,18,438.05		-		
8	Roof Slab	100%	1,35,357.77				-		
9	Brickwork		-			100%	1,35,357.77	20%	27,071.55
10	Plaster		-			100%	1,06,594.25		

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
11	Electrification, plumbing, fixtures , sanitary works, AC work		-				-		
12	finishing works		-				-		
x	<b>Sludge Dewatering System Area (Centrifuge Pump House, Sludge sump &amp; Poly dosing tank)</b>								
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		-				-		
8	Roof Slab		-				-		
9	Brickwork	100%	3,69,576.00				-		
10	Plaster	100%	3,19,576.00				-		
11	Piping & fittings Work		-			100%	1,84,364.00		
12	Testing/Finishing works		-				-		
xi	<b>Inlet Chamber Area</b>								

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
1	Site Clearance		-				-		
2	Excavation & PCC		-				-		
3	RCC Foundation/Column footing		-				-		
4	Column & Beam		-				-		
5	RCC Slab		-				-		
6	RCC Wall	100%	2,89,652.40				-		
7	Testing/Finishing works		-			100%	1,88,000.00		
xii	<b>Manual &amp; Mechanica Fine Bar Screen Chamber Area</b>								
1	Site Clearance		-				-		
2	Excavation		-				-		
3	PCC		-				-		
4	RCC Foundation		-				-		
5	Column & Beam		-				-		
6	RCC Slab		-				-		
7	RCC Wall		-				-		
8	Walkway/Platform	100%	1,67,633.60				-		
9	Testing/Finishing works		-			100%	1,54,000.00		

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
xiii	<b>Grit Chamber Area</b>								
1	Site Clearance		-				-		
2	Excavation		-				-		
3	PCC		-				-		
4	RCC Foundation		-				-		
5	Column & Beam		-				-		
6	RCC Slab		-				-		
7	RCC Wall		-				-		
8	Walkway/Platform	100%	2,28,844.80				-		
9	Testing/Finishing works		-			100%	1,85,400.00		
xiv	<b>Parshall Flume Channel Area</b>								
1	Site Clearance		-				-		
2	Excavation		-				-		
3	PCC		-				-		
4	RCC Foundation		-				-		
5	Column & Beam		-				-		
6	RCC Slab		-				-		

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
7	RCC Wall		-				-		
8	Walkway/Platform		-				-		
9	Piping & fitting Work	100%	1,71,633.60				-		
10	Testing		-			100%	2,57,400.00		
xv	<b>Sludge Storage Platform Area</b>								
1	Site Clearance		-				-		
2	Excavation		-				-		
3	PCC	100%	2,50,000.00				-		
4	Foundation Work		-			100%	3,00,000.00		
5	Finishing work		-				-		
xvi	<b>Transformer Yard Area</b>								
1	Site Clearance		-				-		
2	Excavation		-				-		
3	PCC	100%	3,88,045.00				-		
4	Foundation Work		-			100%	3,88,045.00		
xvii	<b>DG Shed Area</b>								
1	Site Clearance		-				-		

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
2	Excavation		-				-		
3	PCC	100%	4,36,555.00				-		
4	Foundation Work		-			100%	4,36,555.00		
xviii	<b>EXTERNAL DEVELOPMENT</b>								
	<b>Boundary Wall with Gate</b>								
1	Site Clearance		-				-		
2	Excavation		-				-		
3	PCC		-				-		
4	RCC Column footing		-				-		
5	RCC Column & Beam		-				-		
6	Brickwork		-				-		
7	Plaster	15%	75,318.75			22%	1,10,467.50		
8	Retaining wall	13%	2,08,331.50	5%	80,127.50	9.5%	1,52,242.25		
9	Finishing Work		-				-		
	<b>Earthfilling, Internal Roads ,Landscaping</b>		-				-		
1	Earthfilling, Internal Roads ,Landscaping		-			50%	8,74,400.00		
<b>B</b>	<b>I &amp; D Work</b>								

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
(i)	Approach Channel								
1	Excavation	100%	68,186.60	50%	34,093.30		-		
2	PCC	100%	1,70,466.50	50%	85,233.25		-		
3	RCC Foundation/Raft	100%	2,04,559.80				-		
4	wall		-			100%	1,70,466.50		
5	Testing/Finishing work		-				-		
(ii)	Inlet Chamber								
1	Excavation	100%	85,968.20	100%	85,968.20		-		
2	PCC	100%	2,14,920.50	100%	2,14,920.50		-		
3	RCC Foundation/Raft	100%	2,57,904.60				-		
4	wall		-			100%	2,14,920.50		
5	Testing/Finishing work		-				-		
(iii)	Screen Channel								
1	Excavation	100%	68,789.70	100%	68,789.70		-		
2	PCC	100%	1,71,974.25	100%	1,71,974.25		-		
3	RCC Foundation/Raft	100%	2,06,369.10				-		
4	wall		-			100%	1,71,974.25		



Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
5	Testing/Finishing work		-				-		
(iv)	<b>Grit Chamber</b>								
1	Excavation	100%	70,669.70	100%	70,669.70		-		
2	PCC	100%	1,76,674.25				-		
3	RCC Foundation/Raft	100%	2,12,009.10				-		
4	wall		-			100%	1,76,674.25		
5	Testing/Finishing work		-				-		
(v)	<b>Collection Chamber</b>								
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				-		
4	wall		-			100%	34,273.00		
5	Testing/Finishing work		-				-		
C	<b>MPS-40 MLD</b>								
	<b>Civil Work</b>								
i	<b>Construction of Raw Sewage Sump</b>								
1	Site Clearance		-				-		

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
2	Excavation		-				-		
3	PCC		-				-		
4	RCC Foundation/Raft		-				-		
5	Wall 50% of total lift work		-				-		
6	Walls (balance 50% of Total Lift work)	50%	4,43,610.00	50%	4,43,610.00		-		
7	Column & Beam	100%	7,87,220.00				-		
8	Ground Floor Slab		-			100%	5,91,480.00		
9	Testing/Finishing work		-				-		
ii	<b>Construction of Raw Sewage Pump House</b>								
1	Column & Beam		-			100%	9,24,187.50		
2	Roof Slab		-			100%	9,24,187.50		
3	Brickwork		-				-		
4	Plaster		-				-		
iii	<b>Construction of Inlet Chamber &amp; Screen Channel</b>								
1	Site Clearance		-				-		
2	Excavation		-				-		
3	PCC		-				-		

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
4	RCC Foundation/Raft		-				-		
5	Wall 50% of total lift work		-				-		
6	Walls (balance 50% of Total Lift work)		-				-		
7	Column & Beam	100%	1,51,504.17				-		
8	Ground Floor Slab		-			100%	1,84,837.50		
9	Walkway/Platform		-			100%	1,84,837.50		
10	Testing/Finishing work		-				-		
<b>D</b>	<b>SEWER SYSTEM AREA (3.2 Km)</b>								
1	Site Clearance		-				-		
			-				-		
2	Supply of pipes		-				-		
3	Excavation and Laying of pipes including bed preparation & backfilling	23%	12,72,169.15	23%	12,72,169.15	15%	8,29,675.53	15%	8,29,675.53
4	Manholes	25%	9,21,861.70		-	15%	5,53,117.02		-
5	Flow/Hydroulic Testing	19%	14,01,229.78			15%	11,06,234.04		-
6	Road restoration work	20%	3,68,670.48	20%	3,68,744.68	30%	5,50,829.17	30%	5,53,117.02
<b>E</b>	<b>RISING MAIN PIPING WORK (100 m)</b>								
1	Site Clearance		-				-		

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
2	Supply of pipes		-				-		
3	Cutting,Excavtion,Laying of Pipes, backfilling	62%	42,470.00			38%	26,030.00		
4	Testing		-				-		
<b>F</b>	<b>EFFLUENT DISPOSAL SYSTEM</b>								
1	Site Clearance	100%	-				-		
2	Construction of Effluent Channel from Distribution Chamber to Agriculture Land	50%	7,55,999.99			50%	7,55,999.99		
3	Construction of Rectangular Channel from STP to Distribution Chamber	75%	8,50,499.98			25%	2,83,499.99		
4	Construction of Distribution Chamber		-			55%	6,23,699.99		
<b>G</b>	<b>E&amp;M WORK</b>								
i)	<b>GRIT CHAMBER AREA</b>		-				-		
	A.On supply - Grit Scraper Mechanism		-				-		
	B.On Installation - Grit Scraper Mechanism		-			100%	5,40,000.00		
ii)	<b>SLUDGE THICKENER AREA</b>		-				-		
	A.Supply - Sludge Thickener		-				-		
	B.Installation - Sludge Thickener		-			100%	3,20,000.00		

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
iii)	<b>TRANSFORMER YARD AREA</b>		-				-		
	A.Supply - Transformer		-			100%	44,00,000.00		
	B.Installation - Transformer		-			100%	11,00,000.00		
iv)	<b>DG SHED AREA</b>		-				-		
	A.Supply - DG		-			100%	100,00,000.00		
	B.Installation - DG		-				-		
v)	<b>MEP</b>		-				-		
	A.Supply - Screen		-				-		
	B.Installation - Screen		-			100%	15,20,000.00		
	C.Supply - Hoist		-				-		
	D.Installation - Hoist		-			100%	1,40,000.00		
	E.Supply - Pumps & Motors(MEP)		-				-		
	F.Installation - Pumps & Motors(MEP)		-			100%	23,20,000.00		
	G.Supply - Gate & Valves(MPS)		-				-		
	H.Installation - Gate & Valves(MPS)		-			100%	10,40,000.00		
	I.Supply Instruments(like flow meter, Guages, level, Transmitter)		-			100%	25,60,000.00		

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
	J.Installation - Instruments(like flow meter, Guages, level, Transmitter)		-				-		
vi)	<b>INLET CHAMBER AREA</b>		-				-		
	A.Supply - Gate & Valves(STP)		-				-		
	B.Installation - Gate & Valves(STP)		-			100%	8,40,000.00		
vii)	<b>FINE SCREEN AREA</b>		-				-		
	A.On supply -Fine Screen		-				-		
	B.On Installation -Fine Screen		-			100%	6,40,000.00		
viii)	<b>SBR BASIN AREA</b>		-				-		
	A..On supply - Decanter Equipment		-				-		
	B..Installation - Decanter Equipment		-				-		
	C.On supply - Diffuser	100%	154,40,000.00	100%	154,40,000.00		-		
	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		

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
ix)	<b>AIR BLOWER ROOM</b>		-				-		
	A.Supply - Blower		-				-		
	B. Installation - Blower		-				-		
	C.Supply - Hoist Work		-				-		
	D.Installation - Hoist Work		-			100%	1,00,000.00		
x)	<b>CHLORINATION ROOM AREA</b>		-				-		
	A.Supply - Chlorination system (Dosing pumps, chlorinators, Tonnes, Chemicals & Piping work		-				-		
	B. Installation - Chlorination system(Dosing pumps, chlorinators, Tonnes, Chemicals & Piping work		-				-		
	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)	<b>CENTRIFUGE HOUSE &amp; FEED PUMP AREA</b>		-				-		
	A.On supply -Centrifuge & Feed Pump		-				-		
	B.On Installation -Centrifuge & Feed Pump		-				-		
xii)	<b>ADMN BUILDING AREA</b>		-				-		
	A.Supply - PMCC work	100%	94,40,000.00	50%	47,20,000.00		-		

Sr. No.	Description of Items	Milestone-6 (From 16th July'21 to 05th Aug'21 )		Achieved Milestone-6 (From 16th July'21 to 05th Aug'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )		Milestone-7 (From 6th Aug'21 to 31st Aug.'21 )	
		%	Amount	%	Amount	%	Amount	%	Amount
	B.Installation - PMCC work		-			100%	23,60,000.00		
	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)		-				-		
xiii)	<b>TESTING OF E&amp;M EQUIPMENT FOR STP &amp; MPS</b>		-				-		
xiv)	<b>EQUIPMENT TOOLS &amp; MISC.</b>		-				-		
<b>III</b>	<b>TRIAL RUN &amp; COMMISSIONING</b>								
1	Trial Run & Commissioning								
			<b>478,78,343.50</b>		<b>232,22,720.48</b>		<b>478,36,250.00</b>		<b>14,09,864.10</b>



## PHOTOGRAPHS OF UNNAO STP SITE



MPS shuttering &amp; final lift works



Admin Building works



**Manpower at Unnao site (22 nos.) on 12.11.2021**



**PCC, Footings and Columns 1st lift of PTU**





**Damaged CETP drain near I&D**

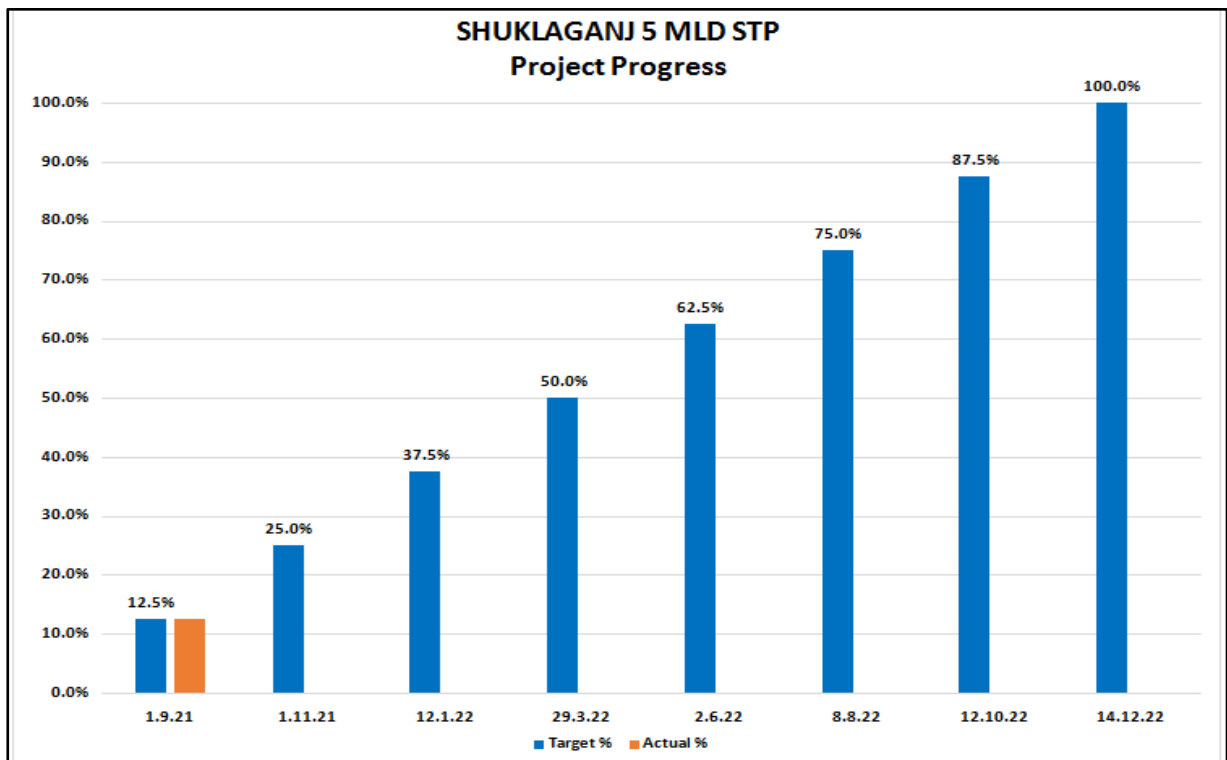


**Supply of Decanter at the site**

**6.3 MILESTONE WISE ACTIVITIES AND PROGRESS: SHUKLAGANJ STP**

Progress of construction works for 05 MLD STP at Shuklaganj is very slow. Total progress till Nov. 2021 is approx 15.5% against the target of 30%.

