

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 2021



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 Technologiak
ZRT)
Adani House, 56 Shri Mall,
Society, Navrangpura,

Table of Contents

1. Introduction.....	2
2. Hybrid Annuity Model (HAM)	3
3. Objectives	3
4. Project at Glance.....	5
5. Site Location.....	6
6. Project Components.....	7
7. Status of project.....	10
7.1 Package-I status	10
7.1.1. Engineering status	10
7.1.2 Procurement & Supply status	10
7.1.3 Construction, Erection & Commissioning status.....	11
7.1.4 Overall Package-I Progress:	12
7.1.5 Physical Activities in October month.....	13
7.1.6 Physical Activities as per Construction plan:	15
7.2 Package-II status.....	27
7.3 Package-III status.....	28
8. Meetings, Discussions and Site Visits:.....	29
9. Staff deployment	31
10. Photos of Meetings / Site Visits and Activities	32
11. Outward Register	41
12. Inward Register	43
13. EHS targets, Achievement & compliance report for the month of October' 2021.....	44
14. Status of statutory permits:.....	44
15. Plant & Machinery Status.....	49

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 industrialization and urbanization 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 liters 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 program 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;

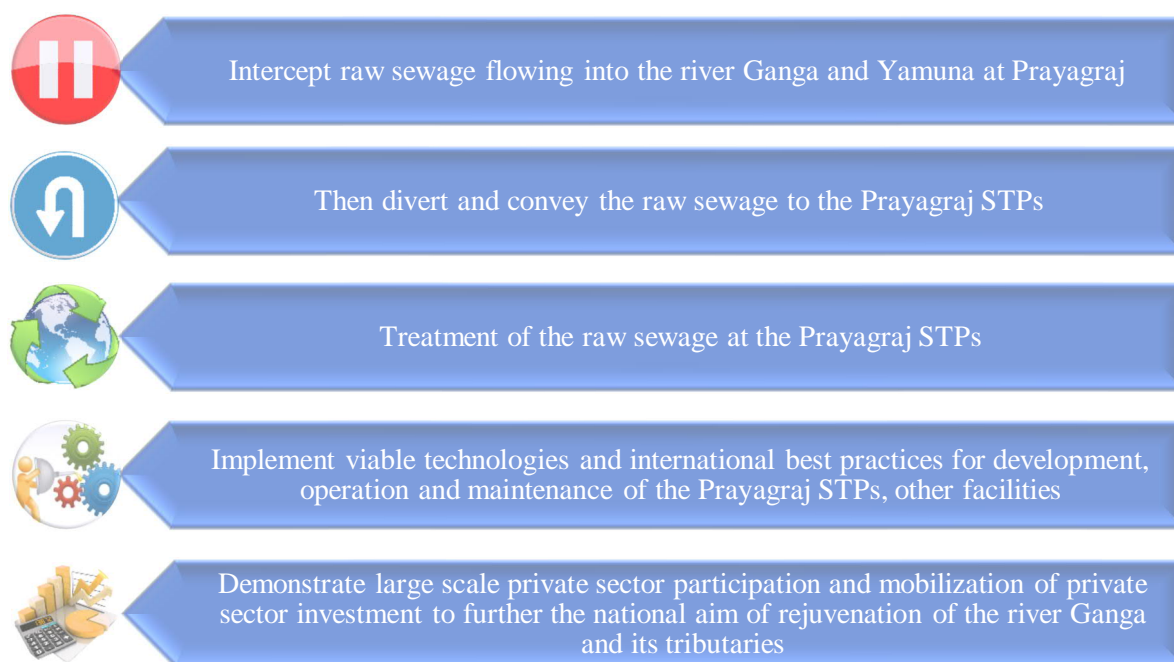


Figure 1 : Objectives of NMCG and UP JAL NIGAM

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.

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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. Site Location



Entire work has been divided/ distributed in the following 3 packages.

- Package-I: Construction of 03 Nos. new STP's with Associated Infrastructure (Naini-II (42 MLD), Jhushi (16 MLD) & Phaphamau (14 MLD)). Setup rooftop Solar Power Plant of capacity 930kW (110kW at Phaphamau, 800kW at Naini-II and 20kW at Jhushi).
- Package II: Rehabilitate and Restore 02 Nos. STP's with Associated Infrastructure (Rajapur (60 MLD) & Naini-I (60+20 MLD)).
- Package III: Rehabilitate and Restore 04 Nos. STP's with Associated Infrastructure Numayadahi (50 MLD), Ponghat (10 MLD), Kodra (25 MLD) & Salori (29 MLD).

6. Project Components

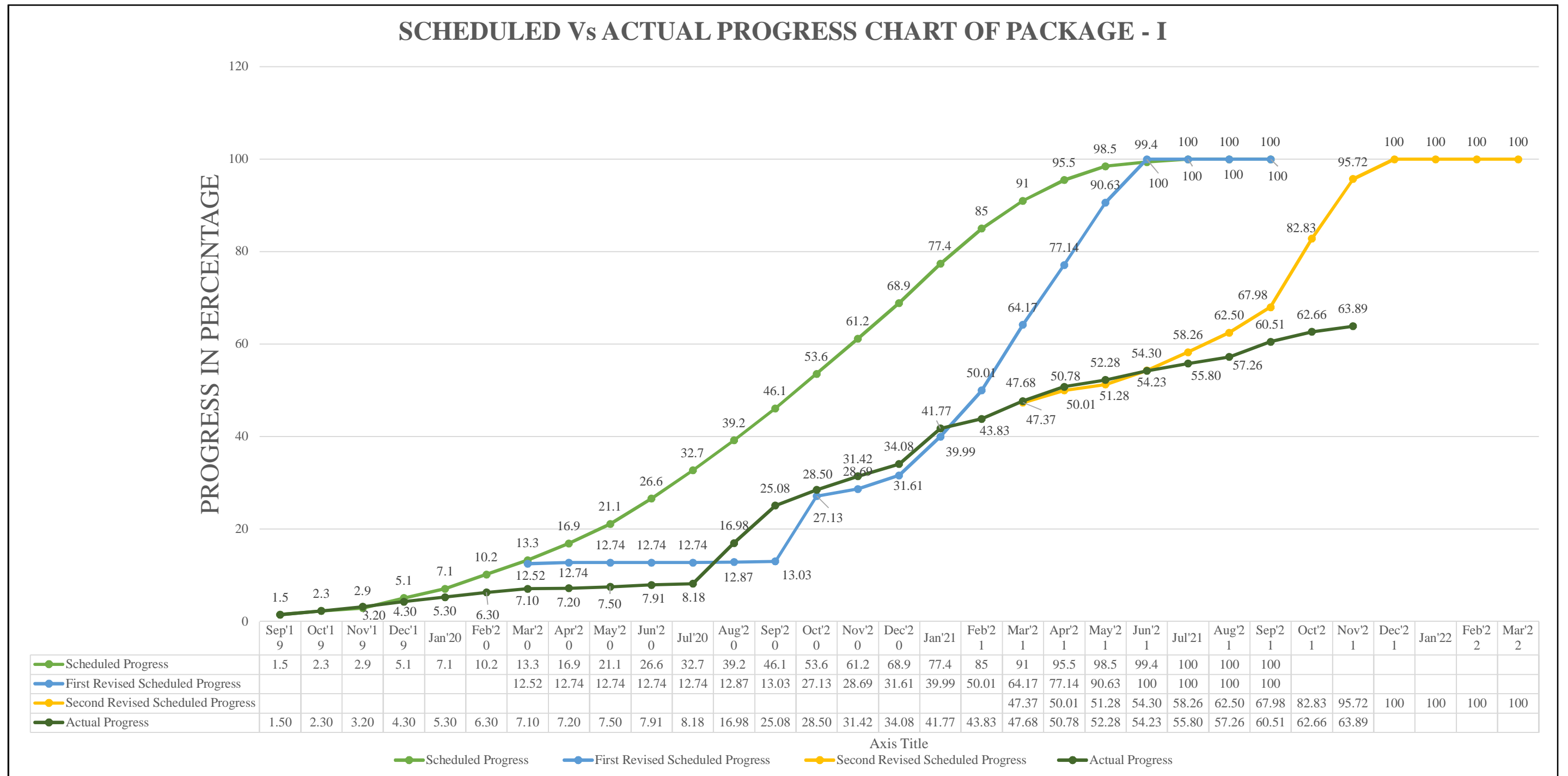
The Project components details of each Facility, their grouping in each Package is presented below

