

**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
MAY 2020**



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,
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;**

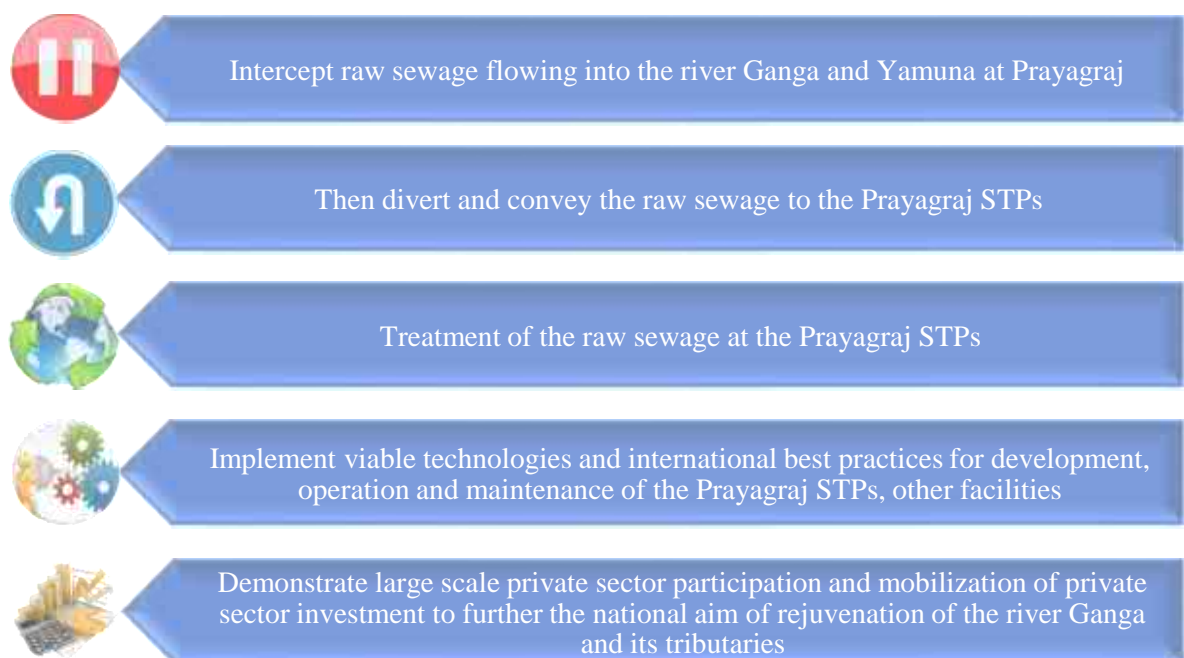


Figure 1 : Objectives of NMCG and UP JAL NIGAM

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

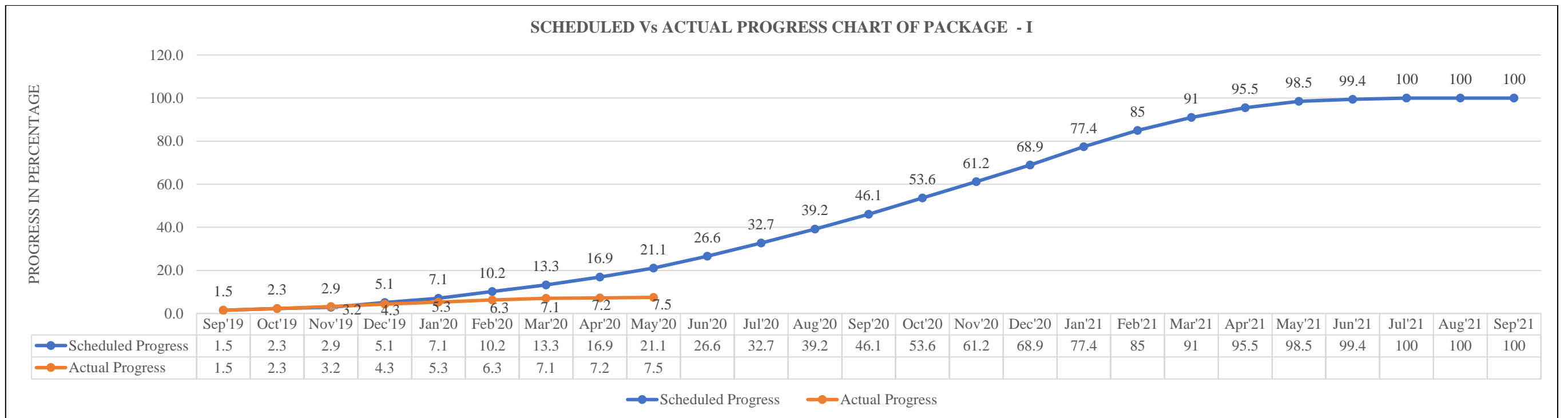
Overall Progress of the project and individually package wise progress are as follows;

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. |
| Date of start as per work order | 16 th September 2019 |
| Date of completion as per work order | 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 | 5.3 | 6.3 | 7.1 | 7.2 | 7.5 | | | | | | | | | | | | | | | | |

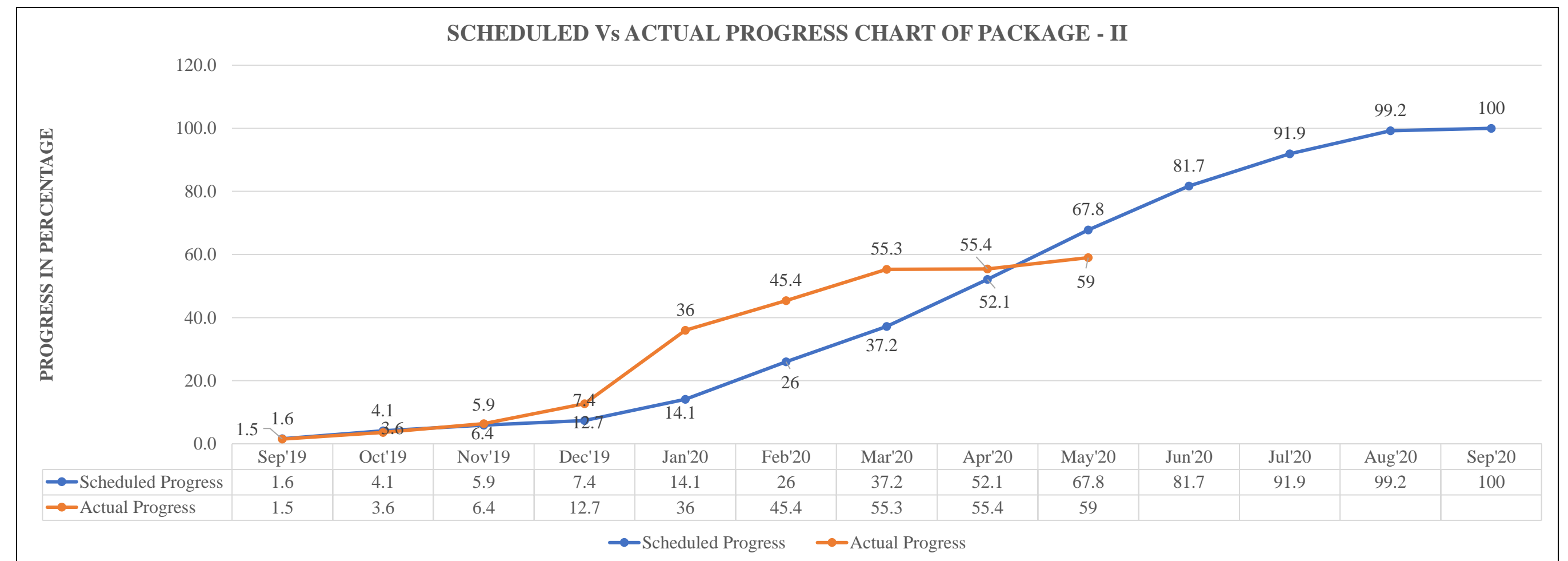


MONTHLY PROGRESS CHART OF PACKAGE – II

| | |
|---|---|
| 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. |
| Date of start as per work order | 16 th September 2019 |
| Date of completion as per work order | 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 | 36 | 45.4 | 55.3 | 55.4 | 59 | | | | |

