

NATIONAL MISSION FOR CLEAN GANGA (NMCG)

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



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

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

UNDER

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

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

Monthly Progress Report

Of

Project Engineer

JULY - 2021



Executing Agency
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ABBREVIATIONS

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

MONTHLY PROGRESS REPORT – HAM KANPUR

1. INTRODUCTION

The Govt. of India, recognizing that long-term rejuvenation of the river Ganga will have significant social and economic benefits on the lives of the 500 million people living along its basin, has identified cleaning of the river Ganga as one of its priorities. For this purpose, in May 2015, the GoI approved the flagship Namami Gange program for cleaning, rejuvenation, and protection of the river Ganga. In January 2016, the GoI approved a hybrid annuity model to implement STP projects under the Namami Gange program on a PPP basis.

Subsequently, the MoWR issued the River Ganga (Rejuvenation, Protection and Management) Authorities Order, 2016 (Ganga 2016 Order) to constitute various authorities to assist the GoI in achieving its aim of effective abatement of pollution in the river Ganga. The Ganga 2016 Order applies to all states in the catchment of the river Ganga basin, including Uttar Pradesh. The Ganga 2016 Order revised the legal status of NMCG (which was initially constituted as a registered society under the Societies Registration Act, 1860) to an authority constituted under the Environment (Protection) Act, 1986 and designated NMCG as the nodal agency for the implementation of the Ganga 2016 Order.

Rapidly increasing population, rising standards of living and exponential growth of industrialization and urbanization have exposed water resources, in general, and rivers, in particular, to various forms of degradation. The mighty Ganga is no exception. The deterioration in the water quality impacts the people immediately. Ganga, in some stretches, particularly during lean seasons has become unfit even for bathing. The threat of global climate change, the effect of glacial melt on Ganga flow and the impacts of infrastructural projects in the upper reaches of the river, raise issues that need a comprehensive response.

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

- three new STP facilities (30 MLD Pankha, 15 MLD Unnao & 5 MLD Shuklaganj) and their O&M for 15 years;
- rehabilitation of existing 130 MLD Jajmau Phase-I STP facility with O&M for 15 years and;
- O&M for three existing STP facilities (43 MLD Jajmau Phase-II, 210 MLD Bingawan & 42 MLD Sajari) in Kanpur under Hybrid Annuity based PPP mode.

While the Jal Nigam will be the principal executing agency and bidding authority for the Project, NMCG will be responsible for making payments to the Concessionaire and Project Engineer.

2. HYBRID ANNUITY MODEL (HAM)

Government of India has approved the Namami Gange program as an integrated approach for effective abatement of pollution in river Ganga and Yamuna. As part of this and to ensure that no untreated domestic sewage flow into the river Ganga and Yamuna, various interventions are planned such as Interception & Diversion works and development & operation of Sewage Treatment Plants (STPs).

Considering various development models in practice for the construction, operation and maintenance of Sewage Treatment Plants, Government of India has approved the Hybrid Annuity based Public Private Partnership (PPP) mode as one of the options for the development & operation of STPs. Under this model, private investor/developer will design, build, finance, construct, rehabilitate, renovate, operate and maintain the asset (STPs, IPS, and MPS) to the Project Executing Agency/Jal Nigam at the end of the Concession Period (15 years). 40% of the Capital cost will be paid to the developer during construction of the STP. Balance 60% along with Operation & Maintenance (O&M) cost will be paid over the Concession Period on achievement of key performance indicators as per the contract. Entire cost of development and operation of the STPs will be 100% funded by the Government of India as central sector scheme.

NMCG & UPJN appointed M/s. Shah Technical Consultant Pvt. Ltd., as third party engineering firm as Project Engineer for this project through tendering process. Letter of Award is issued dated 4th February 2019 and agreement signed between the parties on 12th April 2019.

3. OBJECTIVES

To achieve above objectives, effective development of three new STP facilities at Pankha, Unnao and Shuklaganj with O&M for 15 years, rehabilitation of existing Jajmau 130 MLD STP with O&M for 15 years and O&M of existing 210 MLD USAB based Bingawan STP facilities, 43 MLD Jajmau and for 42 MLD Sajari STP facilities for 15 years are proposed under this program. The objectives that NMCG and the UP Jal Nigam wish to achieve through the Project are mentioned in Figure 1.

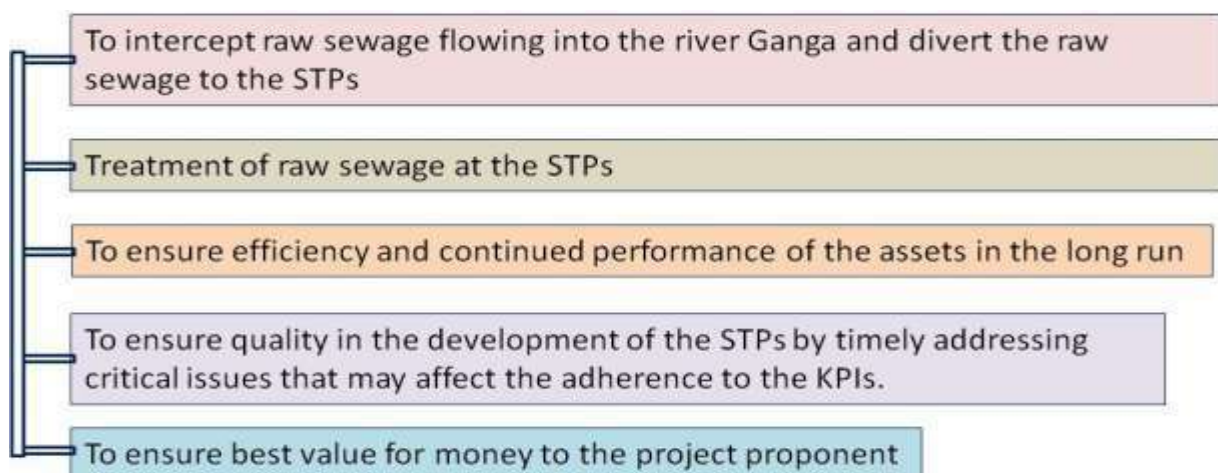


Figure 1: Objectives of NMCG and UP JAL NIGAM

4. HAM KANPUR PROJECT AT A GLANCE

Details of HAM Kanpur project are given in the following table:

Table 2.1: HAM Kanpur Project at a Glance

| | | |
|-----------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name of Project | : | Development of new Sewage Treatment Plants and O&M for 15 years, Rehabilitation of existing Sewage Treatment Infrastructure and O&M for 15 years in Kanpur under One City One Operator concept through Hybrid Annuity based PPP mode. (HAM – Kanpur) |
| Client | : | National Mission for Clean Ganga (NMCG), New Delhi and UP Jal Nigam |
| Execution Agency | : | Uttar Pradesh Jal Nigam (UPJN) |
| Consultant | : | Shah Technical Consultants (P) Ltd. as ‘Project Engineer’ |
| Agreement & LOA | : | STC Agreement dated 12.04.2019 & LOA: Pr-12012/41/2018-PPP/NMCG dated 04.02.2019 |
| Concessionaire | : | Kanpur River Management Private Limited (KRMPL) an SPV of Shapoorji Pallonji & Company Private Limited, Mumbai |
| Concessionaire’s Agreement | : | 14/GM/2018-19 dated 21.12.2018 |
| Cost of Project (CAPEX+OPEX) | : | Rs. 816.25 Cr. (CAPEX 255.50 Cr. + OPEX 560.75 Cr.) |
| Effective Date | : | 11.10.2019 |
| Completion date (as per contract) | : | 24 Months from effective date (21 months construction + 3 months trial run) |
| O&M period | : | 15 years after last Commercial Operation Date (COD) |
| Description of Work | : | <ul style="list-style-type: none"> ➤ Construction of three new STPs (SBR) at different locations (30 MLD at Pankha, 15 MLD at Unnao and 5 MLD STP at Shuklaganj) and related infrastructure with 15 years of O&M; ➤ Rehabilitation of 130 MLD (Phase-I) STP at Jajmau with construction of 200 MLD TEPS and 173 MLD CCT at Jajmau with O&M for 15 years; ➤ O&M of 43 MLD (Phase-II) Jajmau facilities, O&M of 210 MLD Bingawan facilities and O&M of 42 MLD Sajari facilities for 15 years; |

5. PROJECT WISE DETAILS OF COMPONENTS UNDER HAM KANPUR PROJECT

HAM Kanpur project is divided into 5 districts of the Kanpur– Pankha (District –III, Kanpur), Unnao & Shuklaganj – (District Unnao), Jajmau – (District I, Kanpur), Bingawan – (District II, Kanpur) and Sajari – (District IV, Kanpur).

Under this project, development and O&M work of total seven STP facilities are proposed in which three new STP facilities based on SBR technology with associated infrastructure have been proposed for - 30 MLD Pankha (District III, Kanpur), 15 MLD Unnao&5 MLD Shuklaganj.

Rehabilitation and O&M for 15 years is proposed for 130 MLD Jajmau STP facilities (Phase-I) and O&M of 210 MLD USAB based Bingawan STP facilities, 43 MLD Jajmau Phase-II and for 42 MLD ASP based Sajari STP facilities for 15 years.

5.1 PANKHA FACILITIES

Project wise components details of Pankha Facilities are given in table 5.1:

Table 5.1: Pankha Facilities

| SN | STP Facilities | Capacity/dia. /size | No. of units/length |
|------|------------------------------------------------------|------------------------|------------------------|
| | Date of Start- Effective Date (11.10.2019) | | |
| | Scope of Work- New Construction and O&M | | |
| 1.1 | STP | 30 MLD | 1 |
| 1.2 | MPS | 115MLD | 1 |
| 1.3 | ICI Nala IPS | 25 MLD | 1 |
| 1.4 | Sundar Nagar IPS | 20 MLD | 1 |
| 1.5 | Thermal Nala (A)(tapping) | 22 MLD | 1 |
| 1.6 | Thermal Nala (B)(tapping) | 8 MLD | 1 |
| 1.7 | ICI Nala (tapping) | 7.85 MLD | 1 |
| 1.8 | Rising main (ICI Nala IPS to collection chamber) | 800mm- ϕ | 6.91km |
| 1.9 | Rising main (Sundar Nagar IPS to collection chamber) | 800mm- ϕ | 0.651km |
| 1.10 | Common Gravity main (collection chamber to MPS) | 2000mm- ϕ | 1.948Km |
| 1.11 | Sewage network | 350mm- ϕ | 2.771km |
| | | 400 mm- ϕ | 1.359km |
| | | 450 mm- ϕ | 1.272km |
| | | 500 mm- ϕ | 1.243km |
| | | 600 mm- ϕ | 1.778km |
| | | 700 mm- ϕ | 1.487km |
| | | 800 mm- ϕ | 1.012km |
| | | 900 mm- ϕ | 2.170km |
| | | 1200 mm- ϕ | 3.634km |
| | | 1600 mm- ϕ | 1.596km |
| | | 2000 mm- ϕ | 1.948km |

5.2 UNNAO FACILITIES

Project wise components details of Unnao Facilities are given in table 5.2:

Table 5.2: Unnao Facilities

| SN | STP Facilities | Capacity/dia. /size | No. of units/length |
|------|---------------------------------------------------|------------------------|------------------------|
| | Date of Start- Effective Date (11.10.2019) | | |
| | Scope of Work- New Construction and O&M | | |
| 1.1 | STP | 15 MLD | 1 |
| 1.2 | Sump cum Pump house (MPS) | 40 MLD | 1 |
| 1.3 | Trunk Sewer | 1200mm ϕ | 3.6Km |
| 1.4 | I&D works (Nala tapping) | 90 MLD | 1 |
| 1.5 | Trash screen | 7mx1.7mx 0.8m | 1 |
| 1.6 | Grit chamber | 12mx4m x1m | 2 |
| 1.7 | Collection chamber | 3mx5.3mx2m | 1 |
| 1.8 | Rising main (MPS to STP) | 750mm ϕ | 100m |
| 1.9 | Rising main (bypass) | 750mm ϕ | 100m |
| 1.10 | Effluent gravity channel (STP to discharge point) | 1.5m x1.0m | 300m |
| 1.11 | Effluent disposal drain | 700mm | 570m |

5.3 SHUKLAGANJ STP FACILITIES

Project wise components details of Shuklaganj STP are given in table 5.3:

Table 5.3: Shuklaganj Facilities

| SN | STP Facilities | Capacity/dia. /size | No. of units/length |
|-----|--------------------------------------------|------------------------|------------------------|
| | Date of Start- Effective Date (11.10.2019) | | |
| | Scope of Work- New Construction and O&M | | |
| 1.1 | STP | 5 MLD | 1 |
| 1.2 | Sump cum Pump house (MPS) | 20 MLD | 1 |
| 1.3 | Connecting sewer (in zone 2) | 400-500mm ϕ | 200m |
| | Effluent Disposal line | 400mm ϕ | 310m |
| | (I&D to STP) | 600mm ϕ | 430m |
| 1.4 | I&D works (Nala tapping) | 45 MLD | 1 |
| 1.5 | Collection chamber | 3.5mx3.6mx1m | 1 |
| 1.6 | Rising main (MPS to STP) | 500mm ϕ | 50m |
| 1.7 | Rising main (bypass) | 500mm ϕ | 50m |
| 1.9 | Effluent channel (STP to discharge point) | 1.5m x1m | 100m |

5.4 JAJMAU (PHASE I) FACILITIES

Project wise components details of Jajmau are given in table 5.4:

Table 5.4: Jajmau Facilities

| SN | STP Facilities | Capacity/dia. /size | No. of units/length |
|-----|-----------------------------------------------|---------------------|---------------------|
| | Date of Start- Effective Date (11.10.2019) | | |
| | Scope of Work- Renovation and O&M | | |
| 1.1 | STP 1 on ASP technology with power Generation | 130 MLD | 1 |
| 1.2 | Sump cum Pump house (TEPH) | 200 MLD | 1 |
| 1.3 | CCT | 173 MLD | 1 |
| 1.4 | Nawabganj IPS | 1.09 MLD | 1 |
| 1.5 | Parmat IPS | 54.24 MLD | 1 |
| 1.6 | Baba Ghat / Muar mill IPS | 4.03 MLD | 1 |
| 1.7 | Guptar Ghat IPS | 1.44 MLD | 1 |
| 1.8 | Jajmau CPCS | 136 MLD | 1 |

5.5 JAJMAU PHASE II STP FACILITY

Project wise components details of Jajmau Phase II are given in table 5.4:

| SN | STP Facilities | Capacity/ dia. /size | No. of units/length |
|-----|-----------------------------------------------|-------------------------|------------------------|
| | Schedule Handing Over Date- 01.10.2019 | | |
| | Scope of Work- O&M | | |
| 1.1 | STP 2 on ASP technology with power Generation | 43 MLD | 1 |
| 1.2 | Sanjaypuram IPS | 3.5 MLD | 1 |
| 1.3 | Khalasi lane IPS | 45 MLD | 1 |
| 1.4 | Jajmau MPS | 25 MLD | 1 |

5.6 BINGAWAN FACILITIES

Project wise component detail of Bingawan is given in table 5.5:

Table 5.5: Bingawan Facilities

| SN | STP Facilities | Capacity /dia. /size | No. of units/length |
|-----|---------------------------------------------------|----------------------------|------------------------|
| | Schedule Handing Over Date- 01.04.2019 | | |
| | Scope of Work- Renovation and O&M for 15 years | | |
| 1.1 | STP on UASB Technology with power generation | 210 MLD | 1 |
| 1.2 | Installation of online monitoring system (RTOLMS) | | L.S. |
| 1.3 | Bingawan MPS | 200 MLD | 1 |
| 1.4 | Rakhimandi IPS | 100 MLD | 1 |
| 1.5 | Halwakhanda IPS | 20 MLD | 1 |
| 1.6 | Munshipurwa IPS | 67 MLD | 1 |
| 1.7 | ShisamauNala (tapping) | 8MLD | 1 |

5.7 SAJARI FACILITIES

Project wise component detail of Sajari is given in table 5.6

Table 5.6: Sajari Facilities

| SN | STP Facilities | Capacity/dia. /size | No. of units/length |
|-----|----------------------------------------|------------------------|------------------------|
| | Schedule Handing Over Date- 11.10.2019 | | |
| | Scope of Work- O&M for 15 years | | |
| 1.1 | STP on ASP technology | 42 MLD | 1 |
| 1.2 | MPS | 42 MLD | 1 |
| 1.3 | Chakeri IPS | 14 MLD | 1 |
| 1.4 | Sanigawan IPS | 14 MLD | 1 |

6. PHYSICAL PROGRESS OF WORK

As per the provision of Concessionaire Agreement, effective date of the project was to be declared before 19th April 2019. Effective date for work execution under HAM Kanpur project was declared on 11th October 2019. Hence, work related to construction / execution of new STP facilities and related infrastructure i.e.

- i. transfer of land for STP in Pankha from KDA;
- ii. permission of laying of sewer line along road in Pankha from KDA;
- iii. Unnao & Shuklaganj and renovation of existing facilities i.e. Jajmau 130 MLD started after effective date.

The overall physical progress of the facilities have been taken in the same proportion as financial progress as per milestones in approved Construction Plan. Overall progress can be monitored as project works have been divided in eight milestones each having progress of 12.5%. Due to COVID-19 nationwide lockdown, progress of work was hampered. Once process of unlock started, the Concessionaire was asked to speed up the work. The Concessionaire submitted revised construction plan compensating relevant construction milestone works with extended timeline. The scheduled date of project completion was 10th October 2021 i.e. 24 months from the effective date. The progress of construction of new STP facilities is given in following headings.

6.1 MILESTONE WISE ACTIVITIES AND PROGRESS: PANKHA STP FACILITIES

- Total 56 nos. of manpower / workers are deployed at the site. KRMPL need to increase the manpower over 200-250 as directed by the Mr. Rajat Kumar Gupta, SWMS, NMCG during site visit dated 08.07.2021 so that simultaneous works on multiple site could be started to achieve the target on time;
- 1st, 2nd & 3rd milestone have been completed. 4th milestone completed on 01.07.2021 (as per revised construction plan). Works of 5th & 6th milestone are in progress.
- 5th milestone is due on 01.08.2021. Till date approx 58.0% progress out of target of 62.50% has been done.
- Works of sewer laying were not completed. There was delay in clearance for road cutting from KDA at some parts. Now permission has been granted from KDA for Road cutting. Total 4.6 kms lines has been laid against 16.62 Kms;
- Railway crossing permission has been obtained and crossing works completed. NHAI permission regarding road cutting has not received yet. Necessary document has been sent to Bank for release of required BG.
- Power connection application under process between KESCO and Dakshinanchal Power. KESCO can give connection within 1 month by laying 2.25 km line whereas, from Dakshinanchal Power 15 km line would be needed to give connection along with crossing of NH and two railway lines which is a long process.
- KRMPL need to expedite construction works to achieve timely completion of the project.