- During Nov. 2021, the manpower deployed at the 05 MLD STP site was 10-30 nos. KRMPL need to increase the manpower up to 100 to achieve the target on time;
- Milestone 1 complete on 01.09.2021. 2<sup>nd</sup> milestone was due on 01.11.2021 which is not achieved by KRMPL. At present works of 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> milestones are in progress.
- Since 27.10.2021 to 3<sup>rd</sup> Nov. 2021, work of STP was stopped due to high rise in the levels of River Ganga. Because of this, surrounding area of STP got flooded with backwater of the river. Due to clogged storm water drains and nallas in the surrounding area, the flood water kept increasing and on 27th Oct, 2021 flood water entered STP area and work was stopped. On 3rd Nov, 2021 the water receded and there was workable condition.
- KRMPL needs to expedite the progress by increasing the manpower and working on multiple fronts.



### SUMMARY OF OVERALL PROGRESS AT UNNAO STP

Milestone	Schedule Completion date	Actual completion date	Milestone Amount	Progress till 30.11.2021		
				Milestone Amount	% Target	% Achieved
1st milestone	01.09.2021	01.09.2021	26618775.0	237,62,039.95	12.50%	11.16%
2nd milestone	01.11.2021	-	26618775.0	79,45,238.87	12.50%	3.73%
3rd Milestone	12.01.2022	-	26618775.0	13,95,875.91	12.50%	0.66%
4th Milestone	29.03.2022	-	26618775.0	75,464.24	12.50%	0.04%
5th Milestone	02.06.2022	-	26618775.0		12.50%	
6th milestone	08.08.2022	-	26618775.0		12.5%	
7th milestone	12.10.2022	-	26618775.0		12.5%	
8th milestone	14.12.2022	-	26618775.0		12.5%	
<b>Overall Progress</b>	<b>2129,50,200.00</b>				<b>100%</b>	<b>15.58%</b>
<b>Total %</b>	<b>100.00%</b>				<b>100%</b>	<b>15.58%</b>

**TABLE 6.3: MILESTONE WISE PROGRESS – 05 MLD Shuklaganj STP**

Sr. No.	Description of Items	Milestone-2 (From 2nd Sep'21 to 1st Nov.'21 )		Achievement of 2nd Milestone		Milestone-3 (From 2nd Nov'21 to 12th Jan.'22 )		Achievement of 3rd Milestone		Milestone-4 (From 13th Jan.'22 to 29th March'22 )		Achievement of 4th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
			266,18,775.00				266,18,775.00				266,18,775.00		
<b>I</b>	<b>Design &amp; Drawing of STP</b>												
1	On approval of BEP				-				-				
2	On approval of design & drawings for Civil & Sewerage works	10%	5,32,375.50	5%	2,66,187.75				-				
<b>II</b>	<b>CONSTRUCTION</b>												
<b>A</b>	<b>SHUKLAGANJ STP (5 MLD)</b>												
i)	<b>SBR Basin Area</b>												
1	Site Clearance				-				-				
2	Excavation wall footing	40%	7,66,620.74	40%	7,66,620.74				-				
3	PCC wall footing	50%	11,97,844.90		-	20%	4,79,137.96		-				
4	RCC Foundation/Raft of wall	26%	7,48,039.25		-	74%	21,27,372.54		-				
5	Wall 50% of total upto base slab		-		-	100%	23,95,689.80		-		-		
6	Walls (balance 50% of upto base slab)		-		-		-		-	100 %	23,95,689.80		
7	PCC Base Slab		-		-		-		-		-		
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	<b>Chlorination Tank Area</b>												
1	Site Clearance				-				-				
2	Excavation				-				-				

Sr. No.	Description of Items	Milestone-2 (From 2nd Sep'21 to 1st Nov.'21 )		Achievement of 2nd Milestone		Milestone-3 (From 2nd Nov'21 to 12th Jan.'22 )		Achievement of 3rd Milestone		Milestone-4 (From 13th Jan.'22 to 29th March'22 )		Achievement of 4th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
3	PCC	100 %	3,59,353.50		-				-				
4	RCC Foundation/Raft	100 %	5,98,922.50		-				-				
5	Wall 50% of total lift work		-		-	100%	3,59,353.50		-				
6	Walls (balance 50% of Total Lift work)		-		-	51%	2,44,360.38		-	49%	2,34,777.62		
7	Baffle Walls work		-		-		-		-		-		
8	Hydro Testing /Finishing works		-		-		-		-		-		
iii	<b>Chlorination Room Area</b>												
1	Site Clearance		-		-				-				
2	Excavation		-		-				-				
3	PCC		-		-				-				
4	RCC Foundation/Column footing	100 %	5,98,922.50		-		-		-				
5	Column & Beam	100 %	3,59,353.50		-		-		-		-		
6	Ground floor Slab		-		-		-		-	100 %	2,39,569.00		
7	Roof Slab		-		-	100%	3,59,353.50		-		-		
8	Brickwork		-		-		-		-	100 %	1,19,784.50		
9	Plaster		-		-		-		-	100 %	1,19,784.50		
10	Testing/Finishing works		-		-		-		-		-		
iv	<b>Guard Room Area</b>												
1	Site Clearance				-				-				
2	Excavation		-		-				-				
3	PCC		-		-				-				
4	RCC Foundation/column footing	48%	80,495.18	48%	80,495.18		-		-				

Sr. No.	Description of Items	Milestone-2 (From 2nd Sep'21 to 1st Nov.'21 )		Achievement of 2nd Milestone		Milestone-3 (From 2nd Nov'21 to 12th Jan.'22 )		Achievement of 3rd Milestone		Milestone-4 (From 13th Jan.'22 to 29th March'22 )		Achievement of 4th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
5	Column & Beam	100 %	2,51,547.45	100 %	2,51,547.45		-				-		
6	RCC Ground floor Slab		-		-	100%	2,51,547.45	100 %	2,51,547.45		-		
7	RCC Roof Slab		-		-		-			100 %	83,849.15	90 %	75,464.24
8	Brick work		-		-		-			100 %	1,67,698.30		
9	Plumbing, fixtures		-		-		-				-		
10	Sanitary works		-		-		-				-		
11	Electrification work		-		-		-				-		
12	Plaster		-		-		-				-		
13	Finishing works		-		-		-				-		
iv	<b>Admin Bldg Area (G+1)</b>												
1	Site Clearance		-		-		-						
2	Excavation		-		-		-				-		
3	PCC		-		-		-				-		
4	Column footings/Foundation	80%	4,21,641.36		-	20%	1,05,410.34				-		
5	Column & Beam up to Floor Base slab		-		-		-			74%	5,85,027.39		
6	Floor base Slab		-		-		-						
7	Column & Beam upto Roof Slab		-		-		-				-		
8	1st Floor Roof Slab				-								
9	Brickwork				-								
10	Electrification, plumbing, fixtures , sanitary works				-								
11	Plaster				-								
12	finishing works				-								
v	<b>Air Blower Room Area</b>												
1	Site Clearance				-		-						



Sr. No.	Description of Items	Milestone-2 (From 2nd Sep'21 to 1st Nov.'21 )		Achievement of 2nd Milestone		Milestone-3 (From 2nd Nov'21 to 12th Jan.'22 )		Achievement of 3rd Milestone		Milestone-4 (From 13th Jan.'22 to 29th March'22 )		Achievement of 4th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
2	Excavation		-		-		-						
3	PCC	100 %	7,18,707.00		-		-				-		
4	RCC Foundation/column footing		-		-	100%	7,18,707.00				-		
5	Column & Beam		-		-		-						
6	RCC Roof Slab		-		-		-				-		
7	Cable Trench Work		-		-		-				-		
8	Brick work		-		-		-				-		
9	Plaster		-		-		-				-		
10	Testing/Finishing work		-		-		-				-		
vi	<b>Staff Quarter Area (G+1)</b>												
1	Site Clearance				-		-						
2	Excavation				-		-						
3	PCC		-		-		-				-		
4	RCC Foundation/column footing	100 %	1,67,698.30		-		-				-		
5	Column & Beam upto ground floor slab	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		-		-	100%	3,35,396.60				-		
8	Brick work		-		-	100%	83,849.15				-		
9	Plumbing, fixtures , sanitary works		-		-	100%	83,849.15				-		
10	Electrification work		-		-	100%	83,849.15				-		
11	Plaster		-		-		-			100 %	83,849.15		
12	Finishing works		-		-		-			100 %	83,849.15		
vii	<b>Inlet Chamber Area</b>												

Sr. No.	Description of Items	Milestone-2 (From 2nd Sep'21 to 1st Nov.'21 )		Achievement of 2nd Milestone		Milestone-3 (From 2nd Nov'21 to 12th Jan.'22 )		Achievement of 3rd Milestone		Milestone-4 (From 13th Jan.'22 to 29th March'22 )		Achievement of 4th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
1	Site Clearance		-			100%	28,748.28						
2	Excavation & PCC					100%	1,86,863.82				-		
3	RCC Foundation/Column footing						-			100 %	2,15,612.10		
4	Column & Beam		-				-				-		
5	RCC Slab		-				-				-		
6	RCC Wall		-								-		
7	Hydro Testing /Finishing works		-				-				-		
viii	<b>Manual &amp; Mechanical Fine Bar Screen Chamber Area</b>												
1	Site Clearance		-							100 %	28,748.28		
2	Excavation						-			100 %	1,86,863.82		
3	PCC						-			100 %	2,15,612.10		
4	RCC Foundation										-		
5	Column & Beam										-		
6	RCC Slab												
7	RCC Wall						-						
8	Walkway/Platform												
9	Hydro Testing /Finishing works												
ix	<b>Grit Chamber Area</b>												
1	Site Clearance		-							100 %	62,287.94		
2	Excavation						-			100 %	4,04,871.61		
3	PCC						-			74%	3,45,211.12		
4	RCC Foundation										-		

Sr. No.	Description of Items	Milestone-2 (From 2nd Sep'21 to 1st Nov.'21 )		Achievement of 2nd Milestone		Milestone-3 (From 2nd Nov'21 to 12th Jan.'22 )		Achievement of 3rd Milestone		Milestone-4 (From 13th Jan.'22 to 29th March'22 )		Achievement of 4th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
5	Column & Beam										-		
6	RCC Slab												
7	RCC Wall						-						
8	Walkway/Platform												
9	Hydro Testing /Finishing works												
x	<b>Parshall Flume Channel Area</b>												
1	Site Clearance		-							100 %	62,287.94		
2	Excavation						-			100 %	4,04,871.61		
3	PCC						-			50%	2,33,579.78		
4	RCC Foundation										-		
5	Column & Beam										-		
6	RCC Slab												
7	RCC Wall						-						
8	Walkway/Platform												
9	Piping & fitting Work												
10	Hydro Testing /Finishing works												
xi	<b>Sludge Dewatering System Area (Centrifuge Pump House, Sludge sump &amp; Poly dosing tank)</b>												
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		-				-				-		

Sr. No.	Description of Items	Milestone-2 (From 2nd Sep'21 to 1st Nov.'21 )		Achievement of 2nd Milestone		Milestone-3 (From 2nd Nov'21 to 12th Jan.'22 )		Achievement of 3rd Milestone		Milestone-4 (From 13th Jan.'22 to 29th March'22 )		Achievement of 4th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
8	Roof Slab		-				-				-		
9	Brickwork		-				-				-		
10	Plaster		-				-				-		
11	Piping & fittings Work		-				-				-		
12	Hydro Testing /Finishing works		-				-				-		
xii	<b>Sludge Thickener Area</b>												
1	Site Clearance				-				-				
2	Excavation				-				-				
3	PCC				-				-				
4	RCC Foundation Wall/base slab	100 %	8,38,491.50	100 %	8,38,491.50				-				
5	Wall 50% of total lift work					100%	6,70,793.20	30%	2,01,237.96				
6	Walls (balance 50% of Total Lift work)						-		-	50%	3,35,396.60		
7	Hydro Testing /Finishing works						-						
xiii	<b>Supernatant Sump Area</b>												
1	Site Clearance												
2	Excavation												
3	PCC												
4	RCC Foundation wall/base slab		-										
5	Wall 50% of total lift work	100 %	4,79,138.00	30%	1,43,741.40								
6	Walls (balance 50% of Total Lift work)		-			100%	4,79,138.00						
7	Hydro Testing /Finishing works		-				-			100 %	1,19,784.50		
xiv	<b>Sludge Storage Platform Area</b>												
1	Site Clearance												
2	Excavation												

Sr. No.	Description of Items	Milestone-2 (From 2nd Sep'21 to 1st Nov.'21 )		Achievement of 2nd Milestone		Milestone-3 (From 2nd Nov'21 to 12th Jan.'22 )		Achievement of 3rd Milestone		Milestone-4 (From 13th Jan.'22 to 29th March'22 )		Achievement of 4th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
3	PCC												
4	Foundation Work												
5	Finishing work												
xv	<b>Transformer Yard Area</b>												
1	Site Clearance												
2	Excavation												
3	PCC												
4	Foundation Work												
xvi	<b>DG Shed Area</b>												
1	Site Clearance												
2	Excavation												
3	PCC												
4	Foundation Work												
xvii	<b>EXTERNAL DEVELOPMENT</b>												
	<b>Boundary Wall with Gate</b>				-								
1	Site Clearance				-								
2	Excavation	20%	5,39,914.95	20%	5,39,914.95	20%	5,39,914.95	7%	37,794.05	20%	5,39,914.95		
3	PCC	20%	7,19,886.60	20%	7,19,886.60	20%	7,19,886.60	7%	50,392.06	20%	7,19,886.60		
4	RCC Column footing	20%	7,19,886.60	20%	7,19,886.60	20%	7,19,886.60	6%	43,193.20	10%	3,59,943.30		
5	RCC Column & Beam	20%	5,39,914.95	20%	5,39,914.95	20%	5,39,914.95	6%	32,394.90	11%	2,96,953.22		
6	Brickwork	20%	5,39,914.95	20%	5,39,914.95	15%	4,04,847.78	10%	53,991.50	10%	2,69,957.48		
7	Plaster	15%	2,69,957.48		-	15%	2,69,957.48			9%	1,61,974.49		
8	Finishing Work		-		-		-			5%	44,992.91		
	<b>Earthfilling, Internal Roads ,Landscaping</b>				-								
1	Earthfilling, Internal Roads ,Landscaping				-						-		