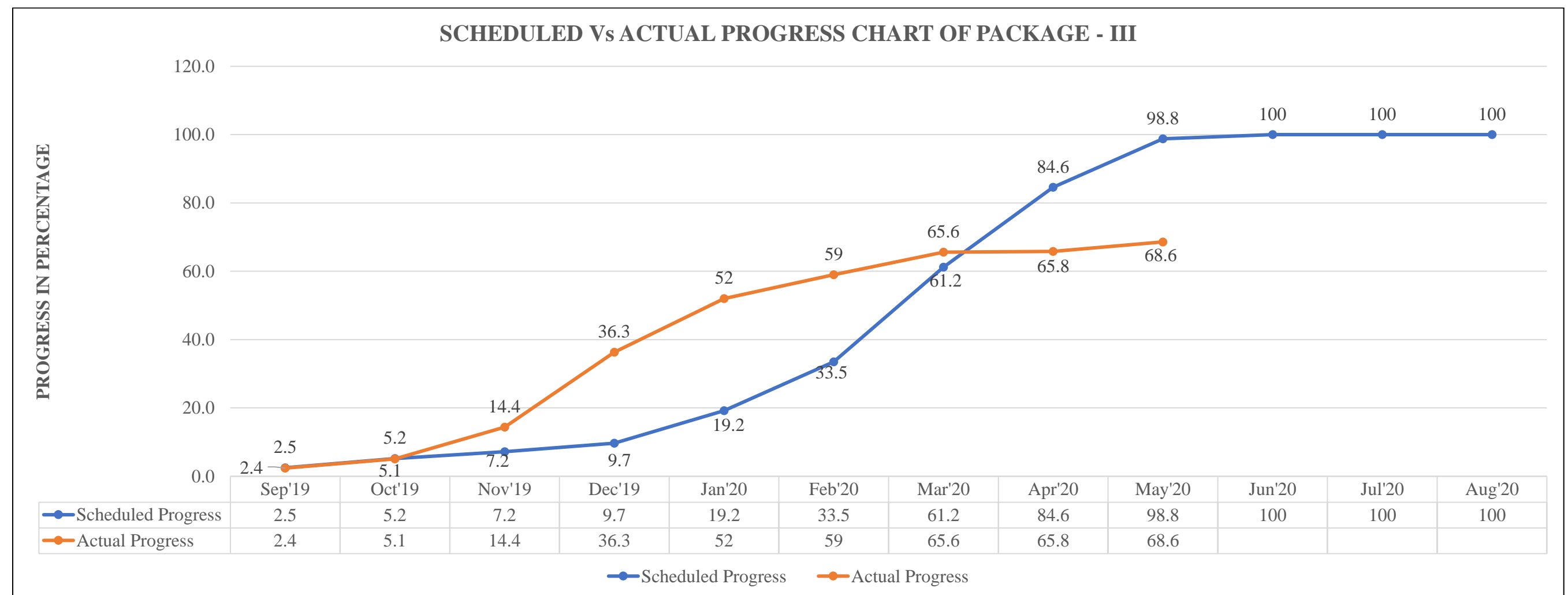


MONTHLY PROGRESS CHART OF PACKAGE – III

| | |
|---|--|
| 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. |
| Date of start as per work order | 16 th September 2019 |
| Date of completion as per work order | 15 th March 2020 |
| Extension of Assignment | 30 th June 2020 |

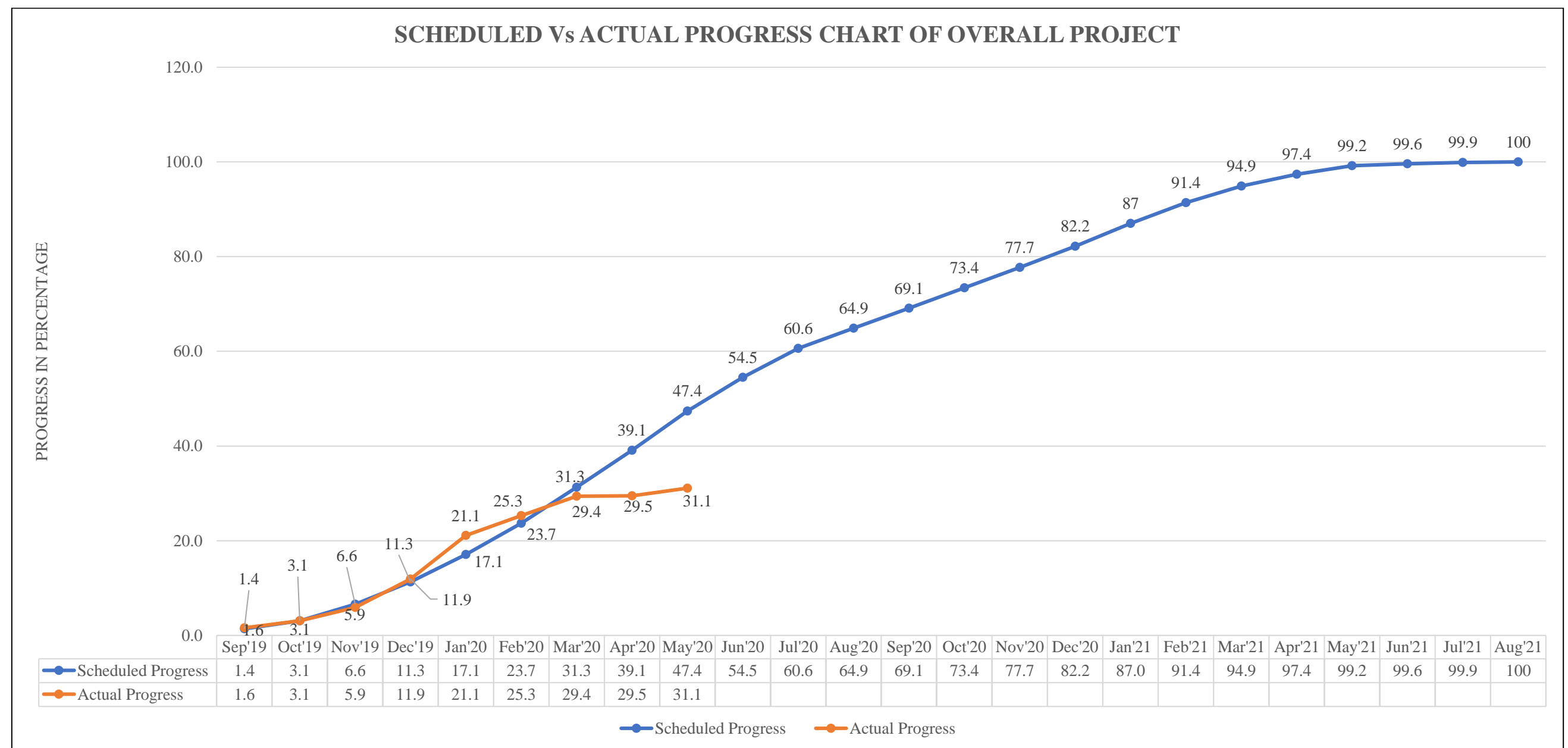
Schedule Vs Actual Physical Progress (Cumulative)

| 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 | 52 | 59 | 65.6 | 65.8 | 68.6 | | | |



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 (%) | 1.4 | 3.1 | 6.6 | 11.3 | 17.1 | 23.7 | 31.3 | 39.1 | 47.4 | 54.5 | 60.6 | 64.9 | 69.1 | 73.4 | 77.7 | 82.2 | 87.0 | 91.4 | 94.9 | 97.4 | 99.2 | 99.6 | 99.9 | 100 |
| Actual Physical Progress (%) | 1.6 | 3.1 | 5.9 | 11.9 | 21.1 | 25.3 | 29.4 | 29.5 | 31.1 | | | | | | | | | | | | | | | |



