

**National Mission for Clean Ganga (NMCG)**  
**Ministry of Jal Shakti,**  
**River Development & Ganga Rejuvenation**  
**Government of India**

**Development and Rehabilitation of Sewage Treatment  
Plants and Associated Infrastructure Under Hybrid  
Annuity Based PPP Mode at Prayagraj, Uttar Pradesh**

**(LOA File Number: 50123/447/121, dated 10/11/2018)**

**Monthly Progress Report**  
**of**  
**Project Engineer**  
**NOVEMBER 2019**



**Executing Agency**

GPCU, Uttar Pradesh Jal  
Nigam, Prayagraj, Uttar  
Pradesh  
211008



**Funding Agency**

National Mission for Clean  
Ganga, Ministry of Water  
Resources, New Delhi 110002



**Project Engineer**

AECOM India Pvt. Ltd.,  
19/F, Bldg. 5-C, DLF Cyber  
City, DLF Phase-III, Gurgaon,  
Haryana-122002



**Concessionaire**

Prayagraj Water Pvt. Ltd.,  
(SPV of ADANI Enterprise Ltd.  
and Organica Technologiaks ZRT)  
Adani House, 56 Shri Mall,  
Society, Navrangpura,  
Ahmedabad.

## Table of Contents

1. Introduction.....	2
2. Hybrid Annuity Model (HAM).....	2
3. Objectives .....	3
4. Project at Glance .....	5
5. Project Components .....	6
6. Progress of Work .....	9
6.1 Physical Progress of the Project.....	9
6.2 Achievement of Construction Milestone .....	13
6.3 Meetings, Discussions and Site Visits: .....	14
6.4 Activity wise monthly Progress: .....	14
7. Staff deployment.....	15
8. Photos of Meetings / Site Visits and Activities.....	16
9. Outward Register .....	21
10. Inward Register.....	24
11. EHS targets, Achievement & compliance report for the month of November' 2019 .....	27
11.1 Health & Safety target & goals .....	27
11.2 Monthly HSE Report covering month for the November -2019.....	27
12. Status of statutory permits: .....	28

## **1. Introduction**

The GoI (Government of India), recognizing that the long-term rejuvenation of the river Ganga will have significant social and economic benefits on the lives of 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 Government of India approved the flagship Namami Gange Program for cleaning rejuvenation and protection of river Ganga and its tributaries. In January-2016, The Government of India approved a Hybrid annuity model to implement the STP project under the Namami Gange program on a PPP basis. Subsequently, the MoWR (Ministry of Water Resources) issued the river Ganga (Rejuvenation, Protection and Management) Authorities Order, 2016 (Ganga 2016 Order) to constitute various authorities to assist the Government of India in achieving its aim of effective abatement of pollution in the river Ganga. The Ganga 2016 order designated NMCG as the nodal agency for implementation of the Ganga 2016 order.

Rapidly increasing population, rising standards of living and exponential growth of industrialisation and urbanisation have exposed water resources, in general, and rivers 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.

In the Ganga basin approximately 12,000 million litres per day (MLD) sewage is generated, for which presently there is a treatment capacity of only around 4,000 MLD. Approximately 3000 MLD of sewage is discharged into the mainstream of the river Ganga from the Class I & II towns located along the banks, against which treatment capacity of about 1000 MLD has been created till date.

The Uttar Pradesh Jal Nigam (Jal Nigam) is a statutory body constituted under the Uttar Pradesh Water Supply and Sewerage Act, 1975, and has the power to develop, maintain and regulate water supply and sewerage works in Uttar Pradesh. With a view to implement the Namami Gange programme and the Ganga 2016 Order, the Jal Nigam, in association with the NMCG, has decided to undertake the Project;

- Development and Rehabilitation of Sewage Treatment Plants (STPs) and Associated Infrastructure at Prayagraj under Hybrid Annuity based PPP mode in State of Uttar Pradesh.

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).

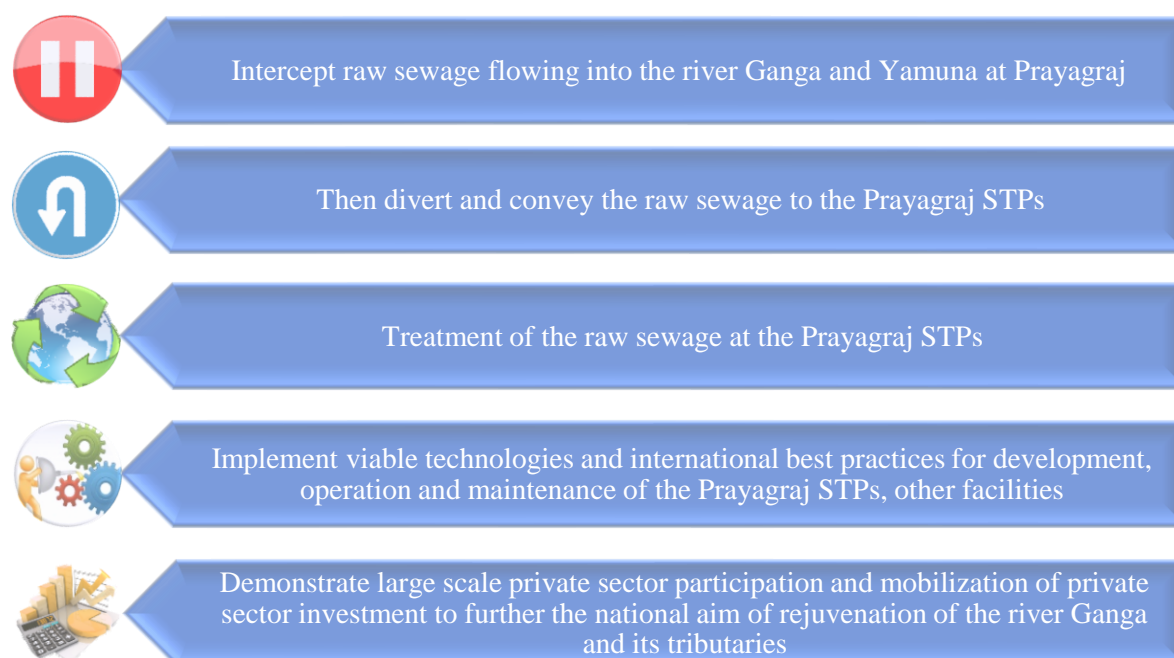
Considering various development models in practice for the construction, operation and maintenance of Sewage Treatment Plants, Government of India has approved the Hybrid Annuity based Public Private Partnership (PPP) mode as one of the options for the development & operation of STPs. Under this model, 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.