Sr. No.	Description of Items	Milestone-2 (From 2nd Sep'21 to 1st Nov.'21 )		Achievement of 2nd Milestone		Milestone-3 (From 2nd Nov.'21 to 12th Jan.'22 )		Achievement of 3rd Milestone		Milestone-4 (From 13th Jan.'22 to 29th March'22 )		Achievement of 4th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
<b>B</b>	<b>MPS-20 MLD</b>												
	<b>Civil Work</b>												
<b>i</b>	<b>Construction of Raw Sewage Sump</b>												
1	Site Clearance				-				-				
2	Excavation		-										
3	PCC	100 %	12,87,413.85										
4	RCC Foundation/Raft	100 %	17,16,551.80										
5	Wall 50% of total lift work		-			100%	12,87,413.85						
6	Walls (balance 50% of Total Lift work)		-			100%	12,87,413.85				-		
7	Column & Beam		-				-			100 %	8,58,275.90		
8	Ground Floor Slab												
9	Hydro Testing /Finishing works												
<b>ii</b>	<b>Construction of Raw Sewage Pump House</b>												
1	Column & Beam												
2	Roof Slab												
3	Brickwork												
4	Plaster												
<b>iii</b>	<b>Construction of Inlet Chamber &amp; Screen Channel</b>												
1	Site Clearance				-		-		-		-		
2	Excavation						-			100 %	2,87,482.80	0%	-
3	PCC		-				-			100 %	4,31,224.20		
4	RCC Foundation/Raft		-				-			50%	2,15,612.10		
5	Wall 50% of total lift work		-				-				-		

Sr. No.	Description of Items	Milestone-2 (From 2nd Sep'21 to 1st Nov.'21 )		Achievement of 2nd Milestone		Milestone-3 (From 2nd Nov'21 to 12th Jan.'22 )		Achievement of 3rd Milestone		Milestone-4 (From 13th Jan.'22 to 29th March'22 )		Achievement of 4th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
6	Walls (balance 50% of Total Lift work)						-				-		
7	Column & Beam						-				-		
8	Ground Floor Slab		-				-				-		
9	Walkway/Platform												
10	Hydro Testing /Finishing works												
<b>C</b>	<b>SEWER SYSTEM AREA</b>												
1	Site Clearance				-								
2	Supply of pipes	35%	25,38,636.80	35%	25,38,636.80	10%	7,25,324.80	10%	7,25,324.80		-		
3	Excavation and Laying of pipes including bed preparation & backfilling	20%	1,35,998.40		-	36%	2,44,797.12			30%	2,02,854.81		
4	Manholes		-		-	35%	2,37,997.20			25%	1,69,998.00		
5	Flow Testing		-		-								
<b>D</b>	<b>I &amp; D Work</b>												
<b>(i)</b>	<b>Approach Channel</b>												
1	Excavation						-			100 %	68,100.00		
2	PCC		-							100 %	1,70,000.00		
3	RCC Foundation/Raft		-							100 %	2,05,000.00		
4	wall												
5	Hydro Testing /Finishing works												
<b>(ii)</b>	<b>Inlet Chamber</b>												
1	Excavation									100 %	85,900.00		
2	PCC		-							100 %	2,15,000.00		
3	RCC Foundation/Raft		-							100 %	2,55,000.00		

Sr. No.	Description of Items	Milestone-2 (From 2nd Sep'21 to 1st Nov.'21 )		Achievement of 2nd Milestone		Milestone-3 (From 2nd Nov'21 to 12th Jan.'22 )		Achievement of 3rd Milestone		Milestone-4 (From 13th Jan.'22 to 29th March'22 )		Achievement of 4th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
4	wall												
5	Hydro Testing /Finishing works												
(iii)	<b>Screen Channel</b>												
1	Excavation												
2	PCC		-										
3	RCC Foundation/Raft		-										
4	wall		-				-						
5	Hydro Testing /Finishing works		-				-				-		
(iv)	<b>Grit Chamber</b>												
1	Excavation												
2	PCC		-										
3	RCC Foundation/Raft		-										
4	wall		-				-						
5	Hydro Testing /Finishing works		-				-				-		
(v)	<b>Collection Chamber</b>												
1	Excavation												
2	PCC		-										
3	RCC Foundation/Raft		-										
4	wall		-				-						
5	Hydro Testing /Finishing works		-				-				-		
E	<b>EFFLUENT DISPOSAL SYSTEM</b>												
1	Site Clearance												
2	Construction of Effluent Channel												
F	<b>E&amp;M WORK</b>												



Sr. No.	Description of Items	Milestone-2 (From 2nd Sep'21 to 1st Nov.'21 )		Achievement of 2nd Milestone		Milestone-3 (From 2nd Nov'21 to 12th Jan.'22 )		Achievement of 3rd Milestone		Milestone-4 (From 13th Jan.'22 to 29th March'22 )		Achievement of 4th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
i)	<b>GRIT CHAMBER AREA</b>												
	A.On supply - Grit Scraper Mechanism	100 %	18,28,000.00				-				-		
	B.On Installation - Grit Scraper Mechanism												
ii)	<b>SLUDGE THICKENER AREA</b>												
	A.Supply - Sludge Thickener		-			100%	7,04,000.00						
	B.Installation - Sludge Thickener												
iii)	<b>TRANSFORMER YARD AREA</b>												
	A.Supply - Transformer												
	B.Installation - Transformer												
iv)	<b>DG SHED AREA</b>												
	A.Supply - DG												
	B.Installation - DG												
v)	<b>MEP</b>												
	A.Supply - Screen		-			100%	33,44,000.00				-		
	B.Installation - Screen												
	C.Supply - Hoist	100 %	4,68,000.00										
	D.Installation - Hoist												
	E.Supply - Pumps & Motors(MEP)	100 %	69,44,000.00				-				-		
	F.Installation - Pumps & Motors(MEP)												
	G.Supply - Gates					100%	11,44,000.00				-		
	H.Supply - Valves(MPS)						-			100 %	11,44,000.00		
	I.Installation - Gate & Valves(MPS)												
	J.Installation - Gate & Valves(MPS)												

Sr. No.	Description of Items	Milestone-2 (From 2nd Sep'21 to 1st Nov.'21 )		Achievement of 2nd Milestone		Milestone-3 (From 2nd Nov'21 to 12th Jan.'22 )		Achievement of 3rd Milestone		Milestone-4 (From 13th Jan.'22 to 29th March'22 )		Achievement of 4th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	K.Supply Instruments(like flow meter, Guages, level, Transmitter)												
	L.Installation - Instruments(like flow meter, Guages, level, Transmitter)												
vi)	<b>INLET CHAMBER AREA</b>												
	A.Supply - Gates					100%	9,24,000.00				-		
	B.Supply - Valves(STP)						-			100 %	9,24,000.00		
	C.Installation - Gates												
	D.Installation - Valves(STP)												
vii)	<b>FINE SCREEN AREA</b>												
	A.On supply -Fine Screen						-			100 %	14,08,000.00		
	B.On Installation -Fine Screen												
viii)	<b>SBR BASIN AREA</b>												
	A..On supply - Decanter Equipment		-				-			100 %	74,52,000.00		
	B..Installation - Decanter Equipment												
	C.On supply - Diffuser		-				-				-		
	D.On Installation - Diffuser												
	E.On supply - RAS Pump, SAS Pump		-				-			100 %	27,76,000.00		
	F.On Installation - RAS Pump, SAS Pump										-		
	G.On supply - Chain Pulley Block		-				-				-		
	H.On Installation - Chain Pulley Block												
ix)	<b>AIR BLOWER ROOM</b>												
	A.Supply - Blower		-				-				-		
	B. Installation - Blower												

Sr. No.	Description of Items	Milestone-2 (From 2nd Sep'21 to 1st Nov.'21 )		Achievement of 2nd Milestone		Milestone-3 (From 2nd Nov'21 to 12th Jan.'22 )		Achievement of 3rd Milestone		Milestone-4 (From 13th Jan.'22 to 29th March'22 )		Achievement of 4th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	C.Supply - Hoist Work		-				-			100 %	4,60,000.00		
	D.Installation - Hoist Work												
x)	<b>CHLORINATION ROOM AREA</b>												
	A.Supply - Chlorination system(Dosing pumps, chlorinators, Tonnes, Chemicals & Piping work		-				-				-		
	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)	<b>CENTRIFUGE HOUSE &amp; FEED PUMP AREA</b>												
	A.On supply -Centrifuge					100%	22,66,000.00						
	B.On supply -Centrifuge Feed Pump					100%	22,66,000.00						
	C.On Installation -Centrifuge												
	D.On Installation -Centrifuge Feed Pump												
xii)	<b>ADMN BUILDING AREA</b>												
	A.Supply - LT/HT Panel						-				-		
	B.Installation - LT/HT Panel												
	C.Supply - PLC/SCADA Automation												
	D.Installation - PLC/SCADA Automation												
xiii)	<b>Cable Tray &amp; Earthing work</b>												
	A.Supply - cable Tray/Earthing material						-				-		
	B.Installation - Cable Tray/Earthing material												
xiv)	<b>External Electrification (lighting &amp; Pole)</b>												

Sr. No.	Description of Items	Milestone-2 (From 2nd Sep'21 to 1st Nov.'21 )		Achievement of 2nd Milestone		Milestone-3 (From 2nd Nov'21 to 12th Jan.'22 )		Achievement of 3rd Milestone		Milestone-4 (From 13th Jan.'22 to 29th March'22 )		Achievement of 4th Milestone	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
	A.Supply						-				-		
	B.Installation												
xv)	TESTING OF E&M EQUIPMENT FOR STP & MPS										-		
xvi)	EQUIPMENT TOOLS & MISC.										-		
III	TRIAL RUN & COMMISSIONING												
1	Trial Run & Commissioning												
			266,18,775.00		79,45,238.87		266,18,775.00		13,95,875.91		266,18,775.00		75,464.24

**Photographs of Shuklaganj STP**



**Engineering Fill activity**



**MPS Excavation work**





**Roof Slab casting Guard Room**



**Sludge Thickener steel works**



**Supernatant Sump Steel binding**



**Soil Bearing Capacity checking**



## 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.

- CSPA 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

The KRMPL has submitted a renovation work plan from 10-may-2021 to 9-Aug-2022 which has been approved by UPJN. KRMPL has completed the works of 1st Mile stone on 15/10/2021.

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.

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

- Total 38 Nos. of manpower/workers are deployed at the site for renovation work. KRMPL need to be increase manpower over 70 to 90Nos. as per submitted construction plan so that simultaneous works on multiple site/IPs could be achieves the target on time.
- 1<sup>st</sup> Milestone have been recommended after consider progress from (1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> milestone) by PE on dated 27.11.2021 with vide letter no. 1289A dated 27.11.2021 (Scheduled date completion was 15<sup>th</sup> Oct 2021 as per approved construction plan.
- Till date overall progress 31.12% out of target 32.50% as on 30.Nov.2021
- Retrofication of Collection chamber, Fine screen chamber, Grit chamber, Parshall flume, Distribution chamber, Primary sedimentation tank -2 ,Secondary sedimentation tank -2,Blending tank, Sludge Thickener-1,Thickened sludge sump, Primary sludge digester, Return sludge sump and Return sludge pump house for civil work is in progress.
- Utility shifting estimation amount has been already confirmed by NMCG to UPJN with vide NMCG letter No F.No. Pr-12012/7/2018/PPP/NMCG dated 25.11.2021



- 1st Milestone have been recommended after consider progress from (1st, 2nd, 3rd and 4th milestone) by PE on dated 27.11.2021 with vide letter no. 1289A dated 27.11.2021 (Scheduled date completion was 15th Oct 2021 as per approved construction plan.
- Till date overall progress 31.12% out of target 32.50% as on 30.Nov.2021
- Retrofication of Collection chamber, Fine screen chamber, Grit chamber, Parshall flume, Distribution chamber, Primary sedimentation tank -2 ,Secondary sedimentation tank - 2, Blending tank, Sludge Thickener-1, Thickened sludge sump, Primary sludge digester, Return sludge sump and Return sludge pump house for civil work is in progress.
- Utility shifting estimation amount has been already confirmed by NMCG to UPJN with vide NMCG letter No F.No. Pr-12012/7/2018/PPP/NMCG dated 25.11.2021

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

Milestone	Schedule Completion date	Actual Completion date	Milestone Amount	Targeted progress till 30.11.2021		
				Milestone Amount	% Target	% Achieved
1 <sup>st</sup> Milestone	15.10.2021	15.10.2021	240160000.00	150865370.71	25%	15.70%
2 <sup>nd</sup> milestone	15.03.2022		240160000.00	88904254.02	25%	9.25%
3 <sup>rd</sup> milestone	15.06.2022		240160000.00	30969374.31	25%	3.22%
4 <sup>th</sup> milestone	09.08.2022		240160000.00	28415731.20	25%	2.95
Overall progress	960640000.000			299154730.24	100%	31.12%
<b>Total %</b>	<b>100%</b>				<b>100%</b>	<b>31.12%</b>

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

S N	Description of Items	BOQ Amount	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	480,32,00 0.00	100 %	480,32,000.00	10 0%	48032000. 00				-				-				-
ii.	On approval of design & drawings for Civil works	480,32,00 0.00	25 %	120,08,000.00	25 %	12008000. 00	75 %	360,24,00 0.00	75 %	360,24,0 00.00				-				-
										-				-				-
II	REHABILITATION/ RENOVATION OF EXISTING STP & IPSS																	
A.	Civil Work																	
i.	Retrofication for Collection chamber	51,87,456. 00	100 %	51,87,456.00	10 0%	5187456.0 0				-				-				-
ii.	Retrofication for Fine Screen Channel(Mechanic al)	181,56,09 6.00	35 %	63,54,633.60	35 %	6354633.6 0	30 %	54,46,828. 80	30 %	54,46,82 8.80	35 %	63,54,633. 60	35 %	63,54,63 3.60				-
iii.	Retrofication for Fine Screen Channel(Manual)	51,87,456. 00	100 %	51,87,456.00	10 0%	5187456.0 0				-				-				-
iv.	Retrofication for Grit Chamber	181,56,09 6.00	35 %	63,54,633.60	35 %	6354633.6 0	30 %	54,46,828. 80	30 %	54,46,82 8.80	35 %	63,54,633. 60		-				-
v.	Retrofication for Parshall Flume	51,87,456. 00	100 %	51,87,456.00	10 0%	5187456.0 0		-		-				-				-
vi.	Retrofication for Distribution	51,87,456. 00	100 %	51,87,456.00	50 %	2593728.0 0		-		-				-				-