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 | Completed for Phaphamau Facilities & Naini-II Facilities Due to change of land of Jhansi STP Facility, survey & investigation work followed by engineering got delayed. Concessionaire is instructed to submit the revised construction plan for UPJN approval |
| | Milestone 2 | 16 th January 2020 | 15 th March 2020 | Under Progress | Progress is affected due to change of land of Jhansi STP Facility, Subsequently pandemic Covid-19 and nation-wide lockdown, Concessionaire is instructed to submit the revised construction plan for UPJN approval |
| | 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 | Completed / 29 th May 2020 | As per actual site condition some additional work was |

| | | | | | |
|-----------|-------------|---------------------------------|---------------------------------|---|---|
| | | | | | done from concessioner so Actual completion date was exceed from the date of Scheduled completion which were not affecting the overall rehabilitation period of Package-II and no time extension were allowed for further milestone |
| | Milestone 2 | 26 th March 2020 | 30 th April 2020 | Under Progress | The activities were affected due to pandemic COVID-19 and nation-wide lockdown, Further, Concessionaire is instructed to submit the revised construction plan for UPJN approval. |
| | 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 | Completed / 25 th March 2020 | |
| | Milestone 2 | 26 th March 2020 | 30 th June 2020 | Under Progress | The activities were affected due to pandemic COVID-19 and nation-wide lockdown, Further, Concessionaire is instructed to submit the revised construction plan for UPJN approval. |

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 May' 2020

| Sr. No. | Activity / Work | Date | Attendees | Remarks |
|---------|--|-------------------------|--|--|
| 1 | Review meeting on Design & Drawing of JHUSI & PHAPHAMAU facility of PKG-I at UPJN office, Prayagraj. | 08.05.2020 | 1.G.M – UPJN 2.P.M – PWPL 3.Sr. Engineer (O&M)-Aecom | Deadlines were given for the approval of pending Designs & Drawings. . |
| 2 | Inspection Report of package -I facility (Jhunsu, Phaphamau & Naini-II). | 12.05.2020 | 1.PM IV – UPJN 2.A.M (Civil) – PWPL 3.Sr. Engineer (O&M)-Aecom | Regarding construction activities. |
| 3 | Inspection Report of Salori STP Under package -III facility. | 15.05.2020 | 1.A.M (Civil) – PWPL 2.Sr. Engineer (O&M)-Aecom | Regarding construction, Rehabilitation & O&M activities. |
| 4 | Inspection Report of package -I facility (Jhunsu, Phaphamau & Naini-II). | 18.05.2020 & 22.05.2020 | 1.PM IV – UPJN 2.A.M (Civil) – PWPL 3.Sr. Engineer (O&M)-Aecom | Regarding construction activities. |
| 5 | Inspection Report of Ponghat STP Under package -III facility. | 23.05.2020 | 1.A.E – UPJN 2.Sr. Engineer (O&M)-Aecom | Regarding construction, Rehabilitation & O&M activities. |
| 6 | Inspection Report of Salori STP Under package -III facility. | 30.05.2020 | 1.A.M (Civil) – PWPL 2.Sr. Engineer (O&M)-Aecom | Regarding construction activities. |
| 7 | Inspection Report of Numayadehi STP Under package -III facility. | 30.05.2020 | 1.A.M (Civil) – PWPL 2.Sr. Engineer (O&M)-Aecom | Regarding construction, Rehabilitation & O&M activities. |

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 | FCR tank | 01 Nos. | <ul style="list-style-type: none"> 100 % Excavation completed of FCR unit. 100 % Rubble soling completed. 100 % PCC completed. Reinforcement of Steel for bottom Raft is under progress. |
| NAINI – II STP | | | |
| 2 | FCR tank | 01 Nos | <ul style="list-style-type: none"> 100 % Excavation completed. 40 % Rubble soling completed. Construction of boundary wall in progress. |
| JHUNSI | | | |
| 3 | Site office | 1 No. | <ul style="list-style-type: none"> 90 % site office establishment work completed. |
| PACKAGE - III | | | |
| SALORI STP | | | |
| 4 | PLC building | 1 No. | 100 % Excavation work completed. 100 % Rubble Soling work completed. 100 % PCC work completed. 100 % Raft work completed. |
| 5 | Chlorination room | 1 No. | 100 % Excavation work completed. 100 % Murrum filling work completed. 100 % PCC work completed. 50 % brickwork completed. |
| 6 | Sludge Dewatering Building | 1 No. | 100 % excavation work completed. |
| LUKARGANJ SPS | | | |
| 7 | PLC Room | 1 No | 100 % excavation work completed. 100 % Rubble soling work completed. |
| PONGHAT STP | | | |
| 8 | PLC Room | 01 No | 100 % Excavation work completed. 100 % Rubble soling work completed. 100 % PCC work completed. 100 % footing work completed. |

| REHABILITATION UNITS | | | |
|-----------------------|-----------------------|----------------|--|
| S. No. | Structure Description | Structure Qty. | Status |
| PACKAGE - II | | | |
| NAINI – I STP | | | |
| 9 | Sludge digester | 01 No | Digester cleaning work under progress. |
| PACKAGE - III | | | |
| NUMAYADAHI STP | | | |
| 10 | Bio tower | 01 No. | <ul style="list-style-type: none"> Cleaning Work is completed. Seepage /leakage & Surface Preparation work completed. Painting work of mechanism. Filling of media work under progress. |
| 11 | Secondary clarifier | 1 No. | <ul style="list-style-type: none"> Cleaning Work is completed. Seepage /Leakage & surface preparation work completed. Painting work completed. Complete overhauling of scrapper drive. |
| 12 | Aeration tank | 1 No. | <ul style="list-style-type: none"> Cleaning Work is completed. Seepage/Leakage & surface preparation work completed. Painting work completed. Diffuser installation work under progress. |
| 13 | Grit classifier | 01No. | <ul style="list-style-type: none"> Cleaning Work is completed. Seepage/Leakage & surface preparation work. Painting work completed. Complete overhauling of scrapper drive & Rake Classifier. <p>Note-</p> <p>1- Steel structure installation, handrail & pathway erection work under progress.</p> <p>2- Installation of Solar panel work under progress.</p> |
| KODRA STP | | | |
| 14 | Bio tower | 01 No. | <ul style="list-style-type: none"> Cleaning Work is completed. Seepage /leakage & Surface Preparation work completed. Painting work of mechanism. Filling of media work under progress. Painting work of mechanism. Filling of media work under progress. |
| 15 | Secondary clarifier | 1 No. | <ul style="list-style-type: none"> Cleaning Work is completed. Seepage /Leakage & surface preparation work completed. |

| | | | |
|--------------------|---------------------|--------|--|
| | | | <ul style="list-style-type: none"> Painting work completed. <p>Complete overhauling of scrapper drive.</p> |
| 16 | Aeration tank | 1 No. | <ul style="list-style-type: none"> Cleaning Work is completed. Seepage/Leakage & surface preparation work completed. Painting work completed. Diffuser installation work under progress. |
| 16 | Grit classifier | 01No. | <ul style="list-style-type: none"> Cleaning Work is completed. Seepage/Leakage & surface preparation work. Painting work completed. Complete overhauling of scrapper drive & Rake Classifier. <p>Note-</p> <p>1- Steel structure installation, handrail & pathway erection work under progress.</p> <p>2- Installation of Solar panel work under progress.</p> |
| PONGHAT STP | | | |
| 17 | Bio tower | 01 No. | <ul style="list-style-type: none"> Cleaning Work is completed. Seepage /leakage & Surface Preparation work completed. Painting work of mechanism. <p>Filling of media work under progress.</p> <ul style="list-style-type: none"> Painting work of mechanism. <p>Filling of media work under progress.</p> |
| 18 | Secondary clarifier | 1 No. | <ul style="list-style-type: none"> Cleaning Work is completed. Seepage /Leakage & surface preparation work completed. Painting work completed. <p>Complete overhauling of scrapper drive.</p> |
| 19 | Aeration tank | 1 No. | <ul style="list-style-type: none"> Cleaning Work is completed. Seepage/Leakage & surface preparation work completed. Painting work completed. Diffuser installation work under progress. |
| 20 | Grit classifier | 01No. | <ul style="list-style-type: none"> Cleaning Work is completed. Seepage/Leakage & surface preparation work. Painting work completed. Complete overhauling of scrapper drive & Rake Classifier. <p>Note-</p> <p>1- Steel structure installation, handrail & pathway erection work under progress.</p> <p>2- Installation of Solar panel work under progress.</p> |
| SALORI STP | | | |

