

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
DECEMBER 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,
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Ahmedabad.

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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 5th 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;**

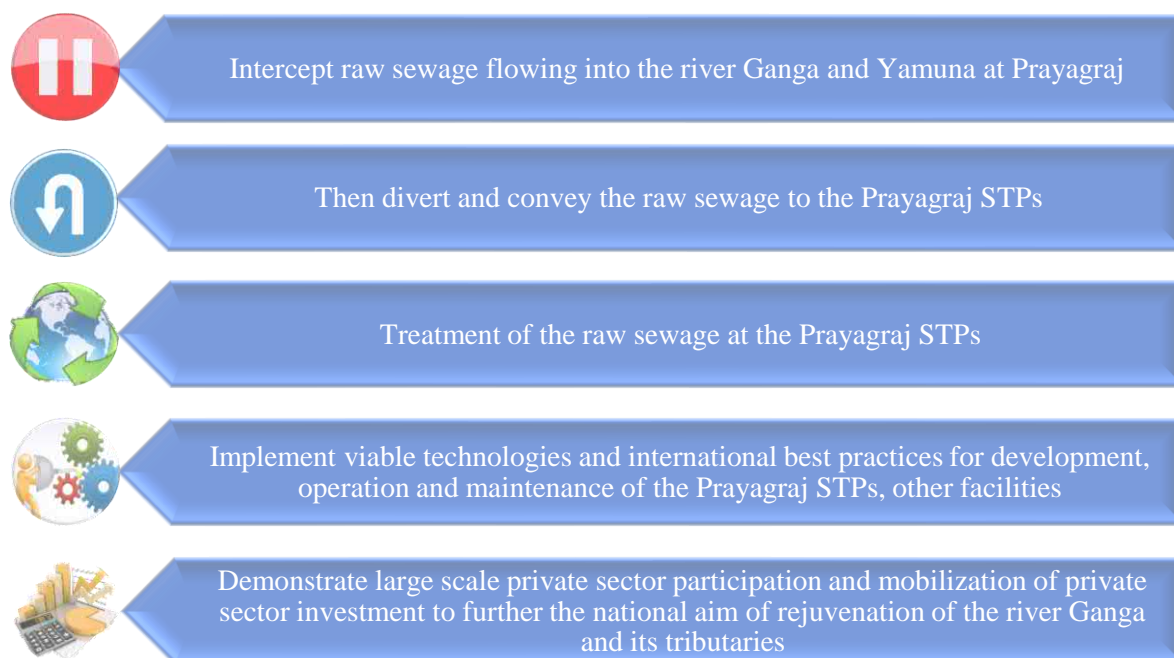


Figure 1 : Objectives of NMCG and UP JAL NIGAM

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 4th February 2019 and agreement signed between the parties on 5th 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	Development and Rehabilitation of Sewage Treatment Plants and Associated Infrastructure under HAM based PPP mode at Prayagraj, Uttar Pradesh
	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 th 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		
Rehabilitation		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		
Rehabilitation		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 11th May 2019. Condition Precedent were not met and mutually agreed on 16th 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