S N	Description of Items	BOQ Amount	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
	Chamber for Primary Clarifier																	
vii	Retrofication for Primary Sedimentation Tank	181,56,09 6.00	35 %	63,54,633.60	35 %	6354633.6 0	30 %	54,46,828.80		-	35 %	63,54,633.60		-				-
vii i.	Retrofication for Distribution chamber for Aeration Tank	51,87,456. 00	100 %	51,87,456.00				-		-		-		-				-
ix.	Retrofication for Aeration Tank	181,56,09 6.00	30 %	54,46,828.80			35 %	63,54,633.60		-	35 %	63,54,633.60		-				-
x.	Retrofication for Distribution Chamber for final Sedimentation Tank	51,87,456. 00	100 %	51,87,456.00				-		-		-		-				-
xi.	Retrofication for final Sedimentation Tank	181,56,09 6.00	30 %	54,46,828.80	30 %	5446828.8 0	35 %	63,54,633.60		-	35 %	63,54,633.60		-				-
xii	Retrofication for Blending Tank	51,87,456. 00	100 %	51,87,456.00	60 %	3112473.6 0				-		-		-				-
xii i.	Retrofication for Gravity Sludge Thickener	181,56,09 6.00		-			50 %	90,78,048.00	50 %	90,78,048.00	50 %	90,78,048.00	30 %	54,46,828.80				-
xi v.	Retrofication for Thickened Sludge Sump	51,87,456. 00		-			100 %	51,87,456.00	50 %	25,93,728.00		-		-		-		-
xv	Retrofication for Primary Sludge Digestor	181,56,09 6.00		-			50 %	90,78,048.00	30 %	54,46,828.80	50 %	90,78,048.00		-		-		-
xv i.	Retrofication for Secondary	77,81,184. 00		-			100 %	77,81,184.00		-		-		-		-		-

S N	Description of Items	BOQ Amount	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
	Digestor																	
xv ii.	Retrofication for Digested Sludge Sump	51,87,456. 00		-			100 %	51,87,456. 00		-		-		-		-		-
xv iii.	Retrofication for Gas Holder	51,87,456. 00		-			50 %	25,93,728. 00		-	50 %	25,93,728. 00		-		-		-
xi x.	Retrofication for Return Sludge Sump	51,87,456. 00		-			100 %	51,87,456. 00	20 %	10,37,49 1.20		-		-		-		-
xx .	Retrofication for Centrate/Superna tant Sump	51,87,456. 00		-			100 %	51,87,456. 00		-		-		-		-		-
xx i.	Retrofication for MCC Panel Room	77,81,184. 00		-			50 %	38,90,592. 00		-	50 %	38,90,592. 00		-		-		-
xx ii.	Retrofication for Gas Engine Room	77,81,184. 00		-			50 %	38,90,592. 00		-	50 %	38,90,592. 00		-		-		-
xx iii.	Retrofication for Return Sludge Pump House	77,81,184. 00		-			50 %	38,90,592. 00	20 %	15,56,23 6.80	50 %	38,90,592. 00		-		-		-
xx iv.	Retrofication for Thickened Sludge Pumping Station	77,81,184. 00		-			50 %	38,90,592. 00		-	50 %	38,90,592. 00		-		-		-
xx v.	Retrofication for Digested Sludge Pump Station	51,87,456. 00		-			50 %	25,93,728. 00		-	50 %	25,93,728. 00		-		-		-
xx vi.	Retrofication for Centrifuge building/belt filter press bldg	103,74,91 2.00		-			50 %	51,87,456. 00		-	50 %	51,87,456. 00		-		-		-
xx vii .	Retrofication for Digestor Sludge Pumping Station (Building)	51,87,456. 00		-			50 %	25,93,728. 00		-	50 %	25,93,728. 00		-		-		-

S N	Description of Items	BOQ Amount	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
xx vii i.	Retrofication for Biogas Compressor Room	51,87,456. 00		-				-		-	50 %	25,93,728. 00		-	50 %	25,93,728. 00		-
xx ix.	Retrofication for Gas Flaring Unit	25,93,728. 00		-				-		-	50 %	12,96,864. 00		-	50 %	12,96,864. 00		-
xx x.	Retrofication for Cooling Tower	12,96,864. 00		-				-		-	50 %	6,48,432.0 0		-	50 %	6,48,432.0 0		-
xx xi.	Retrofication for Scrubber Unit	12,96,864. 00		-				-		-	50 %	6,48,432.0 0		-	50 %	6,48,432.0 0		-
B.	<b>Mechanical Work(Renovation /New Procurement)</b>																	
i.	Mechanical Fine Screen - Supply	77,81,184. 00	80 %	62,24,947.20	80 %	62,24,947. 20		-		-		-		-		-		-
ii.	Mechanical Fine Screen - Installation		7.0 %	5,44,682.88	7%	5,44,682.8 8	7.0 %	5,44,682.8 8	7%	5,44,682. 88	6%	4,66,871.0 4	6 %	4,66,871. 04		-		-
iii.	Manual Fine Screen - Supply	51,87,456. 00	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	77,81,184. 00	80 %	62,24,947.20	53 %	41,49,705. 43		-		-		-		-		-		-
vi.	Grit Mechanism - Installation		7.0 0%	5,44,682.88	7%	5,44,682.8 8	6.0 %	4,66,871.0 4	6%	4,66,871. 04	7%	5,44,682.8 8		-		-		-
vii .	Primary Clarifier Mechanism - Supply	77,81,184. 00		-		-	80 %	62,24,947. 20	27 %	20,74,98 2.40		-		-		-		-
vii i.	Primary Clarifier Mechanism - Installation			-		-	9%	7,00,306.5 6		-	11 %	8,55,930.2 4		-		-		-

S N	Description of Items	BOQ Amount	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
ix.	Surface Aerator - Supply	259,37,28 0.00	25 %	64,84,320.00	25 %	64,84,320. 00	25 %	64,84,320. 00	8%	21,60,57 5.42	30 %	77,81,184. 00		-				-
x.	Surface Aerator - Installation		6.5 %	16,86,883.84		-	6.2 2%	16,11,953. 92		-	7.3 %	18,88,233. 98		-		-		-
xi.	FST Mechanism - Supply	103,74,91 2.00		-		-	40 %	41,49,964. 80	26. 6%	27,59,72 6.59	40 %	41,49,964. 80		-		-		-
xii .	FST Mechanism - Installation	-		-		-		-		-	20 %	20,74,982. 40		-		-		-
xii i.	Return Sludge Pumps - Supply	103,74,91 2.00		-		-	40 %	41,49,964. 80	40 %	41,49,96 4.80	40 %	41,49,964. 80		-		-		-
xi v.	Return Sludge Pumps Installation	-		-		-				-				-	20 %	20,74,982. 40	10 %	10,37,491.20
xv .	Gravity Thickener Mechanism - Supply	103,74,91 2.00		-		-				-	80 %	82,99,929. 60		-				-
xv i.	Gravity Thickener Mechanism - Installation			-		-				-				-	20 %	20,74,982. 40		-
xv ii.	Digester Feed Pumps - Supply	103,74,91 2.00	60 %	62,24,947.20		-	20 %	20,74,982. 40		-		-		-		-		-
xv iii.	Digester Feed Pumps Installation			-		-	20 %	20,74,982. 40		-		-		-		-		-
xi x.	Sludge Digester Mixer - Primary - Supply	51,87,456. 00	80 %	41,49,964.80		-		-		-		-		-		-		-
xx .	Sludge Digester Mixer - Primary - Installation			-		-	20 %	10,37,491. 20		-		-		-		-		-
xx i.	Digester Sludge Recirculation Pump - Supply	51,87,456. 00		-		-	80 %	41,49,964. 80		-		-		-		-		-

S N	Description of Items	BOQ Amount	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
xx ii.	Digester Sludge Recirculation Pump - Installation			-		-		-		-		-		-	20 %	10,37,491. 20		-
xx iii.	Digester Sludge Heating System and Ancilliary Equipment-Supply	51,87,456. 00		-		-	80 %	41,49,964. 80		-		-		-		-		-
xx iv.	Digester Sludge Heating System and Ancilliary Equipment- Installation			-		-		-		-		-		-	20 %	10,37,491. 20		-
xx v.	Digested Sludge /Centrifuge Feed Pumps - Supply	51,87,456. 00		-		-	80 %	41,49,964. 80		-		-		-		-		-
xx vi.	Digested Sludge /Centrifuge Feed Pumps - Installation			-		-		-		-	20 %	10,37,491. 20		-		-		-
xx vii .	Centrifuge Machine - Supply	51,87,456. 00		-		-		-		-	80 %	41,49,964. 80		-		-		-
xx vii i.	Centrifuge Machine - Installation			-		-		-		-		-		-	20 %	10,37,491. 20		-
xx ix.	Supertanant Pumps - Supply	51,87,456. 00	80 %	41,49,964.80		-		-		-		-		-		-		-
xx x.	Supertanant Pumps - Installation			-		-	20 %	10,37,491. 20		-		-		-		-		-
xx xi.	Gas Scrubber with ancilliary equipment -	51,87,456. 00		-		-		-		-		-		-	80 %	41,49,964. 80		-

S N	Description of Items	BOQ Amount	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																	
xx xii .	Gas Scrubber with ancilliary equipment - Installation			-		-		-		-		-		-	20 %	10,37,491. 20		-
xx xii i.	Gas Engine with ancilliary equipment - Supply	51,87,456. 00		-		-		-		-		-		-	80 %	41,49,964. 80		-
xx xi v.	Gas Engine with ancilliary equipment - Installation			-		-		-		-		-		-	20 %	10,37,491. 20		-
xx xv .	Gas Flaring System - Supply	51,87,456. 00		-		-		-		-		-		-	80 %	41,49,964. 80		-
xx xv i.	Gas Flaring System - Installation			-		-		-		-		-		-	20 %	10,37,491. 20		-
xx xv ii.	Agitator for blending tank - Supply	51,87,456. 00	80 %	41,49,964.80		-		-		-		-		-				-
xx xv iii.	Agitator for blending tank - Installation			-		-		-		-	20 %	10,37,491. 20		-				-
xx xi x.	Agitator for Digester Feed Sump - Supply	51,87,456. 00	80 %	41,49,964.80		-		-		-		-		-				-
xx xx .	Agitator for Digester Feed Sump - Installation			-		-		-		-	20 %	10,37,491. 20		-				-
xx xx	Agitator for Centrifuge Feed	51,87,456. 00	80 %	41,49,964.80		-		-		-		-		-		-		-



S N	Description of Items	BOQ Amount	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.	Sump - Supply																	
xx xx ii.	Agitator for Centrifuge Feed Sump - Installation			-		-		-		-	20 %	10,37,491. 20		-		-		-
xx xx iii.	Agitator for Poly Dosing Tank - Supply	51,87,456. 00	80 %	41,49,964.80		-		-		-		-		-		-		-
xx xx iv.	Agitator for Poly Dosing Tank - Installation			-		-		-		-	20 %	10,37,491. 20		-		-		-
xx xx v.	Poly Dosing Pumps - Supply	51,87,456. 00	80 %	41,49,964.80		-		-		-		-		-		-		-
xx xx vi.	Poly Dosing Pumps - Installation			-		-		-		-	20 %	10,37,491. 20		-		-		-
xx xx vii .	Valves - Supply	103,74,91 2.00		-		-		-		-	80 %	82,99,929. 60		-		-		-
xx xx vii i.	Valves - Installation			-		-		-		-	10 %	10,37,491. 20		-	10 %	10,37,491. 20		-
xx xx ix.	Gates (Open Channel ) - Supply	103,74,91 2.00		-		-		-		-	80 %	82,99,929. 60	60 %	62,24,94 7.20		-		-
xx xx x.	Gates (Open Channel ) - Installation			-		-		-		-	10 %	10,37,491. 20		-	10 %	10,37,491. 20		-
xx xx xi.	Existing Duel Fuel Generators	51,87,456. 00		-		-		-		-		-		-	10 0%	51,87,456. 00		-

S N	Description of Items	BOQ Amount	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
xx xx xii .	Gas Holder Dome- Fabrication	51,87,456. 00		-		-		-		-		-		-	10 0%	51,87,456. 00		-
xx xx xii i.	Borewell Pump - Supply	51,87,456. 00		-		-	80 %	41,49,964. 80	40 %	20,74,98 2.40		-		-		-		-
xx xx xi v.	Borewell Pump - Installation			-		-		-		-	20 %	10,37,491. 20	10 %	5,18,745. 60		-		-
xx xx xv .	Service Water Pump - Supply	51,87,456. 00	80 %	41,49,964.80		-		-		-		-		-		-		-
xx xx xv i.	Service Water Pump - Installation			-		-	20 %	10,37,491. 20		-		-		-		-		-
xx xx xv ii.	Overhead Tank - Supply	51,87,456. 00		-		-		-		-		-		-	80 %	41,49,964. 80		-
xx xx xv iii.	Overhead Tank - Erection			-		-		-		-		-		-	20 %	10,37,491. 20		-
xx xx xi x.	Dewatering Pump for Dry well - Supply	51,87,456. 00		-		-	80 %	41,49,964. 80		-		-		-		-		-
xx xx	Dewatering Pump for Dry well -			-		-	10 %	5,18,745.6 0		-	10 %	5,18,745.6 0		-		-		-

S N	Description of Items	BOQ Amount	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
xx .	Erection																	
xx xx xx i.	Monorail for lifting arrangement - Supply	51,87,456. 00	80 %	41,49,964.80	60 %	31,12,473. 60				-				-				-
xx xx xx ii.	Monorail for lifting arrangement - Installation		20 %	10,37,491.20	12 %	6,22,494.7 2				-				-				-
xx xx xx iii.	DI Pipes & Fittings - Supply	51,87,456. 00		-		-	40 %	20,74,982. 40		-	40 %	20,74,982. 40		-				-
xx xx xx iv.	DI Pipes & Fittings - Installation			-		-				-	20 %	10,37,491. 20		-				-
xx xx xx v.	MS Pipes & Fittings - Supply	51,87,456. 00		-		-	40 %	20,74,982. 40		-	40 %	20,74,982. 40		-				-
xx xx xx vi.	MS Pipes & Fittings - Erection			-		-				-	20 %	10,37,491. 20		-				-
xx xx xx vii .	SS Pipes & Fittings - Supply	51,87,456. 00		-		-	40 %	20,74,982. 40		-	40 %	20,74,982. 40		-				-
xx xx xx	SS Pipes & Fittings - Erection			-		-				-	20 %	10,37,491. 20		-				-

S N	Description of Items	BOQ Amount	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
vii i.																		
xx xx xx ix.	Lab Equipment - Supply	51,87,456. 00		-		-				-				-	80 %	41,49,964. 80		-
xx xx xx x.	Lab equipment- Installation			-		-				-				-	20 %	10,37,491. 20		-
xx xx xx xi.	Testing & Commissioning for Mechanical Items	129,68,64 0.00		-		-				-				-	10 0%	129,68,64 0.00		-
C.	<b>Electrical Work(Renovation /New Procurement)</b>																	
i.	Supply of DP structure	48,03,200. 00				-		-		-				-	80 %	38,42,560. 00	80 %	38,42,560.00
ii.	Installation of DP structure					-		-		-				-	20 %	9,60,640.0 0	10 %	4,80,320.00
iii.	Supply of HT Metering Panel	48,03,200. 00				-				-		-		-	80 %	38,42,560. 00		-
iv.	Installation of HT Metering Panel					-				-		-		-	20 %	9,60,640.0 0		-
v.	Supply of HT VCB panel	96,06,400. 00				-				-		-		-	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	96,06,400. 00	80 %	76,85,120.00	80 %	76,85,120. 00				-				-		-		-