| | | | |
|---|------------------|-------|--|
| 1 | FAB reactor | 01No. | <ul style="list-style-type: none"> Rehabilitation Work for FAB reactor is in progress |
| 2 | Grit classifier | 01No. | <ul style="list-style-type: none"> Rehabilitation Work for Grit classifier is in progress |
| 3 | Clarissettler | 01No. | <ul style="list-style-type: none"> Rehabilitation Work for Clarissettler is in progress |
| 4 | Sludge thickener | 01No. | <ul style="list-style-type: none"> Rehabilitation Work for Sludge thickener is in progress <p>Note-</p> <p>1- Steel structure installation, handrail & pathway erection work under progress.</p> <p>2- Installation of Solar panel work under progress.</p> |

8. Photos of Meetings / Site Visits and Activities

PACKAGE - I

PHAPHAMAU FACILITIES (DISTRICT -F)



Cube Test



FCR – Raft steel binding work in Progress



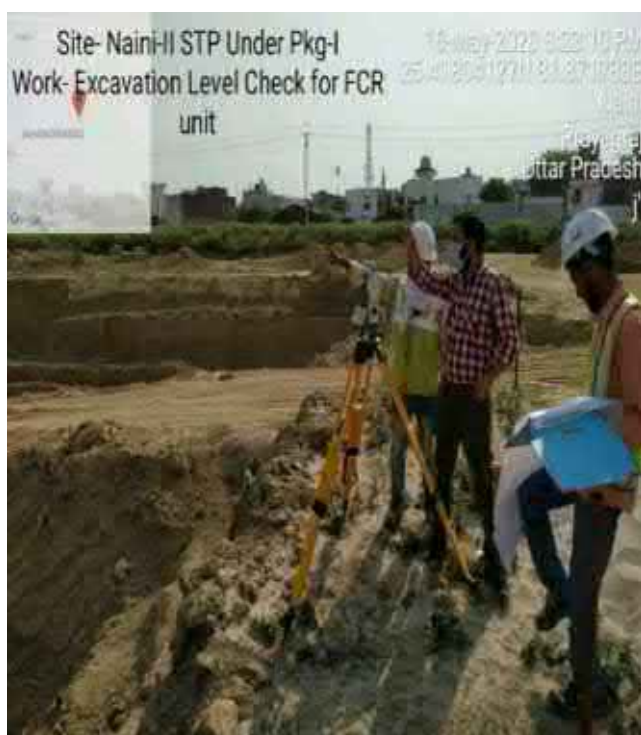
FCR – PCC work in Progress

NAINI FACILITIES (DISTRICT - G)

Site: Naini-II STP site under Pkg-I
WPI- Boulders soiling and sand filling
work



FCR - Boulder Soiling and sand filling work in Progress



FCR – Excavation Level Check in Progress



Boundary Wall – Construction work in Progress

JHUNSI FACILITIES



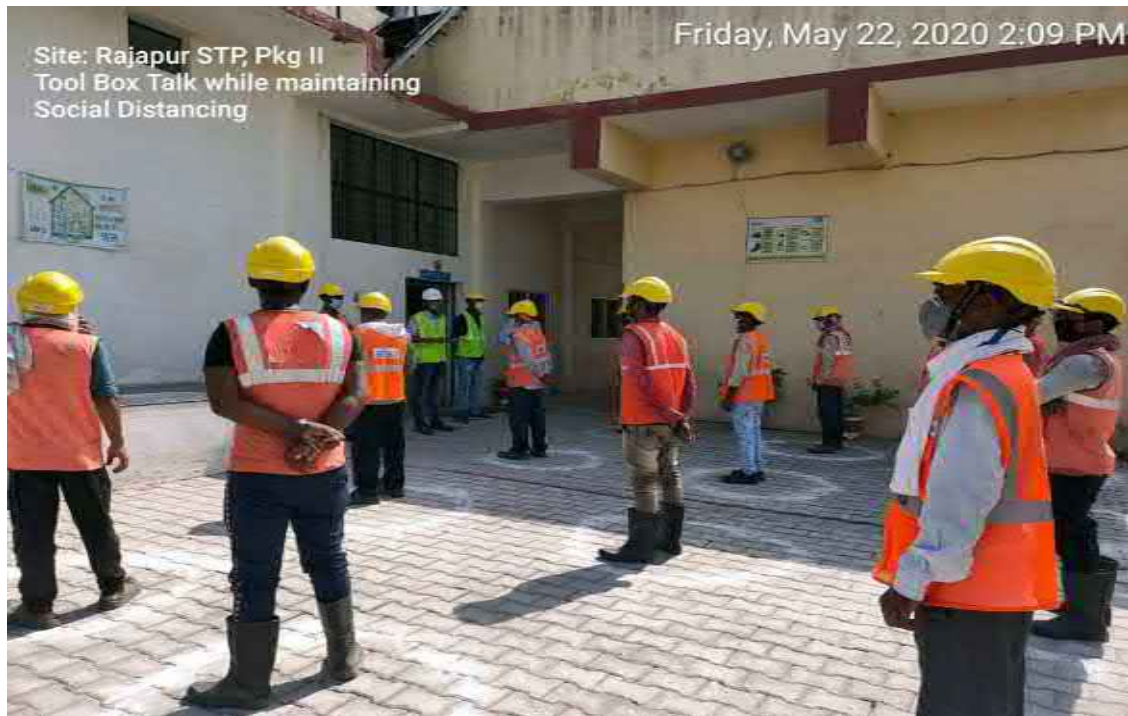
Cement Shed – Construction work in Progress



Site Office – Establishment work in Progress

PACKAGE - II

RAJAPUR FACILITIES (DISTRICT D)



Toll Box and Safety Training



Bund Repair work in Progress

PACKAGE - III

SALORI FACILITIES (DISTRICT - C)



PLC Room – PCC work in progress



FAB Tank – Media removal work in progress



Clarifier – Thickner Erection

NUMAYADAHY FACILITIES (DISTRICT B)



Clarifier - Surface finishing work in progress



Tool box and Safety Training

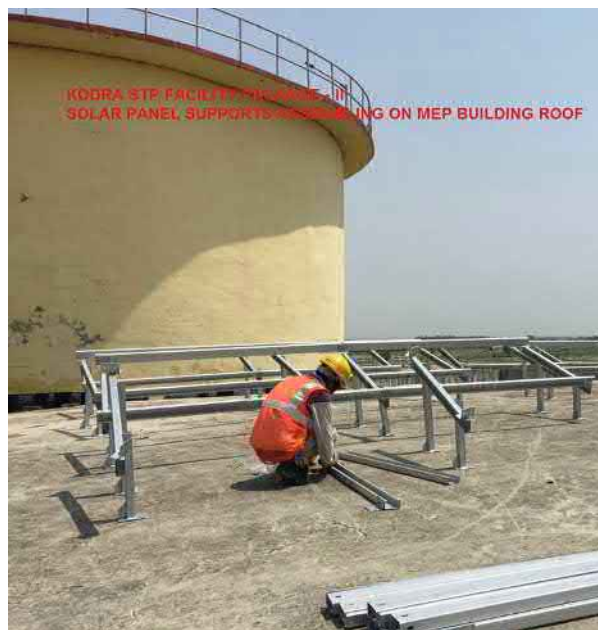


Bio Tower - Cleaning work in Progress

KODRA FACILITIES (DISTRICT E)



Fabrication work



Fabrication for Solar structure



Polycrystalline Solar Panel inspection after Installation

PONGHAT FACILITIES (DISTRICT E)