National Mission for Clean Ganga (NMCG) and Uttar Pradesh Jal Nigam (UPJN) appointed M/s. AECOM India Pvt. Ltd., as Project Engineer for this project through tendering process. Letter of Award is issued dated 4th February 2019 and agreement signed between the parties on 5<sup>th</sup> April 2019.

### 3. Objectives

Objectives to achieve effective Development of Sewage Treatment Plants (STPs) at Jhunsi, Naini and Phaphamau, rehabilitation of existing STPs & associated Infrastructure and operation and maintenance of all assets for 15 years in Prayagraj, Uttar Pradesh, under Hybrid Annuity based PPP mode are proposed under this project.

The objectives that NMCG and the UP Jal Nigam wish to achieve through the Project is mentioned in **Figure 1**;



**Figure 1 : Objectives of NMCG and UP JAL NIGAM**

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 and Associate Infrastructure) to the Project Executing Agency/Jal Nigam/ at the end of the Concession Period (say 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.

National Mission for Clean Ganga (NMCG) appointed M/s. AECOM India Pvt. Ltd., Gurgaon 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 5<sup>th</sup> April 2019.

#### 4. Project at Glance

The Project components details of each Facility, their grouping in each Package is presented below;

Sr. No.	Particulars	Description
1.0	Name of Project	<b>Development and Rehabilitation of Sewage Treatment Plants and Associated Infrastructure under HAM based PPP mode at Prayagraj, Uttar Pradesh</b>
	Client	National Mission for Clean Ganga (NMCG) and Uttar Pradesh Jal Nigam (UPJN)
2.0	Executing Agency	Uttar Pradesh Jal Nigam, Ganga Pollution Control Unit, Prayagraj, Uttar Pradesh
3.0	Project Engineer	AECOM India Pvt. Ltd.
4.0	Concessionaire	Prayagraj Water Pvt. Ltd. (SPV of ADANI Enterprise Ltd. JV Organica Technologiak ZRT)
5.0	Contract Value (Capex + Opex)	INR 908.3 Crore
6.0	Effective Date	16 <sup>th</sup> September 2019
7.0	Construction Completion Date	Package-I; 24 months from effective date Package-II; 12 months from effective date Package-III; 6 months from effective date
6.0	Operation & Maintenance	Package-I; 15 years from commercial operation date Package-II; 16 years from commercial operation date Package-III; 16.5 years from commercial operation date

## 5. Project Components

The Project components details of each Facility, their grouping in each Package is presented below

Package Number - I				
Nature of work		Facilities		
New construction		Design, develop, finance, construct, operate and maintain, and transfer the Package-I Facilities including three STP facilities with a proposed capacity of 42 MLD at Naini (District G), 14 MLD at Phaphamau (District F), and 16 MLD at Jhunsi along with their Associated Infrastructure, as per the provisions of the Concession Agreement, and in adherence to the applicable Key Performance Indicators		
Sr. No.	Facility Name	Part Of	Details	Capacity (Average)
1	Phaphamau Facilities (District -F)	Phaphamau STP Facilities	Phaphamau STP Plant	14 MLD
			Solar Power Plant	110 Kw
		Phaphamau Associated Infrastructure	Basna Nalla SPS	5.53 MLD
			Nalla Tapping and Trunk Sewer	2 Nos. Tapping
			Shantipuram Main Pumping Station	14 MLD
2	Naini Facilities (District - G)	Naini – II STP Facilities	Naini –II STP	42 MLD
			Solar Power Plant	800 Kw
		Naini -II Associated Infrastructure	Mawaiya Drain SPS	35.85 MLD
			Mawaiya Drain Tapping and Trunk Sewer	3 Nos. Tapping
			Mahewaghat Drain SPS	2.15 MLD
			Mahewaghat Drain and Trunk Sewer	3 Nos. Of Tapping
3	Jhunsi Facilities	Jhunsi STP Facilities	Jhunsi STP	16 MLD
			Solar Power Plant	20 Kw
		Jhunsi Associated Infrastructure	Shastri Bridge SPS	16 MLD
			Nalla Tapping and Trunk Sewer	13 Nos. Tapping
			Main Pumping Station	16 MLD

Package Number - II				
Nature of work		Facilities		
<b>Rehabilitation</b>		Design (wherever necessary), rehabilitate, restore, finance, operate and transfer two existing STP Facilities, one of capacity 80 MLD at Naini (District A) and other of capacity 60 MLD at Rajapur (District D) along with their Associated Infrastructure as per the provisions of the Concession Agreement, and in adherence to the applicable Key Performance Indicators.		
Sr. No.	Facility Name	Part Of	Details	Capacity (Average)
1	Naini -I Facilities (District A)	Naini-I STP Facilities	Naini -I STP (60 MLD) STP Technology: ASP	60 MLD
			Naini -I STP (20 MLD) STP Technology: ASP	20 MLD
			Naini- I Biogas Plant	600 KW
		Naini-I Associated Infrastructure	Chachar Nalla SPS	35 MLD with 2 Nos. Tapping
			Gaughat MPS	80 MLD
2	Rajapur Facilities (District D)	Rajapur STP Facilities	Rajapur STP STP Technology: UASB	60 MLD
		Rajapur Associated Infrastructure	Mumfordgunj SPS	55 MLD with 1 Nos. Tapping
			Rajapur SPS	25 MLD with 1 Nos. Tapping



Package Number - III				
Nature of work		Facilities		
<b>Rehabilitation</b>		Design (wherever necessary), rehabilitate, restore, finance, operate and transfer four existing STP Facilities, one of capacity 50 MLD at Numayadahi (District B), one of capacity 29 MLD at Salori (District C), one of capacity 25 MLD at Kodra (District E) and another of capacity 10 MLD at Ponghat (District E), along with their Associated Infrastructure, as per the provisions of the Concession Agreement, and in adherence to the applicable Key Performance Indicators.		
Sr. No.	Facility Name	Part Of	Details	Capacity (Average)
1	Salori Facilities (District - C)	Salori STP Facilities	Salori STP (29 MLD) STP Technology: FAB	29 MLD
		Salori Associated Infrastructure	Salori MPS	29 MLD with 1 Nos. Tapping
2	Numayadahi Facilities (District B)	Numayadahi STP Facilities	Numayadahi STP STP Technology: Bio tower + ASP	50 MLD
		Numayadahi Associated Infrastructure	Ghaggar Nalla SPS	50 MLD with 1 Nos. Tapping
			Sasur Kadheri SPS	15 MLD with 1 Nos. Tapping
			Lukarganj SPS	16.5 MLD with 1 Nos. Tapping
3	Kodra Facilities (District E)	Kodra STP Facilities	Kodra STP STP Technology: Bio tower + ASP	25 MLD
		Kodra Associated Infrastructure	Kodra MPS	25 MLD with 1 Nos. Tapping
4	Ponghat Facilities (District E)	Ponghat STP Facilities	Ponghat STP STP Technology: Bio tower + ASP	10 MLD
		Ponghat Associated Infrastructure	Ponghat MPS	10 MLD with 1 Nos. Tapping