S N	Description of Items	BOQ Amount	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
vii i.	Installation of Transformer					-				-	20 %	19,21,280. 00		-		-		-
ix.	Supply of Main PCC panel	96,06,400. 00	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	96,06,400. 00				-				-				-	80 %	76,85,120. 00		-
xii .	Installation of Other equipments panel (MCC-2 PANEL)/Bar screen panel/Thickener Panel					-				-				-	20 %	19,21,280. 00		-
xii i.	Supply of Digester system panel (MCC-3 PANEL)	96,06,400. 00				-				-				-	80 %	76,85,120. 00		-
xi v.	Installation of Digester system panel (MCC-3 PANEL)					-				-				-	20 %	19,21,280. 00		-
xv .	Supply of APFCR panel with AL reactor	48,03,200. 00				-				-				-	80 %	38,42,560. 00		-
xv i.	Installation of APFCR panel with AL reactor					-				-				-	20 %	9,60,640.0 0		-

S N	Description of Items	BOQ Amount	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
xv ii.	Supply of Aerators & Other equipment panel (MCC-1 PANEL)	48,03,200. 00				-				-				-	80 %	38,42,560. 00		-
xv iii.	Installation of Aerators & Other equipment panel (MCC-1 PANEL)					-				-				-	20 %	9,60,640.0 0		-
xi x.	Supply of LPBS for Motors	48,03,200. 00				-		-		-				-	80 %	38,42,560. 00		-
xx .	Installation of LPBS for Motors					-		-		-				-	20 %	9,60,640.0 0		-
xx i.	Supply of Cable Tray	48,03,200. 00				-				-		-		-	80 %	38,42,560. 00	80 %	38,42,560.00
xx ii.	Installation of Cable Tray					-				-		-		-	20 %	9,60,640.0 0		-
xx iii.	Supply of LT Cable	48,03,200. 00				-				-		-		-	80 %	38,42,560. 00	80 %	38,42,560.00
xx iv.	Installation of LT Cable					-				-		-		-	20 %	9,60,640.0 0		-
xx v.	Supply of Street Light Fixture	48,03,200. 00				-				-				-	80 %	38,42,560. 00		-
xx vi.	Installation of Street Light Fixture					-				-				-	20 %	9,60,640.0 0		-
xx vii .	Earthing Work	48,03,200. 00				-				-				-	10 0%	48,03,200. 00	80 %	38,42,560.00
xx vii i.	Testing & Commissioning for Electrical Items	48,03,200. 00		-		-				-		-		-	10 0%	48,03,200. 00		-
D.	<b>SUMP CUM PUMP HOUSE</b>																	

S N	Description of Items	BOQ Amount	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>(200 MLD)</b>																	
a.	<b>CIVIL WORK</b>																	
i.	Excavation	17,53,168.00	100 %	17,53,168.00				-										
ii.	PCC	35,06,336.00	100 %	35,06,336.00				-										
iii.	Raft Foundation/Raft	52,59,504.00		-			100 %	52,59,504.00								-		
iv.	Column & Beam work	52,59,504.00		-			100 %	52,59,504.00								-		
v.	Wall 50% of total lift work	52,59,504.00		-				-			100 %	52,59,504.00				-		
vi.	Walls (balance 50% of Total Lift work)	52,59,504.00		-				-			100 %	52,59,504.00				-		
vii .	Ground Floor Slab	17,53,168.00		-				-			100 %	17,53,168.00				-		
vii i.	Roof Slab	17,53,168.00		-				-			100 %	17,53,168.00				-		
ix.	Brickwork & Plaster	35,06,336.00		-				-				-			10 0%	35,06,336.00		
x.	Finishing Work	17,53,168.00		-				-				-			10 0%	17,53,168.00		
b.	<b>MECHANICAL WORK</b>																	
	<b>PUMPING SYSTEM</b>																	
	(i) On supply of machinery/equipment at site	230,55,360.00									60 %	138,33,216.00	36 %	8383767.27	40 %	92,22,144.00		
	(ii) On completion of erection works	43,22,880.00													10 0%	43,22,880.00		

S N	Description of Items	BOQ Amount	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	14,40,960. 00													10 0%	14,40,960. 00		
	<b>EOT/HOIST WORKS</b>																	
	(i) On supply of machinery/equip ment at site	61,48,096. 00									100 %	61,48,096. 00						
	(ii) On completion of erection works	11,52,768. 00													10 0%	11,52,768. 00		
	(iii) On completion of Testing of equipment	3,84,256.0 0													10 0%	3,84,256.0 0		
	<b>ELECTRICAL WORK</b>																	
	(i) On supply of machinery/equip ment at site	49,95,328. 00									100 %	49,95,328. 00	50 %	2497664. 00				
	(ii) On completion of erection works	9,36,624.0 0													10 0%	9,36,624.0 0		
	(iii) On completion of Testing of equipment	3,12,208.0 0													10 0%	3,12,208.0 0		
										-				-				-
E.	<b>Chlorination Tank Area</b>																	
i.	Excavation	4,80,320.0 0	100 %	4,80,320.00														
i.	PCC	9,60,640.0 0	100 %	9,60,640.00														



S N	Description of Items	BOQ Amount	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/Raft	14,40,960. 00		-			100 %	14,40,960. 00										
iii.	Wall 50% of total lift work	19,21,280. 00		-			100 %	19,21,280. 00										
iv.	Walls (balance 50% of Total Lift work)	19,21,280. 00		-				-			100 %	19,21,280. 00						
v.	Baffle Walls work	9,60,640.0 0		-				-			100 %	9,60,640.0 0						
vi.	Brickwork & Plaster	14,40,960. 00		-				-			100 %	14,40,960. 00				-		
ix.	Finishing Work	4,80,320.0 0		-											10 0%	4,80,320.0 0		
F	<b>Chlorination Room Area</b>																	
i.	Excavation	4,80,320.0 0	100 %	4,80,320.00														
i.	PCC	9,60,640.0 0	100 %	9,60,640.00														
ii.	RCC Foundation/Colu mn Footing	14,40,960. 00		-			100 %	14,40,960. 00										
iii.	Column & Beam work	19,21,280. 00		-			100 %	19,21,280. 00										
iv.	Ground Floor Slab	19,21,280. 00		-				-			100 %	19,21,280. 00						
v.	Roof Slab	9,60,640.0 0		-				-			100 %	9,60,640.0 0						
vi.	Brickwork	9,60,640.0 0		-				-			100 %	9,60,640.0 0				-		
ix.	Plaster	4,80,320.0 0		-							100 %	4,80,320.0 0				-		
x.	Finishing Work	4,80,320.0		-											10	4,80,320.0		

S N	Description of Items	BOQ Amount	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
		0													0%	0		
a.	<b>MECHANICAL WORK</b>																	
	<b>CHLORINATION SYSTEM</b>																	
	(i) On supply of machinery/equip ment at site	207,49,82 4.00										-			10 0%	207,49,82 4.00		
	(ii) On completion of erection works	38,90,592. 00													10 0%	38,90,592. 00		
	(iii) On completion of Testing of equipment	12,96,864. 00													10 0%	12,96,864. 00		
	<b>HOIST WORKS</b>																	
	(i) On supply of machinery/equip ment at site	34,58,304. 00									100 %	34,58,304. 00						
	(ii) On completion of erection works	6,48,432.0 0													10 0%	6,48,432.0 0		
	(iii) On completion of Testing of equipment	2,16,144.0 0													10 0%	2,16,144.0 0		
	<b>ELECTRICAL &amp; INSTRUMENTATI ON WORK</b>																	
	(i) On supply of machinery/equip ment at site	57,63,840. 00									100 %	57,63,840. 00						
	(ii) On completion of erection works	10,80,720. 00													10 0%	10,80,720. 00		

S N	Description of Items	BOQ Amount	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	3,60,240.0 0													10 0%	3,60,240.0 0		
III	<b>RENOVATION WORK for IPS (4 nos) &amp; CSPS (1no)</b>																	
a.i	<b>Civil Works</b>									-				-				-
	<b>(i) Nawabganj IPS</b>									-				-				-
	a. Retrofication of Inlet Chamber	13,44,896. 00	100 %	13,44,896.00	90 %	1210406.4 0												
	b. Retrofication of Screen Chamber	13,44,896. 00	100 %	13,44,896.00	90 %	1210406.4 0												
	c. Retrofication of Wet Well	13,44,896. 00					100 %	13,44,896. 00	80 %	1075916. 80								
	d. Retrofication of Pump House	13,44,896. 00					100 %	13,44,896. 00	80 %	1075916. 80								
a. ii.	<b>Mechanical Work(Servicing &amp; Overhauling/New Procurement)</b>																	
	<b>(i) Nawabganj IPS</b>									-				-				-
	a. Supply of Centrifugal Pump	13,44,896. 00					80 %	10,75,916. 80										
	b. Installation of Centrifugal Pump										20 %	2,68,979.2 0						
	c. SS/MS Structural Work - Supply	6,72,448.0 0					80 %	5,37,958.4 0										
	d. SS/MS Structural Work - Fabrication										20 %	1,34,489.6 0						

S N	Description of Items	BOQ Amount	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	13,44,896.00									80 %	10,75,916.80						
	f. Valves and NRV - Installation														20 %	2,68,979.20		
	g. Pipe & Fitting - Supply	6,72,448.00									80 %	5,37,958.40						
	h. Pipe & Fittings - Erection														20 %	1,34,489.60		
	i. Monorail for lifting arrangement - Supply	6,72,448.00	80 %	5,37,958.40	60 %	403468.80												
	j. Monorail for lifting arrangement - Installation						20 %	1,34,489.60	12 %	80693.76								
	k. Dewatering Pump for dry well - Supply	6,72,448.00	80 %	5,37,958.40														
	l. Dewatering Pump for dry well - Installation						20 %	1,34,489.60										
a. iii.	<b>Electrical Work(Servicing &amp; Overhauling/New Procurement)</b>	13,44,896.00		-				-			50 %	6,72,448.00			50 %	6,72,448.00		
a. iv.	<b>Testing &amp; Commissioning</b>	13,44,896.00		-				-				-			10 0%	13,44,896.00		
b. i.	<b>Civil Works</b>																	
	<b>(i) Parmat IPS</b>																	
	a. Retrofication of Inlet Chamber	13,44,896.00	100 %	13,44,896.00														

S N	Description of Items	BOQ Amount	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. Retrofication of Screen Chamber	13,44,896. 00	100 %	13,44,896.00														
	c. Retrofication of Wet Well	13,44,896. 00					100 %	13,44,896. 00										
	d. Retrofication of Pump House	13,44,896. 00					100 %	13,44,896. 00										
ii.	<b>Mechanical Work(Servicing &amp; Overhauling/New Procurement)</b>																	
	<b>(i) Parmat IPS</b>								-				-					-
	a. Supply of Centrifugal Pump	13,44,896. 00					80 %	10,75,916. 80										
	b. Installation of Centrifugal Pump										20 %	2,68,979.2 0						
	c. SS/MS Structural Work - Supply	6,72,448.0 0					80 %	5,37,958.4 0										
	d. SS/MS Structural Work - Fabrication										20 %	1,34,489.6 0						
	e. Valves and NRV - Supply	13,44,896. 00									80 %	10,75,916. 80						
	f. Valves and NRV - Installation														20 %	2,68,979.2 0		
	g. Pipe & Fitting - Supply	6,72,448.0 0									80 %	5,37,958.4 0						
	h. Pipe & Fittings - Erection														20 %	1,34,489.6 0		
	i. Monorail for lifting arrangement - Supply	6,72,448.0 0	80 %	5,37,958.40	60 %	403468.80												

S N	Description of Items	BOQ Amount	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
	j. Monorail for lifting arrangement - Installation						20 %	1,34,489.6 0	12 %	80693.76								
	k. Dewatering Pump for dry well - Supply	6,72,448.0 0	80 %	5,37,958.40														
	l. Dewatering Pump for dry well - Installation						20 %	1,34,489.6 0										
iii.	<b>Electrical Work(Servicing &amp; Overhauling/New Procurement)</b>	13,44,896. 00		-				-			50 %	6,72,448.0 0			50 %	6,72,448.0 0		
iv.	<b>Testing &amp; Commissioning</b>	13,44,896. 00		-				-				-			10 0%	13,44,896. 00		
c.i .	<b>Civil Works</b>																	
	<b>(i) Baba Ghat IPS</b>																	
	a. Retrofication of Inlet Chamber	13,44,896. 00	100 %	13,44,896.00	80 %	1075916.8 0												
	b. Retrofication of Screen Chamber	13,44,896. 00	100 %	13,44,896.00	90 %	1210406.4 0												
	c. Retrofication of Wet Well	13,44,896. 00					100 %	13,44,896. 00	80 %	1075916. 80								
	d. Retrofication of Pump House	13,44,896. 00					100 %	13,44,896. 00	80 %	1075916. 80								
ii.	<b>Mechanical Work(Servicing &amp; Overhauling/New Procurement)</b>																	
	<b>(i) Baba Ghat IPS</b>									-				-				-

S N	Description of Items	BOQ Amount	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
	a. Supply of Submersible Pump alongwith Electric Motor	13,44,896. 00					80 %	10,75,916. 80										
	b. Installation of Submersible Pump alongwith Electric Motor										20 %	2,68,979.2 0						
	c. SS/MS Structural Work - Supply	6,72,448.0 0					80 %	5,37,958.4 0										
	d. SS/MS Structural Work - Fabrication										20 %	1,34,489.6 0						
	e. Valves and NRV - Supply	13,44,896. 00									80 %	10,75,916. 80	80 %	1075916. 80				
	f. Valves and NRV - Installation														20 %	2,68,979.2 0		
	g. Pipe & Fitting - Supply	6,72,448.0 0									80 %	5,37,958.4 0						
	h. Pipe & Fittings - Erection														20 %	1,34,489.6 0		
	i. Monorail for lifting arrangement - Supply	6,72,448.0 0	80 %	5,37,958.40	60 %	403468.80												
	j. Monorail for lifting arrangement - Installation						20 %	1,34,489.6 0	12 %	80693.76								
	k. Dewatering Pump for dry well - Supply	6,72,448.0 0	80 %	5,37,958.40														

S N	Description of Items	BOQ Amount	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. Dewatering Pump for dry well - Installation						20 %	1,34,489.6 0										
iii.	<b>Electrical Work(Servicing &amp; Overhauling/New Procurement)</b>	13,44,896. 00		-							70 %	9,41,427.2 0			30 %	4,03,468.8 0		
iv.	<b>Testing &amp; Commissioning</b>	13,44,896. 00		-				-				-			10 0%	13,44,896. 00		
d. i.	<b>Civil Works</b>																	
	<b>(i) Guptar Ghat IPS</b>																	
	a. Retrofication of Inlet Chamber	13,44,896. 00	100 %	13,44,896.00	90 %	1210406.4 0												
	b. Retrofication of Screen Chamber	13,44,896. 00	100 %	13,44,896.00	90 %	1210406.4 0												
	c. Retrofication of Wet Well	13,44,896. 00					100 %	13,44,896. 00	90 %	1210406. 40								
	d. Retrofication of Pump House	13,44,896. 00					100 %	13,44,896. 00	90 %	1210406. 40								
ii.	<b>Mechanical Work(Servicing &amp; Overhauling/New Procurement)</b>																	
	<b>(i) Guptar Ghat IPS</b>									-				-				-
	a. Supply of Centrifugal Pump	13,44,896. 00					80 %	10,75,916. 80										
	b. Installation of Centrifugal Pump										20 %	2,68,979.2 0						
	c. SS/MS Structural Work -	6,72,448.0 0					80 %	5,37,958.4 0										