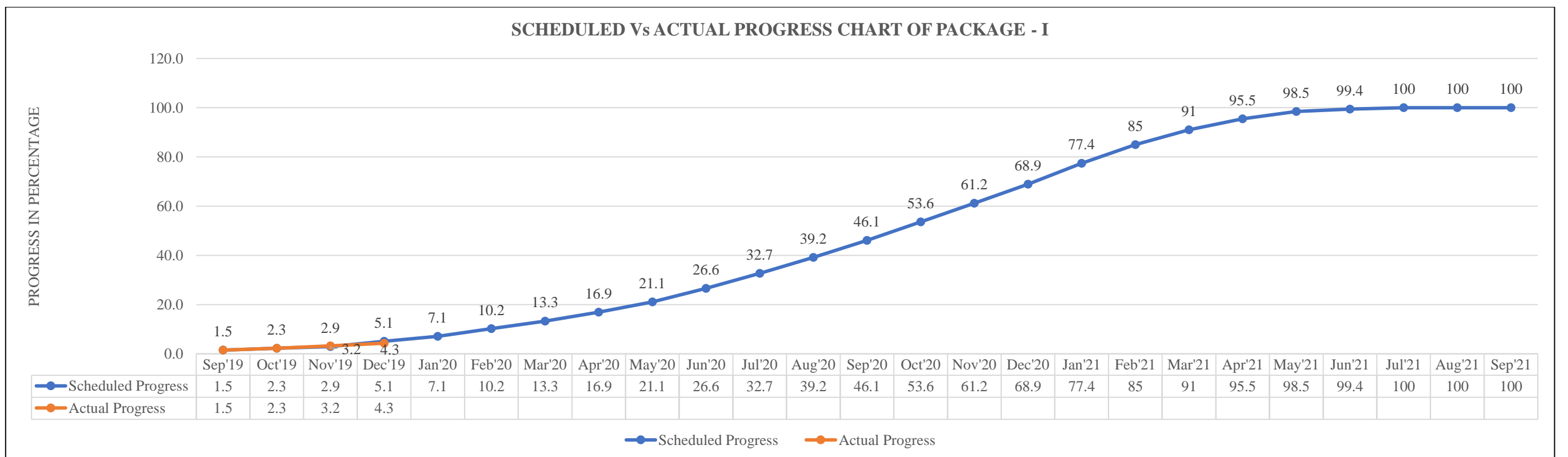
Overall Progress of the project and individually package wise progress are as follows;

MONTHLY PROGRESS CHART OF PACKAGE – I

Name of work	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.
Effective start date of construction	16 th September 2019
Scheduled completion date of construction	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
Scheduled Physical Progress (%)	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
Actual Physical Progress (%)	1.5	2.3	3.2	4.3																					