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 a nd Trunk Sewer	3 Nos. Of Tapping
3	Jhunsi Facilities	Jhunsi STP Facilities	Main Pumping Station	43.5 MLD
			Jhunsi STP	16 MLD
		Jhunsi Associated Infrastructure	Solar Power Plant	20 Kw
			Shastri Bridge SPS	16 MLD
			Nalla Tapping a nd 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

7.1.4 Overall Package-I Progress:



- Project Engineer has provided observation on Concessionaire November'21-month MPR vide letter number AIPL/NMCG/PRAYAG/1279 on dated 17.12.2021 Therefore, status may be change after observation incorporated by Concessionaire.

7.1.5 Physical Activities in November month

NEW CONSTRUCTION			
S. No.	Structure Description	Structure Qty.	Status
PACKAGE – I			
PHAPHAMAU STP			
1.	FCR tank	01 No.	<ul style="list-style-type: none"> 100% RCC Work Completed For Hydrotest water filling work is under progress.
2.	Staff Quarter	01 Nos	<ul style="list-style-type: none"> RCC of roof slab & brick work completed, plastering work under progress. Mumty Slab completed.
3.	MPS	01 No.	<ul style="list-style-type: none"> Casting upto 7th lift completed. 8th lift reinforcement and shuttering work is under progress. RCC of Raft of Inlet chamber is completed and 3rd lift wall is also completed. 4th Lift wall is under progress. Slab at level 84.9 m is completed.
4.	Tube Settler	01 No.	<ul style="list-style-type: none"> CCT Area: Tonner room brick work in progress. All other structural casting completed except top level slab. Sludge, holding tank portion: RCC work has been completed up to 4th wall lift out of 7th lift. 5th lift shuttering and steel binding is under progress.
5.	Process Building	01 No	<ul style="list-style-type: none"> 28 Nos. column upto 2nd lift casted above raft. Grit chamber portion PCC completed and RCC of raft is completed.
6.	Basna Nala SPS	01 No.	<ul style="list-style-type: none"> No work
NAINI – II STP			
7.	FCR tank	01 No.	<ul style="list-style-type: none"> Tank A – Water filling for Hydrotesting is Under progress Tank B – Overflow channel completed, Tie beam shuttering work in under progress.

8.	Tube Settler	01 No.	<ul style="list-style-type: none"> Tank A – CCT Sandwich slab Casting completed. baffle & outer wall 1st lift completed, Reinforcement & shuttering work under progress for 2nd wall lift. Tank B – 3 hoppers casting completed. Balance Hoppers shuttering work under progress in tube settler.
9.	Staff Quarter	01 No.	<ul style="list-style-type: none"> Mumty Slab completed, Brick work & plastering is in progress
10.	MPS	01 No.	<ul style="list-style-type: none"> 9th lift wall casting completed. 10th lift wall and slab reinforcement work under progress.
11.	Process Building	01 No	<ul style="list-style-type: none"> All Columns casting is completed up to level +88M Plinth Beam & Grade slab completed in grit chamber. 24 Columns casting completed up to +92.4M Back filling work completed up to bottom of the plinth beam
12.	Mahewaghat SPS	01 No.	<ul style="list-style-type: none"> 5th wall lift casting completed. 6th wall lift reinforcement work under progress.
13.	Mawaiya Nalla SPS	01 No.	<ul style="list-style-type: none"> Raft casting completed. 1st wall lift casting completed.
14.	Boundary Wall	01 No.	<ul style="list-style-type: none"> Work under progress
15.	DI Pipeline from Mahewaghat to Naini-II (300mm Dia.)	700 Rmt.	<ul style="list-style-type: none"> Total 688 M pipeline laid till date. No work in this month
16.	DI Pipeline from Mawaiya Nalla to Naini-II (800mm Dia.)	700 Rmt.	<ul style="list-style-type: none"> Total 687 M pipeline laid till date. No work in this month
17.	RCC 600 dia. From Mahewaghat to Naini-II	4490 RMT	<ul style="list-style-type: none"> No RCC pipe laying work in November month. Total 3360 Completed till date. Total 100-meter length, 1000 mm dia MS casing pipe pushing completed. No further work due to unavailability of 600mm dia RCC pipe.
18.			<ul style="list-style-type: none">

19.	RCC 1400 dia. From Mahewaghat to Naini-II	3050 RMT	<ul style="list-style-type: none"> 2488 m Laying work completed, No Work in this Month
20.	RCC 1600 mm Dia	880 RMT	<ul style="list-style-type: none"> 627 m Laying work completed, No work in this Month.
JHUNSI STP			
21.	FCR tank	01 No.	<ul style="list-style-type: none"> 100 % RCC work completed.
22.	Process Building	01 No	<ul style="list-style-type: none"> Column upto plinth beam has been completed.
23.	Tube Settler	01 No.	<ul style="list-style-type: none"> CCT Area: RCC work has been completed along with slab at level 91.2. Sludge, holding tank portion: RCC work has been completed upto 5th lift. 6th lift steel and shuttering is under progress.
24.	MPS	01 No.	<ul style="list-style-type: none"> RCC of Raft has been completed. Wall upto 2nd lift is completed and 3rd lift steel and shuttering is under progress.
25.	Security Cabin	01 No.	<ul style="list-style-type: none"> No work
26.	Staff Quarter	01 No.	<ul style="list-style-type: none"> Inside Plaster is in progress,

7.1.6 Physical Activities as per Construction plan:

Sr. No.	Work description	Scheduled Start Date	Schedule d End Date	Schedul ed Completion (In %)	Completi on up to previous month (In %) (A)	This month Completi on (In%) (B)	Total Completi on (In %) (A+B)
Erection Commissioning, Trial Run and COD of Phaphamau STP (14 MLD) & Associated works							
1.	Tree cutting work	01-01-20	31-01-20	100	100	0	100
2.	Dismantling of existing structure	01-01-20	31-01-20	100	100	0	100
3.	FCR tank unit	01-12-19	15-10-21				
4.	Excavation work	01-12-19	15-03-20	100	100	0	100
5.	Boulder filling work	15-03-20	10-05-20	100	100	0	100
6.	PCC work	01-10-20	09-10-20	100	100	0	100
7.	RCC upto completion	01-10-20	30-09-21	100	100	0	100
8.	Other Misc Works	09-01-21	30-09-21	100	0	0	0