## 6. Progress of Work

As per the provision of Concessionaire Agreement, effective date of the project was to be declared on or before 11<sup>th</sup> May 2019. Condition Precedent were not met and mutually agreed on 16<sup>th</sup> September 2019, hence “Effective Date” for start of construction work was declared on this date.

Details of pre-construction activities / work progress are described as below;

### 6.1 Physical Progress of the Project

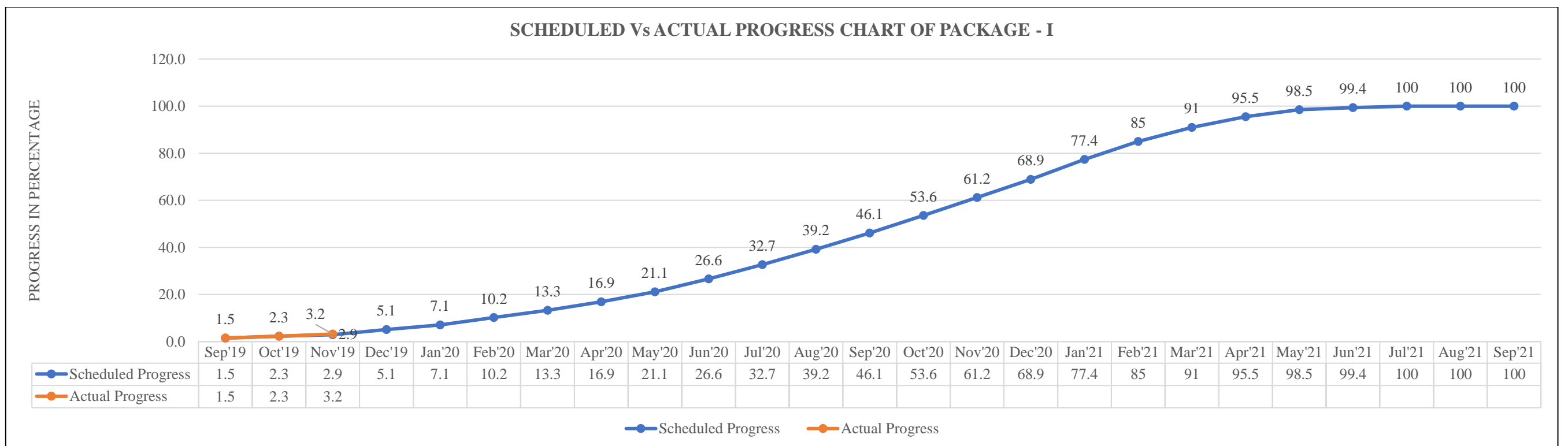
Overall Progress of the project and individually package wise progress are as follows;

#### MONTHLY PROGRESS CHART OF PACKAGE – I

<b>Name of work</b>	Design, develop, finance, construct, operate and maintain, and transfer the Package-I Facilities including three STP facilities with a proposed capacity of 42 MLD at Naini (District G), 14 MLD at Phaphamau (District F), and 16 MLD at Jhunsi along with their Associated Infrastructure, as per the provisions of the Concession Agreement.
<b>Effective start date of construction</b>	16 <sup>th</sup> September 2019
<b>Scheduled completion date of construction</b>	15th September 2021

#### Schedule Vs Actual Physical Progress (Cumulative)

Activity	Sep, 19	Oct' 19	Nov' 19	Dec' 19	Jan' 20	Feb' 20	Mar' 20	Apr' 20	May' 20	Jun' 20	Jul' 20	Aug' 20	Sep' 20	Oct' 20	Nov' 20	Dec' 20	Jan' 21	Feb' 21	Mar' 21	Apr' 21	May' 21	Jun' 21	Jul, 21	Aug, 21	Sep, 21
<b>Scheduled Physical Progress (%)</b>	1.5	2.3	2.9	5.1	7.1	10.2	13.3	16.9	21.1	26.6	32.7	39.2	46.1	53.6	61.2	68.9	77.4	85	91	95.5	98.5	99.4	100	100	100
<b>Actual Physical Progress (%)</b>	1.5	2.3	3.2																						