SUMMARY OF OVERALL PROGRESS AT PANKHA STP TILL 31.07.2021

| Milestone | Milestone Amount | Targeted Progress till 31.07.2021 | | |
|-------------------------|-----------------------|-----------------------------------|---------------|---------------|
| | | Milestone Amount | % Target | % Achieved |
| 1st milestone | 1248,39,750.00 | 1248,39,750 | 12.50% | 12.50% |
| 2nd milestone | 1248,39,750.00 | 1248,39,750 | 12.50% | 12.50% |
| 3rd Milestone | 1248,39,750.00 | 1248,39,750 | 12.50% | 12.50% |
| 4th Milestone | 1248,39,750.00 | 1060,41,924 | 12.50% | 10.62% |
| 5th Milestone | 1248,39,750.00 | 232,76,878 | 12.50% | 2.33% |
| 6th milestone | 1248,39,750.00 | 404,93,673 | - | 4.05% |
| 7th milestone | 1248,39,750.00 | 348,70,895 | - | 3.49% |
| 8th milestone | 1248,39,750.00 | - | | |
| Overall Progress | 9987,18,000.00 | 5792,02,620.00 | 62.50% | 57.99% |
| Total % | 100.00% | | 62.50% | 57.99% |

Milestone wise activities and their progress of work for Pankha STP are given in table 6.1:

Table 6.1: Milestone wise Progress – 30 MLD Pankha STP (31.07.2021)

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|----------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| 1 | SBR Basin Area | | | | | | | | |
| | CIVIL WORK | | | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |
| | PCC | | - | | - | | - | | - |
| | RCC Foundation/Raft | | - | | - | | - | | - |
| | Wall 50% of total lift work | | - | | - | | - | | - |
| | Walls (balance 50% of Total Lift work) | 38% | 93,46,480 | | - | | - | | - |
| | Baffle Walls work | 40% | 49,19,200 | 2% | 2,45,960 | | - | | - |
| | Walkway/Platform | 28% | 34,43,440 | 5% | 6,14,900 | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| | MECHANICAL WORK | | - | | - | | - | | - |
| | A. DECANTERS | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | | | - | | - | | - | | - |
| | B. DIFFUSERS | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | 50% | 104,53,300 | 50% | 104,53,300 |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | | | - | | - | | - | | - |
| | C. RAS & SAS PUMPS | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | 50% | 104,53,300 | 50% | 104,53,300 |
| | (ii) On completion of erection works | | - | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|----------|----------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | | | - | | - | | - | | - |
| | D. PIPES & FITTINGS | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| 2 | Chlorine Contact Tank Area | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |
| | PCC | | - | | - | | - | | - |
| | RCC Foundation/Raft | | - | | - | | - | | - |
| | Wall 50% of total lift work | | - | | - | | - | | - |
| | Walls (balance 50% of Total Lift work) | | - | | - | | - | | - |
| | Baffle Walls work | 25% | 9,22,350 | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| 3 | Chlorination House Area | | - | | - | | - | | - |
| | CIVIL WORK | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |
| | PCC | | - | | - | | - | | - |
| | RCC Foundation/Column footing | | - | | - | | - | | - |
| | Column & Beam | | - | | - | | - | | - |
| | Ground floor Slab | 60% | 5,53,410 | | - | | - | | - |
| | Column & Beam | | - | | - | | - | | - |
| | Roof Slab | | - | 100% | 18,44,700 | | - | | - |
| | Brickwork & Plaster | 25% | 4,61,175 | 25% | 4,61,175 | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|----------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | Finishing Work | | - | | - | | - | | - |
| | MECHANICAL WORK | | - | | - | | - | | - |
| | A. CHLORINATION SYSTEM | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | | | - | | - | | - | | - |
| | B. HOIST WORKS | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | 100% | 7,83,998 | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | | | - | | - | | - | | - |
| | ELECTRICAL & INSTRUMENTATION WORK | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| 4 | Sludge Thickener Area | | - | | - | | - | | - |
| | CIVIL WORK | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |
| | PCC | | - | | - | | - | | - |
| | RCC Foundation wall/base slab | | - | | - | | - | | - |
| | Wall 50% of total lift work | | - | | - | | - | | - |
| | Walls (balance 50% of Total Lift work) | 40% | 11,06,820 | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| | MECHANICAL WORK | | - | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|----------|-------------------------------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | SLUDGE THICKENER MECHANISM | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | 100% | 47,03,985 | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| 5 | Inlet / Stilling Chamber Area | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |
| | PCC | | - | | - | | - | | - |
| | RCC Foundation/Column footing | | - | | - | | - | | - |
| | Column & Beam | | - | | - | | - | | - |
| | RCC Slab | 100% | 9,22,350 | | - | | - | | - |
| | RCC Wall | 100% | 12,29,800 | | - | | - | | - |
| | Final finishing including Staircases,Railing,Shade,Painting, etc. | | - | | - | | - | | - |
| 6 | Manual & Mechanical Fine Bar Screen Chamber Area | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |
| | PCC | | - | | - | | - | | - |
| | RCC Foundation | | - | | - | | - | | - |
| | Column & Beam | | - | | - | | - | | - |
| | RCC Slab | | - | 50% | 6,14,900 | | - | | - |
| | RCC Wall | | - | | - | | - | | - |
| | Walkway/Platform | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| 7 | Grit Chamber (Mechanical Cleaned) & (Manually Cleaned) | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|----------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | PCC | | - | | - | | - | | - |
| | RCC Foundation | | - | | - | | - | | - |
| | Column & Beam | | - | | - | | - | | - |
| | RCC Slab | | - | 80% | 9,83,840 | | - | | - |
| | RCC Wall | | - | | - | | - | | - |
| | Walkway/Platform | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| | MECHANICAL WORK | | - | | - | | - | | - |
| | A.MECHANICAL FINE SCREEN | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | 100% | 20,90,660 | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | B.MANUAL FINE SCREEN | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | 100% | 31,35,990 | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | C.GATES | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | D.CONVEYOR BELTS | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | 100% | 20,90,660 | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | E. GRIT MECHANISM | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | 100% | 52,26,650 | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|----------|---------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | | | - | | - | | - | | - |
| 8 | Flow Measurement Channel Area | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |
| | PCC | | - | | - | | - | | - |
| | RCC Foundation | | - | | - | | - | | - |
| | Column & Beam | 40% | 7,37,880 | | - | | - | | - |
| | RCC Slab | | - | 30% | 7,37,880 | | - | | - |
| | RCC Wall | | - | | - | | - | | - |
| | Walkway/Platform | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| 9 | Admin Bldg Area | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |
| | PCC | | - | | - | | - | | - |
| | Column footings/Foundation | | - | | - | | - | | - |
| | Column & Beam | 20% | 3,68,940 | | - | | - | | - |
| | Ground Floor Slab | | - | 30% | 5,53,410 | | - | | - |
| | 1st Floor Slab | | - | | - | | - | | - |
| | Roof Slab | | - | | - | | - | | - |
| | Brickwork & Plaster | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| | ELECTRICAL WORK | | - | | - | | - | | - |
| | LT/HT PANEL | | - | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|----------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | (i) On supply of machinery/equipment at site | 50% | 36,92,995 | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | PLC/SCADA SYSTEM | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | | | - | | - | | - | | - |
| 10 | Air Blower Room Area | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | 50% | 1,53,725 | | - | | - | | - |
| | PCC | 50% | 2,30,588 | | - | | - | | - |
| | Column footings/Foundation | 100% | 15,37,250 | | - | | - | | - |
| | Column & Beam | 100% | 15,37,250 | | - | | - | | - |
| | RCC Ground Floor Slab | | - | | - | | - | | - |
| | RCC Roof Slab | | - | | - | | - | | - |
| | Brickwork & Plaster | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| | MECHANICAL WORK | | - | | - | | - | | - |
| | AIR BLOWER(PUMP) | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | ELECTRICAL WORK | | - | | - | | - | | - |
| | AIR BLOWER(MOTOR) | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|-----------|--------------------------------------------------------------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| 11 | Staff Quarter Area | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |
| | PCC | | - | | - | | - | | - |
| | RCC Foundation/column footing | | - | 100% | 12,91,290 | | - | | - |
| | Column & Beam | | - | 50% | 6,45,645 | | - | | - |
| | RCC Ground Floor Slab | | - | | - | | - | | - |
| | RCC Roof Slab | | - | | - | | - | | - |
| | Brickwork & Plaster | | - | | - | | - | | - |
| | Electrical work | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| 12 | Guard Room Area | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |
| | PCC | | - | | - | | - | | - |
| | RCC Foundation/column footing | | - | | - | | - | | - |
| | Column & Beam | | - | | - | | - | | - |
| | RCC Ground Floor Slab | | - | | - | | - | | - |
| | RCC Roof Slab | | - | | - | | - | | - |
| | Brickwork & Plaster | | - | | - | | - | | - |
| | Electrical work | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| 13 | Sludge Dewatering System Area (Centrifuge Pump House, Sludge sump & Poly dosing tank) | | - | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|----------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |
| | PCC | | - | | - | | - | | - |
| | RCC Foundation | 100% | 15,37,250 | | - | | - | | - |
| | 1st Column & Beam | 100% | 30,74,500 | | - | | - | | - |
| | Ground Floor Slab | | - | | - | | - | | - |
| | 2nd Column & Beam | | - | | - | | - | | - |
| | RCC Roof Slab | | - | | - | | - | | - |
| | Brickwork & Plaster | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| | MECHANICAL WORK | | - | | - | | - | | - |
| | CENTRIFUGE UNIT | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | 100% | 39,19,988 |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | CENTRIFUGE FEED PUMP | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | 100% | 26,13,325 | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | POLY DOSING PUMPS | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| 14 | Supernatant Recirculation Sump Area | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|------------------------------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | PCC | | - | | - | | - | | - |
| | RCC Foundation wall/base slab | | - | | - | | - | | - |
| | Wall 50% of total lift work | 60% | 16,60,230 | | - | | - | | - |
| | Walls (balance 50% of Total Lift work) | 90% | 24,90,345 | 10% | 2,76,705 | | - | | - |
| | Final finishing including Staircases,Railing,Shade,Painting etc. | | - | | - | | - | | - |
| | MECHANICAL WORK | | - | | - | | - | | - |
| | PUMPING SYSTEM | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | 100% | 54,87,983 | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | | | - | | - | | - | | - |
| 15 | Transformer Yard Area | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation & PCC | | - | | - | | - | | - |
| | Foundation Work | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| | ELECTRICAL WORK | | - | | - | | - | | - |
| | TRANSFORMER | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | 100% | 31,35,990 | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | CABLE & CABLE TRAY | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| 16 | DG Area | | - | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|-----------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation & PCC | | - | | - | | - | | - |
| | Foundation Work | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| | ELECTRICAL WORK | | - | | - | | - | | - |
| | DG SET | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | CABLE & CABLE TRAY | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| 17 | Sludge Storage Platform | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation & PCC | | - | | - | | - | | - |
| | Foundation Work | | - | | - | | - | | - |
| | Finishing work | | - | | - | | - | | - |
| 18 | EXTERNAL DEVELOPMENT | | - | | - | | - | | - |
| A. | Roads, Storm Water Drain & Miscellaneous work | | - | | - | | - | | - |
| B. | Compound Wall with Gate | | - | | - | | - | | - |
| | Excavation & PCC | | - | | - | | - | | - |
| | RCC Column footing | 5% | 3,07,450 | 5% | 3,07,450 | | - | | - |
| | RCC Column & Beam | 7% | 4,30,430 | 5% | 3,07,450 | | - | | - |
| | Brickwork & Plaster | 32% | 19,67,680 | | - | | - | | - |
| | Finishing Work | | - | 20% | 12,29,800 | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|-----------------------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| 19 | MPS-2 (115MLD) | | - | | - | | - | | - |
| | CIVIL | | - | | - | | - | | - |
| A | Construction of Raw Sewage Sump | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |
| | PCC | | - | | - | | - | | - |
| | RCC Foundation/Raft | | - | | - | | - | | - |
| | Wall 50% of total lift work | | - | | - | | - | | - |
| | Column & Beam | 35% | 13,42,341 | | - | | - | | - |
| | Walls (balance 50% of Total Lift work) | 40% | 15,34,104 | | - | | - | | - |
| | Ground Floor Slab | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| B | Construction of Inlet Chamber & Screen Channel | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |
| | PCC | | - | | - | | - | | - |
| | RCC Foundation/Raft | 100% | 17,04,560 | | - | | - | | - |
| | Wall 50% of total lift work | 100% | 17,04,560 | | - | | - | | - |
| | Walls (balance 50% of Total Lift work) | 25% | 4,26,140 | | - | 25% | 4,26,140 | | - |
| | Walkway/Platform | | - | | - | | - | | - |
| C | Construction of Raw Sewage Pump House | | - | | - | | - | | - |
| | Column & Beam | | - | | - | | - | | - |
| | Roof Slab | | - | | - | | - | | - |
| | Brickwork & Plaster | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| D | MECHANICAL WORK | | - | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|----------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | Coarse Screen mechanical & manual | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | 100% | 45,27,738 | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | Piping & Support work | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | 25% | 11,31,934 |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | Gate Work | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | Pumps | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | 100% | 99,61,023 | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| 20 | ICI Nala IPS | | - | | - | | - | | - |
| | CIVIL | | - | | - | | - | | - |
| A | Construction of Raw Sewage Sump | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |
| | PCC | | - | | - | | - | | - |
| | RCC Foundation/Raft | | - | | - | | - | | - |
| | Wall 50% of total lift work | | - | | - | | - | | - |
| | Column & Beam | | - | | - | | - | | - |
| | Walls (balance 50% of Total Lift work) | 60% | 15,33,600 | | - | 40% | 10,22,400 | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|-----------------------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | Ground Floor Slab | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| B | Construction of Inlet Chamber & Screen Channel | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | 100% | 3,40,800 | | - | | - | | - |
| | PCC | 100% | 5,11,200 | | - | | - | | - |
| | RCC Foundation/Raft | 100% | 8,52,000 | | - | | - | | - |
| | Wall 50% of total lift work | 100% | 8,52,000 | | - | | - | | - |
| | Walls (balance 50% of Total Lift work) | | - | 30% | 2,55,600 | | - | | - |
| | Walkway/Platform | | - | | - | | - | | - |
| | Finishing work | | - | | - | | - | | - |
| C | Construction of Raw Sewage Pump House | | - | | - | | - | | - |
| | Column & Beam | | - | | - | | - | | - |
| | Roof Slab | | - | | - | | - | | - |
| | Brickwork & Plaster | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| D | Construction of Office Room | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation & PCC | | - | | - | | - | | - |
| | RCC Foundation/column footing | | - | | - | | - | | - |
| | Column & Beam | | - | | - | | - | | - |
| | RCC Ground floor Slab | | - | | - | | - | | - |
| | RCC Roof Slab | | - | | - | | - | | - |
| | Brick work & Plaster | | - | | - | | - | | - |
| | Electrification, plumbing, fixtures | | - | | - | | - | | - |
| | Finishing work | | - | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|----------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| E | Construction of Guard Room | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation & PCC | | - | | - | | - | | - |
| | RCC Foundation/column footing | | - | | - | | - | | - |
| | Column & Beam | | - | | - | | - | | - |
| | RCC Ground floor Slab | | - | | - | | - | | - |
| | RCC Roof Slab | | - | | - | | - | | - |
| | Brick work & Plaster | | - | | - | | - | | - |
| | Electrification, plumbing, fixtures | | - | | - | | - | | - |
| | Finishing work | | - | | - | | - | | - |
| F | Transformer Yard,DG Yard | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation & PCC | | - | | - | | - | | - |
| | Foundation Work | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| G | MECHANICAL WORK | | - | | - | | - | | - |
| | Piping & Support work | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | 25% | 2,26,387 |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | Screen Channel | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | Pumps | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|----------------------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| H | ELECTRICAL WORK | | - | | - | | - | | - |
| | Cable Tray & Earthing Work | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | Transformer | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | DG | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| I | Construction of Boundary wall & Internal Road | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation & PCC | 30% | 95,882 | | - | | - | 20% | 63,921 |
| | RCC Column footing | | - | | - | | - | 50% | 2,13,070 |
| | RCC Column & Beam | | - | | - | | - | 40% | 1,27,842 |
| | Brickwork & Plaster | | - | | - | | - | | - |
| | Finishing | | - | | - | | - | | - |
| | Construction of Internal road | | - | | - | | - | | - |
| 21 | IPS-6 (Sundar Nagar- 20 MLD)-Pankha Area | | - | | - | | - | | - |
| | CIVIL | | - | | - | | - | | - |
| A | Construction of Raw Sewage Sump | | - | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|-----------------------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation | | - | | - | | - | | - |
| | PCC | | - | | - | | - | | - |
| | RCC Foundation/Raft | | - | | - | | - | | - |
| | Wall 50% of total lift work | 10% | 2,55,600 | | - | | - | | - |
| | Column & Beam | 40% | 10,22,400 | | - | | - | | - |
| | Walls (balance 50% of Total Lift work) | 25% | 6,39,000 | | - | | - | | - |
| | Ground Floor Slab | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| B | Construction of Inlet Chamber & Screen Channel | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation & PCC | 30% | 1,27,800 | | - | | - | | - |
| | RCC Foundation/Raft | 80% | 3,40,800 | 20% | 85,200 | | - | | - |
| | Wall 50% of total lift work | 20% | 85,200 | 80% | 3,40,800 | | - | | - |
| | Walls (balance 50% of Total Lift work) | | - | | - | | - | | - |
| | Walkway/Platform | | - | | - | | - | | - |
| | Finishing work | | - | | - | | - | | - |
| C | Construction of Raw Sewage Pump House | | - | | - | | - | | - |
| | Column & Beam | | - | | - | | - | | - |
| | Roof Slab | | - | | - | | - | | - |
| | Brickwork & Plaster | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| D | Construction of Office Room | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation & PCC | | - | | - | | - | | - |
| | RCC Foundation/column footing | | - | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|----------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | Column & Beam | | - | | - | | - | | - |
| | RCC Ground floor Slab | | - | | - | | - | | - |
| | RCC Roof Slab | | - | | - | | - | | - |
| | Brick work & Plaster | | - | | - | | - | | - |
| | Electrification, plumbing, fixtures | | - | | - | | - | | - |
| | Finishing work | | - | | - | | - | | - |
| E | Construction of Guard Room | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation & PCC | | - | | - | | - | | - |
| | RCC Foundation/column footing | 100% | 6,39,000 | | - | | - | | - |
| | Column & Beam | | - | 50% | 1,06,500 | | - | | - |
| | RCC Ground floor Slab | | - | | - | | - | | - |
| | RCC Roof Slab | | - | | - | | - | | - |
| | Brick work & Plaster | | - | | - | | - | | - |
| | Electrification, plumbing, fixtures | | - | | - | | - | | - |
| | Finishing work | | - | | - | | - | | - |
| F | Transformer Yard,DG Yard | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation & PCC | | - | | - | | - | | - |
| | Foundation Work | | - | | - | | - | | - |
| | Finishing Work | | - | | - | | - | | - |
| G | MECHANICAL WORK | | - | | - | | - | | - |
| | Piping & Support work | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | 25% | 2,71,664 |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|----------------------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | Screen Channel | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | Pumps | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| H | ELECTRICAL WORK | | - | | - | | - | | - |
| | Cable Tray & Earthing Work | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | Transformer | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| | DG | | - | | - | | - | | - |
| | (i) On supply of machinery/equipment at site | | - | | - | | - | | - |
| | (ii) On completion of erection works | | - | | - | | - | | - |
| | (iii) On completion of Testing of equipment | | - | | - | | - | | - |
| I | Construction of Boundary wall & Internal Road | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Excavation & PCC | | - | | - | | - | | - |
| | RCC Column footing | | - | | - | | - | | - |
| | RCC Column & Beam | | - | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|------------------------------------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|--------------------------------|-------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | Brickwork & Plaster | | - | | - | | - | | - |
| | Construction of Internal road | | - | | - | | - | | - |
| | Finishing | | - | | - | | - | | - |
| 22 | I&D Works | | - | | - | | - | | - |
| A | ICI Nala | | - | | - | | - | | - |
| | Construction Work | 2% | 44,480 | 4% | 88,960 | | - | | - |
| | Tapping of Nallahs | | - | | - | | - | | - |
| | Electro-Mechanical work | | - | | - | | - | | - |
| | Testing | | - | | - | | - | | - |
| B | Thermal Nala -A | | - | | - | | - | | - |
| | Construction Work | 30% | 6,67,200 | | - | | - | | - |
| | Tapping of Nallahs | | - | | - | | - | | - |
| | Electro-Mechanical work | | - | | - | | - | | - |
| | Testing | | - | | - | | - | | - |
| C | Thermal Nala -B | | - | | - | | - | | - |
| | Construction Work | | - | | - | | - | | - |
| | Tapping of Nallahs | | - | | - | | - | | - |
| | Electro-Mechanical work | | - | | - | | - | | - |
| | Testing | | - | | - | | - | | - |
| 23 | Rising Main Works | | - | | - | | - | | - |
| A | ICI Nala Area | | - | | - | | - | | - |
| | Site Cleance from Client | | - | | - | | - | | - |
| | Supply of Pipes | 24.0% | 12,24,000 | 20% | 10,20,000 | 25% | 12,75,000 | | - |
| | Excavation,Laying & backfilling of Pipes | | - | | - | | - | | - |
| | Testing | | - | | - | | - | | - |
| B | Sundar Nagar IPS Area | | - | | - | | - | | - |

| S N | Description of Items | Achieved against 4th Milestone | | Achieved against 5th Milestone | | Achieved against 6th Milestone | | Achieved against 7th Milestone | |
|--------|-------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|
| | | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) | % | Amount(Rs.) |
| | Site Cleance from Client | | - | | - | | - | | - |
| | Supply of Pipes | 30% | 15,30,000 | | - | 30% | 15,30,000 | 40% | 20,40,000 |
| | Excavation,Laying & backfilling of Pipes | | - | | - | | - | | - |
| | Testing | | - | | - | | - | | - |
| 24 | Sewer System Area (RCC Pipes-NP3 Types) | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Supply of pipes | 9% | 144,40,884 | | - | | - | | - |
| | Excavation and Laying of pipes including bed preperation & backfilling | 12% | 12,03,407 | 6% | 6,01,704 | 4% | 4,01,136 | | - |
| | Manholes | 25% | 25,07,098 | 7% | 7,01,987 | 4% | 4,01,136 | | - |
| | Testing | | - | | - | | - | | - |
| | Road Restoration work | | - | | - | | - | | - |
| 25 | Design ,Supply,Testing & Commissioning of Sewer line (crossing National Highway-2 & Railway Track) | | - | | - | | - | | - |
| | Statutory approvals from Railway & Road dept | | - | 50% | - | | - | | - |
| | Supply of Carrier & Casing Pipes | | - | | - | 57% | 64,11,551 | 18% | 20,24,700 |
| | Construction of Pit | | - | | - | 45% | 4,21,813 | 5% | 46,868 |
| | Excavation & Laying of Pipes thru Jack push method | | - | | - | 30% | 16,87,250 | 20% | 11,24,834 |
| | Testing | | - | | - | | - | 27% | 2,53,088 |
| 26 | Design ,Supply,Testing & Commissioning of Treated Effulent line from STP to River Pandu | | - | | - | | - | | - |
| | Site Clearance | | - | | - | | - | | - |
| | Construction of Effluent line from STP to River Pandu | | - | | - | | - | 35% | 25,20,000 |
| | Testing | | - | | - | | - | | - |
| | TRIAL RUN & COMMISSIONING | | - | | - | | - | | - |
| | Trial Run & Commissioning | | - | | - | | - | | - |
| | Total Amount | | 1060,41,924 | | 232,76,878 | | 404,93,673 | | 348,70,895 |