Sr. No.	Work description	Scheduled Start Date	Schedule d End Date	Schedul ed Comple tion (In %)	Completi on up to previous month (In %) (A)	This month Completi on (In%) (B)	Total Completi on (In %) (A+B)
9.	Hydrotesting	01-10-21	15-10-21	100	0	0	0
10.	Tube settler, CCT & Sludge storage Tank	16-01-21	30-10-21				
11.	Earth work & Boulder filling work	16-01-21	28-02-21	100	100	0	100
12.	PCC work	01-02-21	28-02-21	100	100	0	100
13.	RCC upto completion	01-02-21	15-10-21	100	40	40	80
14.	Other Misc Works	01-10-21	15-10-21				
15.	Hydrotesting	15-10-21	30-10-21				
16.	Main Process Building	01-03-21	15-12-21				
17.	Excavation	01-03-21	03-07-21	100	100	0	100
18.	Rubble soling/ Stone filling work	03-07-21	10-07-21	100	75	25	100
19.	PCC	10-07-21	20-07-21	100	75	25	100
20.	Structure completion (Expect finishing works)	20--07-21	20-10-21	100	23	2	25
21.	Other Misc Works	15-10-21	15-12-21				
22.	Hydrotesting	21-10-21	31-10-21				
23.	Basana Nala SPS and I&D Works	09-01-21	15-11-21				
24.	Excavation work	09-01-21	15-10-21	100	5	0	5
25.	PCC	16-10-21	20-10-21	100	0	0	0
26.	RCC upto completion	20-10-21	09-11-21	100	0	0	0
27.	Hydrotesting	16-10-21	31-10-21	100	0	0	0
28.	Boundary wall	01-09-21	15-11-21	100	0	0	0
29.	Staff quarter	01-09-21	15-11-21	100	0	0	0
30.	Other Misc Works	01-10-21	15-11-21	100	0	0	0
31.	Shantipuram MPS and I&D Works	01-09-20	30-11-21				
32.	Excavation work	01-11-20	28-03-21	100	100	0	100
33.	PCC	28-03-21	30-03-21	100	100	0	100
34.	RCC work upto completion	01-04-21	15-10-21	100	50	12	62
35.	Other Misc Works	16-09-21	30-11-21	100	0	0	0
36.	Hydrotesting	16-11-21	30-11-21		0	0	0

Sr. No.	Work description	Scheduled Start Date	Scheduled End Date	Scheduled Completion (In %)	Completion up to previous month (In %) (A)	This month Completion (In%) (B)	Total Completion (In %) (A+B)
37.	Staff quarter	01-09-20	30-09-21	100	90	0	90
38.	Pipe laying (Rising Main & Gravity Main)	16-10-21	30-11-21				
39.	Rising main	16-10-21	30-11-21				
40.	Excavation, Laying & Jointing, Backfilling/ Restoration works	16-10-21	30-11-21	100	0	0	0
41.	Hydrotesting	21-11-21	30-11-21		0	0	0
42.	Gravity Main	16-10-21	30-11-21				
43.	Excavation, Laying & Jointing, Backfilling/ Restoration works	16-10-21	20-11-21	100	0	5	5
44.	Hydrotesting	20-11-21	30-11-21				
45.	Other works	01-01-20	15-12-21				
46.	Site office (Temporary office)	01-01-20	31-01-20	100	100	0	100
47.	Other misc works (Boundary Wall, Road, rainwater harvesting, Land scaping etc)	16-11-21	15-12-21				
48.	Mechanical Erection- STP unit	16-10-21	15-12-21				
49.	Pumps	01-11-21	15-12-21	0			
50.	Lamella clarifier/ Tube settler	16-10-21	15-12-21	2		0	0
51.	Grit removal system	16-10-21	15-12-21	5		0	0
52.	Blowers & Diffuser	16-10-21	15-12-21	2		0	0
53.	Firefighting System	16-11-21	15-12-21	0			
54.	Screens	01-11-21	15-12-21	0			
55.	Piping, Valves & Gates	01-11-21	15-12-21	0			
56.	Chlorination	20-10-21	15-12-21	0			
57.	Media Installation/ Bio module	01-11-21	15-12-21	0			
58.	Other misc. work	16-11-21	15-12-21	0			

Sr. No.	Work description	Scheduled Start Date	Schedule d End Date	Schedul ed Comple tion (In %)	Completi on up to previous month (In %) (A)	This month Completi on (In%) (B)	Total Completi on (In %) (A+B)
59.	Mechanical Erection- SPS & MPS	01-11-21	15-12-21				
60.	Pumps	01-11-21	15-12-21	0			
61.	Screens	01-11-21	15-12-21	0			
62.	Piping, Valves & Gates	01-11-21	15-12-21	0			
63.	Other misc. work	16-11-21	15-12-21	0			
64.	Electrical and C&I- STP Unit	16-10-21	15-12-21				
65.	Transformer Installation	01-11-21	15-12-21	0			
66.	HT/LT Panel erection	01-11-21	15-12-21	0			
67.	Instrumentation works	16-10-21	15-12-21	15		0	0
68.	CCTV	16-11-21	15-12-21	0			
69.	Cable Laying	16-10-21	15-12-21	10		0	0
70.	PLC Panel & Online monitoring system	16-10-21	15-12-21	5		0	0
71.	Solar Panel	01-11-21	15-12-21	0			
72.	DG Installation	16-11-21	15-12-21	0			
73.	Other misc. work	16-11-21	15-12-21	0			
74.	Electrical and C&I- SPS & MPS	01-10-21	15-12-21				
75.	Transformer Installation	01-11-21	15-12-21	0			
76.	HT/LT Panel Erection	01-10-21	15-12-21	10		0	0
77.	CABLE LAYING	01-11-21	15-12-21	0			
78.	DG Installation	16-11-21	15-12-21	0			
79.	PLC Panel & Online monitoring system	16-10-21	15-12-21	10		0	0
80.	Other misc. work	16-11-21	15-12-21	0			
81.	Commissioning of Mech., Electrical and C&I	01-12-21	15-12-21	0			
82.	Trial Run, Final Inspection and COD	16-12-21	15-03-22				
83.	Trial Run and Final Inspection	16-12-21	14-03-22	0			
84.	COD	14-03-22	15-03-22	0			