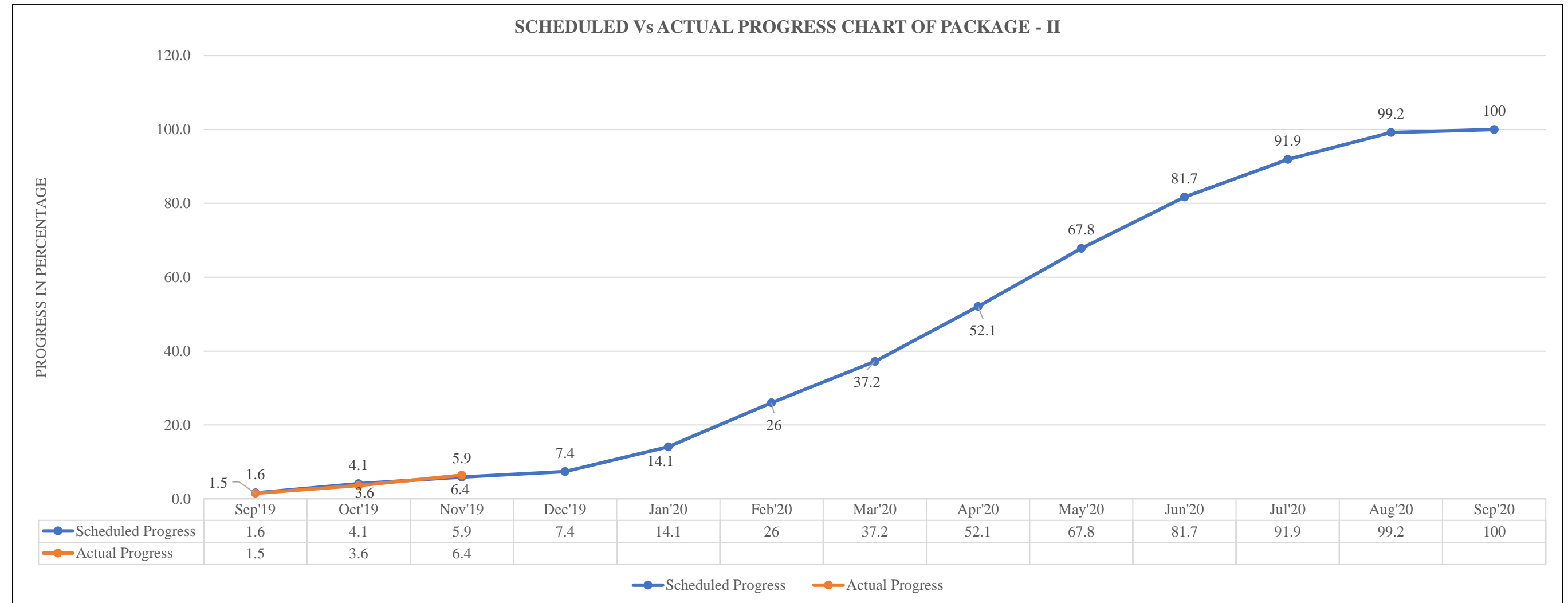


### MONTHLY PROGRESS CHART OF PACKAGE – II

<b>Name of work</b>	Design (wherever necessary), rehabilitate, restore, finance, operate and transfer two existing STP Facilities, one of capacity 80 MLD at Naini (District A) and other of capacity 60 MLD at Rajapur (District D) along with their Associated Infrastructure as per the provisions of the Concession Agreement, and in adherence to the applicable Key Performance Indicators.
<b>Effective start date of construction</b>	16 <sup>th</sup> September 2019
<b>Scheduled completion date of construction</b>	15 <sup>th</sup> September 2020

#### Schedule Vs Actual Physical Progress (Cumulative)

Activity	Sep, 19	Oct' 19	Nov' 19	Dec' 19	Jan' 20	Feb' 20	Mar' 20	Apr' 20	May' 20	Jun' 20	Jul' 20	Aug' 20	Sep' 20
<b>Scheduled Physical Progress (%)</b>	1.6	4.1	5.9	7.4	14.1	26	37.2	52.1	67.8	81.7	91.9	99.2	100
<b>Actual Physical Progress (%)</b>	1.5	3.6	6.4										

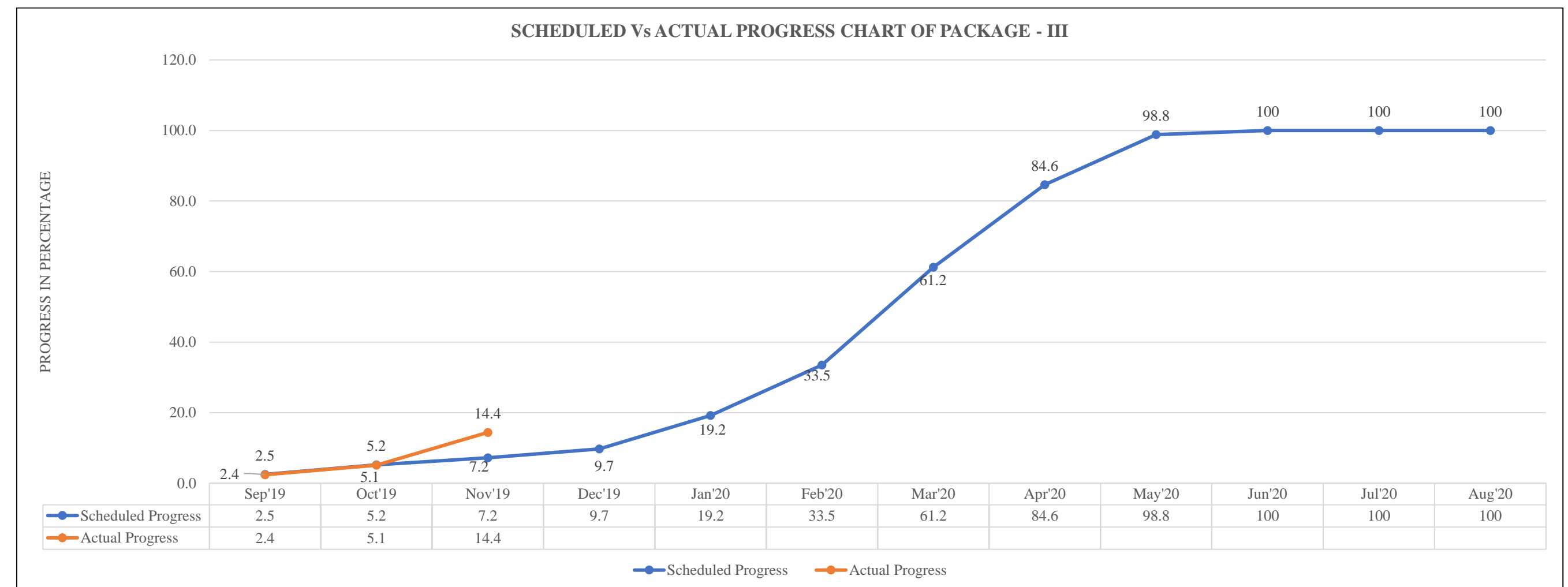


### MONTHLY PROGRESS CHART OF PACKAGE – III

<b>Name of work</b>	Design (wherever necessary), rehabilitate, restore, finance, operate and transfer four existing STP Facilities, one of capacity 50 MLD at Numayadahi (District B), one of capacity 29 MLD at Salori (District C), one of capacity 25 MLD at Kodra (District E) and another of capacity 10 MLD at Ponghat (District E), along with their Associated Infrastructure, as per the provisions of the Concession Agreement, and in adherence to the applicable Key Performance Indicators.
<b>Effective start date of construction</b>	16 <sup>th</sup> September 2019
<b>Scheduled completion date of construction</b>	15 <sup>th</sup> March 2020
<b>Extension of Assignment</b>	30 <sup>th</sup> June 2020