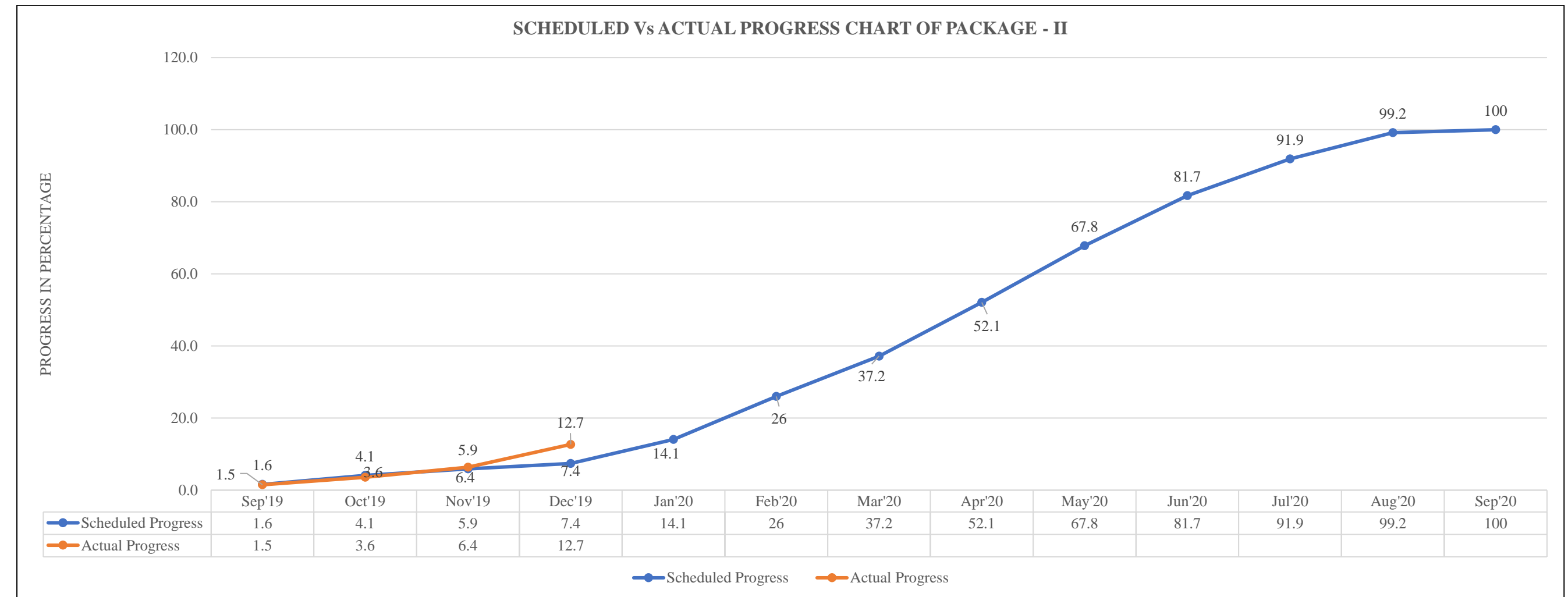


MONTHLY PROGRESS CHART OF PACKAGE – II

Name of work	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.
Effective start date of construction	16 th September 2019
Scheduled completion date of construction	15 th 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
Scheduled Physical Progress (%)	1.6	4.1	5.9	7.4	14.1	26	37.2	52.1	67.8	81.7	91.9	99.2	100
Actual Physical Progress (%)	1.5	3.6	6.4	12.7									