PHOTOGRAPHS OF PANKHA STP SITE



Boundary Wall



Sludge Thickener & Centrifuge Building



Supernatant Sump



Chlorination Building & CCT



PTU Units



IPS Sundar Nagar



Screen Channel & I/D, ICI nala



RCC pipe 1600 dia testing for reinforcements

6.2 MILESTONE WISE ACTIVITIES AND PROGRESS: UNNAO STP

- Total 74 nos. of manpower / workers were deployed at the site on 31.07.2021. KRMPL need to increase the manpower 200-250 as directed by the Mr. R. K. Gupta, SWMS, NMCG visit on dated 09.07.2021, so that simultaneous works on multiple site could be started to achieve the target on time;
- 1st, 2nd and 3th milestone have been completed. 4th milestone completion was due on dated 25.06.2021 as per revised approved construction plan (UPJN 1291/M-18/09 dated 31.05.2021) which is not completed till date;
- 5th milestone was due on 15.07.2021 for which progress is not significant 6th milestone completion date is 05.08.2021. Total progress of work till 31.07.2021 is approx 46.0% out of the target of 72.0%. Major part of 5th and 6th milestone progress is supply of E&M items. KRMPL need to increase the manpower and expedite the supply of E&M items to enhance the progress;
- Approx 2100m sewer has been laid out of 3.2km. Highway road cutting permission for trenchless laying of sewer has been given by PWD. Procedure for 300m road cutting has been started and discussion with three parties (due to involvement of Gov and private land) is in process;
- Power connection - request letter to release the necessary funds for power connection at Unnao STP site has been sent to NMCG on dated 05.06.2021;
- KRMPL need to expedite the works to complete the project on time.
- Entrance gates (1 main gate + 1 alternate), Internal roads, staff quarter and labour huts with all basic facilities need to be established by the Concessionaire on urgent basis.
- Number of CCTVs units need to be increased from at present 2 nos. to minimum 4 nos;
- Development of site and plantation work need to be started.

SUMMARY OF OVERALL PROGRESS AT UNNAO STP TILL 31.07.2021

| Milestone | Milestone Amount | Targeted Progress till 31.07.2021 | | |
|-------------------------|-----------------------|-----------------------------------|---------------|---------------|
| | | Achieved Milestone Amount | % Target | % Achieved |
| 1st milestone | 478,36,250.00 | 478,36,250.00 | 12.50% | 12.50% |
| 2nd milestone | 478,36,250.00 | 478,36,250.00 | 12.50% | 12.50% |
| 3rd Milestone | 478,36,250.00 | 478,36,250.00 | 12.50% | 12.50% |
| 4th Milestone | 478,36,250.00 | 322,30,103.10 | 12.50% | 8.42% |
| 5th Milestone | 478,36,250.00 | 1,71,805.00 | 12.50% | 0.04% |
| 6th milestone | 478,36,250.00 | | 9.50% | - |
| 7th milestone | 478,36,250.00 | | | |
| 8th milestone | 478,36,250.00 | | | |
| Overall Progress | 3826,90,000.00 | 1759,10,658.10 | 72.00% | 45.97% |
| Total % | 100.00% | | 72.00% | 45.97% |

Milestone wise activities and their progress of work for Unnao STP are given in following table 6.2

TABLE 6.2: MILESTONE WISE PROGRESS – 15 MLD UNNAO STP (31.07.2021)