### Schedule Vs Actual Physical Progress (Cumulative)

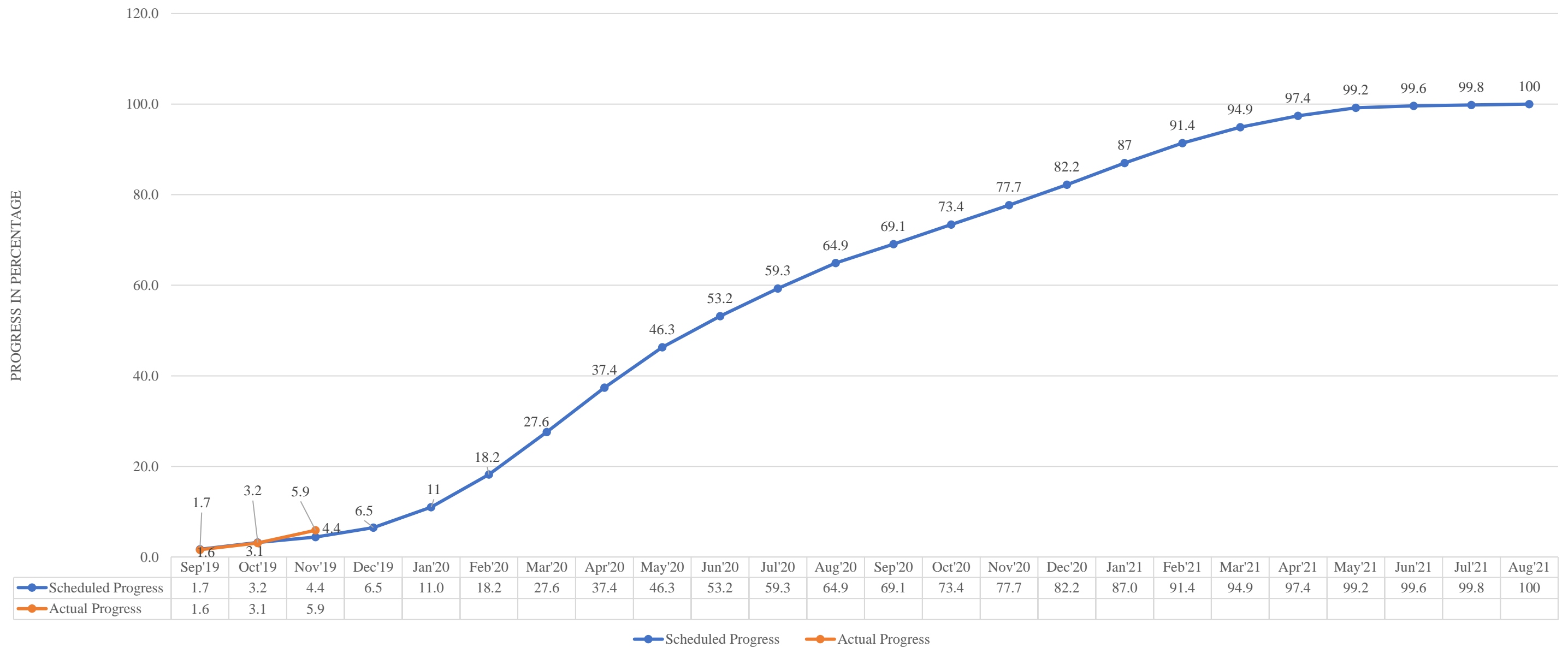
Activity	Sep, 19	Oct' 19	Nov' 19	Dec' 19	Jan' 20	Feb' 20	Mar' 20	Apr' 20	May' 20	Jun' 20	Jul' 20	Aug' 20
<b>Scheduled Physical Progress (%)</b>	2.5	5.2	7.2	9.7	19.2	33.5	61.2	84.6	98.8	100	100	100
<b>Actual Physical Progress (%)</b>	2.4	5.1	14.4									



## PROGRESS CHART OF OVERALL PROJECT

Activity	Sep, 19	Oct' 19	Nov' 19	Dec' 19	Jan' 20	Feb' 20	Mar' 20	Apr' 20	May' 20	Jun' 20	Jul' 20	Aug' 20	Sep' 20	Oct' 20	Nov' 20	Dec' 20	Jan' 21	Feb' 21	Mar' 21	Apr' 21	May' 21	Jun' 21	Jul' 21	Aug, 21
<b>Scheduled Physical Progress (%)</b>	1.7	3.2	4.4	6.5	11	18.2	27.6	37.4	46.3	53.2	59.3	64.9	69.1	73.4	77.7	82.2	87.0	91.4	94.9	97.4	99.2	99.6	99.8	100
<b>Actual Physical Progress (%)</b>	1.6	3.1	5.9																					

SCHEDULED Vs ACTUAL PROGRESS CHART OF OVERALL PROJECT



## 6.2 Achievement of Construction Milestone

The financials of Concession Agreement amount of project are as follows;

Facility	Milestone No.	Scheduled Start Date	Scheduled Completion Date	Status/ Actual Completion Date	Remarks
Package 1	Milestone 1	16 <sup>th</sup> September 2019	15 <sup>th</sup> January 2020	Under Progress	Process of land transfer document to PWPL is completed on dated 21.11.2019 for JHUNSI STP.
	Milestone 2	16 <sup>th</sup> January 2020	15 <sup>th</sup> March 2020		
	Milestone 3	16 <sup>th</sup> March 2020	15 <sup>th</sup> May 2020		
	Milestone 4	16 <sup>th</sup> May 2020	15 <sup>th</sup> July 2020		
	Milestone 5	16 <sup>th</sup> July 2020	15 <sup>th</sup> September 2020		
	Milestone 6	16 <sup>th</sup> September 2020	15 <sup>th</sup> December 2020		
	Milestone 7	16 <sup>th</sup> December 2020	15 <sup>th</sup> March 2021		
	Milestone 8	16 <sup>th</sup> March 2021	15 <sup>th</sup> June 2021		
Package 2	Milestone 1	16 <sup>th</sup> September 2019	25 <sup>th</sup> March 2020	Under Progress	
	Milestone 2	26 <sup>th</sup> March 2020	30 <sup>th</sup> April 2020		
	Milestone 3	1 <sup>st</sup> May 2020	15 <sup>th</sup> August 2020		
	Milestone 4	16 <sup>th</sup> August	15 <sup>th</sup> September 2020		
Package 3	Milestone 1	16 <sup>th</sup> September 2019	25 <sup>th</sup> March 2020	Under Progress	
	Milestone 2	26 <sup>th</sup> March 2020	30 <sup>th</sup> June 2020		