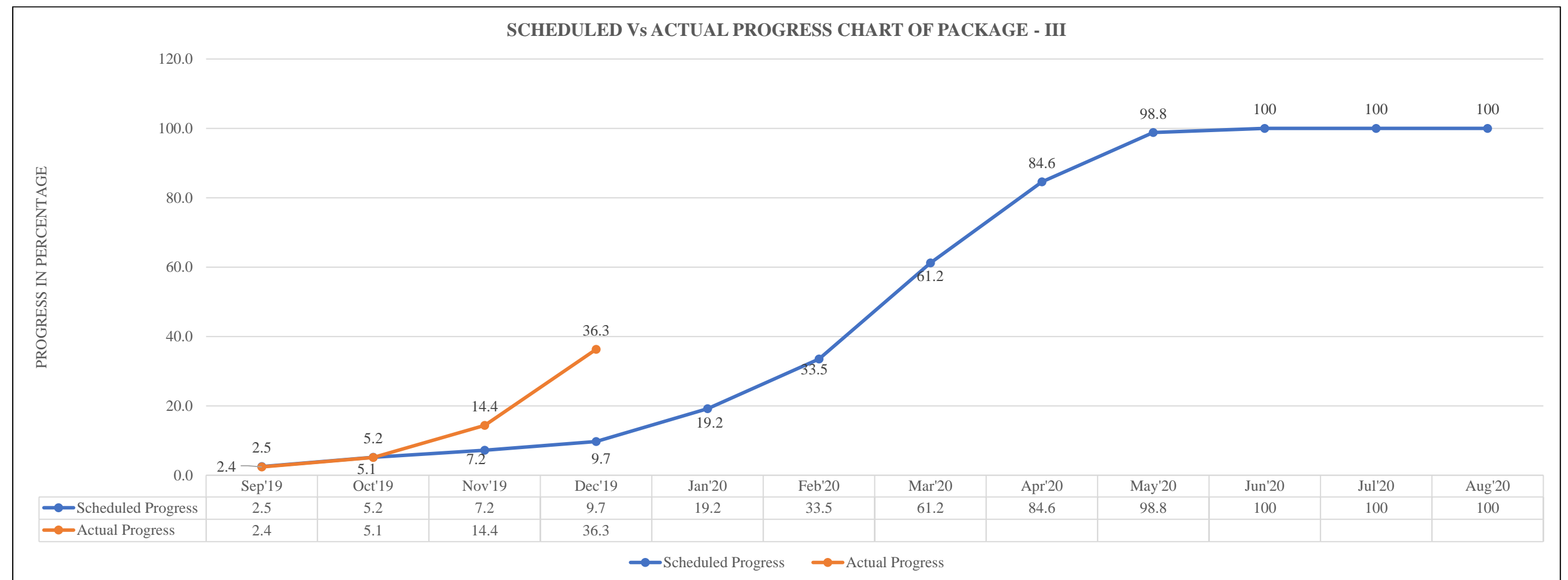


MONTHLY PROGRESS CHART OF PACKAGE – III

Name of work	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.
Effective start date of construction	16 th September 2019
Scheduled completion date of construction	15 th March 2020
Extension of Assignment	30 th June 2020

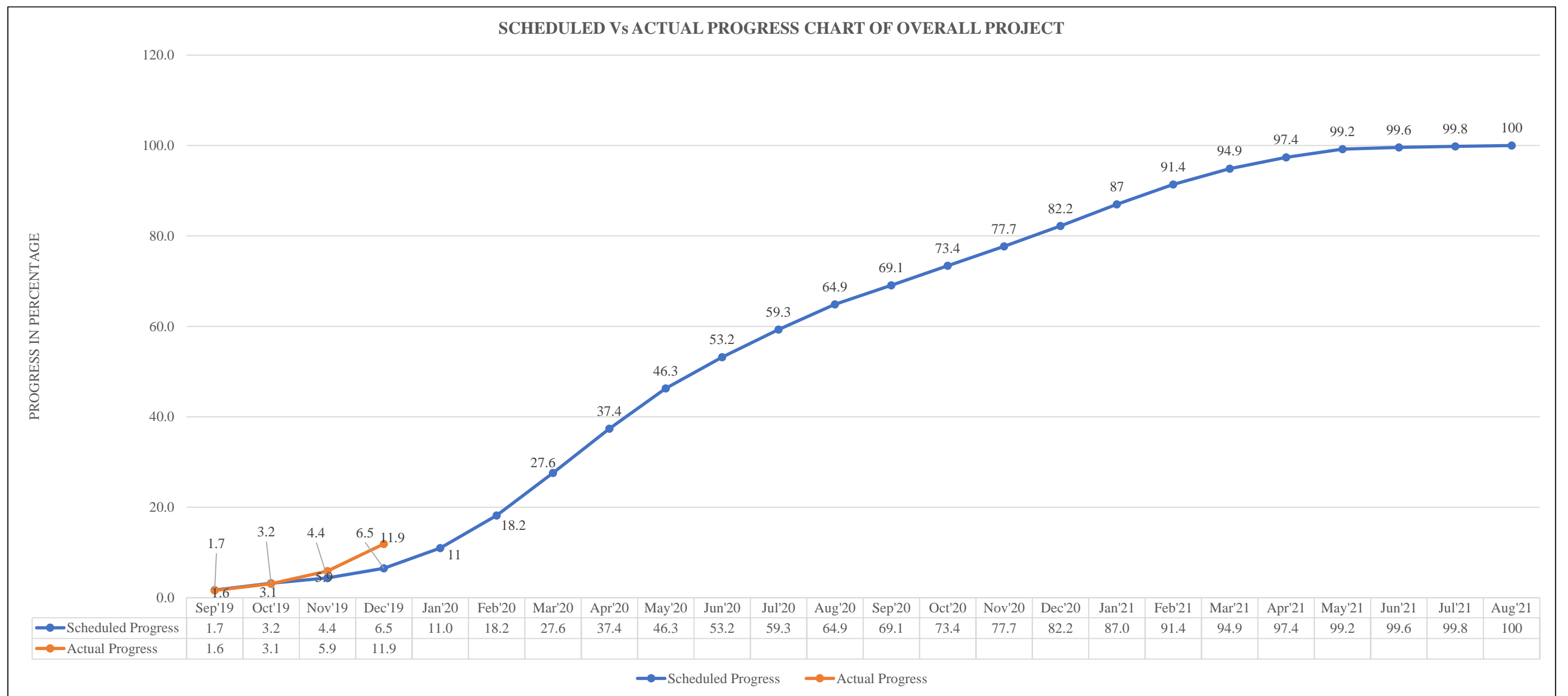
Schedule Vs Actual Physical Progress (Cumulative)