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|---------|----------------------------------------|---------------------------------------------------|--------------|------------------------------------------------------------|--------------|-----------------------------------------------------|--------------|--------------------------------------------------------------|--------|----------------------------------------------------|--------------|-------------------------------------------------------------|--------|
| | | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount |
| i) | SBR Basin Area | | | | | | | | | | | | |
| 1 | Site Clearance | | | | | | | | | | | | |
| 2 | Excavation wall footing | | | | - | | | | | | | | |
| 3 | PCC wall footing | | | | - | | | | | | | | |
| 4 | RCC Foundation/Raft of wall | | | | - | | | | | | | | |
| 5 | Wall 50% of total upto base slab | | | | - | | | | | | | | |
| 6 | Walls (balance 50% of upto base slab) | | - | | - | | | | | | | | |
| 7 | PCC Base Slab | | - | | - | | - | | | | | | |
| 8 | RCC Foundation base slab | 75% | 20,59,603.20 | 75% | 20,59,603.20 | | - | | | | - | | |
| 9 | Wall 50% of total lift work | | - | | - | 100% | 27,46,137.60 | | - | | - | | |
| 10 | Walls (balance 50% of Total Lift work) | | - | | - | 100% | 27,46,137.60 | | | | - | | |
| 11 | Walkway/Platform | | - | | - | 100% | 27,46,137.60 | | | | - | | |
| 12 | Piping & fitting works | | - | | - | | - | | | 100% | 21,96,910.08 | | |
| 13 | Testing /Finishing works | | - | | - | | - | | | | - | | |
| ii) | Sludge Thickener Area | | | | 0 | | | | | | | | |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|---------|----------------------------------------|---------------------------------------------------|-----------|------------------------------------------------------------|-----------|-----------------------------------------------------|-------------|--------------------------------------------------------------|--------|----------------------------------------------------|--------|-------------------------------------------------------------|--------|
| | | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount |
| 1 | Site Clearance | | - | | - | | - | | - | | - | | - |
| 2 | Excavation | | - | | - | | - | | - | | - | | - |
| 3 | PCC | | - | | - | | - | | - | | - | | - |
| 4 | RCC Foundation Wall/base slab | | - | | - | | - | | - | | - | | - |
| 5 | Wall 50% of total lift work | | - | | - | | - | | - | | - | | - |
| 6 | Walls (balance 50% of Total Lift work) | 25% | 94,633.55 | 25% | 94,633.55 | | - | | - | | - | | - |
| 7 | Testing /Finishing works | | - | | - | 100% | 3,08,000.00 | | - | | - | | - |
| iii | Supernatant Sump Area | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | - | | - | | - |
| 2 | Excavation | | - | | - | | - | | - | | - | | - |
| 3 | PCC | | - | | - | | - | | - | | - | | - |
| 4 | RCC Foundation wall/base slab | | - | | - | | - | | - | | - | | - |
| 5 | Wall 50% of total lift work | | - | | - | | - | | - | | - | | - |
| 6 | Walls (balance 50% of Total Lift work) | | - | | - | | - | | - | | - | | - |
| 7 | Testing /Finishing works | 100% | 85,800.00 | | - | | - | | - | | - | | - |
| iv | Chlorination Tank Area | | | | 0 | | | | | | | | |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|---------|----------------------------------------|---------------------------------------------------|-------------|------------------------------------------------------------|-------------|-----------------------------------------------------|--------|--------------------------------------------------------------|---|----------------------------------------------------|--------|----------------------------------------------------------------|---|
| | | % | Amount | | | % | Amount | | | % | Amount | | |
| 1 | Site Clearance | | - | | - | | - | | - | | - | | - |
| 2 | Excavation | | - | | - | | - | | - | | - | | - |
| 3 | PCC | | - | | - | | - | | - | | - | | - |
| 4 | RCC Foundation/Raft | | - | | - | | - | | - | | - | | - |
| 5 | Wall 50% of total lift work | | - | | - | | - | | - | | - | | - |
| 6 | Walls (balance 50% of Total Lift work) | | - | | - | | - | | - | | - | | - |
| 7 | Baffle Walls work | | - | | - | | - | | - | | - | | - |
| 8 | Testing /Finishing works | 100 % | 4,57,000.00 | | - | | - | | - | | - | | - |
| v | Air Blower Room Area | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | - | | - | | - |
| 2 | Excavation | | - | | - | | - | | - | | - | | - |
| 3 | PCC | | - | | - | | - | | - | | - | | - |
| 4 | RCC Foundation/column footing | | - | | - | | - | | - | | - | | - |
| 5 | Column & Beam | | - | | - | | - | | - | | - | | - |
| 6 | RCC Roof Slab | 100 % | 8,29,801.60 | | - | | - | | - | | - | | - |
| 7 | Cable Trench Work | 100 % | 6,86,534.40 | 100 % | 6,86,534.40 | | - | | - | | - | | - |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|---------|----------------------------------------------|---------------------------------------------------|-------------|------------------------------------------------------------|-------------|-----------------------------------------------------|-------------|--------------------------------------------------------------|--------|----------------------------------------------------|-------------|-------------------------------------------------------------|--------|
| | | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount |
| 8 | RCC Ground floor Grade Slab | 100 % | 6,86,534.40 | 100 % | 6,86,534.40 | | - | | | | - | | |
| 9 | Brick work | | - | | - | 100 % | 6,25,168.00 | | | | - | | |
| 10 | Plaster | | - | | - | | - | | | 100 % | 1,71,633.60 | | |
| 11 | Testing/Finishing work | | - | | - | | - | | | | - | | |
| vi | Staff Quarter Area (G+1) | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | | | - | | |
| 2 | Excavation | | - | | - | | - | | | | - | | |
| 3 | PCC | | - | | - | | - | | | | - | | |
| 4 | RCC Foundation/column footing | | - | | - | | - | | | | - | | |
| 5 | Column & Beam | | - | | - | | - | | | | - | | |
| 6 | RCC Ground floor Slab | | - | | - | | - | | | | - | | |
| 7 | RCC 1st floor Slab | | - | | - | | - | | | | - | | |
| 8 | RCC Roof Slab | | - | | - | | - | | | | - | | |
| 9 | Brick work | 100 % | 67,000.00 | 80% | 53,600.00 | | - | | | | - | | |
| 10 | Plaster | | - | | - | 100 % | 67,000.00 | | | | - | | |
| 11 | Plumbing, fixtures , sanitary works, AC work | | - | | - | | - | | | 100 % | 67,000.00 | | |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|---------|-------------------------------|---------------------------------------------------|-------------|------------------------------------------------------------|---|-----------------------------------------------------|-----------|--------------------------------------------------------------|---|----------------------------------------------------|--------|-------------------------------------------------------------|---|
| | | % | Amount | | | % | Amount | | | % | Amount | | |
| 12 | Electrification work | | - | | - | | - | | - | | - | | - |
| 13 | Finishing works | | - | | - | | - | | - | | - | | - |
| vii | Guard Room Area | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | - | | - | | - |
| 2 | Excavation | | - | | - | | - | | - | | - | | - |
| 3 | PCC | | - | | - | | - | | - | | - | | - |
| 4 | RCC Foundation/column footing | | - | | - | | - | | - | | - | | - |
| 5 | Column & Beam | | - | | - | | - | | - | | - | | - |
| 6 | RCC Ground floor Slab | | - | | - | | - | | - | | - | | - |
| 7 | RCC Roof Slab | | - | | - | | - | | - | | - | | - |
| 8 | Brick work | | - | | - | | - | | - | | - | | - |
| 9 | Plaster | | - | | - | | - | | - | | - | | - |
| 10 | Plumbing, fixtures | 100 % | 1,14,422.40 | | - | | - | | - | | - | | - |
| 11 | Sanitary works, AC work | 100 % | 64,422.40 | | - | | - | | - | | - | | - |
| 12 | Electrification work | | - | | - | 100 % | 32,211.00 | | - | | - | | - |
| 13 | Finishing works | | - | | - | 100 % | 32,211.00 | | - | | - | | - |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|---------|-------------------------------|---------------------------------------------------|-------------|------------------------------------------------------------|-------------|-----------------------------------------------------|-------------|--------------------------------------------------------------|--------|----------------------------------------------------|-------------|-------------------------------------------------------------|--------|
| | | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount |
| viii | Chlorination Room Area | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | - | | - | | - |
| 2 | Excavation | | - | | - | | - | | - | | - | | - |
| 3 | PCC | | - | | - | | - | | - | | - | | - |
| 4 | RCC Foundation/Column footing | | - | | - | | - | | - | | - | | - |
| 5 | Column & Beam | | - | | - | | - | | - | | - | | - |
| 6 | Ground floor Slab | | - | | - | | - | | - | | - | | - |
| 7 | Roof Slab | 50% | 2,43,267.20 | 50% | 2,43,267.20 | | - | | - | | - | | - |
| 8 | Brickwork | 100% | 2,96,689.60 | 25% | 74,172.40 | | - | | - | | - | | - |
| 9 | Plaster | | - | | - | 100% | 2,57,689.60 | | - | | - | | - |
| 10 | Testing/Finishing works | | - | | - | | - | | - | 100% | 4,11,000.00 | | - |
| ix | Admin Bldg Area (G+1) | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | - | | - | | - |
| 2 | Excavation | | - | | - | | - | | - | | - | | - |
| 3 | PCC | | - | | - | | - | | - | | - | | - |
| 4 | Column footings/Foundation | 50% | 59,219.03 | 50% | 59,219.03 | | - | | - | | - | | - |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|---------|--------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------|------------------------------------------------------------|---|-----------------------------------------------------|-------------|--------------------------------------------------------------|---|----------------------------------------------------|-------------|-------------------------------------------------------------|--|
| | | % | Amount | | | % | Amount | | | % | Amount | | |
| 5 | Column & Beam up to First Floor | | - | | - | 100 % | 1,18,438.05 | | - | | - | | |
| 6 | 1st Floor Slab | | - | | - | 100 % | 1,35,357.77 | | | | - | | |
| 7 | Column & Beam First Floor to Roof Slab | | - | | - | | - | | | 100 % | 1,18,438.05 | | |
| 8 | Roof Slab | | - | | - | | - | | | 100 % | 1,35,357.77 | | |
| 9 | Brickwork | | - | | - | | - | | | | - | | |
| 10 | Plaster | | - | | - | | - | | | | - | | |
| 11 | Electrification, plumbing, fixtures , sanitary works, AC work | | - | | - | | - | | | | - | | |
| 12 | finishing works | | - | | - | | - | | | | - | | |
| x | Sludge Dewatering System Area (Centrifuge Pump House, Sludge sump & Poly dosing tank) | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | | | - | | |
| 2 | Excavation | | - | | - | | - | | | | - | | |
| 3 | PCC | | - | | - | | - | | | | - | | |
| 4 | RCC Foundation | | - | | - | | - | | | | - | | |
| 5 | Column & Beam Upto First Floor | | - | | - | | - | | | | - | | |
| 6 | First Floor Slab | 100 % | 3,69,576.00 | | - | | - | | | | - | | |
| 7 | Column & Beam First Floor to Roof Slab | | - | | - | | - | | | | - | | |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|------------|-------------------------------------------------------------|---------------------------------------------------|-------------|------------------------------------------------------------|---|-----------------------------------------------------|-------------|--------------------------------------------------------------|--|----------------------------------------------------|-------------|-------------------------------------------------------------|--|
| | | % | Amount | | | % | Amount | | | % | Amount | | |
| 8 | Roof Slab | | - | | - | 100 % | 3,19,576.00 | | | | - | | |
| 9 | Brickwork | | - | | - | | - | | | 100 % | 3,69,576.00 | | |
| 10 | Plaster | | - | | - | | - | | | 100 % | 3,19,576.00 | | |
| 11 | Piping & fittings Work | | - | | - | | - | | | | - | | |
| 12 | Testing/Finishing works | | - | | - | | - | | | | - | | |
| xi | Inlet Chamber Area | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | | | - | | |
| 2 | Excavation & PCC | 50% | 1,04,608.80 | | - | | - | | | | - | | |
| 3 | RCC Foundation/Column footing | 100 % | 4,18,435.20 | | - | | - | | | | - | | |
| 4 | Column & Beam | 100 % | 3,13,826.40 | | - | | - | | | | - | | |
| 5 | RCC Slab | | - | | - | 100 % | 3,13,826.40 | | | | - | | |
| 6 | RCC Wall | | - | | - | | - | | | 100 % | 2,89,652.40 | | |
| 7 | Testing/Finishing works | | - | | - | | - | | | | - | | |
| xii | Manual & Mechanical Fine Bar Screen Chamber Area | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | | | - | | |
| 2 | Excavation | | - | | - | | - | | | | - | | |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|---------|--------------------------|---------------------------------------------------|-------------|------------------------------------------------------------|--------|-----------------------------------------------------|-------------|--------------------------------------------------------------|--------|----------------------------------------------------|-------------|-------------------------------------------------------------|--------|
| | | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount |
| 3 | PCC | 100 % | 1,57,450.40 | | - | | - | | - | | - | | - |
| 4 | RCC Foundation | 100 % | 1,82,450.40 | | - | | - | | - | | - | | - |
| 5 | Column & Beam | 100 % | 1,82,450.40 | | - | | - | | - | | - | | - |
| 6 | RCC Slab | | - | | - | 100 % | 2,57,450.40 | | - | | - | | - |
| 7 | RCC Wall | | - | | - | 100 % | 1,71,633.60 | | - | | - | | - |
| 8 | Walkway/Platform | | - | | - | | - | | - | 100 % | 1,67,633.60 | | - |
| 9 | Testing/Finishing works | | - | | - | | - | | - | | - | | - |
| xiii | Grit Chamber Area | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | - | | - | | - |
| 2 | Excavation | | - | | - | | - | | - | | - | | - |
| 3 | PCC | 100 % | 2,68,267.20 | | - | | - | | - | | - | | - |
| 4 | RCC Foundation | 100 % | 2,68,267.20 | | - | | - | | - | | - | | - |
| 5 | Column & Beam | 100 % | 2,43,267.20 | | - | | - | | - | | - | | - |
| 6 | RCC Slab | | - | | - | 100 % | 2,43,267.20 | | - | | - | | - |
| 7 | RCC Wall | | - | | - | 100 % | 2,28,844.80 | | - | | - | | - |
| 8 | Walkway/Platform | | - | | - | | - | | - | 100 % | 2,28,844.80 | | - |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|---------|-------------------------------------|---------------------------------------------------|-------------|------------------------------------------------------------|---|-----------------------------------------------------|-------------|--------------------------------------------------------------|---|----------------------------------------------------|-------------|-------------------------------------------------------------|---|
| | | % | Amount | | | % | Amount | | | % | Amount | | |
| 9 | Testing/Finishing works | | - | | - | | - | | - | | - | | - |
| xiv | Parshall Flume Channel Area | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | - | | - | | - |
| 2 | Excavation | | - | | - | | - | | - | | - | | - |
| 3 | PCC | 100 % | 2,93,267.20 | | - | | - | | - | | - | | - |
| 4 | RCC Foundation | 100 % | 3,43,267.20 | | - | | - | | - | | - | | - |
| 5 | Column & Beam | 100 % | 3,43,267.20 | | - | | - | | - | | - | | - |
| 6 | RCC Slab | | - | | - | 100 % | 3,43,267.20 | | - | | - | | - |
| 7 | RCC Wall | | - | | - | 100 % | 3,43,267.20 | | - | | - | | - |
| 8 | Walkway/Platform | | - | | - | 100 % | 3,43,267.20 | | - | | - | | - |
| 9 | Piping & fitting Work | | - | | - | | - | | - | 100 % | 1,71,633.60 | | - |
| 10 | Testing | | - | | - | | - | | - | | - | | - |
| xv | Sludge Storage Platform Area | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | - | | - | | - |
| 2 | Excavation | | - | | - | 100 % | 1,00,000.00 | | - | | - | | - |
| 3 | PCC | | - | | - | | - | | - | 100 % | 2,50,000.00 | | - |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|---------|--------------------------------|---------------------------------------------------|--------|------------------------------------------------------------|--------|-----------------------------------------------------|-------------|--------------------------------------------------------------|--------|----------------------------------------------------|-------------|-------------------------------------------------------------|--------|
| | | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount |
| 4 | Foundation Work | | - | | - | | - | | - | | - | | - |
| 5 | Finishing work | | - | | - | | - | | - | | - | | - |
| xvi | Transformer Yard Area | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | 100 % | - | | - | | - | | - |
| 2 | Excavation | | - | | - | 100 % | 3,88,045.00 | | - | | - | | - |
| 3 | PCC | | - | | - | | - | | - | 100 % | 3,88,045.00 | | - |
| 4 | Foundation Work | | - | | - | | - | | - | | - | | - |
| xvii | DG Shed Area | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | 100 % | - | | - | | - | | - |
| 2 | Excavation | | - | | - | 100 % | 4,36,555.00 | | - | | - | | - |
| 3 | PCC | | - | | - | | - | | - | 100 % | 4,36,555.00 | | - |
| 4 | Foundation Work | | - | | - | | - | | - | | - | | - |
| xviii | EXTERNAL DEVELOPMENT | | | | 0 | | | | | | | | |
| | Boundary Wall with Gate | | | | - | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | - | | - | | - |
| 2 | Excavation | | - | | - | | - | | - | | - | | - |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|------------|--------------------------------------------------|---------------------------------------------------|-------------|------------------------------------------------------------|-------------|-----------------------------------------------------|-------------|--------------------------------------------------------------|--------|----------------------------------------------------|-------------|-------------------------------------------------------------|--------|
| | | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount |
| 3 | PCC | 15% | 75,318.75 | 10% | 50,212.50 | | - | | | | - | | |
| 4 | RCC Column footing | 15% | 75,318.75 | 10% | 50,212.50 | | - | | | | - | | |
| 5 | RCC Column & Beam | 16% | 80,340.00 | 10% | 50,212.50 | | - | | | | - | | |
| 6 | Brickwork | 22% | 1,10,467.50 | 20% | 1,00,425.00 | 8% | 40,170.00 | | | | - | | |
| 7 | Plaster | 15% | 75,318.75 | 15% | 75,318.75 | 30% | 1,50,380.15 | | | 13% | 65,276.25 | | |
| 8 | Retaining wall | 15% | 2,40,382.50 | 15% | 2,40,382.50 | 24% | 3,84,612.00 | | | 11% | 1,76,280.50 | | |
| 9 | Finishing Work | | - | | - | | - | | | | - | | |
| | Earthfilling, Internal Roads ,Landscaping | | - | | - | | - | | | | - | | |
| 1 | Earthfilling, Internal Roads ,Landscaping | | - | | - | | - | | | | - | | |
| B | I & D Work | | | | 0 | | | | | | | | |
| (i) | Approach Channel | | | | 0 | | | | | | | | |
| 1 | Excavation | | - | | - | | - | | | 100 % | 68,186.60 | | |
| 2 | PCC | | - | | - | | - | | | 100 % | 1,70,466.50 | | |
| 3 | RCC Foundation/Raft | | - | | - | | - | | | 100 % | 2,04,559.80 | | |
| 4 | wall | | - | | - | | - | | | | - | | |
| 5 | Testing/Finishing work | | - | | - | | - | | | | - | | |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|--------------|------------------------|---------------------------------------------------|--------|------------------------------------------------------------|---|-----------------------------------------------------|--------|--------------------------------------------------------------|--|----------------------------------------------------|-------------|-------------------------------------------------------------|--|
| | | % | Amount | | | % | Amount | | | % | Amount | | |
| (ii) | Inlet Chamber | | | | 0 | | | | | | | | |
| 1 | Excavation | | - | | - | | - | | | 100 % | 85,968.20 | | |
| 2 | PCC | | - | | - | | - | | | 100 % | 2,14,920.50 | | |
| 3 | RCC Foundation/Raft | | - | | - | | - | | | 100 % | 2,57,904.60 | | |
| 4 | wall | | - | | - | | - | | | | - | | |
| 5 | Testing/Finishing work | | - | | - | | - | | | | - | | |
| (iii) | Screen Channel | | | | 0 | | | | | | | | |
| 1 | Excavation | | - | | - | | - | | | 100 % | 68,789.70 | | |
| 2 | PCC | | - | | - | | - | | | 100 % | 1,71,974.25 | | |
| 3 | RCC Foundation/Raft | | - | | - | | - | | | 100 % | 2,06,369.10 | | |
| 4 | wall | | - | | - | | - | | | | - | | |
| 5 | Testing/Finishing work | | - | | - | | - | | | | - | | |
| (iv) | Grit Chamber | | | | 0 | | | | | | | | |
| 1 | Excavation | | - | | - | | - | | | 100 % | 70,669.70 | | |
| 2 | PCC | | - | | - | | - | | | 100 % | 1,76,674.25 | | |
| 3 | RCC Foundation/Raft | | - | | - | | - | | | 100 % | 2,12,009.10 | | |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|------------|----------------------------------------|---------------------------------------------------|-------------|------------------------------------------------------------|-------------|-----------------------------------------------------|-------------|--------------------------------------------------------------|-------------|----------------------------------------------------|-----------|-------------------------------------------------------------|--------|
| | | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount |
| 4 | wall | | - | | - | | - | | - | | - | | - |
| 5 | Testing/Finishing work | | - | | - | | - | | - | | - | | - |
| (v) | Collection Chamber | | | | 0 | | | | | | | | |
| 1 | Excavation | | - | | - | | - | | - | 100 % | 13,709.20 | | |
| 2 | PCC | | - | | - | | - | | - | 100 % | 34,273.00 | | |
| 3 | RCC Foundation/Raft | | - | | - | | - | | - | 100 % | 41,127.60 | | |
| 4 | wall | | - | | - | | - | | - | | - | | - |
| 5 | Testing/Finishing work | | - | | - | | - | | - | | - | | - |
| C | MPS-40 MLD | | | | 0 | | | | | | | | |
| | Civil Work | | | | - | | | | | | | | |
| i | Construction of Raw Sewage Sump | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | - | | - | | - |
| 2 | Excavation | | - | | - | | - | | - | | - | | - |
| 3 | PCC | | - | | - | | - | | - | | - | | - |
| 4 | RCC Foundation/Raft | 100 % | 6,87,220.00 | 100 % | 6,87,220.00 | | - | | - | | - | | - |
| 5 | Wall 50% of total lift work | | - | | - | 100 % | 6,87,220.00 | 25% | 1,71,805.00 | | - | | - |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|---------|-----------------------------------------------------------|---------------------------------------------------|-------------|---------------------------------------------------------|-------------|-----------------------------------------------------|-------------|-----------------------------------------------------------|--------|----------------------------------------------------|-------------|----------------------------------------------------------|--------|
| | | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount |
| 6 | Walls (balance 50% of Total Lift work) | | - | | - | 50% | 4,43,610.00 | | | 50% | 4,43,610.00 | | |
| 7 | Column & Beam | | - | | - | | - | | | 100% | 7,87,220.00 | | |
| 8 | Ground Floor Slab | | - | | - | | - | | | | - | | |
| 9 | Testing/Finishing work | | - | | - | | - | | | | - | | |
| ii | Construction of Raw Sewage Pump House | | | | 0 | | | | | | | | |
| 1 | Column & Beam | | - | | - | | - | | | | - | | |
| 2 | Roof Slab | | - | | - | | - | | | | - | | |
| 3 | Brickwork | | - | | - | | - | | | | - | | |
| 4 | Plaster | | - | | - | | - | | | | - | | |
| iii | Construction of Inlet Chamber & Screen Channel | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | | | - | | |
| 2 | Excavation | | - | | - | | - | | | | - | | |
| 3 | PCC | 100% | 1,84,837.50 | 100% | 1,84,837.50 | | - | | | | - | | |
| 4 | RCC Foundation/Raft | 100% | 1,84,837.50 | 100% | 1,84,837.50 | | - | | | | - | | |
| 5 | Wall 50% of total lift work | | - | | - | 100% | 1,84,837.50 | | - | | - | | |
| 6 | Walls (balance 50% of Total Lift work) | | - | | - | 100% | 1,84,837.50 | | | | - | | |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|----------|------------------------------------------------------------------------|---------------------------------------------------|--------------|------------------------------------------------------------|--------------|-----------------------------------------------------|--------------|--------------------------------------------------------------|--------|----------------------------------------------------|--------------|-------------------------------------------------------------|--------|
| | | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount |
| 7 | Column & Beam | | - | | - | | - | | | 100 % | 1,51,504.17 | | |
| 8 | Ground Floor Slab | | - | | - | | - | | | | - | | |
| 9 | Walkway/Platform | | - | | - | | - | | | | - | | |
| 10 | Testing/Finishing work | | - | | - | | - | | | | - | | |
| D | SEWER SYSTEM AREA (3.2 Km) | | | | 0 | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | | | - | | |
| | | | - | | - | | - | | | | - | | |
| 2 | Supply of pipes | 2% | 11,06,234.04 | 2% | 11,06,234.04 | | - | | | | - | | |
| 3 | Excavation and Laying of pipes including bed preparation & backfilling | 14% | 7,73,901.46 | 14% | 7,73,901.46 | 17% | 9,40,298.93 | | - | 23% | 12,72,169.15 | | |
| 4 | Manholes | 10% | 3,68,744.68 | 10% | 3,68,744.68 | 17% | 6,26,319.11 | | | 25% | 9,21,861.70 | | |
| 5 | Flow/Hydraulic Testing | | - | | - | 22% | 16,22,476.59 | | | 19% | 14,01,229.78 | | |
| 6 | Road restoration work | | - | | - | | - | | | 20% | 3,68,670.48 | | |
| E | RISING MAIN PIPING WORK (100 m) | | | | | | | | | | | | |
| 1 | Site Clearance | | - | | - | 100 % | - | | | | - | | |
| 2 | Supply of pipes | | - | | - | 100 % | 5,48,000.00 | | | | - | | |
| 3 | Cutting,Excavtion,Laying of Pipes, backfilling | | - | | - | | - | | | 62% | 42,470.00 | | |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|----------|--------------------------------------------------------------------------------|---------------------------------------------------|--------|------------------------------------------------------------|---|-----------------------------------------------------|--------------|--------------------------------------------------------------|--|----------------------------------------------------|-------------|-------------------------------------------------------------|--|
| | | % | Amount | | | % | Amount | | | % | Amount | | |
| 4 | Testing | | - | | - | | - | | | | - | | |
| F | EFFLUENT DISPOSAL SYSTEM | | | | 0 | | | | | | | | |
| | | | | | - | | | | | | | | |
| 1 | Site Clearance | | - | | - | | - | | | 100 % | - | | |
| 2 | Construction of Effluent Channel from Distribution Chamber to Agriculture Land | | - | | - | | - | | | 50% | 7,55,999.99 | | |
| 3 | Construction of Rectangular Channel from STP to Distribution Chamber | | - | | - | | - | | | 75% | 8,50,499.98 | | |
| 4 | Construction of Distribution Chamber | | - | | - | | - | | | | - | | |
| G | E&M WORK | | | | - | | | | | | | | |
| i) | GRIT CHAMBER AREA | | - | | - | | - | | | | - | | |
| | A.On supply - Grit Scraper Mechanism | | - | | - | | - | | | | - | | |
| | B.On Installation - Grit Scraper Mechanism | | - | | - | | - | | | | - | | |
| ii) | SLUDGE THICKENER AREA | | - | | - | | - | | | | - | | |
| | A.Supply - Sludge Thickener | | - | | - | 100 % | 12,80,000.00 | | | | - | | |
| | B.Installation - Sludge Thickener | | - | | - | | - | | | | - | | |
| iii) | TRANSFORMER YARD AREA | | - | | - | | - | | | | - | | |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|---------|-------------------------------------------------------------------|---------------------------------------------------|--------------|------------------------------------------------------------|--------------|-----------------------------------------------------|-------------|--------------------------------------------------------------|---|----------------------------------------------------|--------|----------------------------------------------------------------|---|
| | | % | Amount | | | % | Amount | | | % | Amount | | |
| | A.Supply - Transformer | | - | | - | | - | | - | | - | | - |
| | B.Installation - Transformer | | - | | - | | - | | - | | - | | - |
| iv) | DG SHED AREA | | - | | - | | - | | - | | - | | - |
| | A.Supply - DG | | - | | - | | - | | - | | - | | - |
| | B.Installation - DG | | - | | - | | - | | - | | - | | - |
| v) | MEP | | - | | - | | - | | - | | - | | - |
| | A.Supply - Screen | 100 % | 60,80,000.00 | | - | | - | | - | | - | | - |
| | B.Installation - Screen | | - | | - | | - | | - | | - | | - |
| | C.Supply - Hoist | | - | | - | 100 % | 5,60,000.00 | | - | | - | | - |
| | D.Installation - Hoist | | - | | - | | - | | - | | - | | - |
| | E.Supply - Pumps & Motors(MEP) | 100 % | 92,80,000.00 | 100 % | 92,80,000.00 | | - | | - | | - | | - |
| | F.Installation - Pumps & Motors(MEP) | | - | | - | | - | | - | | - | | - |
| | G.Supply - Gate & Valves(MPS) | 100 % | 41,60,000.00 | | - | | - | | - | | - | | - |
| | H.Installation - Gate & Valves(MPS) | | - | | - | | - | | - | | - | | - |
| | I.Supply Instruments(like flow meter, Guages, level, Transmitter) | | - | | - | | - | | - | | - | | - |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|---------|---------------------------------------------------------------------------|---------------------------------------------------|--------------|------------------------------------------------------------|--------------|-----------------------------------------------------|---------------|--------------------------------------------------------------|--------|----------------------------------------------------|---------------|----------------------------------------------------------------|--------|
| | | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount |
| | J.Installation - Instruments(like flow meter, Guages, level, Transmitter) | | - | | - | | - | | - | | - | | - |
| vi) | INLET CHAMBER AREA | | - | | - | | - | | - | | - | | - |
| | A.Supply - Gate & Valves(STP) | | - | | - | 100 % | 33,60,000.00 | | - | | - | | - |
| | B.Installation - Gate & Valves(STP) | | - | | - | | - | | - | | - | | - |
| vii) | FINE SCREEN AREA | | - | | - | | - | | - | | - | | - |
| | A.On supply -Fine Screen | 100 % | 25,60,000.00 | 100 % | 25,60,000.00 | | - | | - | | - | | - |
| | B.On Installation -Fine Screen | | - | | - | | - | | - | | - | | - |
| viii) | SBR BASIN AREA | | - | | - | | - | | - | | - | | - |
| | A..On supply - Decanter Equipment | | - | | - | 100 % | 154,40,000.00 | | - | | - | | - |
| | B..Installation - Decanter Equipment | | - | | - | | - | | - | | - | | - |
| | C.On supply - Diffuser | | - | | - | | - | | - | 100 % | 154,40,000.00 | | - |
| | D.On Installation - Diffuser | | - | | - | | - | | - | | - | | - |
| | E.On supply - RAS Pump, SAS Pump | 100 % | 43,20,000.00 | 100 % | 43,20,000.00 | | - | | - | | - | | - |
| | F.On Installation - RAS Pump, SAS Pump | | - | | - | | - | | - | | - | | - |
| | G.On supply - Chain Pulley Block | | - | | - | | - | | - | | - | | - |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|---------|---------------------------------------------------------------------------------------------------|---------------------------------------------------|--------|------------------------------------------------------------|---|-----------------------------------------------------|--------------|--------------------------------------------------------------|---|----------------------------------------------------|--------|----------------------------------------------------------------|---|
| | | % | Amount | | | % | Amount | | | % | Amount | | |
| | H.On Installation - Chain Pulley Block | | - | | - | | - | | - | | - | | - |
| ix) | AIR BLOWER ROOM | | - | | - | | - | | - | | - | | - |
| | A.Supply - Blower | | - | | - | 100 % | 48,00,000.00 | | - | | - | | - |
| | B. Installation - Blower | | - | | - | | - | | - | | - | | - |
| | C.Supply - Hoist Work | | - | | - | 100 % | 4,00,000.00 | | - | | - | | - |
| | D.Installation - Hoist Work | | - | | - | | - | | - | | - | | - |
| x) | CHLORINATION ROOM AREA | | - | | - | | - | | - | | - | | - |
| | A.Supply - Chlorination system(Dosing pumps, chlorinators, Tonnes, Chemicals & Piping work | | - | | - | 100 % | 23,20,000.00 | | - | | - | | - |
| | B. Installation - Chlorination system(Dosing pumps, chlorinators, Tonnes, Chemicals & Piping work | | - | | - | | - | | - | | - | | - |
| | C.Supply - Chlorine Nutrilisation Tank | | - | | - | | - | | - | | - | | - |
| | D.Installation - Chlorine Nutrilisation tank | | - | | - | | - | | - | | - | | - |
| | E.Supply - Hoist Work | | - | | - | 100 % | 5,60,000.00 | | - | | - | | - |
| | F.Installation - Hoist Work | | - | | - | | - | | - | | - | | - |
| xi) | CENTRIFUGE HOUSE & FEED PUMP AREA | | - | | - | | - | | - | | - | | - |

| Sr. No. | Description of Items | Milestone-4 (From 26th Mar'21 to 25th June'21) | | Milestone-4 Achieved (From 26th Mar'21 to 25th June'21) | | Milestone-5 (From 26th June'21 to 15th July'21) | | Milestone-5 Achieved (From 26th June'21 to 15th July'21) | | Milestone-6 (From 16th July'21 to 05th Aug'21) | | Milestone-6 Achieved (From 16th July'21 to 05th Aug'21) | |
|------------|-----------------------------------------------------------|---------------------------------------------------|----------------------|------------------------------------------------------------|----------------------|-----------------------------------------------------|----------------------|--------------------------------------------------------------|--------------------|----------------------------------------------------|----------------------|----------------------------------------------------------------|----------|
| | | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount | % | Amount |
| | A.On supply -Centrifuge & Feed Pump | 100 % | 82,40,000.00 | 100 % | 82,40,000.00 | | - | | | | - | | |
| | B.On Installation -Centrifuge & Feed Pump | | - | | - | | - | | | | - | | |
| xii) | ADMN BUILDING AREA | | - | | - | | - | | | | - | | |
| | A.Supply - PMCC work | | - | | - | | - | | | 100 % | 94,40,000.00 | | |
| | B.Installation - PMCC work | | - | | - | | - | | | | - | | |
| | C.Supply - PLC/SCADA Automation of MPS,STP,D.G set) | | - | | - | | - | | | 100 % | 80,00,000.00 | | |
| | D.Installation - PLC/SCADA Automation of MPS,STP,D.G set) | | - | | - | | - | | | | - | | |
| xiii) | TESTING OF E&M EQUIPMENT FOR STP & MPS | | - | | - | | - | | | | - | | |
| xiv) | EQUIPMENT TOOLS & MISC. | | - | | - | | - | | | | - | | |
| III | TRIAL RUN & COMMISSIONING | | | | 0 | | | | | | | | |
| 1 | Trial Run & Commissioning | | | | | | | | | | | | |
| | | | 478,36,250.00 | | 322,30,103.10 | | 478,36,250.00 | | 1,71,805.00 | | 478,36,250.00 | | - |

PHOTOGRAPHS OF UNNAO STP SITE



SBR wall lift work



MPS works Inspection by PE dated 13.07.2021



CCT Building work



1200 mm Sewer Laying works



Admin building foundation



Sludge Sump and centrifuge feed pump house



Staff Quarter



Unnao work inspection by CE, Lucknow dated 07.07.2021

6.3 MILESTONE WISE ACTIVITIES AND PROGRESS: SHUKLAGANJ STP

- Total 21 nos. of manpower are currently deployed at Shuklaganj STP site.
- Boundary wall: Site clearance and Excavation & PCC works in progress;
- Sludge Thickener Area – Site clearance and Excavation & PCC works in progress
- Guard Room: Site clearance and Excavation & PCC works in progress
- Footing marking completed SBR side;
- BEP vetting and approval is in progress. Permission for payment to ITR for vetting of structural drawings has been given by NMCG letter dated 23.07.2021. Payment for the same is in process by UPJN;
- Boundary wall of existing OHT has been dismantled and work front is available to KRMPL;
- Provision for cutting of trees as per requirement has been resolved with KRMPL. For approach road discussion with UPJN, KRMPL and Nagar Palika officials of Shuklaganj has been done.
- Milestone 1 works are in progress. Completion of Milestone 1 is scheduled on 01.09.2021. Total Progress till 31.07.2021 against approved construction plan (UPJN no. 1379/WS-97/152 dated 09.06.2021) milestone-1 is 7.17% against target progress of 10.16%;
- KRMPL needs to expedite the progress by increasing the manpower and working on multiple fronts.