Clarifier - Surface preparation work in progress



PLC Room - Construction 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/220 | 2-May-20 | Civil Designs & Drawings for Development of Prayagraj STP Projects under Hybrid Annuity based PPP Mode | M/s. Prayagraj Water Private Ltd | General Manager, Ganga Pollution Control Unit |
| 2. | Via E-Mail | 3-May-20 | Submission of Operation & Control Philosophy Package II & III | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 3. | Via E-Mail | 3-May-20 | Submission of Illumination layout Basna Nala SPS | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 4. | Via E-Mail | 3-May-20 | Submission of PLC Documents Package II & III | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 5. | AIPL/WUD/RFP-NMCG/2020/222 | 5-May-20 | Civil Designs & Drawings for Development of Prayagraj STP Projects under Hybrid Annuity based PPP Mode | M/s. Prayagraj Water Private Ltd | General Manager, Ganga Pollution Control Unit |
| 6. | Via E-Mail | 8-May-20 | Format for Picture Reporting of Prayagraj Project | M/s. Prayagraj Water Private Ltd | General Manager, Ganga Pollution Control Unit |
| 7. | Via E-Mail | 8-May-20 | Submission of BEP for JHUNSI Associated Infrastructure | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 8. | Via E-Mail | 11-May-20 | Submission of drawing for Inlet chamber coarse screen & Wet well Shantipuram MPS | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 9. | Via E-Mail | 12-May-20 | Submission of drawing for Shastri Bridge SPS | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 10. | Via E-Mail | 12-May-20 | Submission of GA drawing for In Jhuns MPS | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |

| Sr. No. | Transmittal/Ref No | Date | Description | To (Organization) | Copies To |
|---------|----------------------|-----------|---|---|----------------------------------|
| 11. | Via E-Mail | 12-May-20 | Scope change in Jhansi STP due to change in location | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 12. | AIPL/NMCG/PRAYAG/223 | 12-May-20 | Site visit report and Observations at Naini-II STP Facility | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 13. | AIPL/NMCG/PRAYAG/224 | 12-May-20 | Reg. Slow work progress at site and other site issues | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 14. | AIPL/NMCG/PRAYAG/225 | 15-May-20 | Regarding operation & maintenance of existing facilities of Package II & III. | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 15. | AIPL/NMCG/PRAYAG/226 | 15-May-20 | Regarding discrepancies found in rehabilitation works of PKG – II & III facilities | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 16. | AIPL/NMCG/PRAYAG/227 | 15-May-20 | Visit report of Salori STP & MPS | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 17. | AIPL/NMCG/PRAYAG/228 | 18-May-20 | Reg. Batching and Mixing Plant for concrete not installed at sites and non-submission of civil work methodology | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 18. | Via E-Mail | 18-May-20 | Submission of revised BEP for Jhansi STP | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 19. | Via E-Mail | 18-May-20 | Submission of supporting documents for 1 st Milestone completion of Package - I | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 20. | Via E-Mail | 18-May-20 | Submission of Naini-I Gas Engine (Part-III) | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 21. | Via E-Mail | 19-May-20 | Request for waiver of inspection Blower | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |

| Sr. No. | Transmittal/Ref No | Date | Description | To (Organization) | Copies To |
|---------|----------------------|-----------|--|---|----------------------------------|
| 22. | Via E-Mail | 19-May-20 | Submission of Civil drawing for Lamella Clarifier at Phaphamau STP | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 23. | AIPL/NMCG/PRAYAG/229 | 19-May-20 | Visit report of Rajapur STP & MPS | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 24. | AIPL/NMCG/PRAYAG/230 | 19-May-20 | Visit report of Kodra STP & MPS | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 25. | Via E-Mail | 20-May-20 | Prayagraj STP Project - Submission of Jhunsi STP FCR Tank Civil Drawings | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 26. | Via E-Mail | 20-May-20 | Submission of JHUNSI STP FCR tank civil drawings | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 27. | Via E-Mail | 21-May-20 | Prayagraj STP Project – Submission of Sluice Gate drawings for Package II & III | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 28. | Via E-Mail | 21-May-20 | Submission of PLC documents Package -II & III | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 29. | AIPL/NMCG/PRAYAG/231 | 22-May-20 | Regarding various issues at New construction sites under Package-I | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 30. | AIPL/NMCG/PRAYAG/232 | 23-May-20 | Visit report of Ponghat STP & MPS | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 31. | Via E-Mail | 24-May-20 | HAZOP (Hazard and operability study) review for STP projects at Allahabad under Hybrid Annuity based PPP model | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 32. | Via E-Mail | 28-May-20 | Submission of Revised & final FEED documents for Package -II | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |

| Sr. No. | Transmittal/Ref No | Date | Description | To (Organization) | Copies To |
|---------|----------------------|-----------|---|---|----------------------------------|
| 33. | Via E-Mail | 28-May-20 | Submission of Naini-I Gas engine documents | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 34. | Via E-Mail | 28-May-20 | Submission of Diffuser piping drawing Package -II & III | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 35. | AIPL/NMCG/PRAYAG/233 | 30-May-20 | Regarding issues related to concrete work at PLC Unit of Salori STP in Package - III. | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 36. | Via E-Mail | 30-May-20 | Submission of documents for gas mixing system Naini-I | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 37. | AIPL/NMCG/PRAYAG/234 | 30-May-20 | Visit report of Numayadahi STP | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 38. | Via E-Mail | 31-May-20 | Submission of revised documents for Laboratory instruments package II & III | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |
| 39. | Via E-Mail | 31-May-20 | Submission of revised DG data sheet and GA for Naini-I STP | General Manager, Ganga Pollution Control Unit | M/s. Prayagraj Water Private Ltd |

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. 1 | 815/405/23 | 1-May-20 | Reg. Repair of Mumfordganj SPS Leakage | General Manager, Ganga Pollution Control Unit |
| 2. 2 | 816/811/17 | 1-May-20 | Site Visit Report at Kodra under Package-III | Project Manager, Ganga Pollution Control Unit |
| 3. | PWPL/UPJN/PM CG/237/20 /Via Mail | 1-May-20 | Prayagraj STP Project- Submission of revised GA Drawings for Mahewaghat SPS | AVP at M/S Prayagraj Water Private Ltd. |
| 4. | PWPL/UPJN/PM CG/238/20 | 1-May-20 | Prayagraj STP Project – AC Control Supply for HT/LT Switchgear for Package-I | AVP at M/S Prayagraj Water Private Ltd.LTD., |
| 5. | Via Mail | 2-May-20 | Department DPR as on 01st May'20 for Prayagraj STP Project | AVP at M/S Prayagraj Water Private Ltd. |
| 6. | PWPL/UPJN/PM CG/242/20 | 4-May-20 | Prayagraj STP Project - Submission of SLD and Cable Schedule & Sizing Calculation of Basna Nalla SPS | AVP at M/S Prayagraj Water Private Ltd. |
| 7. | 825/447/18 | 5-May-20 | Submission of Compliance report for consent to Operate (CTO) of six sewage treatment plant (STP'S) and Associated infrastructure located at Kodra, Naini I, Numayadahi, Salori, Phongat, Rajapur, of Prayagraj district under the Air Act, 1981, and Water Act, 1974. | General Manager, Ganga Pollution Control Unit |
| 8. | 835/PWPL (Adani)/136 | 6-May-20 | Regarding pending disputes related to design, drawings and datasheets of PKG - I, II & III | General Manager, Ganga Pollution Control Unit |
| 9. | 851/1007/25 | 11-May-20 | Minutes of the meeting for review towards status of work under Jhunsi & Phaphamau facilities under HAM Project on 7th May 2020 | General Manager, Ganga Pollution Control Unit |
| 10. | 848/PWPL (Adani)/137 | 11-May-20 | Regarding approval of Data sheet documents of HNC & VNC Pump for package II & III | General Manager, Ganga Pollution Control Unit |
| 11. | 849/PWPL (Adani)/138 | 11-May-20 | Regarding approval of FAT & SAT Procedure for PLC for all STP & SPS/MPS in package II & III | General Manager, Ganga Pollution Control Unit |
| 12. | Via Mail | 11-May-20 | Prayagraj STP Project – Submission of Naini II Process Building Civil Drawings | AVP at M/S Prayagraj Water Private Ltd. |
| 13. | PWPL/UPJN/PM CG/253/2020/Via Mail | 12-May-20 | Prayagraj STP Project - Submission of revised GA Drawings for Shantipuram MPS | AVP at M/S Prayagraj Water Private Ltd. |