### 6.3 Meetings, Discussions and Site Visits:

Regular progress review meetings are being held at UPJN office & sites. Following meetings were held during the month of November' 2019

Sr. No.	Meeting with UPJN / NMCG / Appraisal agency	Date	Attendees	Description
1.	Site visit at Package -I facilities	04.11.2019	1.A.E – UPJN 2.A.M – PWPL 3.SCE (IV)-AECOM	Regarding construction Progress review at Phaphamau, Naini-II STP
2.	Site visit at Package -II facilities	04.11.2019	1.A.E – UPJN 2.A.M – PWPL 3.SCE (IV)-AECOM	Regarding construction Progress review at Naini-I STP
3.	Site visit at Package -II facilities	08.11.2019	1.A.E – UPJN 2.A.M – PWPL 3.SCE (IV)-AECOM	Regarding construction Progress review at Rajapur STP
4.	Site visit at Package -III facilities	14.11.2019	2.A.M – PWPL 3.SCE (IV)-AECOM	Regarding construction Progress review at Numayadahi, Sasur kahderi SPS
5.	Site visit at Package -II facilities	20.11.2019	1.A.M – PWPL 2.SCE (IV)-AECOM	Regarding construction Progress review at Naini-I STP

### 6.4 Activity wise monthly Progress:

Activity wise monthly progress is enclosed as Annexure-1

NEW CONSTRUCTION			
S. No.	Structure Description	Structure Qty.	Status
<b>PACKAGE – I</b>			
<b>PHAPHAMAU STP</b>			
1	STP	01 No.	• Demolition of civil structures of existing STP units has started
2	Cement store	01 No.	• Construction work in progress
<b>JHUNSI STP</b>			
3	Boundary wall	01 No.	• Physical demarcation of boundary wall work in progress
<b>PACKAGE – II</b>			
<b>NAINI-I STP</b>			
4	Outlet channel	01 No.	• Construction work in progress
<b>PACKAGE – III</b>			
<b>SASUR KHADERI SPS</b>			
5	Mechanical screen	01 No.	• Lubrication & cleaning work in progress
<b>SALORI STP</b>			

6	Grit Mechanism	01 No.	• Cleaning work in progress
<b>KODRA STP</b>			
7	Chlorine contact tank	01 No.	• Cleaning work in progress
8	Aeration tank	01 No.	• De-sludging work in progress



## 8. Photos of Meetings / Site Visits and Activities

### PACKAGE - I

#### PHAPHAMAU STP



#### Demolition work in progress



#### Cement store room – Construction work in progress



**JHUNSI STP**



**Boundary wall - Construction work in progress**

**PACKAGE - II**

**NAINI-I STP**



**STP Outlet – Pillar excavation work in progress**



**PACKAGE - III**

**SASUR KHADERI SPS**



**Mechanical screen – Cleaning & Lubrication work in progress**

**SALORI STP**



**Grit Mechanism – Cleaning work in progress**



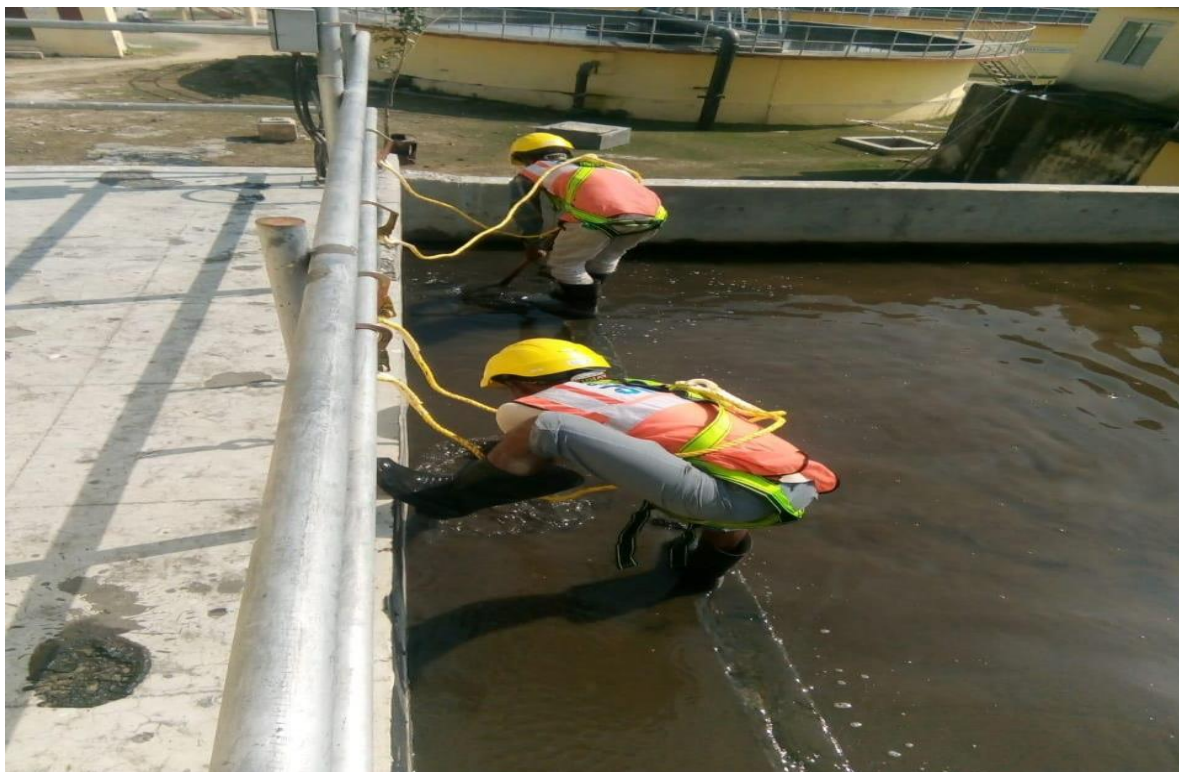
**KODRA STP**



**Boundary repairing work in progress**



**Chlorine contact tank – Cleaning work in progress**



**Aeration Tank – Cleaning work in progress**



**Sewage Nalla – Repairing work in progress**



## 9. Outward Register

List of key design & documents were reviewed by Project Engineer during this period as below;