SUMMARY OF OVERALL PROGRESS AT SHUKLAGANJ STP TILL 31.07.2021

| Milestone | Milestone Amount | Targeted Progress till 30.06.2021 | | |
|---------------------------|------------------|-----------------------------------|---------------|--------------|
| | | Achieved Milestone Amount | % Target | % Achieved |
| 1st milestone | 266,18,775.00 | 141,03,817.90 | 10.16% | 7.17% |
| 2nd milestone | 266,18,775.00 | 11,70,534.13 | | |
| 3rd Milestone | 266,18,775.00 | | | |
| 4th Milestone | 266,18,775.00 | | | |
| 5th Milestone | 266,18,775.00 | | | |
| 6th milestone | 266,18,775.00 | | | |
| 7th milestone | 266,18,775.00 | | | |
| 8th milestone | 266,18,775.00 | | | |
| Total | 2129,50,200.00 | 152,74,352.04 | 10.16% | 7.17% |
| Overall Progress % | 100.00% | | 10.16% | 7.17% |

Milestone wise activities and their progress of work for Shuklaganj STP are given in following table 6.3:

TABLE 6.3: MILESTONE WISE PROGRESS – 05 MLD SHUKLAGANJ STP (31.07.2021)

| Sr. No. | Description of Items | Milestone-1 (From 15th March.'21 to 1st Sep'21) | | Achieved against 1st Milestone | | Milestone-2 (From 2nd Sep'21 to 1st Nov.'21) | | Achieved against 2nd Milestone | |
|-----------|-------------------------------------------------------------|----------------------------------------------------|--------------|-----------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------|--------------|
| | | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) |
| I | Design & Drawing of STP | | | | | | | | |
| 1 | On approval of BEP | 100% | 53,23,755.00 | 100% | 53,23,755.00 | | | | |
| 2 | On approval of design & drawings for Civil & Sewerage works | 90% | 47,91,379.50 | 70% | 37,26,628.50 | 10% | 5,32,375.50 | | |
| | | | | | | | | | |
| II | CONSTRUCTION | | | | | | | | |
| A | SHUKLAGANJ STP (5 MLD) | | | | | | | | |
| i) | SBR Basin Area | | | | | | | | |
| 1 | Site Clearance | 100% | 4,79,137.96 | 100% | 4,79,137.96 | | | | |
| 2 | Excavation wall footing | 60% | 11,49,931.10 | | | 40% | 7,66,620.74 | | |
| 3 | PCC wall footing | 30% | 7,18,706.94 | | | 50% | 11,97,844.90 | | |
| 4 | RCC Foundation/Raft of wall | | - | | | 26% | 7,48,039.25 | | |
| 5 | Wall 50% of total upto base slab | | - | | | | - | | |
| 6 | Walls (balance 50% of upto base slab) | | - | | | | - | | |
| 7 | PCC Base Slab | | - | | | | - | | |
| 8 | RCC Foundation base slab | | - | | | | - | | |
| 9 | Wall 50% of total lift work | | - | | | | - | | |
| 10 | Walls (balance 50% of Total Lift work) | | - | | | | - | | |
| 13 | Hydro Testing /Finishing works | | - | | | | - | | |
| ii | Chlorination Tank Area | | | | | | | | |
| 1 | Site Clearance | 100% | 47,913.80 | 100% | 47,913.80 | | | | |
| 2 | Excavation | 100% | 3,11,439.70 | | | | | | |
| 3 | PCC | | - | | | 100% | 3,59,353.50 | | |
| 4 | RCC Foundation/Raft | | - | | | 100% | 5,98,922.50 | | |
| 5 | Wall 50% of total lift work | | - | | | | - | | |
| 6 | Walls (balance 50% of Total Lift work) | | - | | | | - | | |

| Sr. No. | Description of Items | Milestone-1 (From 15th March.'21 to 1st Sep'21) | | Achieved against 1st Milestone | | Milestone-2 (From 2nd Sep'21 to 1st Nov.'21) | | Achieved against 2nd Milestone | |
|---------|--------------------------------|----------------------------------------------------|--------------|-----------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------|--------------|
| | | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) |
| 7 | Baffle Walls work | | - | | | | - | | |
| 8 | Hydro Testing /Finishing works | | - | | | | - | | |
| iii | Chlorination Room Area | | | | | | | | |
| 1 | Site Clearance | 100% | 47,913.80 | 100% | 47,913.80 | | - | | |
| 2 | Excavation | 100% | 1,91,655.20 | | | | - | | |
| 3 | PCC | 100% | 2,39,569.00 | | | | - | | |
| 4 | RCC Foundation/Column footing | | - | | | 100% | 5,98,922.50 | | |
| 5 | Column & Beam | | - | | | 100% | 3,59,353.50 | | |
| 6 | Ground floor Slab | | - | | | | - | | |
| 7 | Roof Slab | | - | | | | - | | |
| 8 | Brickwork | | - | | | | - | | |
| 9 | Plaster | | - | | | | - | | |
| 10 | Testing/Finishing works | | - | | | | - | | |
| iv | Guard Room Area | | | | | | | | |
| 1 | Site Clearance | 100% | 33,539.66 | 100% | 33,539.66 | | | | |
| 2 | Excavation | 100% | 1,34,158.64 | 100% | 1,34,158.64 | | - | | |
| 3 | PCC | 100% | 1,67,698.30 | 100% | 1,67,698.30 | | - | | |
| 4 | RCC Foundation/column footing | 52% | 87,203.12 | 52% | 87,203.12 | 48% | 80,495.18 | 48% | 80,495.18 |
| 5 | Column & Beam | | - | | | 100% | 2,51,547.45 | 100% | 2,51,547.45 |
| 6 | RCC Ground floor Slab | | - | | | | - | | |
| 7 | RCC Roof Slab | | - | | | | - | | |
| 8 | Brick work | | - | | | | - | | |
| 9 | Plumbing, fixtures | | - | | | | - | | |
| 10 | Sanitary works | | - | | | | - | | |
| 11 | Electrification work | | - | | | | - | | |
| 12 | Plaster | | - | | | | - | | |

| Sr. No. | Description of Items | Milestone-1 (From 15th March.'21 to 1st Sep'21) | | Achieved against 1st Milestone | | Milestone-2 (From 2nd Sep'21 to 1st Nov.'21) | | Achieved against 2nd Milestone | |
|---------|------------------------------------------------------|----------------------------------------------------|--------------|-----------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------|--------------|
| | | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) |
| 13 | Finishing works | | - | | | | - | | |
| iv | Admin Bldg Area (G+1) | | | | | | | | |
| 1 | Site Clearance | 100% | 1,05,410.34 | 100% | 1,05,410.34 | | - | | |
| 2 | Excavation | 100% | 2,63,525.85 | | | | - | | |
| 3 | PCC | 100% | 3,68,936.19 | | | | - | | |
| 4 | Column footings/Foundation | | - | | | 80% | 4,21,641.36 | | |
| 5 | Column & Beam up to Floor Base slab | | - | | | | - | | |
| 6 | Floor base Slab | | - | | | | - | | |
| 7 | Column & Beam upto Roof Slab | | - | | | | - | | |
| 8 | 1st Floor Roof Slab | | | | | | | | |
| 9 | Brickwork | | | | | | | | |
| 10 | Electrification, plumbing, fixtures , sanitary works | | | | | | | | |
| 11 | Plaster | | | | | | | | |
| 12 | finishing works | | | | | | | | |
| v | Air Blower Room Area | | | | | | | | |
| 1 | Site Clearance | 100% | 95,827.60 | | | | | | |
| 2 | Excavation | 100% | 3,83,310.40 | | | | - | | |
| 3 | PCC | | | | | 100% | 7,18,707.00 | | |
| 4 | RCC Foundation/column footing | | - | | | | - | | |
| 5 | Column & Beam | | - | | | | - | | |
| 6 | RCC Roof Slab | | - | | | | - | | |
| 7 | Cable Trench Work | | - | | | | - | | |
| 8 | Brick work | | - | | | | - | | |
| 9 | Plaster | | - | | | | - | | |
| 10 | Testing/Finishing work | | - | | | | - | | |
| vi | Staff Quarter Area (G+1) | | | | | | | | |

| Sr. No. | Description of Items | Milestone-1 (From 15th March.'21 to 1st Sep'21) | | Achieved against 1st Milestone | | Milestone-2 (From 2nd Sep'21 to 1st Nov.'21) | | Achieved against 2nd Milestone | |
|---------|----------------------------------------------------------------|----------------------------------------------------|--------------|-----------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------|--------------|
| | | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) |
| 1 | Site Clearance | 100% | 33,539.66 | 100% | 33,539.66 | | | | |
| 2 | Excavation | 100% | 1,34,158.64 | | | | | | |
| 3 | PCC | 100% | 1,67,698.30 | | | | - | | |
| 4 | RCC Foundation/column footing | | - | | | 100% | 1,67,698.30 | | |
| 5 | Column & Beam upto ground floor slab | | - | | | 100% | 2,51,547.45 | | |
| 6 | RCC Ground floor Slab (Base floor slab) | | - | | | | - | | |
| 7 | Column upto roof slab & RCC 1st floor Slab | | - | | | | - | | |
| 8 | Brick work | | - | | | | - | | |
| 9 | Plumbing, fixtures , sanitary works | | - | | | | - | | |
| 10 | Electrification work | | - | | | | - | | |
| 11 | Plaster | | - | | | | - | | |
| 12 | Finishing works | | - | | | | - | | |
| vii | Inlet Chamber Area | | | | | | | | |
| 1 | Site Clearance | | - | | | | - | | |
| 2 | Excavation & PCC | | - | | | | | | |
| 3 | RCC Foundation/Column footing | | - | | | | | | |
| 4 | Column & Beam | | - | | | | - | | |
| 5 | RCC Slab | | - | | | | - | | |
| 6 | RCC Wall | | - | | | | - | | |
| 7 | Hydro Testing /Finishing works | | - | | | | - | | |
| viii | Manual & Mechanica Fine Bar Screen Chamber AreaArea | | | | | | | | |
| 1 | Site Clearance | | | | | | - | | |
| 2 | Excavation | | | | | | | | |
| 3 | PCC | | | | | | | | |
| 4 | RCC Foundation | | | | | | | | |
| 5 | Column & Beam | | | | | | | | |

| Sr. No. | Description of Items | Milestone-1 (From 15th March.'21 to 1st Sep'21) | | Achieved against 1st Milestone | | Milestone-2 (From 2nd Sep'21 to 1st Nov.'21) | | Achieved against 2nd Milestone | |
|---------|------------------------------------|----------------------------------------------------|--------------|-----------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------|--------------|
| | | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) |
| 6 | RCC Slab | | | | | | | | |
| 7 | RCC Wall | | | | | | | | |
| 8 | Walkway/Platform | | | | | | | | |
| 9 | Hydro Testing /Finishing works | | | | | | | | |
| ix | Grit Chamber Area | | | | | | | | |
| 1 | Site Clearance | | | | | | - | | |
| 2 | Excavation | | | | | | | | |
| 3 | PCC | | | | | | | | |
| 4 | RCC Foundation | | | | | | | | |
| 5 | Column & Beam | | | | | | | | |
| 6 | RCC Slab | | | | | | | | |
| 7 | RCC Wall | | | | | | | | |
| 8 | Walkway/Platform | | | | | | | | |
| 9 | Hydro Testing /Finishing works | | | | | | | | |
| x | Parshall Flume Channel Area | | | | | | | | |
| 1 | Site Clearance | | | | | | - | | |
| 2 | Excavation | | | | | | | | |
| 3 | PCC | | | | | | | | |
| 4 | RCC Foundation | | | | | | | | |
| 5 | Column & Beam | | | | | | | | |
| 6 | RCC Slab | | | | | | | | |
| 7 | RCC Wall | | | | | | | | |
| 8 | Walkway/Platform | | | | | | | | |
| 9 | Piping & fitting Work | | | | | | | | |
| 10 | Hydro Testing /Finishing works | | | | | | | | |

| Sr. No. | Description of Items | Milestone-1 (From 15th March.'21 to 1st Sep'21) | | Achieved against 1st Milestone | | Milestone-2 (From 2nd Sep'21 to 1st Nov.'21) | | Achieved against 2nd Milestone | |
|---------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------|-----------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------|--------------|
| | | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) |
| | | | | | | | | | |
| | xi Sludge Dewatering System Area (Centrifuge Pump House, Sludge sump & Poly dosing tank) | | | | | | | | |
| 1 | Site Clearance | | | | | | - | | |
| 2 | Excavation | | | | | | - | | |
| 3 | PCC | | | | | | - | | |
| 4 | RCC Foundation | | | | | | - | | |
| 5 | Column & Beam Upto First Floor | | | | | | - | | |
| 6 | First Floor Slab | | | | | | - | | |
| 7 | Column & Beam First Floor to Roof Slab | | | | | | - | | |
| 8 | Roof Slab | | | | | | - | | |
| 9 | Brickwork | | | | | | - | | |
| 10 | Plaster | | | | | | - | | |
| 11 | Piping & fittings Work | | | | | | - | | |
| 12 | Hydro Testing /Finishing works | | | | | | - | | |
| | xii Sludge Thickener Area | | | | | | | | |
| 1 | Site Clearance | 100% | 67,079.32 | 100% | 67,079.32 | | | | |
| 2 | Excavation | 100% | 4,36,015.58 | 100% | 4,36,015.58 | | | | |
| 3 | PCC | 100% | 5,03,094.90 | 100% | 5,03,094.90 | | | | |
| 4 | RCC Foundation Wall/base slab | | - | | | 100% | 8,38,491.50 | 100% | 8,38,491.50 |
| 5 | Wall 50% of total lift work | | - | | | | | | |
| 6 | Walls (balance 50% of Total Lift work) | | | | | | | | |
| 7 | Hydro Testing /Finishing works | | | | | | | | |
| | xiii Supernatant Sump Area | | | | | | | | |
| 1 | Site Clearance | 100% | 47,913.80 | | | | | | |
| 2 | Excavation | 100% | 3,11,439.70 | | | | | | |
| 3 | PCC | 100% | 3,59,353.50 | | | | | | |

| Sr. No. | Description of Items | Milestone-1 (From 15th March.'21 to 1st Sep'21) | | Achieved against 1st Milestone | | Milestone-2 (From 2nd Sep'21 to 1st Nov.'21) | | Achieved against 2nd Milestone | |
|---------|----------------------------------------|----------------------------------------------------|--------------|-----------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------|--------------|
| | | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) |
| 4 | RCC Foundation wall/base slab | 100% | 5,98,922.50 | | | | - | | |
| 5 | Wall 50% of total lift work | | - | | | 100% | 4,79,138.00 | | |
| 6 | Walls (balance 50% of Total Lift work) | | - | | | | - | | |
| 7 | Hydro Testing /Finishing works | | - | | | | - | | |
| xiv | Sludge Storage Platform Area | | | | | | | | |
| 1 | Site Clearance | | | | | | | | |
| 2 | Excavation | | | | | | | | |
| 3 | PCC | | | | | | | | |
| 4 | Foundation Work | | | | | | | | |
| 5 | Finishing work | | | | | | | | |
| xv | Transformer Yard Area | | | | | | | | |
| 1 | Site Clearance | | | | | | | | |
| 2 | Excavation | | | | | | | | |
| 3 | PCC | | | | | | | | |
| 4 | Foundation Work | | | | | | | | |
| xvi | DG Shed Area | | | | | | | | |
| 1 | Site Clearance | | | | | | | | |
| 2 | Excavation | | | | | | | | |
| 3 | PCC | | | | | | | | |
| 4 | Foundation Work | | | | | | | | |
| xvii | EXTERNAL DEVELOPMENT | | | | | | | | |
| | Boundary Wall with Gate | | | | | | | | |
| 1 | Site Clearance | 100% | - | | | | | | |
| 2 | Excavation | 40% | 10,79,829.90 | 35% | 9,44,851.16 | 20% | 5,39,914.95 | | |
| 3 | PCC | 30% | 10,79,829.90 | 22% | 7,91,875.26 | 20% | 7,19,886.60 | | |
| 4 | RCC Column footing | 30% | 10,79,829.90 | 15% | 5,39,914.95 | 20% | 7,19,886.60 | | |

| Sr. No. | Description of Items | Milestone-1 (From 15th March.'21 to 1st Sep'21) | | Achieved against 1st Milestone | | Milestone-2 (From 2nd Sep'21 to 1st Nov.'21) | | Achieved against 2nd Milestone | |
|------------|-----------------------------------------------------------|----------------------------------------------------|--------------|-----------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------|--------------|
| | | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) |
| 5 | RCC Column & Beam | 26% | 7,01,889.44 | 15% | 4,04,936.21 | 20% | 5,39,914.95 | | |
| 6 | Brickwork | | - | | | 20% | 5,39,914.95 | | |
| 7 | Plaster | | - | | | 15% | 2,69,957.48 | | |
| 8 | Finishing Work | | | | | | - | | |
| | Earthfilling, Internal Roads ,Landscaping | | | | | | | | |
| 1 | Earthfilling, Internal Roads ,Landscaping | | | | | | | | |
| B | MPS-20 MLD | | | | | | | | |
| | Civil Work | | | | | | | | |
| i | Construction of Raw Sewage Sump | | | | | | | | |
| 1 | Site Clearance | 100% | 1,71,655.18 | 100% | 1,71,655.18 | | | | |
| 2 | Excavation | 100% | 8,58,275.90 | | | | - | | |
| 3 | PCC | | - | | | 100% | 12,87,413.85 | | |
| 4 | RCC Foundation/Raft | | - | | | 100% | 17,16,551.80 | | |
| 5 | Wall 50% of total lift work | | - | | | | - | | |
| 6 | Walls (balance 50% of Total Lift work) | | - | | | | - | | |
| 7 | Column & Beam | | - | | | | - | | |
| 8 | Ground Floor Slab | | | | | | | | |
| 9 | Hydro Testing /Finishing works | | | | | | | | |
| ii | Construction of Raw Sewage Pump House | | | | | | | | |
| 1 | Column & Beam | | | | | | | | |
| 2 | Roof Slab | | | | | | | | |
| 3 | Brickwork | | | | | | | | |
| 4 | Plaster | | | | | | | | |
| iii | Construction of Inlet Chamber & Screen Channel | | | | | | | | |
| 1 | Site Clearance | 100% | 57,496.56 | 100% | 57,496.56 | | | | |
| 2 | Excavation | | - | | | | | | |