Sr. No.	Work description	Scheduled Start Date	Scheduled End Date	Scheduled Completion (In %)	Completion up to previous month (In %) (A)	This month Completion (In%) (B)	Total Completion (In %) (A+B)
85.	Erection Commissioning, Trial Run and COD of Naini-II (42 MLD) & Associated works						
86.	Removal of shrubs	01-01-20	28-02-20	100	100	0	100
87.	FCR tank unit	01-02-20	30-10-21				
88.	Excavation work	01-02-20	15-03-20	100	100	0	100
89.	Boulder filling work	26-10-20	30-11-20	100	100	0	100
90.	PCC work	01-11-20	30-11-20	100	100	0	100
91.	RCC work upto completion	01-12-20	15-10-21	100	96	0	96
92.	Other Misc Works	01-09-21	30-09-21				
93.	Hydrotesting	15-10-21	30-10-21				
94.	Tube settler, CCT & Sludge storage Tank	16-01-21	31-10-21				
95.	Earth work & Boulder filling work	16-01-21	22-01-21	100	100	0	100
96.	PCC work	19-01-21	31-01-21	100	100	0	100
97.	RCC work upto completion	01-03-21	20-10-21	100	37	5	42
98.	Other Misc Works	16-09-21	31-10-21		0	0	0
99.	Hydrotesting	20-10-21	31-10-21		0	0	0
100.	Main Process Building	01-02-21	28-11-21				
101.	Excavation	01-02-21	31-05-21	100	100	0	100
102.	Rubble soling/ Stone filling work	01-07-21	31-07-21	100	100	0	100
103.	PCC	01-07-21	31-07-21	100	100	0	100
104.	Structure completion (Expect finishing works)	01-05-21	20-10-21	100	37	9	46
105.	Other Misc Works	06-10-21	28-11-21	100			
106.	Hydrotesting	20-10-21	31-10-21	100			
107.	Mawaiya SPS and I&D work	01-02-21	15-11-21				
108.	Excavation work	01-02-21	28-02-21	100	100	0	100
109.	PCC	01-05-21	15-06-21	100	100	0	100

Sr. No.	Work description	Scheduled Start Date	Scheduled End Date	Scheduled Completion (In %)	Completion up to previous month (In %) (A)	This month Completion (In%) (B)	Total Completion (In %) (A+B)
110.	RCC WORK upto completion	15-05-21	20-10-21	100	25	10	35
111.	Hydrotesting	20-10-21	31-10-21	100			
112.	Boundary wall	01-09-21	31-10-21	100			
113.	Staff quarter	01-09-21	31-10-21	100			
114.	I&D Other misc works	01-09-21	15-11-21	100			
115.	Mahewaghat SPS and I&D work	01-01-21	31-10-21				
116.	Excavation work	01-01-21	15-04-21	100	100	0	100
117.	PCC	01-01-21	15-04-21	100	100	0	100
118.	RCC Work upto completion	30-05-21	20-10-21	100	40	7	47
119.	Other finishing work	01-10-21	31-10-21	100	0	0	0
120.	Hydrotesting	20-10-21	31-10-21	100	0	0	0
121.	Boundary wall	01-09-21	31-10-21	100	0	0	0
122.	Staff quarter	01-09-21	31-10-21	100	0	0	0
123.	I&D Other misc works	01-09-21	31-10-21	100	0	0	0
124.	Naini-II MPS and I&D work	26-10-20	15-11-21				
125.	Excavation work	16-01-21	25-04-21	100	100	0	100
126.	PCC	16-01-21	25-04-21	100	100	0	100
127.	RCC Work upto completion	01-05-21	25-10-21	100	35	25	60
128.	Other finishing work	01-09-21	15-11-21	100	0	0	0
129.	Hydrotesting	20-10-21	31-10-21	100	0	0	0
130.	Staff quarter	26-10-20	31-10-21	100	90	0	90
131.	I&D Other misc works	16-10-21	31-10-21	100	0	0	0
132.	Pipe laying (Rising Main & Gravity Main)	16-01-21	31-10-21				
133.	Rising main	16-01-21	30-10-21				
134.	Excavation, Laying & Jointing, Backfilling/ Restoration works	16-01-21	20-09-21	100	90	0	90
135.	Hydrotesting	01-10-21	30-10-21	100	0	0	0

Sr. No.	Work description	Scheduled Start Date	Scheduled End Date	Scheduled Completion (In %)	Completion up to previous month (In %) (A)	This month Completion (In%) (B)	Total Completion (In %) (A+B)
136.	Gravity Main	01-03-21	31-10-21				
137.	Excavation, Laying & Jointing, Backfilling/ Restoration works	01-03-21	21-10-21	100	77	3	80
138.	Hydrotesting	21-10-21	31-10-21	100			
139.	Other works	01-01-20	15-10-21				
140.	Site office (Temporary office)	01-01-20	31-01-21	100	100	0	100
141.	Other misc works (Boundary Wall, Road, rain water harvesting, Land scaping etc)	01-03-20	15-10-21	100	75	0	75
142.	Mechanical Erection-STP unit	16-10-21	10-12-21				
143.	Pumps	16-10-21	25-11-21	100		0	0
144.	Lamella clarifier/ Tube settler	16-10-21	29-11-21	100		0	0
145.	Grit removal system	16-10-21	29-11-21	100		0	0
146.	Piping, Valves & Gates	16-10-21	29-11-21	100		0	0
147.	Firefighting System	16-11-21	30-11-21	100			
148.	Chlorination	16-10-21	29-11-21	100		0	0
149.	Blowers & Diffuser	16-10-21	29-11-21	100		0	0
150.	screens	16-10-21	29-11-21	100		0	0
151.	Media Installation/ Bio module	16-10-21	30-11-21	100		0	0
152.	Other misc. work	16-11-21	10-12-21				
153.	Mechanical Erection-SPS & MPS	16-10-21	15-12-21				
154.	Pumps	16-10-21	15-12-21	5		0	0
155.	Screens	16-10-21	15-12-21	5		0	0
156.	Piping, Valves & Gates	16-10-21	15-12-21	5		0	0
157.	Other misc. work	16-11-21	15-12-21	0			
158.	Electrical and C&I-STP Unit	16-10-21	15-12-21				

Sr. No.	Work description	Scheduled Start Date	Scheduled End Date	Scheduled Completion (In %)	Completion up to previous month (In %) (A)	This month Completion (In%) (B)	Total Completion (In %) (A+B)
159.	Transformer Installation	16-11-21	15-12-21	0			
160.	HT/LT panel erection	01-11-21	15-12-21	0			
161.	PLC Panel & Online monitoring system	16-10-21	15-12-21	15		0	0
162.	Instrumentation works	16-10-21	15-12-21	15		0	0
163.	CCTV	16-11-21	15-12-21	0			
164.	CABLE LAYING	16-10-21	15-12-21	15		0	0
165.	Solar Panel	01-11-21	15-12-21	0			
166.	Other misc. work	01-12-21	15-12-21	0			
167.	Electrical and C&I-SPS & MPS	16-10-21	15-12-21				
168.	Transformer Installation	01-11-21	15-12-21	0			
169.	HT/LT panel erection	16-10-21	15-12-21	5		0	0
170.	CABLE LAYING	16-10-21	15-12-21	5		0	0
171.	DG Installation	16-11-21	15-12-21	0			
172.	PLC Panel & Online monitoring system	16-10-21	15-12-21	5		0	0
173.	Other misc. work	16-11-21	15-12-21	0			
174.	Commissioning of Mech., Electrical and C&I	01-12-21	15-12-21	0			
175.	Trial Run, Final Inspection and COD	16-12-21	15-03-22				
176.	Trial Run and Final Inspection	16-12-21	14-03-22	0			
177.	COD	14-03-22	15-03-22	0			
178.	Erection Commissioning, Trial Run and COD of Jhunsi STP (16 MLD) & Associated works						
179.	FCR tank unit	01-10-2020	15-11-21				
180.	Excavation work	01-10-20	25-10-20	100	100	0	100
181.	Boulder filling work	26-10-20	29-10-20	100	100	0	100
182.	PCC work	30-10-20	30-10-20	100	100	0	100
183.	RCC upto completion	31-10-20	15-10-21	100	100	0	100
184.	Other finishing work	16-09-21	15-11-21	100	0	0	0