Sr. No.	Transmittal/Ref No	Date	Description	To (Organization)	Copies To
1.	AIPL/NMCG/PRAYAG/062	11-Nov.-19	Observations on Master Documents List (MDL) for STP projects at Allahabad	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj
2.	AIPL/NMCG/PRAYAG/063	11-Nov.-19	Observations on Electrical Documents of Package-II & for STP projects	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj
3.	Via E-Mail	12-Nov.-19	Observations on Construction Milestone Payments	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj
4.	AIPL/NMCG/PRAYAG/064	14-Nov.-19	Observations on Phaphamau Civil Drawings	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj
5.	AIPL/NMCG/PRAYAG/068	19-Nov.-19	Appointment of subcontractors by Concessionaire for Prayagraj STP Projects	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj
6.	AIPL/NMCG/PRAYAG/069	19-Nov.-19	Observation on CCTV Data Sheets	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj
7.	AIPL/NMCG/PRAYAG/071	19-Nov.-19	Observation on PLC Documents Package II	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj

Sr. No.	Transmittal/Ref No	Date	Description	To (Organization)	Copies To
8.	AIPL/NMCG/PRAYAG/070	19-Nov.-19	Observation on CCTV Data Sheet Pkg-I	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj
9.	AIPL/NMCG/PRAYAG/072	20-Nov.-19	Regarding use of SRC Cement instead of OPC Cement in Prayagraj	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj
10.	AIPL/NMCG/PRAYAG/073	21-Nov.-19	Observation on Interim Availability	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj
11.	AIPL/NMCG/PRAYAG/074	26-Nov.-19	Observation on PLC Documents Package III	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj
12.	AIPL/NMCG/PRAYAG/075	26-Nov.-19	Observation on PLC Documents Package II & III	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj
13.	AIPL/NMCG/PRAYAG/076	26-Nov.-19	Observation on revised Construction Plan	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj
14.	AIPL/NMCG/PRAYAG/080	30-Nov.-19	Observations on Gas Engine Documents of Naini-I STP	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj
15.	AIPL/NMCG/PRAYAG/081	30-Nov.-19	Observations on Electrical Document LV Panels of Package-II & for STP projects at Allahabad under Hybrid Annuity based PPP mode	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj

Sr. No.	Transmittal/Ref No	Date	Description	To (Organization)	Copies To
16.	Via E-Mail	30-Nov.-19	Observations on Civil Drawings for Manholes for STP projects at Allahabad under Hybrid Annuity based PPP mode	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj
17.	AIPL/NMCG/PRAYAG/083	30-Nov.-19	Observations on Civil Drawings for Phaphamau STP for STP projects at Allahabad under Hybrid Annuity based PPP mode	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj
18.	AIPL/NMCG/PRAYAG/084	30-Nov.-19	Observations on PLC Room civil drawings for Package II/III for STP projects at Allahabad under Hybrid Annuity based PPP mode	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj
19.	AIPL/NMCG/PRAYAG/086	30-Nov.-19	Observations on Shantipuram MPS Staff Quarter Drawings for STP projects at Allahabad under Hybrid Annuity based PPP mode	The General Manager, Ganga Pollution Control Unit	1. SEFAE, NMCG, New Delhi 2. M/s PWPL, Prayagraj 3. PM-I, PM-IV, PM-E&M - UPJN, Prayagraj



## 10. Inward Register

List of key design & documents were received by Project Engineer during this period as below;

Sr. No.	Transmittal/Ref No	Date	Description	From
1.	PWPL/UPJN/P MCG/113/19	2-Nov-19	Submission of Phaphamau civil drawing	Project Manager, Ganga Pollution control unit
2.	PWPL/UPJN/P MCG/114/19	4-Nov-19	Submission of CCTV data sheet	Project Manager, Ganga Pollution control unit
3.	PWPL/UPJN/P MCG/115/19	5-Nov-19	Submission of C&I documents	Project Manager, Ganga Pollution control unit
4.	PWPL/UPJN/P MCG/116/19	7-Nov-19	Submission of package – II/III documents	Project Manager, Ganga Pollution control unit
5.	PWPL/UPJN/P MCG/117/19	8-Nov-19	Submission of CCTV data sheet	Project Manager, Ganga Pollution control unit
6.	PWPL/UPJN/P MCG/118/19	8-Nov-19	Submission of PLC documents of package II	Project Manager, Ganga Pollution control unit
7.	PWPL/UPJN/P MCG/119/19	8-Nov-19	Submission of PLC documents of package III	Project Manager, Ganga Pollution control unit
8.	PWPL/UPJN/P MCG/120/19	8-Nov-19	Submission of PLC documents of package II&III	Project Manager, Ganga Pollution control unit
9.	PWPL/UPJN/P MCG/121/19	12-Nov-19	Submission of Naini II documents	Project Manager, Ganga Pollution control unit
10.	PWPL/UPJN/P MCG/122/19	12-Nov-19	Submission of interim availability	Project Manager, Ganga Pollution control unit
11.	PWPL/UPJN/P MCG/123/19	12-Nov-19	Submission of monthly progress report for OCT-19	Project Manager, Ganga Pollution control unit
12.	PWPL/UPJN/P MCG/124/19	13-Nov-19	Submission of revised FEED documents for Naini – II STP & associate infrastructure	Project Manager, Ganga Pollution control unit
13.	PWPL/UPJN/P MCG/126/19	15-Nov-19	Close transition type start delta starter	Project Manager, Ganga Pollution control unit
14.	PWPL/UPJN/P MCG/127/19	15-Nov-19	Submission of PLC room CIVIL drawing Package – II/III	Project Manager, Ganga Pollution control unit