| Sr. No. | Transmittal/Ref No | Date | Description | From |
|---------|---------------------------------------|-----------|---|---|
| 14. | PWPL/UPJN/PM CG/259/2020 | 13-May-20 | Prayagraj STP Project- Submission of Illumination Layout of Shantipuram MPS | AVP at M/S Prayagraj Water Private Ltd. |
| 15. | PWPL/UPJN/PM CG/262-2020 | 14-May-20 | Prayagraj STP Project – Submission of Phaphamau STP Road & Drains revised drawings | AVP at M/S Prayagraj Water Private Ltd. |
| 16. | PWPL/UPJN/PM CG/266/2020 | 15-May-20 | Prayagraj STP Project- Submission of Illumination Layout of Mahewaghat SPS | AVP at M/S Prayagraj Water Private Ltd. |
| 17. | 886/PWPL(ADANI)/141 | 18-May-20 | Reg. Observations during site visit of Naini-II STP and Naini-I STP Rehab site. | Project Manager, Ganga Pollution Control Unit |
| 18. | PWPL/UPJN/PM CG/271/2020 | 20-May-20 | Prayagraj STP Project – Submission of Sluice Gate drawings for Package II & III | AVP at M/S Prayagraj Water Private Ltd. |
| 19. | PWPL/UPJN/PM CG/SITE/194/20_ Via Mail | 20-May-20 | Prayagraj STP Project- Submission of Crushing Value Test Report of Boulders for Package-I | AVP at M/S Prayagraj Water Private Ltd. |
| 20. | 894/Naini, Phaphamau, Jhansi/03 | 21-May-20 | Regarding Vetting of Structural Design & drawings for Prayagraj STP Project along with associated structure | General Manager, Ganga Pollution Control Unit |
| 21. | 896/811/19 | 21-May-20 | Inspection Report of 60 MLD Rajapur STP and 29 MLD Salori STP | Project Manager, Ganga Pollution Control Unit |
| 22. | 897/PWPL (ADANI)/142 | 21-May-20 | Regarding approval of QC Documents of Organica Biomodule for Naini-II STP in Package-I | General Manager, Ganga Pollution Control Unit |
| 23. | PWPL/UPJN/PM CG/274/2020 | 21-May-20 | Prayagraj STP Project- Submission of Naini I Gas Engine Documents | AVP at M/S Prayagraj Water Private Ltd. |
| 24. | 903/PWPL (ADANI)/143 | 22-May-20 | Regarding approval of QC Documents of Organica Biomodule for Phaphamau STP in Package-I | General Manager, Ganga Pollution Control Unit |
| 25. | PWPL/UPJN/PM CG/185/2020_ Via Mail | 22-May-20 | Gas Engine Inspection waiver | PM at M/S Prayagraj Water Private Ltd. |
| 26. | PWPL/UPJN/PM CG/278/2020 | 26-May-20 | General Layout for Biogas Engine at Naini-I STP | PM at M/S Prayagraj Water Private Ltd. |
| 27. | 948/PWPL (ADANI)/149 | 29-May-20 | Regarding testing of materials used in Shantipuram STP of Phaphamau facility Package-I Prayagraj. | Assistant Engineer Ganga Pollution Control Unit |
| 28. | 949/PWPL (ADANI)/150 | 29-May-20 | Regarding for Ghaghar Nalla MPS Package-II | Assistant Engineer Ganga Pollution Control Unit |

11. EHS targets, Achievement & compliance report for the month of May '2020

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 May -2020

| Sr. No. | Description | Target of the month | Achievement of the month | Project Cumulative WEF 01-JUL-2019 | Remark |
|---------|--|---------------------|--------------------------|------------------------------------|---------------------------|
| 1 | Monthly minor accident, serious incident details | - | - | - | No Incident occurred |
| 2 | Average manpower details, man-hours work | Actual | 76648 | 726522 | Safe man hour |
| 3 | Lost time (no of working days) | - | - | - | No LTI |
| 4 | Number of on Job training | 12 Nos. | 12 Nos. | 84 Nos. | SI, SRFA, LSSR, Covid -19 |
| 5 | Number of People trained | 80 Nos. | 80 Nos. | 915 Nos. | |
| 6 | HSE committee minutes of meeting | 01 Nos | 01 No s | 08 Nos | |
| 7 | HSE inspection/ Round / Visit, Equipment Inspection etc. | 10 Nos | 10 Nos | 83 Nos | |

12. 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. | Under process towards filing the application to concern local authority. Total 01 nos. NH Road crossings. |
| 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) | | | | |

| Sr. No. | Applicable Permit | Authority | Quantity | Remarks |
|---------|--|---|----------|--|
| 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 Control Board (SPCB) | 1 No. | Received |
| 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. | Under process towards filing the application to concern local authority. 1 no. local Road crossing. |
| 5 | Railway Crossing | Commissioner Railway Safety | 1 No. | Under process towards filing the application to concern authority. Location: - Under Old bridge, Arail Road |
| 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. 01 Nos. of crossing. |
| 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/Irrigation Department | NA | Not Required |

| Sr. No. | Applicable Permit | Authority | Quantity | Remarks |
|-------------------------------------|--|--------------------------------------|----------|--|
| 11 | Consent to operate for Existing Facilities | ULB and SPCB | 1 No. | Will be processed during commissioning stage |
| Jhusi 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. Jhunsu STP 2. Shastribridge 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 Shashtri Bridge SPS |
| 5 | Railway Crossing | Commissioner Railway Safety | 1 No. | Under process towards filing the application to concern authority. Location: - Shashtri Bridge |
| 6 | National Highway cutting & crossing | National Highway Authority of India | 1 No. | Under process towards filing the application to concern authority. Location: - Underpass Shashtri Bridge |
| 7 | Revenue Road cutting & crossing | Panchayat/Local Authority | 1 No. | Under process towards filing the application to concern authority. Location: - Shashtri Bridge SPS to Jhusi MPS |
| 8 | Obtaining No Objection Certificate for various sewerage facilities under the ULB for handing them over to UPJN | ULB/District Administration | NA | Not Required |
| 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. Shashtri bridge Nalla 8. Triveni Marg Nalla I 9. Triveni Marg Nalla II |

| Sr. No. | Applicable Permit | Authority | Quantity | Remarks |
|---------|--|--|----------|--|
| | | | | 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 |

Annexure-1; Project Engineer’s activities for the month of ‘May'2020’