S N	Description of Items	BOQ Amount	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																	
	d. SS/MS Structural Work - Fabrication										20 %	1,34,489.6 0						
	e. Valves and NRV - Supply	13,44,896. 00									80 %	10,75,916. 80						
	f. Valves and NRV - Installation														20 %	2,68,979.2 0		
	g. Pipe & Fitting - Supply	6,72,448.0 0									80 %	5,37,958.4 0						
	h. Pipe & Fittings - Erection														20 %	1,34,489.6 0		
	i. Monorail for lifting arrangement - Supply	6,72,448.0 0	80 %	5,37,958.40														
	j. Monorail for lifting arrangement - Installation						20 %	1,34,489.6 0										
	k. Dewatering Pump for dry well - Supply	6,72,448.0 0	80 %	5,37,958.40														
	l. Dewatering Pump for dry well - Installation						20 %	1,34,489.6 0										
iii.	Electrical Work(Servicing & Overhauling/New Procurement)	13,44,896. 00		-							50 %	6,72,448.0 0			50 %	6,72,448.0 0		
iv.	Testing & Commissioning	13,44,896. 00		-											10 0%	13,44,896. 00		
e.i	Civil Works																	

S N	Description of Items	BOQ Amount	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) CSPA - Jajmau</b>																	
	a. Retrofication of Inlet Chamber	13,44,896. 00	100 %	13,44,896.00	80 %	1075916.8 0												
	b. Retrofication of Screen Chamber	13,44,896. 00	100 %	13,44,896.00	80 %	1075916.8 0												
	c. Retrofication of Wet Well	13,44,896. 00					100 %	13,44,896. 00										
	d. Retrofication of Pump House	13,44,896. 00					100 %	13,44,896. 00	80 %	1075916. 80								
ii.	<b>Mechanical Work(Servicing &amp; Overhauling/New Procurement)</b>																	
	<b>(i) CSPA - Jajmau</b>									-				-				-
	a. Supply of Centrifugal Pump	13,44,896. 00					80 %	10,75,916. 80										
	b. Installation of Centrifugal Pump										20 %	2,68,979.2 0						
	c. SS/MS Structural Work - Supply	6,72,448.0 0					80 %	5,37,958.4 0										
	d. SS/MS Structural Work - Fabrication										20 %	1,34,489.6 0						
	e. Valves and NRV - Supply	13,44,896. 00									80 %	10,75,916. 80						
	f. Valves and NRV - Installation														20 %	2,68,979.2 0		
	g. Pipe & Fitting - Supply	6,72,448.0 0									80 %	5,37,958.4 0						
	h. Pipe & Fittings -														20	1,34,489.6		

S N	Description of Items	BOQ Amount	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
	Erection														%	0		
	i. Monorail for lifting arrangement - Supply	6,72,448.0 0	80 %	5,37,958.40														
	j. Monorail for lifting arrangement - Installation						20 %	1,34,489.6 0										
	k. Dewatering Pump for dry well - Supply	6,72,448.0 0		-			80 %	5,37,958.4 0										
	l. Dewatering Pump for dry well - Installation						20 %	1,34,489.6 0				-						
	k. Mechanical & Manual Bar Screen - Supply	6,72,448.0 0	80 %	5,37,958.40				-				-				-		
	l. Mechanical & Manual Bar Screen - Installation	-		-			20 %	1,34,489.6 0				-				-		
iii.	Electrical Work(Servicing & Overhauling/New Procurement)	6,72,448.0 0		-				-			51. 5%	3,46,214.6 6			49 %	3,26,617.6 0		
iv.	Testing & Commissioning	13,44,896. 00		-				-				-			10 0%	13,44,896. 00		
IV	RTOLM WORK for STP ,IPS & CSPS Aea																	
1	STP Aea	-																

S N	Description of Items	BOQ Amount	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.	Supply of Local Field Instruments for STP facility	33,62,240. 00		-							80 %	26,89,792. 00				-		
ii.	Installation of Local Field Instruments for STP facility			-							20 %	6,72,448.0 0				-		
iii.	Supply of Remote Field Instruments for STP facility	33,62,240. 00		-							80 %	26,89,792. 00				-		
iv.	Installation of Remote Field Instruments for STP facility			-							20 %	6,72,448.0 0				-		
v.	Supply of False Floor at PLC Control Room for STP facility	24,01,600. 00		-							80 %	19,21,280. 00				-		
vi.	Installation of False Floor at PLC Control Room for STP facility			-							20 %	4,80,320.0 0				-		
vii.	Supply of AC at PLC Control Room for STP facility	9,60,640.0 0		-								-			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	33,62,240. 00		-								-			80 %	26,89,792. 00		
x.	Installation of PLC Panel for STP			-								-			20 %	6,72,448.0 0		

S N	Description of Items	BOQ Amount	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
	facility																	
xi.	Supply of AC at RIO Panel Room for STP facility	9,60,640.0 0		-								-			80 %	7,68,512.0 0		
xii .	Installation of AC at RIO Panel Room for STP facility			-								-			20 %	1,92,128.0 0		
xii i.	Supply of RIO Panel for STP facility	24,01,600. 00		-								-			80 %	19,21,280. 00		
xi v.	Installation of RIO Panel for STP facility			-								-			20 %	4,80,320.0 0		
xv .	Supply of UPS & UPS ACDB for STP facility	24,01,600. 00		-								-			80 %	19,21,280. 00		
xv i.	Installation of UPS & UPS ACDB for STP facility			-								-			20 %	4,80,320.0 0		
xv ii.	Supply of Instrument, Control & Bus Cable Work for STP facility	48,03,200. 00		-								-			80 %	38,42,560. 00	80 %	3842560.00
xv iii.	Installation of Instrument, Control & Bus Cable Work for STP facility			-								-			20 %	9,60,640.0 0		
xi x.	Testing & Commissioning of PLC & RIO for STP facility	24,01,600. 00		-								-			10 0%	24,01,600. 00		

S N	Description of Items	BOQ Amount	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
2	IPS & CSPA Aea																	
i.	Supply of Local Field Instruments for IPS & CSPA facility	33,62,240. 00		-							80 %	26,89,792. 00						
ii.	Installation of Local Field Instruments for IPS & CSPA facility			-							13 %	4,37,091.2 0			7%	2,35,356.8 0		
iii.	Supply of Remote Field Instruments for IPS & CSPA facility	33,62,240. 00		-								-			80 %	26,89,792. 00		
iv.	Installation of Remote Field Instruments for IPS & CSPA facility			-								-			20 %	6,72,448.0 0		
v.	Supply of RTU/RIO Panel for IPS & CSPA facility	28,81,920. 00		-								-			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	24,01,600. 00		-											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	48,03,200. 00		-				-				-			80 %	38,42,560. 00		

S N	Description of Items	BOQ Amount	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
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	24,01,600. 00		-				-				-			10 0%	24,01,600. 00		
xii.	Testing & Commissioning of Cloud based RTOLMS facility	24,01,600. 00		-				-				-			10 0%	24,01,600. 00		
				-				-				-						-
V	TRIAL RUN & COMMISSIONING																	
1	Trial Run & Commissioning							-				-						-
		9606,40,0 00.00		2401,60,000.0 0		1508,65,3 70.71		2401,60,0 00.00		889,04,2 54.02		2401,60,0 00.00		309,69,3 74.31		2401,60,0 00.00		284,15,731.20

## 130MLD STP JAJMAU Site Pictures during renovation period



**Renovation work of Sludge Thickener 02 is in under progress**



**Renovation work of Primary Sedimentation tank 02 is in under progress**





**Renovation work of Final Sedimentation tank 01 is in under progress**



**Renovation work of Grit Separator 1 & 2 Completed and 3<sup>rd</sup> Nos. is in under 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  
28.10.2021  
29.10.2021 } inspection report issued on 31.10.2021
5. 23.11.2021 } inspection report issued on 30.11.2021
6. 27.11.2021 }

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

**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.
- 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**

- Renovation work of Grit chamber 03 partially done. Steel exposure area should be rectified from bottom area of Grit chamber 01.
- Classifier no.02 & 03 Concessionaire promises to rectify the grit classifier defects within 2 days but KRMPL has not been rectifying till dated.
- Organic pump no.02 & 03 has not been installed as per approved drawing. 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.

#### **vi. Primary Sedimentation Tank**

- Plastering and finishing work partially done as per approved procedure at Primary sedimentation tank 02.
- Renovation in base slab and central shaft need to be done.
- Concessionaire also promised to complete the equipment installation work of PST 02 by December end. But installation of Mechanical equipments yet not completed.
- PST 01 renovation work not started by KRMPL at site.

#### **vii. Sludge thickener Tank**

- Renovation work of Sludge thickener 02 partially done by Concessionaire.
- Sludge line for Inlet and Outlet flow need to be clean and repaired if required.
- Sludge thickener no.1 dismantling work not started by KRMPL by till date.

#### **viii. Blending tank agitator**

- Concessionaire has submitted and PE approved their submit datasheet, but installation work didn't started.
- Concessionaire needs to be clean upto bottom of tank.
- Incoming and outgoing sludge line need to be clean and repaired if required.

#### **ix. Aeration Tank**

- Civil structure found in poor condition and need to be rehabilitated.
- 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 and PO copy of Aerators not submitted to UPJN & PE as a proof of order confirmation.

#### **x. Return sludge pump House**

- Plastering work, Painting work of outer surface of Pump house done by Concessionaire.
- 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. The remaining 2 nos. new pumps has been installed

at site but they are not working condition till date.

- Concessionaire PO copy has not submitted to UPJN & PE as a proof of order confirmation and arrange delivery by December 2021.

**xi. Treated effluent pump house:**

- Out of 11 Nos. pumps in TEPH, 04 nos. pumps are received at site. 2 Nos. of Pump has been installed at site. But they are not in working condition.
- Concessionaire ensures to supply all pumps as per construction plan.

**xii. Centrifuge 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.

**xiii. Sludge Digester**

- Concessionaire has done partially cleaning work of primary digester tank.
- Concessionaire need to arrange efficient Nos. of labour for renovate the work.
- Concessionaire has to submit the technical data sheet of sludge digester at the earliest so that PE & UPJN can give clearance on early basis after thorough review. But Concessionaire has not been submitted the technical datasheet of sludge for review of PE & UPJN.

**xiv. Final Sedimentation Tank**

- Concessionaire done plastering and finishing work partially as per approved procedure at FST2.
- Concessionaire promised that the equipment of 130 MLD FST no. 1 will be inspected tomorrow i.e, on 11<sup>th</sup> Oct. 2021 & will reach site by 20th Oct. 2021. The Equipment of 130 MLD FST will reach site till 20th Oct. 2021. Concessionaire also promised to complete the equipment installation work of FST by December end. But PST equipment complete sets are not reaching at site till date.

**xv. Dual Fuel Generator (DFG)**

- UP Jal Nigam has directed to Concessionaire to replace existing 5 Nos. DFG sets with new 5 Nos. DFG sets with total capacity of 2500kW for providing both 100% Power backup and additional power generation as per CA. As an alternative, at no additional cost, KRMPL may consider 5 Nos. Diesel Generators (DG) for Backup Power with total capacity equal to 2500kW and Biogas Generators as needed for 100% utilizing of biogas produced from Jajmau facilities.

**xvi. Scrubbing & Flaring System**

- Concessionaire has not been submitted the QAP and datasheet of scrubbing and flaring system as per CA.

**xvii. Combined sewage pumping station**

- Concessionaire has been submitted the QAP and datasheet of CSPS but pumps quantity has not been finalized by KRMPL till date.

**xviii. 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.

**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 not been declared yet. The KRMPL has not submitted the list of adequate staff deployed for proper O&M of 43 MLD Jajmau phase-II facilities yet.

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

**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. Nidhi Dwivedi, Project Officer (Technical), NMCG, Mr. Bhaskar Ray, TL and Mr. Dinesh Chamoli, O&M Expert ,PMC inspected site on 28.10.2021.

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

**ii. O&M Manual**

- KRMPL submitted O&M Manual vide KRMPL letter no.1816 dated 18.10.2021.After review PE has given comments on O&M Manual vide PE letter no.1239 dated 01.11.2021.KRMPL is yet to resubmit O&M manual after incorporating comments given by PE.
- 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

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. Performance of Plant

- KRMPL has submitted Monthly performance report for 43 MLD Jajmau Phase-II for the Month of Oct-2021. (enclosed with annexure 1 )
- After review PE has given comments on Monthly performance report for 43 MLD Jajmau Phase-II vide PE letter no.1271 dated 18.11.2021. KRMPL is yet to resubmit Monthly performance report for the month of Oct-2021 after incorporating comments given by PE.
- All the KPIs were within prescribe limit during the month of Oct-2021

### v. Mechanical Screens (Fine Screens)

- Both Mechanical screens & conveyer belt found non operational every time when officials of PE/UPJN/NMCG 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 found non functional due to classifier gear system was broken. 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.

### vii. Sludge Digester

Out of 4 nos. sludge digester mixers installed, all are not in working condition.

### viii. Air Blower system

PE informed ED (Projects) that out of 3 nos. of air blower, 1 no. air blower is not working after handing over to the concessionaire and till date the concessionaire has not been overhauling the blower. If the blower will not be overhauled then at the time of malfunctioning of running blowers, it can't be replaced by standby blower and the system running may hamper. On such note, ED (Projects) directed the concessionaire to overhaul the standby blower at the earliest. But blower will not be overhauled by KRMPL yet.

### ix. Centrifuge system

Both Centrifuges needs to be repair.

### x. Disposal Sludge

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

### xi. DG set

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.



### 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. has been installed at site and it has been synchronised with RTOLMS. It is not calibrated. Calibration report needs to be provided. Another 2<sup>nd</sup> no. electro-magnetic flow meters 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. 24.11.2021
  15. 26.11.2021

} Inspection reports issued on 31.08.2021

} Inspection reports issued on 31.10.2021.

} Inspection reports issued on 29.11.2021 for STP & IPS (inspection report enclosed)

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

16. 23.09.2021 – inspection report issued on 27.09.2021

Compliance of the above inspection report was submitted by KRMPL vide KRMPL letter no. 1790 dated 06.10.2021 (received on 07.10.2021) which was verified on the same date i.e., 07.10.2021 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.

- Since 28<sup>th</sup> January 2020 rectifications of defects indicated in different inspection reports have not been done by the KRMPL and they are extending dates continuously every month. Copy of Inspection reports submitted in the month of November 2021 of Bingawan facilities is 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 for year 2<sup>nd</sup> (i.e, Nov. 2020 to Nov. 2021). Previously it was taken for 257.6 crore that was to be increased by 5% and cost of RTOLMS was to be included but instead of increasing and including the cost of RTOLMS, the insured value has been decreased from 257.6 crore to 182.91 crore, which is not acceptable.
- KRMPL has not yet submitted the Insurance Policies of year 3<sup>rd</sup> (i.e, Nov. 2021 to Nov. 2022).