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
Scheduled Physical Progress (%)	2.5	5.2	7.2	9.7	19.2	33.5	61.2	84.6	98.8	100	100	100
Actual Physical Progress (%)	2.4	5.1	14.4	36.3								



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
Scheduled Physical Progress (%)	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
Actual Physical Progress (%)	1.6	3.1	5.9	11.9																				



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 th September 2019	15 th January 2020	Under Progress	Land transfer document process is completed on dated 21.11.2019 for JHUNSI STP.
	Milestone 2	16 th January 2020	15 th March 2020		
	Milestone 3	16 th March 2020	15 th May 2020		
	Milestone 4	16 th May 2020	15 th July 2020		
	Milestone 5	16 th July 2020	15 th September 2020		
	Milestone 6	16 th September 2020	15 th December 2020		
	Milestone 7	16 th December 2020	15 th March 2021		
	Milestone 8	16 th March 2021	15 th June 2021		
Package 2	Milestone 1	16 th September 2019	25 th March 2020	Under Progress	
	Milestone 2	26 th March 2020	30 th April 2020		
	Milestone 3	1 st May 2020	15 th August 2020		
	Milestone 4	16 th August	15 th September 2020		
Package 3	Milestone 1	16 th September 2019	25 th March 2020	Under Progress	
	Milestone 2	26 th March 2020	30 th 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 December' 2019

Sr. No.	Meeting with UPJN / NMCG / Appraisal agency	Date	Attendees	Description
1.	Site visit at Package -III facilities	02.12.2019	1.A.M – PWPL 2.S.E -AECOM	Progress review of Numayadahi, Sasur kahderi SPS
2.	Site visit at Package -III facilities.	05.12.2019	1.A.E – UPJN 2.A.M – PWPL 3.S.E -AECOM	Progress review Salori STP
3.	Site visit at Package -I facilities	06.12.2019	1.A.E – UPJN 2.A.M – PWPL 3.S.E -AECOM	Progress review of Phaphamau STP
4.	Site visit at Package -I facilities	12.12.2019	2.A.M – PWPL 3.S.E -AECOM	Progress review of Phaphamau 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
PACKAGE – I			
PHAPHAMAU STP			
1	STP	01 No.	• Debris removal work is started
2	FCR	01 No.	• Excavation work in progress
NAINI-II STP			
3	Approach road	01 No.	• Construction work in progress
4	Boundary wall	01 No.	• Construction work in progress
5	FCR	01 No.	• Excavation work in progress
PACKAGE – III			
NUMAYADAH STP			
5	Bio tower	01 No.	• Media replacing work in progress
SALORI STP			
6	Hand rail	01 No.	• Painting work in progress

8. Photos of Meetings / Site Visits and Activities

PACKAGE - I

PHAPHAMAU STP



TMT steel received at site



Debris removal work in progress

PHAPHAMAU STP**FCR – Excavation work in progress****Mixture Machine RM-800 installed at site**