Sr. No.	Work description	Scheduled Start Date	Scheduled End Date	Scheduled Completion (In %)	Completion up to previous month (In %) (A)	This month Completion (In%) (B)	Total Completion (In %) (A+B)
185.	Hydrotesting	01-10-21	15-10-21	100			
186.	Tube settler, CCT & Sludge storage Tank	01-01-21	15-12-21				
187.	Earth work & Boulder filling work	01-01-21	15-02-21	100	100	0	100
188.	PCC work	16-02-21	28-02-21	100	100	0	100
189.	RCC upto completion	01-03-21	15-11-21	100	60	20	80
190.	Other finishing work	16-10-21	15-12-21				
191.	Hydrotesting	21-10-21	31-10-21	100			
192.	Main Process Building	01-06-21	15-12-21				
193.	Excavation & Column	01-06-21	16-06-21	100	100	0	100
194.	Rubble soling/ Stone filling work	16-06-21	26-06-21	100	100	0	100
195.	PCC	26-06-21	30-06-21	100	100	0	100
196.	Structure completion (Expect finishing works)	01-06-21	24-10-21	100	37	8	45
197.	Other finishing work	01-09-21	15-12-21				
198.	Hydrotesting	24-10-21	31-10-21				
199.	Shastri bridge SPS and I&D work	01-09-21	15-12-21				
200.	Excavation work	01-09-21	30-09-21	100			
201.	PCC	01-09-21	30-09-21	100			
202.	RCC upto completion	01-09-21	20-10-21	100			
203.	Other finishing work	30-10-21	15-12-21				
204.	Hydrotesting	16-10-21	29-10-21				
205.	Boundary wall	01-09-21	15-12-21				
206.	Staff quarter	01-09-21	21-11-21				
207.	Other Misc works	10-12-21	15-12-21	100	0	0	0
208.	Jhansi MPS and I&D work	01-09-20	30-11-21				
209.	Excavation work	01-08-21	30-06-21	100	100	0	100
210.	PCC	01-09-21	07-09-21	100	100	0	100
211.	RCC upto completion	07-09-21	20-10-21	100	0	40	40
212.	Other finishing work	01-10-21	31-10-21				

Sr. No.	Work description	Scheduled Start Date	Scheduled End Date	Scheduled Completion (In %)	Completion up to previous month (In %) (A)	This month Completion (In%) (B)	Total Completion (In %) (A+B)
213.	Hydrotesting	21-10-21	31-10-21				
214.	Staff quarter	01-09-20	30-09-21	100	90	0	90
215.	Other Misc works	16-11-21	30-11-21				
216.	Pipe laying (Rising Main & Gravity Main)	16-09-21	15-11-21				
217.	Rising main	01-09-21	31-10-21				
218.	Excavation, Laying & Jointing, Backfilling/ Restoration works	01-09-21	15-10-21	100	10	0	10
219.	Hydrotesting	16-10-21	31-10-21	100	0	0	0
220.	Gravity Main	01-09-21	15-11-21				
221.	Excavation, Laying & Jointing, Backfilling/ Restoration works	16-09-21	31-10-21	100	0	0	0
222.	Hydrotesting	01-11-21	15-11-21	100	0	0	0
223.	Other works	01-02-20	15-12-21				
224.	Site office (Temporary office)	01-02-20	30-04-20	100	100	0	100
225.	Other misc works (Boundary Wall, Road, rain water harvesting, Land scaping etc)	16-10-21	15-12-21	100	0	0	0
226.	Mechanical Erection- STP unit	01-11-21	15-12-21				
227.	Pumps	01-11-21	15-12-21	0			
228.	Lamella clarifier/ Tube settler	01-11-21	15-12-21	0			
229.	Fire fighting System	16-11-21	15-12-21	0			
230.	Chlorination	01-11-21	15-12-21	0			
231.	Grit removal system	01-11-21	15-12-21	0			
232.	Blowers & Diffuser	01-11-21	15-12-21	0			
233.	Screens	01-11-21	15-12-21	0			
234.	Piping, Valves & Gates	01-11-21	15-12-21	0			

Sr. No.	Work description	Scheduled Start Date	Scheduled End Date	Scheduled Completion (In %)	Completion up to previous month (In %) (A)	This month Completion (In%) (B)	Total Completion (In %) (A+B)
235.	Media Installation/ Bio module	01-11-21	15-12-21	0			
236.	Other misc. work	16-11-21	15-12-21	0			
237.	Mechanical Erection- SPS & MPS	16-10-21	15-12-21				
238.	Pumps	16-10-21	15-12-21	5		0	0
239.	Screens	01-11-21	11-12-21	0			
240.	Piping, Valves & Gates	01-11-21	15-12-21	0			
241.	Other misc. work	16-11-21	15-12-21	0			
242.	Electrical and C&I- STP Unit	01-11-21	15-12-21				
243.	Transformer Installation	16-11-21	13-12-21	0			
244.	HT/LT panel erection	01-11-21	15-12-21	0			
245.	PLC Panel & Online monitoring system	01-11-21	15-12-21	0			
246.	Instrumentation works	01-11-21	15-12-21	0			
247.	CCTV	01-11-21	10-12-21	0			
248.	Cable laying	01-11-21	15-12-21	0			
249.	DG Installation	01-11-21	10-12-21	0			
250.	Solar Panel	01-11-21	15-12-21	0			
251.	Other misc. work	16-11-21	15-12-21	0			
252.	Electrical and C&I- SPS & MPS	16-10-21	15-12-21				
253.	Transformer Installation	01-11-21	13-12-21	0			
254.	HT/LT Panel erection	01-11-21	15-12-21	0			
255.	Cable laying	01-11-21	15-12-21	0			
256.	DG Installation	01-11-21	10-12-21	0			
257.	PLC Panel & Online monitoring system	16-10-21	15-12-21	50		0	0
258.	Other misc. work	16-11-21	15-12-21	0			
259.	Commissioning of Mech., Electrical and C&I	16-10-21	15-12-21	20		0	0
260.	Trial Run, Final Inspection and COD	15-12-21	15-03-22				

Sr. No.	Work description	Scheduled Start Date	Scheduled End Date	Scheduled Completion (In %)	Completion up to previous month (In %) (A)	This month Completion (In%) (B)	Total Completion (In %) (A+B)
261.	Trial Run and Final Inspection	15-12-21	14-03-22	0			
262.	COD	14-03-22	15-03-22	0			

7.2 Package-II status



OFFICE OF THE GENERAL MANAGER,
कार्यालय महाप्रबन्धक,
GANGA POLLUTION CONTROL UNIT,
गंगा प्रदूषण नियंत्रण इकाई,
U.P. JAL NIGAM, PRAYAGRAJ
उ० प्र० जल निगम, प्रयागराज
Email- gmganga.allahabad@gmail.com
Dated: 20/ 09 / 2021

Letter no. 2484 /PWPL (Adani) / 496

To,

General Manger-Project
M/s. Prayagraj Water Private Limited,
"Adani House", 56, Shrimali Society,
Near Mithakhall Six Road,
Navrangpura, Ahmedabad 380006
Gujarat, India.