| Sr. No. | Description of Items | Milestone-1 (From 15th March.'21 to 1st Sep'21) | | Achieved against 1st Milestone | | Milestone-2 (From 2nd Sep'21 to 1st Nov.'21) | | Achieved against 2nd Milestone | |
|-------------|------------------------------------------------------------------------|----------------------------------------------------|--------------|-----------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------|--------------|
| | | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) |
| 3 | PCC | | - | | | | - | | |
| 4 | RCC Foundation/Raft | | - | | | | - | | |
| 5 | Wall 50% of total lift work | | - | | | | - | | |
| 6 | Walls (balance 50% of Total Lift work) | | | | | | | | |
| 7 | Column & Beam | | | | | | | | |
| 8 | Ground Floor Slab | | - | | | | - | | |
| 9 | Walkway/Platform | | | | | | | | |
| 10 | Hydro Testing /Finishing works | | | | | | | | |
| C | SEWER SYSTEM AREA | | | | | | | | |
| 1 | Site Clearance | | - | | | | | | |
| 2 | Supply of pipes | 55% | 39,89,740.22 | | | 35% | 25,38,636.80 | | |
| 3 | Excavation and Laying of pipes including bed preparation & backfilling | | - | | | 20% | 1,35,998.40 | | |
| 4 | Manholes | | - | | | | - | | |
| 5 | Flow Testing | | | | | | - | | |
| D | I & D Work | | | | | | | | |
| (i) | Approach Channel | | | | | | | | |
| 1 | Excavation | | - | | | | | | |
| 2 | PCC | | - | | | | - | | |
| 3 | RCC Foundation/Raft | | - | | | | - | | |
| 4 | wall | | | | | | | | |
| 5 | Hydro Testing /Finishing works | | | | | | | | |
| (ii) | Inlet Chamber | | | | | | | | |
| 1 | Excavation | | - | | | | | | |
| 2 | PCC | | - | | | | - | | |
| 3 | RCC Foundation/Raft | | - | | | | - | | |
| 4 | wall | | | | | | | | |

| Sr. No. | Description of Items | Milestone-1 (From 15th March.'21 to 1st Sep'21) | | Achieved against 1st Milestone | | Milestone-2 (From 2nd Sep'21 to 1st Nov.'21) | | Achieved against 2nd Milestone | |
|--------------|--------------------------------------|----------------------------------------------------|--------------|-----------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------|--------------|
| | | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) |
| 5 | Hydro Testing /Finishing works | | | | | | | | |
| (iii) | Screen Channel | | | | | | | | |
| 1 | Excavation | | - | | | | | | |
| 2 | PCC | | - | | | | - | | |
| 3 | RCC Foundation/Raft | | - | | | | - | | |
| 4 | wall | | - | | | | - | | |
| 5 | Hydro Testing /Finishing works | | - | | | | - | | |
| (iv) | Grit Chamber | | | | | | | | |
| 1 | Excavation | | - | | | | | | |
| 2 | PCC | | - | | | | - | | |
| 3 | RCC Foundation/Raft | | - | | | | - | | |
| 4 | wall | | - | | | | - | | |
| 5 | Hydro Testing /Finishing works | | - | | | | - | | |
| (v) | Collection Chamber | | | | | | | | |
| 1 | Excavation | | - | | | | | | |
| 2 | PCC | | - | | | | - | | |
| 3 | RCC Foundation/Raft | | - | | | | - | | |
| 4 | wall | | - | | | | - | | |
| 5 | Hydro Testing /Finishing works | | - | | | | - | | |
| E | EFFLUENT DISPOSAL SYSTEM | | | | | | | | |
| | | | | | | | | | |
| 1 | Site Clearance | | | | | | | | |
| 2 | Construction of Effluent Channel | | | | | | | | |
| F | E&M WORK | | | | | | | | |
| i) | GRIT CHAMBER AREA | | | | | | | | |
| | A.On supply - Grit Scraper Mechanism | | | | | 100% | 18,28,000.00 | | |

| Sr. No. | Description of Items | Milestone-1 (From 15th March.'21 to 1st Sep'21) | | Achieved against 1st Milestone | | Milestone-2 (From 2nd Sep'21 to 1st Nov.'21) | | Achieved against 2nd Milestone | |
|---------|---------------------------------------------------------------------------|----------------------------------------------------|--------------|-----------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------|--------------|
| | | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) |
| | B.On Installation - Grit Scraper Mechanism | | | | | | | | |
| ii) | SLUDGE THICKENER AREA | | | | | | | | |
| | A.Supply - Sludge Thickener | | - | | | | - | | |
| | B.Installation - Sludge Thickener | | | | | | | | |
| iii) | TRANSFORMER YARD AREA | | | | | | | | |
| | A.Supply - Transformer | | | | | | | | |
| | B.Installation - Transformer | | | | | | | | |
| iv) | DG SHED AREA | | | | | | | | |
| | A.Supply - DG | | | | | | | | |
| | B.Installation - DG | | | | | | | | |
| v) | MEP | | | | | | | | |
| | A.Supply - Screen | | | | | | - | | |
| | B.Installation - Screen | | | | | | | | |
| | C.Supply - Hoist | | | | | 100% | 4,68,000.00 | | |
| | D.Installation - Hoist | | | | | | | | |
| | E.Supply - Pumps & Motors(MEP) | | | | | 100% | 69,44,000.00 | | |
| | F.Installation - Pumps & Motors(MEP) | | | | | | | | |
| | G.Supply - Gates | | | | | | | | |
| | H.Supply - Valves(MPS) | | | | | | | | |
| | I.Installation - Gate & Valves(MPS) | | | | | | | | |
| | J.Installation - Gate & Valves(MPS) | | | | | | | | |
| | K.Supply Instruments(like flow meter, Guages, level, Transmitter) | | | | | | | | |
| | L.Installation - Instruments(like flow meter, Guages, level, Transmitter) | | | | | | | | |
| vi) | INLET CHAMBER AREA | | | | | | | | |

| Sr. No. | Description of Items | Milestone-1 (From 15th March.'21 to 1st Sep'21) | | Achieved against 1st Milestone | | Milestone-2 (From 2nd Sep'21 to 1st Nov.'21) | | Achieved against 2nd Milestone | |
|---------|---------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------|-----------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------|--------------|
| | | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) |
| | A.Supply - Gates | | | | | | | | |
| | B.Supply - Valves(STP) | | | | | | | | |
| | C.Installation - Gates | | | | | | | | |
| | D.Installation - Valves(STP) | | | | | | | | |
| vii) | FINE SCREEN AREA | | | | | | | | |
| | A.On supply -Fine Screen | | | | | | | | |
| | B.On Installation -Fine Screen | | | | | | | | |
| viii) | SBR BASIN AREA | | | | | | | | |
| | A..On supply - Decanter Equipment | | - | | | | - | | |
| | B..Installation - Decanter Equipment | | | | | | | | |
| | C.On supply - Diffuser | | - | | | | - | | |
| | D.On Installation - Diffuser | | | | | | | | |
| | E.On supply - RAS Pump, SAS Pump | | - | | | | - | | |
| | F.On Installation - RAS Pump, SAS Pump | | | | | | | | |
| | G.On supply - Chain Pulley Block | | - | | | | - | | |
| | H.On Installation - Chain Pulley Block | | | | | | | | |
| ix) | AIR BLOWER ROOM | | | | | | | | |
| | A.Supply - Blower | | - | | | | - | | |
| | B. Installation - Blower | | | | | | | | |
| | C.Supply - Hoist Work | | - | | | | - | | |
| | D.Installation - Hoist Work | | | | | | | | |
| x) | CHLORINATION ROOM AREA | | | | | | | | |
| | A.Supply - Chlorination system(Dosing pumps, chlorinators, Tonnes, Chemicals & Piping work | | - | | | | - | | |
| | B. Installation - Chlorination system(Dosing pumps, chlorinators, Tonnes, Chemicals & Piping work | | | | | | | | |

| Sr. No. | Description of Items | Milestone-1 (From 15th March.'21 to 1st Sep'21) | | Achieved against 1st Milestone | | Milestone-2 (From 2nd Sep'21 to 1st Nov.'21) | | Achieved against 2nd Milestone | |
|------------|-------------------------------------------------------|----------------------------------------------------|---------------|-----------------------------------|---------------|--------------------------------------------------|---------------|-----------------------------------|--------------|
| | | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) | % | Amount (Rs.) |
| | C.Supply - Chlorine Nutrilisation Tank | | | | | | | | |
| | D.Installation - Chlorine Nutrilisation tank | | | | | | | | |
| | E.Supply - Hoist Work | | | | | | | | |
| | F.Installation - Hoist Work | | | | | | | | |
| xi) | CENTRIFUGE HOUSE & FEED PUMP AREA | | | | | | | | |
| | A.On supply -Centrifuge | | | | | | | | |
| | B.On supply -Centrifuge Feed Pump | | | | | | | | |
| | C.On Installation -Centrifuge | | | | | | | | |
| | D.On Installation -Centrifuge Feed Pump | | | | | | | | |
| xii) | ADMN BUILDING AREA | | | | | | | | |
| | A.Supply - LT/HT Panel | | | | | | | | |
| | B.Installation - LT/HT Panel | | | | | | | | |
| | C.Supply - PLC/SCADA Automation | | | | | | | | |
| | D.Installation - PLC/SCADA Automation | | | | | | | | |
| xiii) | Cable Tray & Earthing work | | | | | | | | |
| | A.Supply - cable Tray/Earthing material | | | | | | | | |
| | B.Installation - Cable Tray/Earthing material | | | | | | | | |
| xiv) | External Electrification (lighting & Pole) | | | | | | | | |
| | A.Supply | | | | | | | | |
| | B.Installation | | | | | | | | |
| xv) | TESTING OF E&M EQUIPMENT FOR STP & MPS | | | | | | | | |
| xvi) | EQUIPMENT TOOLS & MISC. | | | | | | | | |
| III | TRIAL RUN & COMMISSIONING | | | | | | | | |
| 1 | Trial Run & Commissioning | | | | | | | | |
| | | | 266,18,775.00 | | 141,03,817.90 | | 266,18,775.00 | | 11,70,534.13 |

Photographs of Shuklaganj STP facility



Guard Room Works



Sludge Thickener PCC



Boundary Wall work



Boundary Wall work

7. PRESENT STATUS AND ISSUES OF EXISTING STPS

7.1 JAJMAU (PHASE – 1) 130 MLD STP AND IPS REHABILITATION

- Jajmau 130 MLD STP and CSPS was handover to KRMPL on 01/03/2021 but handing over of the related facilities (IPSS) are still pending.
- All BEPs are approved except Control Philosophy of the plant as concessionaire has submitted the revised Control Philosophy on the basis of Advance sludge handling system which is on hold till approval of Advance sludge handling system;
- During NMCG visit dated 07.07.2021 Dr. Pravin Kumar, Director (T-III) clarified that the concessionaire is responsible to handle and treat 130 MLD of sewage during the renovation period of the Jajmau facility as per CA;
- Chief Engineer UP Jal Nigam directed concessionaire to comply the above said point as directed by NMCG officials and submit the daily / weekly renovation plan accordingly;
- Concessionaire was directed to submit the micro planning to make 2 streams out of 3 nos. operational at all time during the renovation.
- Compliance of Managing Director UP Jal Nigam visit dated 07.06.2021 by concessionaire are:
 - i. Concessionaire informed that all the 11 pump in TEPH are operational and the overflow condition in the plant has been prevented since 18.06.2021.this information submitted by concessionaire is not correct as it was observed during the many visits and even in the visit of Mr. Pravin Kumar, NMCG on dated 07.07.2021 that the plant is in overflow condition as the FST is found in submerged condition .Also , it was observed that total 9 pumps are operational in TEPH unit and remaining 2 pumps are in damaged condition every time during the visits;
 - ii. Concessionaire also informed that no overflow has been observed as CSPS since 02.06.2021. But the fact is that overflow has been observed through the CSPS on almost all days. Chief Engineer directed KRMPL to take immediate steps to prevent it;
 - iii. Regarding the web cameras, concessionaire informed that the web cameras are functional but in every visit by UP Jal Nigam, PE STC and NMCG, it has been observed that Web cameras are not functional .concessionaire required to repaired all and inform IP address too.
- It has been directed by Mr. Arun Kumar, S.E UPJN to maintain the quantity of the Fuel for operating the DGs for 8 hours at all the time.
- Chief Engineer directed concessionaire to replace all the 4 nos. pumps with new pumps. Chief Engineer also directed concessionaire regarding the installation of the pumps at Nawabganj & Babaghat IPS to replace all the pumps.
- Chief Engineer directed concessionaire regarding handing over of Gupter Ghat and Parmat IPS to contact Jalkal officials by 15.07.2021 and handover the IPSS by the same day. Also, CE directed to replace all 7 pumps with new pumps of approved make at CSPS.
- Regarding Advance sludge handling system:-
 - i. Belt filter press:-Concessionaire assured to submit the design, drawing and comparison of belt filter press for working capacity for max. 16 hours per day within 4 days i.e 18.07.2021
 - ii. DFG; Concessionaire assured to furnish the documents/drawing of the same by 25.07.2021.

- KRMPL was directed by CE to arrange required team as soon as possible for civil rehabilitation.
- It was instructed to Concessionaire by PE STC & UPJN to install unit wise nomenclature boards and to maintain the house keeping of the plant in the proper manner.
- During visit of Dr. Pravin, Director (T-III) and Mr. Rajat Kumar Gupta, SWMS, NMCG Concessionaire assured to complete some critical activities with defined dates.
 - i. It was observed that out of 4 nos. Manual Screen, 1 no. screen found missing and unscreened sewage flowed to grit chamber. It was directed to concessionaire to immediately prevent the sewage flow to grit chamber without screening. Concessionaire assured to install new screen by 16.07.2021 but during PE site visit dated 13.07.2021, the same condition was observed. Unscreened sewage is flowing to the grit chamber as the screen was missing and gates are open.
 - ii. Regarding 2mm –Fine Screen (Mech.). it was directed by NMCG officials to repair it by the same day i.e. 09.07.2021 but it was observed during PE STC visit dated 13.07.2021 that no action has been taken by concessionaire in this regard.
 - iii. Repair of the motor of FST-1, it was observed on 13.07.2021 that the motor has been repaired but FST-1 is not operational .it was instructed to concessionaire to get it operational immediately.
 - i. During NMCG visit, it was directed to concessionaire to extract sludge from PST and FST by 11.07.2021 but no such activities have been performed on or before 13.07.2021
 - ii. It was clearly instructed by Mr. Rajat Kumar Gupta, SWMS, NMCG to concessionaire to get approval of the log book format and maintain the log book at site by 12.07.2021.
- Chief Engineer directed KRMPL to visit at substation with UPJN on 15.07.2021 and take conditional handover on immediate basis till installation of the sub meters.

REGARDING E&M ITEMS APPROVAL:

- PE has submitted their suggestion regarding provide the Fire Hydrant system at construction site vide STC letter no.970 dated 07.07.2021.
- Concessionaire submitted the compliance report for advance sludge handling system on which PE has submitted their observations vide STC letter no. 972 dated 09.07.2021.
- Concessionaire submitted the document & QAP for pump along with motor for CSPS on which PE has submitted their observations vide STC letter no. 984 dated 19.07.2021.
- Concessionaire submitted the GAD, Datasheet & QAP of DG synchronising panel on which PE has submitted their observations vide STC letter no.1013 dated 27.07.2021.
- Concessionaire submitted the Electrical GAD for PCC Panel room which PE has submitted their observations vide STC letter no. 1004 dated 26.07.2021.
- Concessionaire submitted the Gas Mix system for digester on which PE has submitted their observation vide STC letter no. 1017 dated 28.07.2021.
- Concessionaire submitted the datasheet, catalogue & QAP of Ultrasonic open channel flow meter on which PE has submitted their observations vide STC letter no. 1002 dated 24.07.2021.

7.2 43 MLD JAJMAU PHASE II

- Handover of 43 MLD STP & related IPSs are pending, as KRMPL has issues regarding:
 - i. **Separate CODs for 130 MLD and 43 MLD plants** - This issue has been sent to NMCG for further direction.
 - ii. **Deficiencies / Issues to be addressed by UPJN** - Issue has been discussed with KRMPL and UPJN. Joint inspection of the plant to resolve the issues for Takeover / Handover of the plant is already in the process. UPJN has rectified the major issues and has been ready to handover the plant.
- 43 MLD STP plant should be taken immediately on the basis of CA para 3.8 a) “as is where is” basis.

7.3 42 MLD SAJARI STP

42 MLD Sajari facilities were handed over to KRMPL on 29/05/2019 but as per CA schedule handing over date for Sajari Facilities is Effective Date i.e. 11/10/2019. Therefore, ultimate handing over date of Sajari has been treated as effective date i.e. 11.10.2019. Till Dec. 2019 KPIs (especially COD) of treated effluent was not under control and KRMPL was asked by NMCG to suggest improvements for COD to be within prescribed limit. KRMPL proposed to add one additional Aeration Tank. Mr. Madhav Kumar NMCG requested Mr. S. Kamaraju, Process Expert STC to visit the Sajari Plant to give his recommendations. Mr. S. Kamaraju Process Expert visited the Sajari Plant on 27-28 Dec 2019 and concluded that the Sajari Plant is designed for all 12 aerators to run without any standby but the plant was being run with 8 aerators only keeping 4 aerators as stand by. All the 12 aerators got functional on 04/01/2020 in the presence of Mr. J. P. Tripathi, O & M Engineer STC. After that it has been observed that since 04/01/2020 all the parameters of treated effluent are within prescribed limits except for the days when parameters of raw sewage are above the prescribed limits for which concessionaire is not responsible. Hence there is no need for any improvement in the plant as suggested by KRMPL.

Commercial Operation Date was declare as 20.06.2020 vide UPJN letter no. 1545/w-20/127 dated 17.06.2020, and again revised as 11.10.2019 i.e. effective date of the CA by UPJN vide their letter no. 2574/w-20/267 dated 26.09.2020. O&M charges from 11.10.2019 to sept.2020 have been paid to the concessionaire.

Following points are to be addressed by the KRMPL:-

i. Compliance of Inspection Reports.

PE/MD UPJN inspected 42 MLD STP Sajari on 07.06.2021 and issued inspection note on 23.06.2021 (Inspection report enclosed). Compliance reports of inspection done on 07.06.2021 have been submitted by KRMPL. PE inspected 42 MLD STP Sajari on 31.07.2021 (Inspection report enclosed).