## **IV. MPS**

- Both mechanical coarse screens are not functional from 28.01.2020
- Out of 12 nos. pumps installed, only 08 pumps are working properly and out of the rest 4 nos. pumps, pump no. 3,4 are not pumping sewage and pump no. 8,9 are not working.
- KRMPL had promised to complete Butterfly valve chamber near MPS by 15.08.2021 but not completed yet.
- Main pump house sump has been filled with floating garbage since both mechanical screens are not working. Manual cleaning is also not being done.

## **V. Inlet Chamber**

- Out of 3 nos. fine mechanical screen, all are non functional since 28.01.2020.
- Out of 04 grit removal system, the ORP of two grit classifier are not working and Grit classifier no. 1, 2 & 3 are not functioning properly.
- Many of the outdoor lights are not working which has not been replaced yet.
- 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 are not being met during the month of Nov. 2021. Out of 16 reactors, 7 nos. UASB reactors (reactor no. 1, 2, 3, 4, 5, 8 & 12) have been cleaned & refilled for reactivation. Sludge blankets are still not formed in the above reactors. Reactors 6 was taken up for cleaning from April 2021, Reactors no. 9, 10,11 were taken up for cleaning from July 2021 & Reactor no.16 has been taken up for cleaning from Sept. 2021. Remaining 04 reactors are filled with sludge. KRMPL had promised during NMCG team visit in July 2021 to clean 1 reactor each month but failed to comply.

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



## **VII. Belt Filter Press**

Out of 3 nos. of Belt Filter Press (BEP) system, 1<sup>st</sup> one is non-operational since 23.09.2021 and rest 2 nos. BFP are operational. Only 02 nos. trolleys are available at site. One no. spare trolley is also required. 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.

## **VIII. Chlorination System**

- 3nos. out of 20 nos. chlorine tonners are missing from the site after handover dated 08.07.2019.
- Chlorine dosing is not found proper as per the flow. In the month of Oct. 2021, 6055.3 kg of chlorine has been consume less than required.

## **IX. 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).

## **X. Joint Sampling and Testing by NABL Lab.**

- Testing report 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, 21.08.2021, 28.08.2021 and 17.09.2021 has not been submitted by concessionaire.
- KRMPL has started taking weekly samples from August 2021.
- Testing report from Spectra research Lab ventures (P) Ltd. of the Joint sample taken on 26.06.2021, 02.10.2021, 09.10.2021, 16.10.2021 & 23.10.2021 have been submitted by KRMPL (Reports are enclosed).

## **XI. Gas Holder**

- Out of 2 nos. gas holder installed, one gas holder is not in working condition since 23.09.2021.

## **XII. Gas Scrubber Unit**

- Scrubber is not working since 28.01.2020.

## **XIII. Housekeeping:-**

- Even after instructions by NMCG team on 08.07.2021 there is not any improvement in housekeeping and still in very bad condition.
- 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.

## **XIV. Schedule Maintenance Works for 1<sup>st</sup> & 2<sup>nd</sup> 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.
- 2<sup>nd</sup> 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 2<sup>nd</sup> 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.

#### **XV. KPIs Adherence Report**

- KPIs Adherence Report for the month of Oct.-2021 submitted by PE (based on NABL lab results for the month of Oct.-2021) vide STC letter no. 1279 dated 22.11.2021.

#### **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. 12.10.2021
  2. 27.10.2021
  3. 29.10.2021
- } inspection report issued on 31.10.2021.
4. 18.11.2021- Inspection report issued on 18.11.2021 for STP & IPS  
(inspection report enclosed)

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

5. 31.07.2021, 18.08.2021 & 21.09.2021- Inspection report issued on 04.08.2021, 27.08.2021 & 29.09.2021 respectively.

Compliance of the above inspection reports was submitted by KRMPL vide KRMPL letter no. 1807, 1814 & 1815 dated 18.10.2021 & 19.10.2021 (received on 20.10.2021) respectively, which was verified by STC and it was found that some of the items informed rectified by KRMPL, found not rectified. It shows that KRMPL submitting false and misleading compliance report.

Rectification of 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 2<sup>nd</sup> (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 Insurance Policies of year 3<sup>rd</sup> (i.e, Nov. 2021 to Nov. 2022).

## 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. Now KRMPL has started operating both the stream from 18.10.2021.

## v. Mechanical Screens (Coarse & Fine Screens)

Auto system of one mechanical coarse screen has been installed but not functioning properly. Auto system of 2<sup>nd</sup> no. mechanical coarse screen is not installed yet. Auto system of both fine mechanical screens is not functional.

## vi. Main pumping Station

Pressure gauges of 2<sup>nd</sup> no. pump was not available and rest pressure gauges needs to be changed.

**vii. Inlet Chamber**

- Level sensors are not provided yet for mechanical fine screen atomization.
- Out of 02 grit removal system, the ORP of one grit classifier are not working and Grit classifier no. 1 & 2 are not functioning properly.
- Parshall flume ultrasonic level sensor along with measuring scale had not been installed yet since handover dated 11.10.2019.

**viii. Return Sludge Pump House**

Return sludge pump no. 1 is non-operational since 03.03.2021 and the pressure gauge of pump no. 2 is not available and the pressure gauge of rest pumps needs to be changed.

**ix. Chlorination System**

3nos. out of 6 nos. chlorine tonner are missing from the site since 04.01.2020.

**x. Sludge Thickener**

Sludge thickener no. 2 is non operation since 03.03.2021.

**xi. Gas Generators**

All 3 nos. of Gas Generators are in working condition.

**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.

**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, 20.08.2021, 27.08.2021, 17.09.2021, 09.10.2021 & 23.10.2021 has not been received yet.

Testing reports from Spectra research Lab ventures (P) Ltd. of the Joint sample taken on 26.06.2021, 10.09.2021, 02.10.2021 & 16.10.2021 have been submitted by concessionaire (Reports are enclosed).

**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).

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**xvi. Submission of Schedule Maintenance Program**

KRMPL has not done any schedule maintenance works as per approved O&M manual for the first year. KRMPL has submitted the schedule maintenance program for the 2<sup>nd</sup> year vide letter no.1135 dated 06.04.2021. PE commented on schedule maintenance program -2<sup>nd</sup> year vide letter no.788 dated 12.04.2021. KRMPL has submitted compliance report on schedule maintenance program -2<sup>nd</sup> 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.

**xvii. KPIs Adherence Report**

KPIs Adherence Report for the month of Oct.-2021 has not been submitted by PE because KRMPL has not yet submitted NABL lab reports for Oct. 2021 of Sajari STP. Online analyzer report up to January month has been submitted by concessionaire.

## 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)	KRMPL submitted O&M Manual vide KRMPL letter no.1816 dated 18.10.2021. After review PE has given comments on O&M Manual vide PE letter no.1239 dated 01.11.2021.KRMPL is yet to resubmit O&M manual after incorporating comments given by PE.  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.				Handover Done

ii	42 MLD STP - Sajari	Approved	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. Now, both the streams had been started by KRMPL since 18.10.2021 without doing any schedule maintenance works. Housekeeping is not proper and needs improvement.	-
iii	210 MLD STP - Bingawan	Approved	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.  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.	-

## **ANNEXURE**



### ANNEXURE 1: Progress of Work – HAM Project Kanpur

Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day taken	Time as per contract (days)	Delay if any (No. of days) [7=6-5]	Reason for delay*	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concessionaire	Reason for delay	Step taken by PE to avoid such delays	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
01.11.2021	Absence of KRMPL Process Expert.	-	01.11.2021 S-1235	-	20	-	-	Dr. Giridhar Ajay Rahul Karamveer	1+1+1+1	-	-	-	Requested UPJN to direct KRMPL to take necessary action.
01.11.2021	Regarding Missing Chlorine Tonners from 210 MLD STP Bingawan and 42 MLD STP Sajari.	-	01.11.2021 S-1236	-	20	-	-	J.P.Tripathi Pankaj Rohit	1+1+1	-	-	-	Directed KRMPL to bring back the missing toners within 7 Days.
01.11.2021	Submission compliance report along with revised GA, datasheet, wiring diagram, BOM & QAP of LT panel for ICI Nalla IPS and Sundar Nagar IPS for 30 MLD STP Pankha.	26.10.21 K-1838	01.11.2021 S-1237	06	20	-	-	Dr. Giridhar Priyesh Satendra Karamveer	1+1+1+1	-	-	-	Requested UPJN to direct KRMPL to submit enclosures with letter in hard copy for early vetting.
01.11.2021	Comments on	25.10.21	01.11.2021	07	20	-	-	Dr. Giridhar	1+1+1+1+1+1	-	-	-	Directed KRMPL

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)
	compliance for GA, Technical datasheet & QAP of Valves (2 <sup>nd</sup> lot for IPS & I&D) for 30 MLD STP Pankha.	K-1832	1 S-1238					Priyesh Satendra Ajay Rahul Karamveer					to submit compliance report along revised documents ASAP.
01.11.2021	Renewal of Insurance policy for Sajari & Bingawan.	26.10.21 K-1850	01.11.2021 S-1239	06	20	-	-	J.P.Tripathi Pankaj Rohit	1+1+1	-	-	-	Request UPJN to instruct KRMPL to enhancement in the industry all risk policy.
01.11.2021	Micro Schedule for work completion till 15.12.2021-15 MLD STP at Unnao.	30.10.21 K-1870	01.11.2021 S-1240	02	20	-	-	Dr. Giridhar Priyesh Karamveer	1+1+1	-	-	-	Request UPJN for necessary action.
01.11.2021	Regarding approval of pending drawing & documents/ clearance for 130 MLD Jajmau	26.10.21 K-1842	01.11.2021 S-1240A	06	20	-	-	Dr. Giridhar Prasoon Ajay Rahul	1+1+1+1	-	-	-	Request UPJN to direct KRMPL to stop misleading UPJN and NMCG in this Matter.

Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day taken	Time as per contract (days)	Delay if any (No. of days) [7=6-5]	Reason for delay*	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concessionaire	Reason for delay	Step taken by PE to avoid such delays	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	facilities.												
01.11.2021	Estimate for site clearance for renovation work of 130 MLD Jajmau STP.	-	01.11.2021 S-1241	-	20	-	-	Dr. Giridhar Ajay Rahul	1+1+1	-	-	-	Request UPJN for necessary action.
01.11.2021	Recommendation for Approval of GA, Technical datasheet & QAP of various Electrical hoists for 30 MLD STP Pankha.	J-2112/w-3/171	01.11.2021 S-1242	-	20	-	-	Dr. Giridhar Priyesh Satendra Rahul	1+1+1+1	-	-	-	Vetted and recommended for Approval.
01.11.2021	Requirements of Chlorine storage, usage and handling license – Non compliance of CA Clause 8.4(vii) – Reg.	-	01.11.2021 S-1243	-	20	-	-	Dr. Giridhar L.K.Rao Pankaj Rohit Ajay Rahul	1+1+1+1+1+1	-	-	-	Request UPJN to Instruct KRMPL to do needful immediacy.
01.11.2021	Regarding status of completion of 15 day's balance work	-	01.11.2021 S-1244	-	20	-	-	Dr. Giridhar Priyesh Satendra	1+1+1	-	-	-	Request UPJN for 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)
	for 30 MLD STP at Pankha from 16.10.2021 to 31.10.2021.												
01.11.2021	Regarding status of completion of 15 day's balance work for 15 MLD STP at Unnao from 16.10.2021 to 31.10.2021 & target till 15.11.2021.	-	01.11.2021 S-1245	-	20	-	-	Dr. Giridhar Priyesh Satendra Karamveer	1+1+1+1	-	-	-	Request UPJN for necessary action.
02.11.2021	Laboratory Analyses and Reporting of KRMPL.	-	02.11.2021 S-1246	-	20	-	-	J.P.Tripathi Satish Pankaj Rohit	1+1+1+1	-	-	-	Request UPJN for necessary action.
02.11.2021	Comments on Bingawan AMP year 02 post COD	K-1782	02.11.2021 S-1247	-	20	-	-	Dr. Giridhar J.P.Tripathi L.K.Rao Priyesh Satendra Rohit Ajay Rahul Karamveer	1+1+1+1+1+1+1+1+1	-	-	-	PE submit comments.
03.11.2021	Narak Chaturdasi (Holiday)												

Page 141 of 166

Page 142 of 166

Page 143 of 166

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)
	system & ancillary equipments at 15 MLD Unnao & 05 MLD Shuklaganj.							Karamveer					
12.11.2021	Observation on Monthly activity report of 130 MLD Jajmau Facilities for the month of September-2021.	23.10.21 K-1817	12.11.2021 S-1258	20	20	-	-	J.P.Tripathi L.K.Rao Ajay Rahul Pankaj Rohit	1+1+1+1+1	-	-	-	Directed KRMPL to resubmit the monthly performance report for September 2021 incorporating the said points.
12.11.2021	Regarding ZERO Manpower and NO progress at 15 MLD STP at Unnao	-	12.11.2021 S-1259	-	20	-	-	Dr. Giridhar Priyesh Satendra Karamveer	1+1+1+1	-	-	-	Inform UPJN for necessary action.
12.11.2021	Regarding completion of 5 <sup>th</sup> milestone of 15 MLD Unnao STP.	06.11.21 K-1892	12.11.2021 S-1260	06	20	-	-	Dr. Giridhar Priyesh Satendra Karamveer	1+1+1+1	-	-	-	Inform UPJN for necessary action.
13.11.2021	Second Saturday												
14.11.2021	Sunday												
15.11.2021	Comments on	11.11.21	-	-	20	-	-	Dr. Giridhar	1+1+1+1+1+1+	-	-	-	Under Review.



Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day taken	Time as per contract (days)	Delay if any (No. of days) [7=6-5]	Reason for delay*	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concessionaire	Reason for delay	Step taken by PE to avoid such delays	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	installation of TEPH, RSPH pumps & Aerators at 130 MLD STP Jajmau Phase-1.	K-1904						J.P.Tripathi Sunil A.K.Seth Priyesh Satendra Pankaj Rohit Ajay Rahul Karamveer	1+1+1+1				
16.11.2021	Inspection report of Pankha 30 MLD STP facilities.	-	16.11.2021 S-1261	-	20	-	-	Dr. Giridhar A.K.Seth Priyesh Satendra Karamveer	1+1+1+1+1	-	-	-	Inspection report Submitted by PE.
16.11.2021	Comments on installation of TEPH, RSPH pumps & Aerators at 130 MLD STP Jajmau Phase-1.	11.11.21 K-1904	16.11.2021 S-1263	05	20	-	-	J.P.Tripathi A.K.Seth Pankaj Rohit Ajay Rahul	1+1+1+1+1+1	-	-	-	PE submitted our comments.
16.11.2021	Recommendation for Approval of GA, Technical datasheet & QAP of Electrical Hoist for Blower	11.11.21 J-878/NG/05	16.11.2021 S-1264	05	20	-	-	Dr. Giridhar A.K.Seth Priyesh Satendra Ajay Rahul Karamveer	1+1+1+1+1+1+1	-	-	-	Vetted and recommended for Approval.