Name of Work: Development and Rehabilitation of Sewage Treatment Plants and Associated Infrastructure under Hybrid Annuity Based PPP Mode at Prayagraj, Uttar Pradesh.

Sub:- Concession Agreement no. 31/GM/2018-19:Issuance of Commercial Operations Date of Package-II.

Ref :- 1. Our office Letter No 2474/PWPL(Adani)/486 dated 18.09.2021
2. Our office Letter No. 2483/PWPL(Adani)/495 dated 20.09.2021

Sir,

With reference to the above mentioned subject, it is to be noted that we have issued the 4th Milestone completion certificate vide Letter No. 2474/PWPL(Adani)/486 dated 18.09.2021 & Rehabilitation Completion Certificate vide Letter No. 2483/PWPL(Adani)/495 dated 20.09.2021 after the detailed assessment of the documents provided by the concessionaire.

In view of the same, we are hereby issuing the COD certificate to the concessionaire. Details of the same is mentioned below-

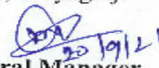
Sl. No.	Description	Commercial Operations Date (COD)
1	Rehabilitation works under Pkg-II	01.06.2021

(M.C. Srivastava)
General Manager

End No & date: As above.

Copy to following for information and necessary action

- 1- Executive Director(Projects), NMCG, New Delhi.
- 2- Chief Engineer (Ganga), U.P. Jal Nigam Lucknow.
- 3- Chief Engineer (Prayagraj Zone), U.P. Jal Nigam, Prayagraj.
- 4- Mr. Rajat Gupta, Sr. Specialist, NMCG, New Delhi.
- 5- Project Manager (I/E&M), Ganga Pollution Control Unit, U.P. Jal Nigam, Prayagraj.
- 6- AECOM India Pvt. Ltd. (Project Engineer), Gurgaon.


General Manager

Commercial Operations Date was announced on 01.06.2021 vide letter no. 2484/PWPL (Adani)/496

7.3 Package-III status



OFFICE OF THE GENERAL MANAGER,
कार्यालय महाप्रबन्धक,
GANGA POLLUTION CONTROL UNIT,
गंगा प्रदूषण नियंत्रण इकाई,
U.P. JAL NIGAM, PRAYAGRAJ
उ० प्र० जल निगम प्रयागराज,
दूरभाष : 0532-2684329, 2684891, फैक्स 0532-2684896
Dated: 02/11/2020

Letter No. 2336/PWPL(Adani)/423

To,

M/s. Prayagraj Water Private Limited,
"Adani House", 56, Shrimali Society,
Near Mithakhall Six Road,
Navrangpura, Ahmedabad-380006
Gujrat, India.

Name of Work: Development and Rehabilitation of Sewage Treatment Plants and Associated Infrastructure under Hybrid Annuity Based PPP Mode at Prayagraj, Uttar Pradesh.

Subject: **Concession Agreement no. 31/GM/2018-19:** Issuance of Commercial Operations Date of Package-III.

Sir,

With reference to the above mentioned subject, it is to be noted that we have issued the 2nd Milestone completion certificate vide Letter No. 2328/PWPL(Adani)/415 dated 31.10.2020 & Rehabilitation Completion Certificate vide Letter No. 2330/PWPL(Adani)/417 dated 31.10.2020 and LD Waiver Letter No. 2331/PWPL(Adani)/418 dated 31.10.2020 after the detailed assessment of the documents provided by the concessionaire.

In view of the same, we are hereby issuing the COD certificate to the concessionaire. Details of the same is mentioned below-

Sl. No.	Description	COD Commencement Date
1	Rehabilitation works under Pkg-III	01.11.2020

Yours faithfully


General Manager

Endt No. & and date as above:

Copy to following:

- 1- E.D.(Projects), NMCG, New Delhi.
- 2- MD, UPJN Lucknow.
- 3- Chief Engineer (Ganga), U.P. Jal Nigam Lucknow.
- 4- Chief Engineer (Prayagraj Zone), U.P. Jal Nigam Prayagraj.
- 5- Shri. Madav Kumar, Sr. Economics and Financial Expert, NMCG, New Delhi.
- 6- Project Manager (I/E&M), GPCU, U.P. Jal Nigam Prayagraj.
- 7- AECOM India Pvt. Ltd. (Project Engineer), Gurgaon.

Commercial Operations Date was announced on 02.11.2020 vide letter no. 2336/PWPL (Adani)/423

8. 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' 2021.

Sr. No.	Site Visit & Meeting with UPJN / NMCG / PWPL	Date	Attendees	Description
1.	Site inspection of Naini-II STP	1-Nov-21	Mr. Nishant Bagde	Inspection, supervision and monitoring of ongoing Civil activities
2.	Site inspection of Jhunsi STP	1-Nov-21	Mr. Abhishek Singh	Inspection, supervision and monitoring of ongoing Civil activities
3.	Site inspection of Rajapur	1-Nov-21	Mr. Gaurav Gupta	Inspection, supervision and monitoring of ongoing E&M activities and operation and maintenance of plant
4.	Site inspection of Naini-II STP	2-Nov-21	Mr. Amit Ranjan	Inspection, supervision and monitoring of ongoing Civil activities
5.	Site inspection of Phaphamau STP	8-Nov-21	Mr. Wahab Alam	Inspection, supervision and monitoring of ongoing Civil activities
6.	Site inspection of Naini-II STP	12-Nov-21	Mr. Nishant Bagde	Inspection, supervision and monitoring of ongoing Civil activities
7.	Site inspection of Phaphamau STP	13-Nov-21	Mr. Wahab Alam	Inspection, supervision and monitoring of ongoing Civil activities
8.	Site inspection of Rajapur STP	14-Nov-21	Mr. Sudhir Tomar	Inspection, supervision and monitoring of ongoing E&M activities and operation and maintenance of plant
9.	Site inspection of Rajapur STP	15-Nov-21	Mr. Sudhir Tomar	Inspection, supervision and monitoring of ongoing E&M activities and operation and maintenance of plant
10.	Site inspection of Jhunsi STP	16-Nov-21	Mr. Abhishek Singh	Inspection, supervision and monitoring of ongoing Civil activities
11.	Site inspection of Rajapur STP	17-Nov-21	Mr. Sudhir Tomar	Inspection, supervision and monitoring of ongoing E&M activities and operation and maintenance of plant