NAINI-II STP



Approach Road – Construction work in progress



Boundary wall – Excavation work in progress

NAINI -II STP



FCR tank – Excavation work in progress



Boundary wall – PCC work in progress

PACKAGE - III

NUMAYADAH I STP



Bio Tower – Media profiling work in progress

SALORI STP



Hand Rail – Painting 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/088	7-Dec.-19	Observations on GA Drawings of Basna Nalla SPS and Shantipuram MPS 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
2.	AIPL/NMCG/PRAYAG/089	10-Dec.-19	Observations on Documents of Sludge Dewatering System 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
3.	Via E-Mail	12-Dec.-19	Visit report of Numayadahi STP, Ghagharnalla MPS, Sasur Khaderi SPS, Rajapur 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
4.	Via E-Mail	13-Dec.-19	Visit report of Salori 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
5.	AIPL/NMCG/PRAYAG/092	23-Dec.-19	Observations on Phaphamau STP GA Drawing 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
6.	AIPL/NMCG/PRAYAG/094	25-Dec.-19	Observations on Basna Nalla SPS GA 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
7.	AIPL/NMCG/PRAYAG/095	25-Dec.-19	Observations on revised Drawings for Naini II STP Boundary Wall 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
8.	AIPL/NMCG/PRAYAG/096	25-Dec.-19	Observations on revised drawings for Shantipuram MPS Staff Quarters 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
9.	AIPL/NMCG/PRAYAG/097	25-Dec.-19	Observations on Mawaiya SPS 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.	AIPL/NMCG/PRAYAG/100	25-Dec.-19	Observations on GA Layout of Jhunsu 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

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/PM CG/165/19	02 -Dec-19	Submission of Naini -I gas engine documents	Project Manager, Ganga Pollution control unit
2.	PWPL/UPJN/PM CG/166/19	02 -Dec-19	Submission of PLC Documents Package II/III	Project Manager, Ganga Pollution control unit
3.	PWPL/UPJN/PM CG/167/19	02 -Dec-19	Submission of PLC Documents Package II/III	Project Manager, Ganga Pollution control unit
4.	PWPL/UPJN/PM CG/168/19	02 -Dec-19	Submission of NAINI II boundary wall revised Drawings.	Project Manager, Ganga Pollution control unit
5.	PWPL/UPJN/PM CG/169/19	02 -Dec-19	Submission of interim availability	Project Manager, Ganga Pollution control unit
6.	PWPL/UPJN/PM CG/170/19	02 -Dec-19	Submission of Salori MBBR documents	Project Manager, Ganga Pollution control unit
7.	PWPL/UPJN/PM CG/171/19	03 -Dec-19	Submission of master drawing list	Project Manager, Ganga Pollution control unit
8.	PWPL/UPJN/PM CG/172/19	03 -Dec-19	Submission of Package I diffuser documents	Project Manager, Ganga Pollution control unit
9.	PWPL/UPJN/PM CG/173/19	03 -Dec-19	Submission of Diffuser Piping drawings Package - II/III	Project Manager, Ganga Pollution control unit
10.	PWPL/UPJN/PM CG/174/19	04 -Dec-19	Submission of gas engine documents of Naini -I	Project Manager, Ganga Pollution control unit
11.	PWPL/UPJN/PM CG/175/19	04 -Dec-19	Submission of Staff quarter drawings – Mahewaghat SPS	Project Manager, Ganga Pollution control unit
12.	PWPL/UPJN/PM CG/176/19	04 -Dec-19	Submission of HNC and VNC document for Package II/III	Project Manager, Ganga Pollution control unit
13.	PWPL/UPJN/PM CG/177/19	04 -Dec-19	Compliance of the points raised by UPJN (regarding performance of various facilities under Pkg -II & Pkg-III)	Project Manager, Ganga Pollution control unit
14.	PWPL/UPJN/PM CG/178/19	06 -Dec-19	Prayagraj STP Project – Pending points	Project Manager, Ganga Pollution control unit