Date	Name of Activity#	Date of Receipt	Date of Approval (Vet/ Comment)	No. of day taken	Time as per contract (days)	Delay if any (No. of days) [7=6-5]	Reason for delay*	Key Personnel deployed	Man-days of each Key Personnel	Delay by Concessionaire	Reason for delay	Step taken by PE to avoid such delays	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Room at 15 MLD STP Unnao & 05 MLD Shuklaganj.												
16.11.2021	Recommendation for Approval of GA, Technical datasheet & QAP of Blending Tank agitator at 130 MLD STP Jajmau Phase-1.	16.11.21 J- 2581/w-3/234	16.11.2021 S-1265	00	20	-	-	Dr. Giridhar J.P.Tripathi Pankaj Rohit Ajay Rahul	1+1+1+1+1+1	-	-	-	Vetted and recommended for Approval.
17.11.2021	Acceptance of compliance for Chlorination system & ancillary equipments at 30 MLD STP Pankha.	17.11.21 K-1924	17.11.2021 S-1267	00	20	-	-	Dr. Giridhar A.K.Seth Priyesh Satendra Ajay Rahul Karamveer	1+1+1+1+1+1+1	-	-	-	Recommended for Approval.
17.11.2021	Acceptance of compliance for Chlorination system &	30.10.21 J-2540/w-21/264	17.11.2021 S-1268	18	20	-	-	J.P.Tripathi Pankaj Rohit Ajay Rahul	1+1+1+1+1+1	-	-	-	Recommended for Approval.

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	ancillary equipments at 130 MLD STP Jajmau Phase-1.							Anuj					
18.11.2021	Comments on Scheduled Maintenance plan for 43 MLD STP Jajmau Phase II.	12.11.21 K-1909	18.11.2021 S-1262	06	20	-	-	Dr. Giridhar Ajay Rahul	1+1+1	-	-	-	Request to UPJN to direct KRMPL to submit the supporting document, including Single line Diagram.
18.11.2021	Submission of Bedding and Manhole document for Shuklaganj STP.	16.11.21K-1735	18.11.2021 S-1269	02	20	-	-	Dr. Giridhar Priyesh Satendra Karamveer Anuj	1+1+1+1+1	-	-	-	Vetted and sent for further necessary action.
18.11.2021	Observation on Monthly activity report of 130 MLD Jajmau Facilities for the month of October-2021.	13.11.21 K-1915	18.11.2021 S-1270	05	20	-	-	J.P.Tripathi Pankaj Rohit Ajay Rahul	1+1+1+1+1	-	-	-	Directed KRMPL to resubmit the monthly performance report for October 2021 incorporating the said points.
18.11.2021	Observation on Monthly	12.11.21 K-1910	18.11.2021 S-1271	06	20	-	-	Dr. Giridhar Pankaj	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)
	activity report of 43 MLD Jajmau Phase II for the month of October-2021.							Rohit Ajay Rahul					monthly performance report for October 2021 incorporating the said points.
18.11.2021	Comments on Manpower qualification & experience for plants under O&M	16.11.21 K-1920	18.11.2021 S-1272	02	20	-	-	Dr. Giridhar J.P.Tripathi Pankaj Rohit Ajay Rahul	1+1+1+1+1+1	-	-	-	Request UPJN to instruct KRMPL to deploy technically qualified and experience staff for O&M and submit their credentials for approval before deployment.
19.11.2021	Submission of design drawing for Sludge storage platform at 30 MLD STP Pankha	18.11.21 K-1928	-	-	20	-	-	Dr. Giridhar J.P.Tripathi A.K.Seth Priyesh Satendra Pankaj Rohit Ajay Rahul Anuj Karamveer	1+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)
20.11.2021	Meeting Schedule with Process, Mechanical and Instrumentation experts of KRMPL and STC.	-	20.11.2021 S-1273	-	20	-	-	Dr. Giridhar A.K.Seth Priyesh Satendra Ajay Rahul Anuj Karamveer	1+1+1+1+1+1+1	-	-	-	Instruct KRMPL to deploy your experts as requested to facilities the meeting as requested.
20.11.2021	Inspection report of associated works of 42 MLD Sajari STP (IPS Chakeri and Sanigawan) for the inspection done on 18.11.2021.	09.11.21 K-1894	20.11.2021 S-1274	11	20	-	-	J.P.Tripathi Pankaj Rohit	1+1+1	-	-	-	Inspection report Submitted by PE.
20.11.2021	KRMPL Lab reports are not matching with NABL accredited SPECTRO Lab reports.	13.11.21 K-1914	20.11.2021 S-1275	07	20	-	-	Dr. Giridhar Pankaj Rohit	1+1+1	-	-	-	Comparison of KRMPL Lab report and SPECTRO Lab report submit by PE.
21.11.2021	Sunday												
22.11.2021	Comments on	K-1807 &	22.11.202	-	20	-	-	J.P.Tripathi	1+1+1+1+1	-	-	-	Comments on

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	KRMPL compliance to inspection carried out by PE on 31.07.2021, 18.08.2021 & 21.09.2021 at Sajari STP.	1814 & 1815	1 S-1276					Satish Pankaj Rohit Anuj					KRMPL compliance Submit by PE.
22.11.2021	KPI adherence report for the month of September 2021 for Bingawan facilities.	K-1847	22.11.2021 S-1277	-	20	-	-	Dr. Giridhar A.K.Seth Pankaj Rohit	1+1+1+1	-	-	-	Request UPJN to instruct KRMPL to do not raise this type of matters again.
22.11.2021	Inspection Report of 30 MLD Pankha STP, inspection done on 19/11/2021.	-	22.11.2021 S-1278	-	20	-	-	Dr. Giridhar A.K.Seth Priyesh Satendra Karamveer	1+1+1+1+1	-	-	-	Inspection report Submitted by PE.
22.11.2021	KPI adherence report of 210 MLD Bingawan STP for the month of October 2021.	18.11.21 K-1914	22.11.2021 S-1279	04	20	-	-	J.P.Tripathi Pankaj Rohit Ajay Rahul	1+1+1+1+1	-	-	-	KPI adherence report has been prepared and submitted for the month of October-2021.

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
23.11.2021	Finishing activity schedule for Unnao & Shuklaganj.	11.11.21 K-1950	23.11.2021 S-1280	12	20	-	-	Dr. Giridhar A.K.Seth Priyesh Satendra Karamveer	1+1+1+1+1	-	-	-	Request UPJN to asked KRMPL to submit compliance of observation for early vetting.
23.11.2021	Critical Issues and status of the project.	-	23.11.2021 S-1281	-	20	-	-	Dr. Giridhar J.P.Tripathi Satish Pankaj Rohit Ajay Rahul Anuj	1+1+1+1+1+1+1	-	-	-	Critical issues Submitted by PE to APD SMCG.
24.11.2021	Inspection of Civil rectification of RSPH foundation 01 for 130 MLD STP Jajmau.	23.11.21 K-RFI	24.11.2021 S-1281A	01	20	-	-	Dr. Giridhar Satish Ajay Rahul Anuj	1+1+1+1+1	-	-	-	Inspection report submit by PE.
24.11.2021	Finishing activity schedule for Pankha.	11.11.21 K-1950	24.11.2021 S-1282	13	20	-	-	J.P.Tripathi A.K.Seth Priyesh Satendra Pankaj Rohit Karamveer	1+1+1+1+1+1+1	-	-	-	Request UPJN to asked KRMPL to submit compliance of observation for early vetting.
25.11.2021	Submission of various electrical	17.11.21 K-1923	-	-	20	-	-	Dr. Giridhar J.P.Tripathi Satish A.K.Seth	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)
	Documents for Sundar Nagar IPS.							Priyesh Satendra Pankaj Rohit Ajay Rahul Anuj Karamveer					
26.11.2021	Submission of various electrical Documents for Sundar Nagar IPS.	17.11.21 K-1923	26.11.2021 S-1283	09	20	-	-	A.K.Seth Priyesh Satendra Rahul	1+1+1+1	-	-	-	Recommended for approval with conditions.
26.11.2021	Submission of GA, Datasheet, Wiring Diagram, BOM & QAP of LT Panel for ICI Nalla IPS and Sundar Nagar IPS for 30 MLD Pankha.	K-1838	26.11.2021 S-1284	-	20	-	-	Dr. Giridhar A.K.Seth Priyesh Satendra Rahul Anuj Karamveer	1+1+1+1+1+1+1	-	-	-	Recommended for approval with conditions.
26.11.2021	Regarding compliance for LT Panel & LPBS for 130 MLD Jajmau STP.	20.11.21 K-1935	26.11.2021 S-1285	06	20	-	-	J.P.Tripathi A.K.Seth Pankaj Rohit Ajay Rahul	1+1+1+1+1+1	-	-	-	Request UPJN to direct KRMPL to early response so than final recommendatio



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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
													n of LT panel be made.
26.11.2021	Recommendation for Approval of GA, Technical datasheet, & QAP for Centrifugal pump (Vertical installation) for CSPA pumps under 130 MLD Jajmau STP.	23.11.21 K-1953	26.11.2021 S-1286	03	20	-	-	Dr. Giridhar J.P.Tripathi A.K.Seth Pankaj Rohit Ajay Rahul Anuj	1+1+1+1+1+1+1+1	-	-	-	Vetted and recommended for Approval.
26.11.2021	Installation Check on Aerators (6Nos.) as part of “Completion of Erection” at 130 MLD Jajmau Phase-1.	22.11.21 K-RFI	26.11.2021 S-1287	04	20	-	-	Dr. Giridhar Satish Pankaj Rohit Ajay Rahul	1+1+1+1+1+1	-	-	-	Submitted comments by PE.

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
26.11.2021	Recommendation for Approval of GA, Technical datasheet & QAP for pumps related to IPS Nawabganj PH no. 2, Parmat PH no. 1&2, Baba ghat under 130 MLD Jajmau STP.	23.11.21K-1953	26.11.2021 S-1288	03	20	-	-	Dr. Giridhar J.P.Tripathi Satendra Ajay Rahul Anuj	1+1+1+1+1	-	-	-	Vetted and recommended for Approval.
26.11.2021	Inspection report of 130 MLD Jajmau Facilities IPS, inspection done on 23/11/2021	-	26.11.2021 S-1288A	-	20	-	-	J.P.Tripathi Ajay Rahul Anuj	1+1+1+1	-	-	-	Inspection report Submitted by PE.
27.11.2021	Inspection of UASB Reactor no. 9.	23.11.21K-RFI	27.11.2021 S-1289	04	20	-	-	Dr. Giridhar Satish Pankaj Rohit Karamveer	1+1+1+1+1	-	-	-	Inspection report Submitted by PE.
27.11.2021	1 <sup>st</sup> Milestone completion certificate for	26.11.21K-1966	27.11.2021 S-1289A	01	20	-	-	Dr. Giridhar Ajay Rahul	1+1+1+1	-	-	-	Clearance for 1 <sup>st</sup> Milestone issue by PE.

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	130 MLD Jajmau (Phase- 1) STP.							Anuj					
27.11.2021	Inspection Report of 42 MLD Sajari Facilities, inspection done on 18/11/2021.	-	27.11.2021 S-1290	-	20	-	-	J.P.Tripathi A.K.Seth Priyesh Satendra Pankaj Rohit	1+1+1+1+1+1	-	-	-	Inspection report Submitted by PE.
28.11.2021	Sunday												
29.11.2021	Inspection report of associated works of 210 MLD Bingawan STP (IPS Rakhimandi, Munsipurwa and Halwakhanda) for the inspection done on 24.11.2021.	-	29.11.2021 S-1291	-	20	-	-	Dr. Giridhar J.P.Tripathi Prasoon Sunil Satish Priyesh Satendra Pankaj Rohit Ajay Rahul Anuj	1+1+1+1+1+1+1+1+1+1+1+1	-	-	-	Inspection report Submitted by PE.
29.11.2021	Inspection Report of 210 MLD Bingawan	-	29.11.2021 S-1292	-	20	-	-	Dr. Giridhar J.P.Tripathi Prasoon Satish	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)
	Facilities, inspection done on 26/11/2021.							Sunil Pankaj Rohit Karamveer					
30.11.2021	Observation on Monthly activity report of 42 MLD Sajari facilities for the month of October-2021.	15.11.21 K-1900	30.11.2021 S-1294	15	20	-	-	Dr. Giridhar Pankaj Rohit	1+1+1	-	-	-	Directed KRMPL to resubmit the monthly performance report for October 2021 incorporating the said points.
30.11.2021	Observation on Monthly activity report of 210 MLD Bingawan facilities for the month of October-2021.	16.11.21 K-1911	30.11.2021 S-1295	14	20	-	-	J.P.Tripathi Pankaj Rohit	1+1+1	-	-	-	Directed KRMPL to resubmit the monthly performance report for October 2021 incorporating the said points.
30.11.2021	Meeting and inspection for 15 MLD STP and I&D Structure at Unnao.	-	30.11.2021 S-1296	-	20	-	-	Dr. Giridhar Prasoon Priyesh Satendra Karamveer	1+1+1+1+1	-	-	-	Inform UPJN for necessary action.
30.11.2021	Submit NABL lab pending reports for Jajmau,	-	30.11.2021 S-1297	-	20	-	-	Dr. Giridhar J.P.Tripathi Pankaj Rohit	1+1+1+1+1+1	-	-	-	Request UPJN to instruct KRMPL to submit reports

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Bingawan & Sajari facilities.							Ajay Rahul					at the earliest.
30.11.2021	Inspection Report of 43 MLD Jajmau Phase-II facilities, inspection done on 27.11.2021.	-	30.11.2021 S-1297A	-	20	-	-	J.P.Tripathi Ajay Rahul Anuj	1+1+1+1	-	-	-	Inspection report Submitted by PE.
30.11.2021	Inspection Report of 130 MLD STP Jajmau Facilities, Inspection done on 23/11/2021, 27/11/2021 and 29/11/2021.	-	30.11.2021 S-1297B	-	20	-	-	Dr. Giridhar Sunil Satish Ajay Rahul Anuj	1+1+1+1+1+1	-	-	-	Inspection report Submitted by PE.

**Note:** Man-days and respective inputs of experts for the month of November 2021 are:

SN	Name	Designation	Total Man-days	Input
1.	Dr. Giri Prabhu Kumar	Team Leader cum waste water expert	30	Timesheet attached
2.	Mr. Jai Prakash Tripathi	O&M Engineer	30	Timesheet attached
3.	Mr. Anil Kumar Seth	Senior Electrical Engineer	18	Timesheet attached
4.	Mr. Satish kamaraju PE	Senior Process Engineer	10	Timesheet attached
5.	Mr. Sunil Basutkar	Senior Mechanical Engineer	04	Timesheet attached
6.	Mr. Prasoon Bhardwaj	Instrumentation Engineer	06	Timesheet attached
7.	Mr. Linga Krishna Rao	Safety expert	12	Timesheet attached

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## **Annexure 2: Timesheets of Experts**

(Attached Separately)

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### **Annexure 3: Monthly Performance Report of Bingawan**

(Attached Separately)



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## **Annexure 4: Bingawan Site Inspection Reports**

(Attached Separately)

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## **Annexure 5: Monthly Performance Report – Sajari**

(Attached Separately)

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## **Annexure 6: Sajari Inspection Reports**

(Attached Separately)

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## **Annexure 7: Pankha Inspection Report**

(Attached Separately)

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## **Annexure 8: Unnao Inspection Report**

(Attached Separately)

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## **Annexure 9: Shuklaganj Inspection Report**

(Attached Separately)