Sr. No.	Site Visit & Meeting with UPJN / NMCG / PWPL	Date	Attendees	Description
12	Site inspection of Naini-I STP	17-Nov-21	Mr. Gaurav Gupta	Inspection, supervision and monitoring of ongoing E&M activities and operation and maintenance of plant
13	Site inspection of Naini-II STP	18-Nov-21	Mr. Amit Ranjan	Inspection, supervision and monitoring of ongoing Civil activities
14	Site inspection of Phaphamau STP	20-Nov-21	Mr. Nishant Bagde	Inspection, supervision and monitoring of ongoing Civil activities
15	Site inspection of Phaphamau	26-Nov-21	Mr. Wahab Alam	Inspection, supervision and monitoring of ongoing Civil activities
16	Site inspection of Naini-I STP	27-Nov-21	Mr. Gaurav Gupta	Inspection, supervision and monitoring of ongoing E&M activities and operation and maintenance of plant
17	Site inspection of Jhunsi STP	27-Nov-21	Mr. Abhishek Singh	Inspection, supervision and monitoring of ongoing Civil activities
18	Site inspection of Jhunsi STP	30-Nov-21	Mr. Amit Ranjan	Inspection, supervision and monitoring of ongoing Civil activities

11. Outward Register

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

Sr. No.	PE Transmittal/ Ref No	Description	Outward Date	To (Organization)	Copies To
1.	<u>AIPL/NMCG/PRAYAG/1234</u>	Observation on Outfall piping drawing for Phaphamau STP - Package-I	1-Nov-2021	The General Manager, Ganga Pollution Control Unit	1. NMCG, 2. E&M-2 Circle-UPJN 3. PM-I &-UPJN 4. E.E-2 Circel-UPJN 5. M/s PWPL, Prayagraj
2.	<u>AIPL/NMCG/PRAYAG/1235</u>	Observation on Sluice Gate Datasheet_ Shantipuram_Basna_PKG I	8-Nov-2021	The General Manager, Ganga Pollution Control Unit	1. NMCG, 2. E&M-2 Circle-UPJN 3. PM-I &-UPJN 4. E.E-2 Circel-UPJN 5. M/s PWPL, Prayagraj
3.	<u>AIPL/NMCG/PRAYAG/1236</u>	Observation on Gate Documents_ STP_ Prayagraj_ Package I	8-Nov-2021	The General Manager, Ganga Pollution Control Unit	1. NMCG, 2. E&M-2 Circle-UPJN 3. PM-I &-UPJN 4. E.E-2 Circel-UPJN 5. M/s PWPL, Prayagraj
4.	<u>AIPL/NMCG/PRAYAG/1239</u>	Observation on Civil Drawing for Tube settler at Phaphamau STP	13-Nov-2021	The General Manager, Ganga Pollution Control Unit	1. NMCG, 2. E&M-2 Circle-UPJN 3. PM-I &-UPJN 4. E.E-2 Circel-UPJN 5. M/s PWPL, Prayagraj
5.	<u>AIPL/NMCG/PRAYAG/1240</u>	Observation on Interception & Diversion Sluice Gate Datasheet & GAD	13-Nov-2021	The General Manager, Ganga Pollution Control Unit	1. NMCG, 2. E&M-2 Circle-UPJN 3. PM-I &-UPJN 4. E.E-2 Circel-

Sr. No.	PE Transmittal/ Ref No	Description	Outward Date	To (Organization)	Copies To
					UPJN 5. M/s PWPL, Prayagraj
6.	<u>AIPL/NMCG/PRAYAG/1252</u>	Observation on Manhole Drawing- Vehicular Load/ Traffic	23-Nov-2021	The General Manager, Ganga Pollution Control Unit	1. NMCG, 2. E&M-2 Circle-UPJN 3. PM-I &-UPJN 4. E.E-2 Circel-UPJN 5. M/s PWPL, Prayagraj
7.	<u>AIPL/NMCG/PRAYAG/1254</u>	Observation on Civil Drawing for Tube Settler Naini-II	24-Nov-2021	The General Manager, Ganga Pollution Control Unit	1. NMCG, 2. E&M-2 Circle-UPJN 3. PM-I &-UPJN 4. E.E-2 Circel-UPJN 5. M/s PWPL, Prayagraj
8.	<u>AIPL/NMCG/PRAYAG/1256</u>	Observation on Reinforcement details Valve chamber pit, Parshall flume and Staircase to Tube settler tank	28-Nov-2021	The General Manager, Ganga Pollution Control Unit	1. NMCG, 2. E&M-2 Circle-UPJN 3. PM-I &-UPJN 4. E.E-2 Circel-UPJN 5. M/s PWPL, Prayagraj
9.	<u>AIPL/NMCG/PRAYAG/1257</u>	Observation on Naini II Process Building Civil Drawings	28-Nov-2021	The General Manager, Ganga Pollution Control Unit	1. NMCG, 2. E&M-2 Circle-UPJN 3. PM-I &-UPJN 4. E.E-2 Circel-UPJN 5. M/s PWPL, Prayagraj

12. Inward Register

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

Sr. No.	PWPL Transmittal reference number	Description	Date	From
1.	PWPL/UPJN/PMCG/406/21	Submission of Non clog submersible pumps - Documents - Package-I	9-Nov-21	Prayagraj water private limited
2.	PWPL/UPJN/PMCG/407/21	Submission of Cost variation statement Naini-II STP facility	9-Nov-21	Prayagraj water private limited
3.	PWPL/UPJN/PMCG/408/21	Submission of Aftercoolers STP - Package-I	11-Nov-21	Prayagraj water private limited
4.	PWPL/UPJN/PMCG/409/21	Submission of Naini II STP Outfall piping drawing - Package-I	13-Nov-21	Prayagraj water private limited
5.	PWPL/UPJN/PMCG/410/21	Submission of Naini II Process Building Civil Drawings - Package-I	13-Nov-21	Prayagraj water private limited
6.	PWPL/UPJN/PMCG/411/21	Submission of Naini II STP Outfall piping drawing_final - Pkg-I	16-Nov-21	Prayagraj water private limited
7.	PWPL/UPJN/PMCG/412/21	Submission of Mahewaghat nala I & D GAD and calculation_Trash screen	16-Nov-21	Prayagraj water private limited
8.	PWPL/UPJN/PMCG/413/21	Submission of Reinforcement details Valve chamber pit, Parshall flume and Staircase to Tube settler tank	17-Nov-21	Prayagraj water private limited
9.	PWPL/UPJN/PMCG/414/21	Interception & Diversion Sluice Gate Datasheet & GAD	23-Nov-21	Prayagraj water private limited
10.	PWPL/UPJN/PMCG/417/21	Submission of revised GA Drawings for Mahewaghat SPS_Revised 25.11.21	26-Nov-21	Prayagraj water private limited
11.	PWPL/UPJN/PMCG/418/21	Submission of Distribution Transformer documents for Pkg I	30-Nov-21	Prayagraj water private limited