Sr. No.	Transmittal/Ref No	Date	Description	From
15.	PWPL/UPJN/PM CG/179/19	06 -Dec-19	Submission of Technical datasheet of screens	Project Manager, Ganga Pollution control unit
16.	PWPL/UPJN/PM CG/180/19	09 -Dec -19	Submission of Action taken report	Project Manager, Ganga Pollution control unit
17.	PWPL/UPJN/PM CG/181/19	10 -Dec-19	Submission of Fire system documents for Pkg – II/III	Project Manager, Ganga Pollution control unit
18.	PWPL/UPJN/PM CG/182/19	10 -Dec-19	Submission of monthly progress report for Nov -19	Project Manager, Ganga Pollution control unit
19.	PWPL/UPJN/PM CG/183/19	11-Dec-19	Submission of rooftop Solar Power Plant for Pkg II/III	Project Manager, Ganga Pollution control unit
20.	PWPL/UPJN/PM CG/184/19	11-Dec-19	Shut down of 60 MLD STP, 29 MLD Salori STP & 60 MLD Rajapur STP and associated infrastructure at Prayagraj	Project Manager, Ganga Pollution control unit
21.	PWPL/UPJN/PM CG/185/19	12-Dec-19	Submission of Basna Nala GAD	Project Manager, Ganga Pollution control unit
22.	PWPL/UPJN/PM CG/186/19	12-Dec-19	Submission of PLC document for Package II/III	Project Manager, Ganga Pollution control unit
23.	PWPL/UPJN/PM CG/187/19	11-Dec-19	Submission of Revised construction schedule	Project Manager, Ganga Pollution control unit
24.	PWPL/UPJN/PM CG/188/19	12-Dec-19	Submission of Naini I gas engine documents	Project Manager, Ganga Pollution control unit
25.	PWPL/UPJN/PM CG/189/19	12-Dec-19	Request for material inspection for Pkg II & III	Project Manager, Ganga Pollution control unit
26.	PWPL/UPJN/PM CG/190/19	13-Dec-19	Submission of QAP for Pkg-II & III	Project Manager, Ganga Pollution control unit
27.	PWPL/UPJN/PM CG/191/19	13-Dec-19	Submission of civil Drawing for Pkg II/III	Project Manager, Ganga Pollution control unit
28.	PWPL/UPJN/PM CG/193/19	14 -Dec-19	Submission of Mahewaghat SPS SAD and I&D works	Project Manager, Ganga Pollution control unit
29.	PWPL/UPJN/PM CG/194/19	14 -Dec-19	Approval of supplier for Pkg-I	Project Manager, Ganga Pollution control unit

Sr. No.	Transmittal/Ref No	Date	Description	From
30.	PWPL/UPJN/PM CG/195/19	14 -Dec-19	Submission of QAP for Pkg- II&III	Project Manager, Ganga Pollution control unit
31.	PWPL/UPJN/PM CG/196/19	17-Dec-19	Submission of Surface aerator documents for Pkg- II & III	Project Manager, Ganga Pollution control unit
32.	PWPL/UPJN/PM CG/19 7/19	17-Dec-19	Submission of Revised document of shantipuram staff quarter	Project Manager, Ganga Pollution control unit
33.	PWPL/UPJN/PM CG/198/19	17-Dec-19	submission of Drawing for Naini II staff quarter	Project Manager, Ganga Pollution control unit
34.	PWPL/UPJN/PM CG/199/19	17-Dec-19	Submission of Revised drawing for Naini II boundary wall	Project Manager, Ganga Pollution control unit
35.	PWPL/UPJN/PM CG/200/19	17-Dec-19	Submission of MV Panel dat asheet	Project Manager, Ganga Pollution control unit
36.	PWPL/UPJN/PM CG/202/19	17-Dec-19	Regarding issuance of notice in Name of PWPL.	Project Manager, Ganga Pollution control unit
37.	PWPL/UPJN/PM CG/203/19	17-Dec-19	Submission of Grit removal , clarifier and thickener documents for Pkg II & III	Project Manager, Ganga Pollution control unit
38.	PWPL/UPJN/PM CG/204/19	17-Dec-19	Submission of Drawing for Mawaiya Drain SPS staff Quarters	Project Manager, Ganga Pollution control unit
39.	PWPL/UPJN/PM CG/205/19	17-Dec-19	Submission of Drawing for Mahewaghat Drain SPS staff Quarters	Project Manager, Ganga Pollution control unit
40.	PWPL/UPJN/PM CG/206/19	17-Dec-19	Submission of Gaughat MPS pum p document	Project Manager, Ganga Pollution control unit
41.	PWPL/UPJN/PM CG/208/19	18 -Dec-19	Regarding facility running over design capacity.	Project Manager, Ganga Pollution control unit
42.	PWPL/UPJN/PM CG/209/19	18 -Dec-19	Regarding approval of shutdown of facility for rehabilitation work related to Pkg II and Pkg III under HAM project.	Project Manager, Ganga Pollution control unit
43.	PWPL/UPJN/PM CG/210/19	19 -Dec-19	Submission of Nala boundary wall Drawing	Project Manager, Ganga Pollution control unit
44.	PWPL/UPJN/PM CG/211/19	19 -Dec-19	Submission of Civil drawing for manhole	Project Manager, Ganga Pollution control unit