Rectification of defects indicated in different inspection reports from the start of the project has not been done by the KRMPL and they are extending dates continuously every month.

ii. O&M Manual

O&M Manual already approved by UP Jal Nigam.

iii. Insurance Policies

Even after instructions by ED (Project) NMCG and by SMCG, STC conducted a video conference with KRMPPL Head office personnel regarding above captioned subject on 08.03.2021 w.r.t. the insurance policies submitted by KRMPPL and relevance w.r.t. Article 11.2 of CA.STC also taken the expert advice from our insurance expert team and submit the reports. But KRMPPL has not submitted Insurance Policies as per article 11.2

iv. Performance of Plant

All KPIs are within prescribed limit since 04.01.2020 except the dates when the parameters of raw sewage are beyond prescribed limit for which concessionaire is not responsible. Performance Report of July- 2021 enclosed.

v. Mechanical Screens (Coarse & Fine Screens)

Auto System of both Mechanical Screens still not repaired.

vi. Gas Generators

All 3 nos. of Gas Generators are in working condition. KRMPPL has not been provided battery backup for Gas Engine no.3.

vii. Sludge Digester

Out of 2 nos. sludge digester mixers installed, 01 no.(no.2) is not in working condition since June 2020. Also, EMF at the outlet of the digester installed is not in working condition.

viii. Joint Sampling and Testing by IIT Kanpur

It was decided in the meeting of GM GPCU UPJN on 16-12-2019 (MOM issued vide letter no 3847/M-2A/116 dated 18-12-2019) that atleast once in a month joint sampling of raw sewage and treated effluent will be done by UPJN and KRMPPL and testing to be done by IIT Kanpur. KRMPPL has took the sample jointly on 13.07.2021 & 30.07.2021 and sent it for testing. Testing reports from NABL accredited Laboratory Spectro Research Lab Ventures (P) Ltd of joint samples taken on 18.08.2020, 15.09.2020, 19.10.2020 & 18.03.2021, 09.04.2021, 26.06.2021 and 13.07.2021 & 30.07.2021 has not been received yet. Testing report from Spectra research Lab ventures (P) Ltd. of the Joint sample taken on 21.01.2021 & 09.05.2021 has been submitted by concessionaire.

ix. Power backup and Online Monitoring System

DG set for power backup handed over to KRMPPL by UPJN on 08.08.2020. RTOLMS has been installed and calibrated, handing over is pending. Outlet Analyzer Panel with sensor installed at site and synchronized with RTOLMS.

x. Work plan For Sludge Disposal

KRMPPL had submitted the work plan for sludge disposal but not following it on site.

xi. Submission of Schedule Maintenance Programme

KRMPPL has not done any schedule maintenance works as per approved O&M manual for the first year. KRMPPL has been submit the schedule maintenance programmes for the 2nd year vide letter no.1135 dated 06.04.2021.PE commented on schedule maintenance programmes -2nd year vide letter no.788 dated 12.04.2021.KRMPPL has been submitted compliance report on schedule maintenance programmes -2nd year vide letter no.1266 dated 20.05.2021.UPJN instructed KRMPPL to resubmit revised schedule maintenance program for year-2 for Sajari facilities incorporating the comments of PE vide letter

no.1489/w-20/102 dated 09.06.2021 and start the works of schedule maintenance by taking shut down of one stream altogether. KRMPL has been operating only one stream from 22.06.2021.

xii. KPIs Adherence Report

KPIs Adherence Report for the month of June-2021 has been submitted by PE vide letter no.994 dated 21.07.2021. Online Analyser report up to January month has been submitted by concessionaire.

7.4 210 MLD Bingawan STP

The schedule date of handover of 210 MLD Bingawan Facilities as per CA was 01/04/2019 but actually could be handed over on 08/07/2019. From handover date itself it was observed and informed from time to time to Concessionaire that the operation and maintenance of the plant was not up to the mark. Commercial Operation Date of Bingawan facility declared by UPJN as 10.08.2020 vide their letter no. 2324/w-37/100 dated 10.09.2020. O&M bill for Bingawan for 1st quarter i.e. from 10th Aug. 2020 to Oct. 2020 has been submitted by KRMPL.

Renovation (Installation of RTLOMS and rectification of pumps) completion certificate have been issued by UPJN as 10.08.2020 vide their letter no. 2033/w-37/67 dated 18.08.2020 but calibration certificate with witness certificate is yet to be submitted by KRMPL. Out of 2 nos. electro-magnetic flow meters in inlet, 01 no. has been installed at site and it has been synchronised with RTLOMS. It is not calibrated. Need to be provided calibration report. Another 2nd no. electro -magnetic flow meters has not been installed yet.

Following points need to be addressed:-

i. Compliance of Inspection Reports

PE inspected 210 MLD Bingawan STP on 12.11.2020, 02.01.2021 & 02.02.2021 and issued inspection reports on 21st November 2020, 19th January 2021 & 4th February 2021. Compliance reports of inspection reports of 21.11.2020, 19.01.2021 and 04.02.2021 have not been submitted by KRMPL. PE/MD UPJN inspected 42 MLD STP Sajari on 07.06.2021 and issued inspection note on 23.06.2021 . Compliance reports of inspection done on 07.06.2021 have been submitted by KRMPL.

PE/ CE UPJN Inspection done at 210 MLD Bingawan STP on 15.06.2021 and issued inspection report on 23.06.2021. Compliance reports of inspection done on 15.06.2021 have not been submitted by KRMPL. Again PE Inspection done at 210 MLD Bingawan STP on 12.07.2021 and issued inspection report on 20.07.2021. Compliance reports of inspection done on 12.07.2021 have not been submitted by KRMPL

Since 28th January 2020 rectifications of defects indicated in different inspection reports have not been done by the KRMPL and they are extending dates continuously every month. Copy of Inspection reports submitted in the month of July 2021 of Bingawan site is enclosed.

ii. O&M Manual

Revised O&M manual of Bingawan has been approved by UPJN on 24.08.2020.

iii. Insurance Policies

Even after instructions by ED (Project) NMCG and by SMCG, STC conducted a video conference with KRMPL Head office personnel regarding above captioned subject on

08.03.2021 w.r.t. the insurance policies submitted by KRMPL and relevance w.r.t. Article 11.2 of CA.STC also taken the expert advice from our insurance expert team and submit the reports. But KRMPL has not submitted Insurance Policies as per article 11.2

iv. Cleaning and reactivation of UASB Reactors

All the KPIs are not being met during the month of July 2021. Out of 16 reactors 5 nos UASB reactors (reactor no. 1,2,3, 4 & 8) have been cleaned and refilled for reactivation but sludge blanket still not formed. Reactor 5 &6 has been taken up for cleaning from 02.04.2021 but not completed yet. Remaining 09 reactors are filled with sludge. The action plan of cleaning for reactors to be submitted by KRMPL vide letter no.1449 dated 05.07.2021. PE commented vide letter no.989 dated 20.07.2021.

Performance report of July 2021 is enclosed.

v. Belt Filter Press

All 3nos. Belt Filter Press system has been made functional by KRMPL but only 2 nos. BFP are being used at a time. Only 04 nos. trolleys are available at site. All 3 nos. poly dosing pumps installed, 1 no. is not in working condition due to diaphragm portion is fully damaged. This matter has been pending since 07.10.2020.

vi. Sludge Disposal

All the reactors are filled with sludge which means that sludge extraction from the reactors is not proper. Also, Sludge testing arrangement is available at site Laboratory. KRMPL has not been started sludge testing.

vii. Joint Sampling and Testing by IIT Kanpur

It was decided in the meeting of GM GPCU UPJN on 16-12-2019 (MOM issued vide letter no. 3847/M-2A/116 dated 18-12-2019) that at least once in a month joint sampling of raw sewage and treated effluent will be done by UPJN and KRMPL and testing to be done by IIT Kanpur. KRMPL has taken the sample jointly on 15.07.2021 & 30.07.2021 for testing. Testing report from Spectra research Lab ventures (P) Ltd. of the Joint sample taken on 29.09.2020, 16.10.2020, and 18.03.2021,09.04.2021 , 26.06.2021 and 16.07.2021 & 30.07.2021 and has not been submitted by concessionaire.

viii. Gas Holder

Out of 2 nos. gas holder installed, both are not in working condition. Gas holder no.1 is properly aligned and working condition and gas holder no.2 was under maintenance.

Gas holder painting works ongoing but painting Procedure has not been submitted by KRMPL.

ix. Schedule Maintenance Works for 1st & 2nd year

Schedule maintenance works as per approved O&M manual were to be started from 1/08/2020, but not started yet. 2nd year Schedule maintenance submitted by KRMPL vide letter no.936 dated 19.02.2021. STC commented on Schedule maintenance vide letter no.795 dated 15.04.2021. Schedule maintenance works are to be started after the plant is fully operational.

x. KPIs Adherence Report

KPIs Adherence Report for the month of June-2021 submitted by PE ,based on the lab results for the month of June-2021 (which seems to be reliable) are submitted by PE vide letter no. 995 dated 21.07.2021.

7.5 Monthly Performance report of Bingawan & Sajari STP

| Month | Location | Raw Sewage | Final Outlet | Final outlet Limit |
|------------|---------------------------|----------------------------------------------------|--------------------------------------------------|-----------------------------|
| Jan 2021 | Bingawan (210 MLD STP) | Avg.COD=625.4 Avg.BOD=168.9 Avg.TSS=514 | Avg.COD=123.7 Avg.BOD=29.9 Avg.TSS=48.9 | COD<100 BOD<30 TSS<50 |
| | Sajari (42 MLD STP) | Avg.COD=478.58 Avg.BOD=161.87 Avg.TSS=303.03 | Avg.COD=99.16 Avg.BOD=22.97 Avg.TSS=32.29 | COD<100 BOD<30 TSS<50 |
| Feb 2021 | Bingawan (210 MLD STP) | Avg.COD=654.2 Avg.BOD=186.3 Avg.TSS=475.2 | Avg.COD=241.7 Avg.BOD=53.3 Avg.TSS=61.3 | COD<100 BOD<30 TSS<50 |
| | Sajari (42 MLD STP) | Avg.COD=497 Avg.BOD=168.14 Avg.TSS=306 | Avg.COD=102 Avg.BOD=23.4 Avg.TSS=34 | COD<100 BOD<30 TSS<50 |
| March 2021 | Bingawan (210 MLD STP) | Avg.COD=620.3 Avg.BOD=177.4 Avg.TSS=430.6 | Avg.COD=184.9 Avg.BOD=47.8 Avg.TSS=56.5 | COD<100 BOD<30 TSS<50 |
| | Sajari (42 MLD STP) | Avg.COD=503.94 Avg.BOD=171.35 Avg.TSS=308 | Avg.COD=101.97 Avg.BOD=23.68 Avg.TSS=34.35 | COD<100 BOD<30 TSS<50 |
| April 2021 | Bingawan (210 MLD STP) | Avg.COD=822.4 Avg.BOD=178.2 Avg.TSS=453.1 | Avg.COD=187.2 Avg.BOD=46.4 Avg.TSS=50.9 | COD<100 BOD<30 TSS<50 |
| | Sajari (42 MLD STP) | Avg.COD=475.33 Avg.BOD=163.70 Avg.TSS=305.27 | Avg.COD=98.60 Avg.BOD=22.80 Avg.TSS=34.73 | COD<100 BOD<30 TSS<50 |
| May 2021 | Bingawan (210 MLD STP) | Avg.COD=620 Avg.BOD=176.5 Avg.TSS=493.5 | Avg.COD=191 Avg.BOD=48.7 Avg.TSS=50.3 | COD<100 BOD<30 TSS<50 |
| | Sajari (42 MLD STP) | Avg.COD=458.19 Avg.BOD=162.97 Avg.TSS=300.77 | Avg.COD=96.29 Avg.BOD=22.77 Avg.TSS=33.45 | COD<100 BOD<30 TSS<50 |
| June 2021 | Bingawan (210 MLD STP) | Avg.COD=622.33 Avg.BOD=174.73 Avg.TSS=547.80 | Avg.COD=168.17 Avg.BOD=46.77 Avg.TSS=52.47 | COD<100 BOD<30 TSS<50 |
| | Sajari (42 MLD STP) | Avg.COD=438.77 Avg.BOD=165.83 Avg.TSS=289.90 | Avg.COD=97.50 Avg.BOD=23.30 Avg.TSS=35.43 | COD<100 BOD<30 TSS<50 |
| July 2021 | Bingawan (210 MLD STP) | Avg.COD=616.6 Avg.BOD=175.5 Avg.TSS=551.6 | Avg.COD=145.7 Avg.BOD=43.6 Avg.TSS=55.8 | COD<100 BOD<30 TSS<50 |
| | Sajari (42 MLD STP) | Avg.COD=459.8 Avg.BOD=173.48 Avg.TSS=297.87 | Avg.COD=107.23 Avg.BOD=26.94 Avg.TSS=42.39 | COD<100 BOD<30 TSS<50 |

8. STATUS OF BEP & OTHER DETAILS

Status of BEPs & other detail are given in following table 8.1:

Table 8.1: BEPs and Design & Drawings detail

| SN | STP Facility | Status / Remarks | | | | |
|--------------------------------------------------|--------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| | | BEPs | Structure Design & Drawings | Power Network | Construction Plan | O&M |
| A Sewerage Facilities | | | | | | |
| i | 30 MLD STP - Pankha | Approved | All Approved | Approved | Revised CP (R2) vetted by PE letter no. 832/13.05.2021. Approved by UPJN | - |
| ii | 15 MLD STP - Unnao | Approved | All Approved except I&D | Approved | Revised CP vetted by PE letter no. 826A/10.05.2021. Approved by UPJN letter vide no. 1291/M-18/09 dated 31.05.2021. | - |
| iii | 05 MLD STP – Shuklaganj | Approved | MPS, Sludge Thickener, Guard Room, Boundary Wall vetted by PE & IIT (R), under approval at UPJN; Rest design & drawings yet to be submitted by KRMPL | Yet to be submitted | CP vetted by PE letter no.865/25.05.2021. Approved by UPJN letter vide no. 1379/WS-97/152 dated 09.06.2021 | - |
| B Rehabilitation and O&M for 15 years | | | | | | |
| i | 130 MLD STP - Jajmau (Phase I) | Approved except Control philosophy | GA & RCC design & drawing of CCT & TEPH is approved | - | The Concessionaire has submitted renovation plan on dated 28.05.2021. Approved by UPJN letter no. 1632/W-30/57 dated 24.06.2021 after rectification by KRMPL and STC is recommendation vide letter no. 931A dated 22.06.2021 | - |
| SN | STP Facility | O&M Manual | | Schedule Maintenance Programme | | Remarks |
| C O&M for 15 years | | | | | | |
| i | 43 MLD STP - Jajmau (Phase II) | - | | - | | Handover pending |
| ii | 42 MLD STP - Sajari | Approved | | PE/UPJN instructed KRMPL to resubmit revised schedule maintenance program for year-2 for Sajari facilities incorporating the comments of PE vide letter no. UPJN /1489/w-20/102 dated 09.06.2021 | | - |
| iii | 210 MLD STP - Bingawan | Approved | | Schedule maintenance works are to be started after the plant is fully operational. | | - |

ANNEXURE

ANNEXURE 1: Progress of Work – HAM Project Kanpur

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| 01.07.2021 | Compliance on Submission for cost implication due to change of FoS for design drawing of bedding for sewerage network for 30 MLD STP Pankha facilities. | K-1320 | 01.07.2021 | - | 20 | - | - | J.P.Tripathi Dr. Giridhar C.M.Dimri Prasoon A.K.Seth Linga Rao Priyesh Satendra Vikas Rahul Ajay Mahendra Pankaj Kapil | 1+1+1+1+1+1+1+1+1+1+1+1+1 | - | - | - | Under review. |
| 02.07.2021 | Submission of G.A, Datasheet & QAP of Cable Tray 15 MLD STP Unnao. | 29.06.21 J-849/M-47/72 | 02.07.2021 S-946 | 03 | 20 | - | - | C.M.Dimri A.K.Seth Priyesh Rahul Mahendra | 1+1+1+1+1 | - | - | - | Requested UPJN to direct KRMPPL to provide G.A, Datasheet & QAP of Cable Tray from the revised approved vendor list. |
| 02.07.2021 | Submission of GA, data Sheet, SLD, Wiring Diagram, BOM & QAP of LT | 01.07.21 J-02/W-21/02 | 02.07.2021 S-947 | 01 | 20 | - | - | Dr. Giridhar Linga Rao Satendra Rahul | 1+1+1+1 | - | - | - | Requested UPJN to direct KRMPPL to provide Datasheet & |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|---------------------------------------------------------------------------------------------------------|-----------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|-----------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | Panel & LPBS for 30 MLD STP Pankha. | | | | | | | | | | | | QAP of LT Panel & LPBS from the revised approved vendor list. |
| 02.07.2021 | Submission of GA, data Sheet, SLD, Wiring Diagram, BOM & QAP of LT Panel & LPBS for 130 MLD STP Jajmau. | 19.06.21 K-1381 | 02.07.2021 S-948 | 13 | 20 | - | - | Dr. Giridhar Prasoon Vikas Mahendra Rahul | 1+1+1+1+1 | - | - | - | Requested UPJN to direct KRMPL to provide Datasheet & QAP of LT Panel & LPBS from the revised approved vendor list. |
| 02.07.2021 | Submission of G.A, Datasheet & QAP of Cable Tray 30 MLD STP Pankha. | 30.06.21 K-1423 | 02.07.2021 S-949 | 02 | 20 | - | - | A.K.Seth Satendra Pankaj Rahul | 1+1+1+1 | - | - | - | Requested UPJN to direct KRMPL to provide G.A, Datasheet & QAP of Cable Tray from the revised approved vendor list. |
| 02.07.2021 | Submission of G.A, Datasheet & QAP of Cable Tray 130 MLD STP Jajmau. | 30.06.21 K-1423 | 02.07.2021 S-949A | 02 | 20 | - | - | Satendra Vikas Linga Rao Rahul Mahendra | 1+1+1+1+1 | - | - | - | Requested UPJN to direct KRMPL to provide G.A, Datasheet & |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|-------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|-----------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | | | | | | | | | | | | | QAP of Cable Tray from the revised approved vendor list. |
| 02.07.2021 | Submission of GA, data Sheet, SLD, Wiring Diagram, BOM & QAP of LT Panel & LPBS for 15 MLD STP Unnao. | 29.06.21 J- 894/M-47/71 | 02.07.2021 S-950 | 03 | 20 | - | - | Dr. Giridhar Priyesh Rahul Kapil | 1+1+1+1 | - | - | - | Requested UPJN to direct KRMPPL to provide Datasheet & QAP of LT Panel & LPBS from the revised approved vendor list. |
| 02.07.2021 | Observation on Monthly activity Report of 210 MLD Bingawan facilities for the month of May-2021. | 17.06.21 K-1373 | 02.07.2021 S-951 | 15 | 20 | - | - | J.P.Tripathi Ajay Pankaj | 1+1+1 | - | - | - | Directed KRMPPL to resubmit the monthly performance report for May 2021 incorporating the said points. |
| 02.07.2021 | Comments on G.A, Technical datasheet & QAP of Blower for 30 MLD STP Pankha. | 26.06.21 K-1416 | 02.07.2021 S-952 | 06 | 20 | - | - | Sunil Prasoan Satendra Vikas Ajay Rahul | 1+1+1+1+1+1 | - | - | - | Requested UPJN to direct KRMPPL to provide as required. |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|------------------------------------------------------------------------------------------------|-----------------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|----------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| 02.07.2021 | Comments on G.A, Technical datasheet & QAP of Blower for 15 MLD STP Unnao. | 26.06.21 K-1415 | 02.07.2021 S-953 | 06 | 20 | - | - | Sunil Priyesh Vikas Ajay Kapil Rahul | 1+1+1+1+1+1 | - | - | - | Requested UPJN to direct KRMPL to provide as required. |
| 03.07.2021 | Submission of Instrumentation Document for both IPS & STP at 30 MLD Pankha. | 19.06.21 K-1387 &1389 | 03.07.2021 S-954 | 14 | 20 | - | - | C.M.Dimri Dr. Giridhar A.K.Seth Linga Rao Satendra Vikas Kapil Mahendra | 1+1+1+1+1+1+1+1 | - | - | - | Review and submit our comment. |
| 03.07.2021 | Observation on Monthly activity Report of 42 MLD Sajari facilities for the month of May- 2021. | 16.06.21 K-1372 | 03.07.2021 S-955 | 17 | 20 | - | - | J.P.Tripathi Priyesh Pankaj Ajay Rahul | 1+1+1+1+1 | - | - | - | Directed KRMPL to resubmit the monthly performance report for May 2021 incorporating the said points. |
| 04.07.2021 | Sunday | | | | | | | | | | | | |
| 05.07.2021 | Issuing of common approved vendor list for all Electrical items from Jal Nigam to | | 05.07.2021 S-956 | - | 20 | - | - | C.M.Dimri Dr. Giridhar J.P.Tripathi Linga Rao A.K.Seth Priyesh Vikas Kapil Rahul | 1+1+1+1+1+1+1+1+1+1 | - | - | - | Requested UPJN to take action. |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/ Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------|------------------|-----------------------------|------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | Concessionaire. | | | | | | | | | | | | |
| 05.07.2021 | Submission of various electrical Documents for IPS at 30 MLD Pankha. | 19.06.21 K-1391 | 05.07.2021 S-957 | 16 | 20 | - | - | A.K.Seth Satendra Pankaj Rahul | 1+1+1+1 | - | - | - | Recommended for approval with the conditions. |
| 05.07.2021 | Submission of GA, data Sheet, SLD, BOM, Wiring Diagram & QAP of 11 KVA VCB Panel for 05 MLD STP Shuklaganj. | 19.06.21 K-1379 | 05.07.2021 S-958 | 16 | 20 | - | - | Dr. Giridhar A.K.Seth Priyesh Ajay Rahul Kapil | 1+1+1+1+1+1 | - | - | - | Recommended for approval with the conditions |
| 06.07.2021 | Reminder – Information related to the Mechanical, Electrical & Instrumental equipments purchased under HAM project Kanpur for Unnao & Shuklaganj STPs. | - | 06.07.2021 S-959 | - | 20 | - | - | C.M.Dimri Dr. Giridhar Sunil Prasoon A.K.Seth Linga Rao Priyesh Ajay Rahul Kapil | 1+1+1+1+1+1+1+1+1+1 | - | - | - | Reminder letter has been submitted by PE to KRMPL to submit the compliance report of the said observations. |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/ Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------|------------------|-----------------------------|------------------------------------|--------------------|---------------------------------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| 06.07.2021 | Reminder – Information related to the Mechanical, Electrical & Instrumental equipments purchased under HAM project Kanpur for Pankha & Jajmau STP | - | 06.07.2021 S-960 | - | 20 | - | - | Dr. Giridhar A.K.Seth Prasoon Satendra Vikas Ajay Rahul Kapil | 1+1+1+1+1+1+1+1 +1 | - | - | - | Reminder letter has been submitted by PE to KRMPL to submit the compliance report of the said observations. |
| 06.07.2021 | Regarding approved vendors / submission of procedure for painting works, as per CA for painting, white washing, etc. for 15 MLD Unnao & 05 MLD Shuklaganj STP. | - | 06.08.2021 S-961 | - | 20 | - | - | C.M.Dimri Vikas Linga Rao Priyesh Ajay Pankaj Kapil | 1+1+1+1+1+1+1+1 | - | - | - | Requested UPJN to directed KRMPL to submit the Painting procedure. |
| 06.07.2021 | Regarding approved vendors / submission of procedure for painting works, as per CA for | - | 08.06.2021 S-962 | - | 20 | - | - | Dr. Giridhar Satendra | 1+1 | - | - | - | Requested UPJN to directed KRMPL to submit the Painting procedure. |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|---------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|--------------------------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | painting, white washing, etc. for 30 MLD STP Pankha. | | | | | | | | | | | | |
| 06.07.2021 | Comments on Drawing, Documents & QAP for pump along with Motor for TEPH & RSPH under 130 MLD Jajmau. | 22.06.21 K-1397 | 06.07.2021 S-963 | 14 | 20 | - | - | C.M.Dimri Priyesh Vikas Ajay Rahul | 1+1+1+1+1 | - | - | - | Requested UPJN to directed KRMPPL to comply on our Observation. |
| 06.07.2021 | Monitoring and Reporting by the Concessionaire during O&M Period for Jajmau & Bingawan. | - | 06.07.2021 S-964 | - | 20 | - | - | J.P.Tripathi Dr. Giridhar Vikas Ajay Pankaj | 1+1+1+1+1 | - | - | - | Requested UPJN to directed KRMPPL to comply immediately as needed. |
| 06.07.2021 | Compliance on Submission for cost implication due to change of FoS for design drawing of bedding for sewerage network for 30 MLD STP Pankha | K-1320 | 06.07.2021 S-965 | - | 20 | - | - | C.M.Dimri Linga Rao Pankaj Satendra | 1+1+1+1 | - | - | - | Requested UPJN to directed KRMPPL to comply on our Observation. |