13. EHS targets, Achievement & compliance report for the month of October' 2021

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%	

14. Status of statutory permits:

Sr. No.	Applicable Permit	Authority	Quantity	Remarks
	Phaphamau Facility (Package - I)			
1	Power connection (During commissioning Period)	Electricity Board	2 No.	Under process towards filing the application. Will be applied before commissioning stage. Location: - 1. At Phaphmau STP 2. At Basna Nalla SPS
2	Consent to Establish	State Pollution Control Board (SPCB)	1 No.	Received
3	Tree cutting	Forest Department	88 No.	Received NOC From Forest Dept for Cutting 88 Nos. of trees.
4	Road cutting & crossing	Public Works Department	NA	Not Required
5	Railway Crossing	Commissioner Railway Safety	NA	Not Required
6	National Highway cutting & crossing	National Highway Authority of India	1 No.	1. License fee & BG amount of 6.67 Cr. & 3.26 Lacs respectively deposited by UPJN to NH authority on 9th Jul'21. 2. Revised estimate charges against road restoration & maintenance charges

Sr. No.	Applicable Permit	Authority	Quantity	Remarks
				of Rs 9.32 Cr received by UPJN from NH vide Letter-1115/NH-96/330 dated 5th Aug'21. 3. Letter sent to ED-Project for release of fund vide letter No.2044/PWPL(Adani)/414 Dated 11th Aug'21. 4. Letter written to ED- by UPJN regarding payment of license fee. (2576/PWPL(Adani)/508.
7	Revenue Road cutting & crossing	Panchayat/Local Authority	NA	Not Required
8	Obtaining No Objection Certificate for various sewerage facilities under the ULB for handing them over to JN	ULB/District Administration	NA	Not Required
9	Construction of Weirs/pipeline crossings	Irrigation department/ULB	2 No.	Under process towards filing the application, Construction of 2 no. of Weir at; 1. Basna Nalla Drain Tapping 2. Shantipuram Nalla Tapping
10	Approach Road to new Facilities	Forest Department/ Panchayat/Local Authority/Irrigation Department	NA	Not Required
11	Consent to operate for Existing Facilities	ULB and SPCB	1 No.	Will be processed during commissioning stage.
Naini-II Facility (Package - I)				
1	Power connection (During commissioning Period)	Electricity Board	3 No.	Under process towards filing the application. Will be applied before commissioning stage. Location: - 1. At Naini-II STP 2. At Mahewaghat SPS 3. At Mawaiya SPS
2	Consent to Establish	State Pollution	1 No.	Received

Sr. No.	Applicable Permit	Authority	Quantity	Remarks
		Control Board (SPCB)		
3	Tree cutting	Forest Department	-	Under process towards filing the application. Finalized for laying of trunk sewer line route alignment is under progress.
4	Road cutting & crossing	Public Works Department	1 No.	Already applied on dated 19.10.2020 for STP main line. NOC received from Mahewaghat SPS to Naini-II MPS on 08th Dec'2020.
5	Railway Crossing	Commissioner Railway Safety	1 No.	Permission received from railway vide letter No 86-W/KM/821/L-PRYJ-NYN DATED 16 th July 2021'
6	National Highway cutting & crossing	National Highway Authority of India	NA	NA
7	Revenue Road cutting & crossing	Panchayat/Local Authority	1 No.	Under process towards filing the application to concern authority.
8	Obtaining No Objection Certificate for various sewerage facilities under the ULB for handing them over to JN	ULB/District Administration	NA	Not Required
9	Construction of Weirs/pipeline crossings	Irrigation department/ULB	6 No.	Under process towards filing the application, Construction of Weir at 6 nos. Drains. Location: - 1. Mawaiya Drain 2. Sachcha Baba Aashram Drain Tapping 3. Kharkhauni Drain 4. Mahewaghat Nalla-1 5. Mahewaghat Nalla-2 6. Mahewaghat Nalla-3
10	Approach Road to new Facilities	Forest Department/ Panchayat/Local Authority/Irrig	NA	Not Required

Sr. No.	Applicable Permit	Authority	Quantity	Remarks
		ation Department		
11	Consent to operate for Existing Facilities	ULB and SPCB	1 No.	Will be processed during commissioning stage
	Jhunsi Facility (Package - I)			
1	Power connection (During commissioning Period)	Electricity Board	2 No.	Under process towards filing the application. Will be applied before commissioning stage. Location: - 1. Jhunsi STP 2. Shastri Bridge SPS
2	Consent to Establish	State Pollution Control Board (SPCB)	1 No.	Received
3	Tree cutting	Forest Department	NA	Not Required
4	Road cutting & crossing	Public Works Department	1 No.	Under process towards filing the application to concern authority. Location: - Trivenipuram ADA Colony colony to Shastri Bridge SPS
5	Railway Crossing	Commissioner Railway Safety	1 No.	UPJN Received letter from DRM-Varanasi Office (Letter No: W/98-13/2020/71/W-2 Dated 19th Jul'21) for payment of railway charges. In this Context, GM-UPJN has sent letter to ED Project, New Delhi for deposition of same. Permit will be received once amount is deposited with DRM-Varanasi.
6	National Highway cutting & crossing	National Highway	1 No.	Under process towards filing the application to concern authority. Location: - Underpass Shastri Bridge
7	Revenue Road cutting & crossing	Panchayat/Local Authority	1 No.	Under process towards filing the application to concern authority. Location: - Shastri Bridge SPS to Jhunsi MPS
8	Obtaining No Objection Certificate for various sewerage facilities under the ULB for	ULB/District Administration	NA	Not Required

Sr. No.	Applicable Permit	Authority	Quantity	Remarks
	handing them over to UPJN			
9	Construction of Weirs/pipeline crossings	Irrigation department/ULB	13 No	Under process towards filing the application, Construction of Weir at 13 nos. Drains. Locations: - 1. Augharwa Nalla 2. Bhola Mandir Nalla 3. Gangoli Shivala Nalla I 4. Gangoli Shivala Nalla II 5. Savitri Nagar Nalla 6. Dham Nalla 7. Sashtri bridge Nalla 8. Triveni Marg Nalla I 9. Triveni Marg Nalla II 10. Ulta Quila Nalla I 11. Ulta Quila Nalla II 12. Havelia Nalla 13. Lakkar Nalla
10	Approach Road to new Facilities	Forest Department/ Panchayat/Local Authority/Irrigation Department	NA	Not Required
11	consent to operate for Existing Facilities	ULB and SPCB	1 No	Will be processed during commissioning stage

15. Plant & Machinery Status

Sr. No.	Machinery Name	PHAPHAMAU	Naini-II	Jhunsi
1.	JCB	1	3	-
2.	Dumper	-	-	-
3.	Poclain	-	4	1
4.	Ajax	-	2	-
5.	Hydra	-	1	-
6.	Roller	-	1	1
7.	Submersible Pump	1	3	1
8.	Diesel Pump 5 HP	1	3	1
9.	5KV generator	2	4	2
10.	Total Station	-	1	1
11.	Water tanker	-	1	-
12.	Auto level	1	7	2
13.	Mixing machine	-	4	-
14.	Vibrator	2	13	6
15.	Tractor	-	8	-
16.	Concrete Chipping machine	2	3	1
17.	Welding Machine	-	3	2
18.	Grinding Machine	1	4	2
19.	Gas Cutting Set	-	1	1
20.	Chain Saw Machine	-	-	1
21.	Chain Block	1	-	1
22.	RM 800	1	-	-
23.	Plywood Cutting Machine	2	6	1
24.	Steel Cutting Machine	2	7	2
	Total	17	79	26