Sr. No.	Transmittal/Ref No	Date	Description	From
15.	PWPL/UPJN/P MCG/128/19	15-Nov-19	Submission of pump documents package II/III	Project Manager, Ganga Pollution control unit
16.	PWPL/UPJN/P MCG/129/19	15-Nov-19	Submission of Shantipuram MPS staff Quarter Drawings	Project Manager, Ganga Pollution control unit
17.	PWPL/UPJN/P MCG/130/19	16-Nov-19	Submission of gas engine documents – Naini-I	Project Manager, Ganga Pollution control unit
18.	PWPL/UPJN/P MCG/131/19	18-Nov-19	Submission of UPS data sheet	Project Manager, Ganga Pollution control unit
19.	PWPL/UPJN/P MCG/132/19	19-Nov-19	Submission of MH drawings	Project Manager, Ganga Pollution control unit
20.	PWPL/UPJN/P MCG/133/19	19-Nov-19	Submission of UPS data sheet	Project Manager, Ganga Pollution control unit
21.	PWPL/UPJN/P MCG/134/19	19-Nov-19	Submission of MV panel data sheet Package – II/III	Project Manager, Ganga Pollution control unit
22.	PWPL/UPJN/P MCG/135/19	19-Nov-19	Submission of Jhansi topo survey report	Project Manager, Ganga Pollution control unit
23.	PWPL/UPJN/P MCG/136/19	19-Nov-19	Submission of Diffuser data sheet Package II/III	Project Manager, Ganga Pollution control unit
24.	PWPL/UPJN/P MCG/137/19	20-Nov-19	Appointment by subcontractor by concessionaire for Prayagraj STP	Project Manager, Ganga Pollution control unit
25.	PWPL/UPJN/P MCG/138/19	20-Nov-19	Submission of Biotower media Datasheet	Project Manager, Ganga Pollution control unit
26.	PWPL/UPJN/P MCG/139/19	20-Nov-19	Submission of process analyser Datasheet	Project Manager, Ganga Pollution control unit
27.	PWPL/UPJN/P MCG/140/19	20-Nov-19	Submission of process analyser Datasheet	Project Manager, Ganga Pollution control unit
28.	PWPL/UPJN/P MCG/141/19	21-Nov-19	Submission of Pump data sheet package – II/III	Project Manager, Ganga Pollution control unit
29.	PWPL/UPJN/P MCG/142/19	21-Nov-19	Submission of BEP document for Jhansi STP	Project Manager, Ganga Pollution control unit
30.	PWPL/UPJN/P MCG/143/19	21-Nov-19	Submission of Revised Transformer data sheet	Project Manager, Ganga Pollution control unit

Sr. No.	Transmittal/Ref No	Date	Description	From
31.	PWPL/UPJN/P MCG/144/19	21-Nov-19	Submission of LV panel Data sheet- Rev-1	Project Manager, Ganga Pollution control unit
32.	PWPL/UPJN/P MCG/145/19	21-Nov-19	Submission of Sludge dewatering system documents	Project Manager, Ganga Pollution control unit
33.	PWPL/UPJN/P MCG/146/19	22-Nov-19	Submission of Biogas engine datasheet	Project Manager, Ganga Pollution control unit
34.	PWPL/UPJN/P MCG/147/19	23-Nov-19	Submission of Naini-II STP boundary wall drawings	Project Manager, Ganga Pollution control unit
35.	PWPL/UPJN/P MCG/148/19	23-Nov-19	Submission of Basna Nalla SPS drawings	Project Manager, Ganga Pollution control unit
36.	PWPL/UPJN/P MCG/149/19	23-Nov-19	Submission of screen documents of Salori	Project Manager, Ganga Pollution control unit
37.	PWPL/UPJN/P MCG/150/19	21-Nov-19	Submission of Sludge dewatering system	Project Manager, Ganga Pollution control unit
38.	PWPL/UPJN/P MCG/151/19	25-Nov-19	Regarding use of SRC at sewage structures under NMCG HAM STP Project at Prayagraj.	Project Manager, Ganga Pollution control unit
39.	PWPL/UPJN/P MCG/152/19	25-Nov-19	Submission of flow meter documents	Project Manager, Ganga Pollution control unit
40.	PWPL/UPJN/P MCG/153/19	26-Nov-19	Submission of Phaphamau GA drawings	Project Manager, Ganga Pollution control unit
41.	PWPL/UPJN/P MCG/154/19	27-Nov-19	Submission of soil investigation report	Project Manager, Ganga Pollution control unit
42.	PWPL/UPJN/P MCG/155/19	27-Nov-19	Submission of Basna nalla Layout	Project Manager, Ganga Pollution control unit
43.	PWPL/UPJN/P MCG/156/19	29-Nov-19	Submission of quality Plan	Project Manager, Ganga Pollution control unit

## 11. EHS targets, Achievement & compliance report for the month of November' 2019

### 11.1 Health & Safety target & goals

Sr. No.	Goals	Target of the month	Achievement of this Month	Previous Month achievement	Remark
1	Zero total recordable injuries	100%	100%	100%	
2	All personnel Health and Safety inducted	100%	100%	100%	
3	100% incident reporting and investigation	100%	100%	100%	
4	100% adherence of usage of appropriate PPE's at work	100%	100%	100%	

### 11.2 Monthly HSE Report covering month for the November -2019

Sr.no	Description	Target of the month	Achievement of the month	Project Cumulative W.E.F. 01-JUL-2019	Remark
1	Monthly minor accident, serious incident details	-	-	-	No Incident occurred
2	Average manpower details, man-hours work	Actual	67392	299458	Safe man hour
3	Lost time (no of working days)	-	-	-	No LTI
4	Number of on Job training	06 Nos	06 Nos	22 Nos	Electrical Safety, LOTO, Emergency Preparedness
5	Number of People trained	50 Nos	50 Nos	320 Nos	
6	HSE committee minutes of meeting	01 Nos	01 NOs	04 Nos	
7	HSE inspection/ Round / Visit etc.	10 Nos	10 Nos	28 Nos	

## 12. Status of statutory permits:

Sr. No.	Description	Responsibility	Status	Target Date	Remarks
1	SPV Formation & Registration	PWPL	Completed		
2	SPV GST Registration	PWPL	Completed		
3	SPV Site Office Registration	PWPL	Completed		
4	IT PAN No. / TAN No.	PWPL	Completed		
5	Industrial Enterprise Memorandum (IEM)	PWPL	In Process		
6	BOCW Registration	PWPL	Completed		
7	PF Registration	PWPL	Completed		
8	Labour Licence	PWPL	Completed		
9	Registration under Professional tax Act for employee	PWPL	Completed		
10	Import/ Export Code Registration	PWPL	NA		
11	Permission for various imports / spares pursuant to the Foreign Trade	PWPL	NA		
12	Essentiality Certificate for import duty concession	PWPL	NA		
13	CEIG Clearance	PWPL	Pending		During construction phase
14	Safety clearance - EOT cranes, hoists and other lifting devices	PWPL	Pending		During construction phase
15	Permission for Ground Water Use	PWPL	NA		Not required. Water will be arranged through tanker / local sources.
16	Construction Power Connection	PWPL	In progress		Applied
17	Consent to Operate for New Facilities	PWPL	Pending	31-Aug-21	After COD