| Project Engineer's activities for the month of "May'2020" | | | | | | | | | | | | | |
|---|--|-----------------|--------------------------|------------------|----------------------|------------------------------------|---|---|-------------------------------|-------------------------|--|--|--|
| Date | Name of Activity# | Date of receipt | Date of approval/ Review | No. of day taken | Time as per contract | Delay if any (No. of days) [7=6-5] | Reason for delay* | Key Personal deployed | Man-days of Each key Personal | Delay by Concessionaire | Reason of delay | Steps taken by PE to avoid such delays | Remarks |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| 1-May-20 | Meeting (Video conferencing) regarding pendency of drawings & documents. | 1-May-20 | 1-May-20 | 1 | - | - | - | Mr. Abhishek Singh Mr. Kumar Kashyap | 1 1 | - | - | - | - |
| 2-May-20 | Letter regarding Civil Designs & Drawings for Development of Prayagraj STP Projects under Hybrid Annuity based PPP Mode. | 2-May-20 | 2-May-20 | 1 | - | - | - | Mr. Kumar Kashyap | 1 | - | - | - | - |
| 3-May-20 | Sunday | | | | | | | | | | | | |
| 4-May-20 | Review of Operation & Control Document Package II & III. | 28-Apr-20 | 4-May-20 | 6 | 10 | - | - | Mr. Gaurav Gupta | 1 | - | - | - | - |
| 4-May-20 | Review of Illumination document for Phaphamau SPS. | 23-Apr-20 | 4-May-20 | 11 | 10 | 1 | Information missing for Design Components | Mr. Ayyub Atahar. | 2 | - | Information Missing of Design Components | Asked concessionaire to submit the required information | These documents were submitted by PWPL without supporting engineering documents. |
| 4-May-20 | Review of PLC Documents Package II & III | 14-Apr-20 | 4-May-20 | 20 | 10 | 10 | Information missing for Design Components | Mr. Ayyub Atahar. | 5 | - | Information Missing of Design Components | Asked concessionaire to submit the required information | These documents were submitted by PWPL without supporting engineering documents. |
| 5-May-20 | Review of BEP for JHUNSI Associated Infrastructure. | 25-Apr-20 | 8-May-20 | 13 | 10 | 3 | Information missing for Design Components | Mr. Arun Kumar Agrawal | 2 | - | Information Missing of Design Components | Asked concessionaire to submit the required information. | These documents were submitted by PWPL without supporting engineering documents. |

| Project Engineer's activities for the month of "May'2020" | | | | | | | | | | | | | |
|---|---|-----------------|--------------------------|------------------|----------------------|------------------------------------|---|---|-------------------------------|-------------------------|--|--|--|
| Date | Name of Activity# | Date of receipt | Date of approval/ Review | No. of day taken | Time as per contract | Delay if any (No. of days) [7=6-5] | Reason for delay* | Key Personal deployed | Man-days of Each key Personal | Delay by Concessionaire | Reason of delay | Steps taken by PE to avoid such delays | Remarks |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| 6-May-20 | Review of Format for Picture Reporting of Prayagraj Project. | 6-May-20 | 6-May-20 | 1 | - | - | - | Mr. Kumar Kashyap | 1 | - | - | - | - |
| 7-May-20 | Public Holiday (Buddha Purnima) | | | | | | | | | | | | |
| 8-May-20 | Meeting with UPJN regarding pendency of Designs & Drawings of Phaphamau & Jhansi Facilities at Naini-1 UPJN office. | 8-May-20 | 8-May-20 | 1 | 10 | - | - | Mr. Abhishek Singh Mr. Wahab Alam | 1 1 | - | - | - | - |
| 9-May-20 | Meeting (video conferencing) Regarding pendency (more than 10 days) of documents & drawings. | 9-May-20 | 9-May-20 | 1 | - | - | - | Mr. Abhishek Singh Mr. Kumar Kashyap Mr. Wahab Alam | 1 1 1 | - | - | - | - |
| 10-May-20 | Sunday | | | | | | | | | | | | |
| 11-May-20 | Review of drawing for Inlet chamber coarse screen & Wet well Shantipuram MPS. | 30-Apr-20 | 11-May-20 | 11 | 10 | 1 | Information missing for Design Components | Mr. Arpan Ghosh Mr. Abhishek Singh Mr. Wahab Alam | 1 1 1 | - | Information Missing of Design Components | Asked concessionaire to submit the required information | These documents were submitted by PWPL without supporting engineering documents. |
| 12-May-20 | Review of Mechanical drawing & layout for Jhansi SPS. | 30-Apr-20 | 12-May-20 | 12 | 10 | 2 | Information missing for Design Components | Mr. Arun Kumar Agrawal | 1 | - | Information Missing of Design Components | Asked concessionaire to submit the required information | These documents were submitted by PWPL without supporting engineering documents. |
| 12-May-20 | Review of Mechanical drawing & layout for Jhansi MPS | 30-Apr-20 | 12-May-20 | 12 | 10 | 2 | Information missing for Design Components | Mr. Arun Kumar Agrawal | 1 | - | Information Missing of Design Components | Asked concessionaire to submit the required information. | These documents were submitted by PWPL without supporting |

| Project Engineer's activities for the month of "May'2020" | | | | | | | | | | | | | |
|---|---|-----------------|--------------------------|------------------|----------------------|------------------------------------|-------------------|---|-------------------------------|-------------------------|-----------------|--|------------------------|
| Date | Name of Activity# | Date of receipt | Date of approval/ Review | No. of day taken | Time as per contract | Delay if any (No. of days) [7=6-5] | Reason for delay* | Key Personal deployed | Man-days of Each key Personal | Delay by Concessionaire | Reason of delay | Steps taken by PE to avoid such delays | Remarks |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | | | | | | | | | | | | | engineering documents. |
| 12-May-20 | Review of Scope change in Jhansi STP due to change in location | 6-May-20 | 14-May-20 | 8 | 10 | - | - | Mr. Abhishek Singh Mr. Kumar Kashyap | 1 1 | - | - | - | - |
| 12-May-20 | Site visit report and Observations at Naini-II STP Facility | 12-May-20 | 12-May-20 | 1 | 7 | - | - | Mr. Wahab Alam Mr. Kumar Kashyap | 1 1 | - | - | - | - |
| 12-May-20 | Reg. Slow work progress at site and other site issues | 12-May-20 | 12-May-20 | 1 | - | - | - | Mr. Abhishek Singh | 1 | - | - | - | - |
| 13-May-20 | Visit report of Salori STP & MPS | 13-May-20 | 14-May-20 | 1 | 7 | - | - | Mr. Wahab Alam Mr. Kumar Kashyap | 1 1 | - | - | - | - |
| 14-May-20 | Regarding operation & maintenance of existing facilities of Package II & III. | 14-May-20 | 15-May-20 | 1 | 7 | - | - | Mr. Gaurav Gupta | 1 | - | - | - | - |
| 14-May-20 | Regarding discrepancies found in rehabilitation works of PKG – II & III facilities | 14-May-20 | 14-May-20 | 1 | 7 | - | - | Mr. Arun Kumar Agrawal | 1 | - | - | - | - |
| 15-May-20 | Site visit/Inspection regarding construction activities. | 15-May-20 | 15-May-20 | 1 | 7 | - | - | Mr. Wahab Alam Mr. Kumar Kashyap | 1 1 | - | - | - | - |
| 15-May-20 | Inspection of Jhansi STP for Physical verification of Borehole Locations. | 15-May-20 | 15-May-20 | 1 | 10 | - | - | Mr. Abhishek Singh | 1 | - | - | - | - |
| 16-May-20 | Review of GA and Instrumentation installation drawing of all field instruments for Package-II & III | 9-May-20 | 16-May-20 | 7 | 10 | - | - | Mr. Arun Kumar Agrawal | 2 | - | - | - | - |
| 17-May-20 | Sunday | | | | | | | | | | | | |
| 18-May-20 | Reg. Batching and Mixing Plant for concrete not installed at sites and non-submission of civil work methodology | 16-May-20 | 18-May-20 | 2 | 7 | - | - | Mr. Wahab Alam Mr. Kumar Kashyap | 1 1 | - | - | - | - |