Sr. No.	Transmittal/Ref No	Date	Description	From
45.	PWPL/UPJN/PM CG/212/19	20 -Dec-19	Submission of Naini II Layout	Project Manager, Ganga Pollution control unit
46.	PWPL/UPJN/PM CG/213/19	20 -Dec-19	Submission of Mawaiya Drain SPS piping, GAD & Layout	Project Manager, Ganga Pollution control unit
47.	PWPL/UPJN/PM CG/214/19	20 -Dec-19	Submission of Close transition type star delta starters for LV switchgear.	Project Manager, Ganga Pollution control unit
48.	PWPL/UPJN/PM CG/215/19	23-Dec-19	Submission of PLC document for Pkg - II & III	Project Manager, Ganga Pollution control unit
49.	PWPL/UPJN/PM CG/216/19	24 -Dec-19	Control supply for LV switchgear.	Project Manager, Ganga Pollution control unit
50.	PWPL/UPJN/PM CG/217/19	24 -Dec-19	Submission of LV panel document for Pkg II & III.	Project Manager, Ganga Pollution control unit
51.	PWPL/UPJN/PM CG/218/19	24 -Dec-19	Asset management documents for Pkg -II	Project Manager, Ganga Pollution control unit
52.	PWPL/UPJN/PM CG/219/19	24 -Dec-19	Submission of Biogas STP at Naini - I STP	Project Manager, Ganga Pollution control unit
53.	PWPL/UPJN/PM CG/220/19	24 -Dec-19	Submission of PLC documents	Project Manager, Ganga Pollution control unit
54.	PWPL/UPJN/PM CG/221/19	24 -Dec-19	Submission of PLC documents	Project Manager, Ganga Pollution control unit
55.	PWPL/UPJN/PM CG/222/19	25-Dec-19	Basana nala SPS & Shantipuram MPS GAD	Project Manager, Ganga Pollution control unit
56.	PWPL/UPJN/PM CG/223/19	25-Dec-19	Deviation at Shantipuram, MPS	Project Manager, Ganga Pollution control unit
57.	PWPL/UPJN/PM CG/224/19	26 -Dec-19	Submission of Basna nala SPS staff Quarter	Project Manager, Ganga Pollution control unit
58.	PWPL/UPJN/PM CG/225/19	26 -Dec-19	Submission of PLC documents for Pkg II & III.	Project Manager, Ganga Pollution control unit

11. EHS targets, Achievement & compliance report for the month of December' 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 December -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	378106	Safe man hour
3	Lost time (no of working days)	-	-	-	No LTI
4	Number of on Job training	10 Nos	10 Nos	32 Nos	Plant safety Rules, Excavation Safety, Electrical Safety, LOTO.
5	Number of People trained	80 Nos	80 Nos	400 Nos	
6	HSE committee minutes of meeting	01 Nos	01 NOs	05 Nos	
7	HSE inspection/ Round / Visit etc.	12Nos	12 Nos	40 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