| Project Engineer's activities for the month of "May'2020" | | | | | | | | | | | | | |
|---|--|-----------------|--------------------------|------------------|----------------------|------------------------------------|---|---|-------------------------------|-------------------------|---|---|---|
| Date | Name of Activity# | Date of receipt | Date of approval/ Review | No. of day taken | Time as per contract | Delay if any (No. of days) [7=6-5] | Reason for delay* | Key Personal deployed | Man-days of Each key Personal | Delay by Concessionaire | Reason of delay | Steps taken by PE to avoid such delays | Remarks |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| 18-May-20 | Review of revised BEP for Jhunsi STP | 25-Apr-20 | 18-May-20 | 23 | 10 | 13 | Information missing for Design Components | Mr. Arun Kumar Agrawal | 1 | - | Information Missing of Design Components | Asked concessionaire to submit the required information | These documents were submitted by PWPL without supporting engineering documents |
| 18-May-20 | Review of supporting documents for 1st Milestone completion of Package - I | 19-Apr-20 | 18-May-20 | 29 | 10 | 19 | Information missing for document Components | Mr. Wahab Alam Mr. Kumar Kashyap Mr. Abhishek Singh | 1 1 1 | - | Information missing for document Components | Asked concessionaire to submit the required information | These documents were submitted by PWPL without supporting engineering documents |
| 18-May-20 | Review of Naini-I Gas Engine (Part-III) | 9-May-20 | 18-May-20 | 9 | 10 | - | - | Mr. Arun Kumar Agrawal | 1 | - | - | - | - |
| 19-May-20 | Review of Request for waiver of inspection Blower | 12-May-20 | 19-May-20 | 7 | 10 | - | - | Mr. Ayyub Atahar | 1 | - | - | - | - |
| 19-May-20 | Review of Civil drawing for Lamella Clarifier at Phaphamau STP | 19-May-20 | 19-May-20 | 1 | 10 | - | - | Mr. Arpan Ghosh Mr. Abhishek Singh Mr. Wahab Alam | 1 1 1 | - | - | - | - |
| 19-May-20 | Visit report of Rajapur STP & MPS | 16-May-20 | 19-May-20 | 3 | 10 | - | - | Mr. Ayyub Atahar | 1 | - | - | - | - |
| 19-May-20 | Visit report of Kodra STP & MPS | 18-May-20 | 19-May-20 | 1 | 10 | - | - | Mr. Ayyub Atahar | 1 | - | - | - | - |
| 20-May-20 | Review of FCR civil drawing Jhunsi STP. | 8-May-20 | 20-May-20 | 12 | 10 | 2 | Information Missing of Design Components | Mr. Arpan Ghosh Mr. Abhishek Singh Mr. Wahab Alam | 1 1 1 | - | Information Missing of Design Components | Asked concessionaire to submit the required information | These documents were submitted by PWPL without supporting engineering documents |

| Project Engineer's activities for the month of "May'2020" | | | | | | | | | | | | | |
|---|--|-----------------|--------------------------|------------------|----------------------|------------------------------------|--|---|-------------------------------|-------------------------|--|---|---|
| Date | Name of Activity# | Date of receipt | Date of approval/ Review | No. of day taken | Time as per contract | Delay if any (No. of days) [7=6-5] | Reason for delay* | Key Personal deployed | Man-days of Each key Personal | Delay by Concessionaire | Reason of delay | Steps taken by PE to avoid such delays | Remarks |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| 21-May-20 | Review of Sluice Gate drawings for Package II & III | 20-May-20 | 21-May-20 | 1 | 10 | - | - | Mr. Ayyub Atahar | 1 | - | - | - | - |
| 21-May-20 | Review of PLC documents Package -II & III. | 10-May-20 | 21-May-20 | 11 | 10 | 1 | Information Missing of Design Components | Mr. Ayyub Atahar | 4 | - | Information Missing of Design Components | Asked concessionaire to submit the required information | These documents were submitted by PWPL without supporting engineering documents |
| 21-May-20 | Regarding various issues at New construction sites under Package-I | 21-May-20 | 21-May-20 | 1 | 10 | - | - | Mr. Arpan Ghosh Mr. Abhishek Singh Mr. Wahab Alam | 1 1 1 | - | - | - | Inspection Report |
| 23-May-20 | Visit report of Ponghat STP & MPS | 20-May-20 | 23-May-20 | 3 | 7 | - | - | Mr. Ayyub Atahar Mr. Wahab Alam | 1 1 | - | - | - | Inspection Report |
| 23-May-20 | Review of HAZOP (Hazard and operability study) review for STP projects at Allahabad under Hybrid Annuity based PPP model | 23-May-20 | 23-May-20 | 1 | 10 | - | - | Mr. Ayyub Atahar | 2 | - | - | - | - |
| 24-May-20 | Sunday | | | | | | | | | | | | |
| 25-May-20 | Public Holiday (Eid-UL-Fitar) | | | | | | | | | | | | |
| 26-May-20 | Inspection of Phaphamau STP & Naini -I STP under Package -I | 26-May-20 | 26-May-20 | 1 | - | - | - | Mr. Abhishek Singh Mr. Kumar Kashyap | 1 1 | - | - | - | - |
| 27-May-20 | Inspection of Salori STP under Package -III | 27-May-20 | 27-May-20 | 1 | - | - | - | Mr. Abhishek Singh Mr. Kumar Kashyap | 1 1 | - | - | - | - |
| 28-May-20 | Review of Revised & final FEED documents for Package -II | 22-May-20 | 28-May-20 | 6 | 10 | - | - | Mr. Arun Kumar Agrawal | 1 | - | - | - | - |

| Project Engineer's activities for the month of "May'2020" | | | | | | | | | | | | | |
|---|--|-----------------|--------------------------|------------------|----------------------|------------------------------------|--|------------------------|-------------------------------|-------------------------|--|---|---|
| Date | Name of Activity# | Date of receipt | Date of approval/ Review | No. of day taken | Time as per contract | Delay if any (No. of days) [7=6-5] | Reason for delay* | Key Personal deployed | Man-days of Each key Personal | Delay by Concessionaire | Reason of delay | Steps taken by PE to avoid such delays | Remarks |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| 28-May-20 | Review of Naini-I Gas engine documents | 29-Apr-20 | 28-May-20 | 29 | 10 | 19 | Information Missing of Design Components | Mr. Arun Kumar Agrawal | 1 | - | Information Missing of Design Components | Asked concessionaire to submit the required information | These documents were submitted by PWPL without supporting engineering documents |
| 28-May-20 | Review of Diffuser piping drawing Package -II & III | 23-Apr-20 | 28-May-20 | 35 | 10 | 25 | Information Missing of Design Components | Mr. Arun Kumar Agrawal | 1 | - | Information Missing of Design Components | Asked concessionaire to submit the required information | These documents were submitted by PWPL without supporting engineering documents |
| 29-May-20 | Inspection of Salori STP, Lukarganj SPS & Naini_II STP under package III & I respectively. | 29-May-20 | 29-May-20 | 1 | 10 | - | - | Mr. Abhishek Singh | 1 | - | - | - | - |
| 30-May-20 | Regarding issues related to concrete work at PLC Unit of Salori STP in Package - III. | 30-May-20 | 30-May-20 | 1 | 10 | - | - | Mr. Ayyub Atahar | 1 | - | - | - | - |
| 30-May-20 | Review of documents for gas mixing system Naini-I | 9-May-20 | 30-May-20 | 21 | 10 | 11 | Information Missing of Design Components | Mr. Arun Kumar Agrawal | 1 | - | Information Missing of Design Components | Asked concessionaire to submit the required information | These documents were submitted by PWPL without supporting engineering documents |
| 30-May-20 | Visit report of Numayadahi STP | 26-May-20 | 30-May-20 | 4 | 7 | - | - | Mr. Abhishek Singh | 1 | - | - | - | - |
| 30-May-20 | Review of revised documents for Laboratory instruments package II & III | 9-May-20 | 30-May-20 | 21 | 10 | 11 | Information Missing of Design Components | Mr. Ayyub Atahar | 3 | - | Information Missing of Design Components | Asked concessionaire to submit the required information | These documents were submitted by PWPL without supporting |

| Project Engineer's activities for the month of "May'2020" | | | | | | | | | | | | | |
|---|--|-----------------|--------------------------|------------------|----------------------|------------------------------------|-------------------|-----------------------|-------------------------------|-------------------------|-----------------|--|---|
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| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | | | | | | | | | | | | | engineering documents. |
| 30-May-20 | Review of revised DG data sheet and GA for Naini-I STP | 28-May-20 | 30-May-20 | 2 | 10 | - | - | Mr. Ayyub Atahar | 2 | - | - | - | - |
| 31-May-20 | Sunday | | | | | | | | | | | | |
| | Daily Supervision of O&M Activities of Package-II & Package-III Facilities | Daily | - | Daily | - | - | - | Mr. Gaurav Gupta | 22 | - | - | - | O&M Supervision at Site and verification of Guaranteed Interim Availability |