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|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|----------------------------------------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | facilities. | | | | | | | | | | | | |
| 06.07.2021 | Regarding submission of layout drawing of proposed structure at 130 MLD STP Jajmau. | - | 06.07.2021 S-966 | - | 20 | - | - | C.M.Dimri Vikas Pankaj | 1+1+1 | - | - | - | Requested UPJN to directed KRMPL to Submit said subject. |
| 07.07.2021 | Completion of 4 th milestone for Pankha facilities. | 02.07.21 K-1435 | 07.07.2021 S-968 | 05 | 20 | - | - | C.M.Dimri Dr. Giridhar Priyesh Satendra Pankaj | 1+1+1+1+1 | - | - | - | Reviewed and submit the compliance report. |
| 07.07.2021 | Inspection notes of Pankha STP on dated 02 nd July, 2021. | - | 07.07.2021 S-969 | - | 20 | - | - | C.M.Dimri A.K.Seth Satendra Pankaj Vikas Kapil | 1+1+1+1+1+1 | - | - | - | Inspection report Submitted by PE. |
| 07.07.2021 | Request to provide the Hydraunt system at Construction Sites (Pankha 30 MLD, Unnao 15 MLD & Shuklaganj 05 MLD) and O&M Plants (Bingawan 210 MLD, Sajari 43 | - | 07.07.2021 S-970 | - | 20 | - | - | C.M.Dimri Dr. Giridhar J.P.Tripathi Linga Rao A.K.Seth Prasoon Priyesh Satendra Vikas Ajay Rahul Pankaj | 1+1+1+1+1+1+1+1+1+1+1+1 | - | - | - | Requested UPJN to direct KRMPL to Provide the Fire Hydraunt system at all sites. |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|----------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------|------------------|---------------------------------------|--------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | MLD and Jajmau 130 MLD)- Reg. | | | | | | | | | | | | |
| 08.07.2021 | Issues and pending actions regarding HAM Kanpur. | - | 08.07.2021 S-971 | - | 20 | - | - | C.M.Dimri Dr. Giridhar J.P.Tripathi Linga Rao A.K.Seth Prasoon Priyesh Satendra Pankaj Vikas Rahul Ajay Kapil | 1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1 | - | - | - | Issues and pending action status by PE. |
| 09.07.2021 | Unnao STP site inspection Report of dated 05.07.2021. | - | 09.07.2021 S-972 | - | 20 | - | - | Priyesh | 1 | - | - | - | Inspection report Submitted by PE. |
| 09.07.2021 | Regarding Compliance report for Advance sludge handling system of 130 MLD STP Jajmau (GM_UPJN MOM dated 01.06.2021). | 24.06.21 K-1407 | 09.07.2021 S-972 | 15 | 20 | - | - | Dr. Giridhar J.P.Tripathi A.K.Seth Vikas | 1+1+1+1 | - | - | - | Reviewed and submit the compliance report. |
| 09.07.2021 | Shuklaganj STP site inspection Report of dated | - | 09.07.21 S-973 | - | 20 | - | - | C.M.Dimri Linga Rao Priyesh Kapil | 1+1+1+1 | - | - | - | Inspection report Submitted by |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|-----------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|-------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|---------------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | 05.07.2021. | | | | | | | | | | | | PE. |
| 09.07.2021 | Submission of RCC design & drawing of Admin Building with Blower Room at 05 MLD STP Shuklaganj. | 05.07.21 K-1445 | 09.07.2021 S-974 | 04 | 20 | - | - | C.M.Dimri Dr. Giridhar Priyesh Ajay Kapil | 1+1+1+1+1 | - | - | - | Vetted and recommended for approval with the conditions |
| 09.07.2021 | Comments on compliance report for Submersible pumps at 05 MLD STP Shuklaganj. | K-1333 | 09.07.2021 S-975 | - | 20 | - | - | Priyesh Ajay Kapil | 1+1+1 | - | - | - | Reviewed and submit our comments. |
| 09.07.2021 | Comments on GA, Technical datasheet & QAP of Screen for ICI Nalla, Sundar Nagar & Thermal Nalla at 30 MLD STP Pankha. | K-1294 | 09.07.2021 S-976 | - | 20 | - | - | C.M.Dimri Prason Satendra Pankaj | 1+1+1+1 | - | - | - | Reviewed and submit our comments |
| 09.07.2021 | Recommendation for Approval of Typical handrail drawing for 30 MLD STP | 19.06.21 K-1385 | 09.07.2021 S-977 | 20 | 20 | - | - | C.M.Dimri Satendra Pankaj | 1+1+1 | - | - | - | Vetted & Recommended for approval. |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|---------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | Pankha. | | | | | | | | | | | | |
| 09.07.2021 | Recommendation for Approval of Typical handrail drawing for 15 MLD STP Unnao & 05 MLD STP Shuklaganj. | 19.06.21 K-1384 | 09.07.2021 S-978 | 20 | 20 | - | - | J.P.Tripathi Priyesh Kapil | 1+1+1 | - | - | - | Vetted & Recommended for approval. |
| 10.07.2021 | Compliance on comments for GA drawing for panel cum Office room at ICI Nalla for 30 MLD STP at Pankha | 10.07.21 K-1463 | - | - | 20 | - | - | Dr. Giridhar C.M.Dimri Linga Rao A.K.Seth Prasoon J.P.Tripathi Vikas Ajay Satendra Pankaj Kapil | 1+1+1+1+1+1+1+1+1+1+1+1 | - | - | - | Under review. |
| 11.07.2021 | Sunday | | | | | | | | | | | | |
| 12.07.2021 | Submission of Data sheet, Catalogue & QAP of "Water quality analyzer" for 15 MLD Unnao STP & 05 MLD Shuklaganj STP. | 08.07.21 K-1457 | - | - | 20 | - | - | Dr. Giridhar C.M.Dimri A.K.Seth Prasoon J.P.Tripathi Linga Rao Priyesh Vikas Satendra Ajay Pankaj Kapil | 1+1+1+1+1+1+1+1+1+1+1+1 | - | - | - | Under review |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/ Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|---------------------------------------------------------------------------------------------------------|--------------------|----------------------------------|------------------|-----------------------------|------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|----------------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| 13.07.2021 | Submission of RCC Design & Drawing of 15 MLD Unnao. | 02.07.21 K-1431 | 13.07.2021 S-979A | 11 | 20 | - | - | Dr. Giridhar C.M.Dimri A.K.Seth Prasoon Sunil J.P.Tripathi Linga Rao Priyesh Pankaj Vikas Ajay Kapil | 1+1+1+1+1+1+1 +1+1+1+1+1 | - | - | - | Vetted and recommended for approval with the conditions. |
| 14.07.2021 | Submission of IC&A documents for both IPS & STP at Pankha. | K-1389 | 14.07.2021 S-980 | - | 20 | - | - | Dr. Giridhar C.M.Dimri J.P.Tripathi Linga Rao A.K.Seth Prasoon Priyesh Satendra Vikas Ajay Rahul Pankaj Kapil | 1+1+1+1+1+1+1 +1+1+1+1+1+1 | - | - | - | Reviewed and submit our comments |
| 15.07.2021 | Submission of Data sheet, Catalogue & QAP of Ultrasonic Open Channel Flow meter for 130 MLD STP Jajmau. | 13.07.21 K-1474 | - | - | 20 | - | - | Dr. Giridhar C.M.Dimri A.K.Seth Prasoon Preetam J.P.Tripathi Linga Rao Vikas Satendra Pankaj Ajay Rahul | 1+1+1+1+1+1+1 +1+1+1+1+1+1 | - | - | - | Under Review. |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|---------------------------------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|-------------------------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | | | | | | | | Kapil | | | | | |
| 16.07.2021 | Regarding Compliance report of NMCG visit dated 07.07.2021 and 09.07.2021 at 130 MLD STP Jajmau. | - | 16.07.2021 S-982 | - | 20 | - | - | Dr. Giridhar C.M.Dimri A.K.Seth J.P.Tripathi Satendra Vikas Ajay | 1+1+1+1+1+1+1 | - | - | - | Compliance report Submitted by PE. |
| 16.07.2021 | Environmental and Social Impact Assessment progress (ESIA) Report of Quarter 1) January to March,2020 2)April to June, 2020 3)July to September, 2020 4) October to December, 2020 5)January to March, 2021 6)April to June, 2021. | - | 16.07.2021 S-987 | - | 20 | - | - | Preetam J.P.Tripathi Linga Rao Satendra Rahul Pankaj Kapil | 1+1+1+1+1+1+1 | - | - | - | Request UPJN to direct KRMPL to inspect all the sites by Experts. |
| 17.07.2021 | Unnao STP site inspection Report of dated 13.07.2021. | - | 17.07.2021 S-983 | - | 20 | - | - | C.M.Dimri Dr. Giridhar Preetam Priyesh | 1+1+1+1+1+1 | - | - | - | Inspection report Submitted by PE. |

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|------------|-----------------------------------------------------------------------------------------------|-----------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|---------------------------------------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|--------------------------------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | | | | | | | | Vikas Kapil | | | | | |
| 17.07.2021 | Reminder of STC inspections and compliance by KRMPL – Reg. | - | 17.07.2021 S-986 | - | 20 | - | - | A.K.Seth Linga Rao Vikas Satendra Rahul Pankaj | 1+1+1+1+1+1 | - | - | - | Requested UPJN to direct KRMPL to submit compliance reports immediately. |
| 18.07.2021 | Sunday | | | | | | | | | | | | |
| 19.07.2021 | Comments on Drawing, Documents & QAP for pump along with Motor for CSPS under 130 MLD Jajmau. | K-1394 | 19.07.2021 S-984 | - | 20 | - | - | J.P.Tripathi A.K.Seth Satendra Vikas Rahul Ajay | 1+1+1+1+1+1 | - | - | - | Requested UPJN to direct KRMPL to Comply our comments ASAP. |
| 19.07.2021 | Submission of RCC design and drawing for I&D at 15 MLD STP Unnao. | K-1124 | 19.07.2021 S-985 | - | 20 | - | - | C.M.Dimri Dr. Giridhar Preetam Linga Rao Priyesh Pankaj Vikas Kapil | 1+1+1+1+1+1+1+1 | - | - | - | Recommended for approval. |
| 20.07.2021 | Inspection notes of Bingawan STP on dated 12 th July, 2021. | - | 20.07.2021 S-988 | - | 20 | - | - | J.P.Tripathi Linga Rao Satendra Pankaj Ajay | 1+1+1+1+1 | - | - | - | Inspection report Submitted by PE. |
| 20.07.2021 | Schedule for | 17.07.21 | 20.07.2021 | 03 | 20 | - | - | C.M.Dimri | 1+1+1+1+1+1+1+1 | - | - | - | Requested |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|-------------------------------------------------------------------|-----------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|-------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| 1 | cleaning & renovation of reactors at Bingawan STP. | J-1808/w-37/136 | 1 S-989 | | | | | J.P.Tripathi Dr. Giridhar Sunil Preetam A.K.Seth Priyesh Pankaj Vikas Ajay Rahul Kapil | +1+1+1+1+1 | | | | UPJN to direct KRML to resubmit the plan. |
| 21.07.2021 | Submission of typical brick manhole drawing for 15 MLD STP Unnao. | 15.07.21 K-1482 | 21.07.2021 S-990 | 06 | 20 | - | - | Dr. Giridhar C.M.Dimri Preetam Priyesh Vikas Pankaj | 1+1+1+1+1+1 | - | - | - | Recommended for approval. |
| 21.07.2021 | Unnao 15 MLD STP site inspection Report of dated 19.07.2021. | - | 21.07.2021 S-991 | - | 20 | - | - | C.M.Dimri Pankaj Priyesh | 1+1+1 | - | - | - | Inspection report Submitted by PE. |
| 21.07.2021 | Shuklaganj 05 MLD STP site inspection Report of dated 19.07.2021. | - | 21.07.2021 S-992 | - | 20 | - | - | Preetam Priyesh A.K.Seth Kapil | 1+1+1+1 | - | - | - | Inspection report Submitted by PE. |
| 21.07.2021 | Recommendation for Approval of GA, Technical Data sheet & QAP of | 13.07.21 K-1477 | 21.07.2021 S-993 | 08 | 20 | - | - | Dr. Giridhar Linga Rao A.K.Seth Priyesh Satendra Ajay | 1+1+1+1+1+1+1+1 | - | - | - | Vetted and recommended for approval. |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|-------------------------------------------------------------------------------------------|--------------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|-----------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|---------------------------------------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | Screen for I&D work at 15 MLD STP Unnao & 5 MLD STP Shuklaganj. | | | | | | | Kapil Rahul | | | | | |
| 21.07.2021 | KPIs Adherence Report of 42 MLD Sajari STP for the month of June-2021 | 17.07.21 K-1488 | 21.07.2021 S-994 | 04 | 20 | - | - | J.P.Tripathi Pankaj Ajay | 1+1+1 | - | - | - | KPI adherence report has been prepared and submitted for the month of June 2021 |
| 21.07.2021 | KPIs Adherence Report of 210 MLD Bingawan STP for the month of June-2021 | 17.07.21 K-1487 | 21.07.2021 S-995 | 04 | 20 | - | - | J.P.Tripathi Pankaj Ajay | 1+1+1 | - | - | - | KPI adherence report has been prepared and submitted for the month of June 2021 |
| 22.07.2021 | Submission of GA Drawing for Panel Cum office room at ICI Nalla IPS at 30 MLD STP Pankha. | 10.07.21 K-1463 | 22.07.2021 S-996 | - | 20 | - | - | C.M.Dimri Dr. Giridhar Preetam Satendra | 1+1+1+1 | - | - | - | Recommended for approval with the conditions. |
| 22.07.2021 | Pankha: 30 MLD STP site Inspection report of dated 20 th July, 2021. | - | 22.07.2021 S-997 | - | 20 | - | - | Preetam Satendra Pankaj Ajay Kapil | 1+1+1+1+1 | - | - | - | Inspection report Submitted by PE. |
| 22.07.2021 | Regarding compliance report on site | 05.07.21 K-1440 | 22.07.2021 S-998 | - | 20 | - | - | C.M.Dimri Dr. Giridhar J.P.Tripathi | 1+1+1+1+1+1+1+1+1 | - | - | - | Reviewed and submit the Observations. |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|-------------------------------------------------------------------------------------|--------------------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|-------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | visit of MD, UPJN at HAM Kanpur project dated 07.06.2021. | | | | | | | Satendra Pankaj Priyesh Vikas Ajay Rahul | | | | | |
| 22.07.2021 | Submission of Data sheet and QAP for Cable for 30 MLD Pankha. | 17.07.21 J-1540/w-21/114 | 22.07.2021 S-1000 | 05 | 20 | - | - | A.K.Seth Satendra Rahul | 1+1+1 | - | - | - | Recommended for Approval. |
| 23.07.2021 | Comments on GA, Datasheet, QAP of Sluice gate (I&D, MPS &STP) for 15 MLD STP Unnao. | K-1410 | 23.07.2021 S-999 | - | 20 | - | - | C.M.Dimri J.P.Tripathi Dr. Giridhar Preetam A.K.Seth Prasoon Satendra Priyesh Vikas Pankaj Ajay Rahul Kapil | 1+1+1+1+1+1+1+1+1+1+1+1 | - | - | - | Requested UPJN to direct KRML to Submit comply. |
| 24.07.2021 | Scada/ PLC for Pankha STP. | 20.07.21 K-1501 | 24.07.2021 S-1001 | 04 | 20 | - | - | C.M.Dimri Dr. Giridhar Satish Priyesh Satendra Rahul Kapil | 1+1+1+1+1+1+1+1 | - | - | - | Recommended for approval with the conditions. |
| 24.07.2021 | Submission of Data sheet, Catalogue & QAP of Ultrasonic Open Channel Flow meter for | 13.07.21 K-1474 | 24.07.2021 S-1002 | 09 | 20 | - | - | Dr. Giridhar Sunil A.K.Seth J.P.Tripathi Satendra Vikas Pankaj Ajay Rahul | 1+1+1+1+1+1+1+1+1+1 | - | - | - | Reviewed and submit the comments. |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|-------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|------------------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|-----------------------------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | 130 MLD STP Jajmau. | | | | | | | | | | | | |
| 25.07.2021 | Sunday | | | | | | | | | | | | |
| 26.07.2021 | Submission of Electrical GAD for PCC Panel room at 130 MLD STP Jajmau. | 08.07.21 J-1452/w-3/118 | 26.07.2021 S-1004 | 18 | 20 | - | - | C.M.Dimri A.K.Seth J.P.Tripathi Satendra Pankaj Rahul | 1+1+1+1+1+1 | - | - | - | Requested UPJN to direct KRMPPL to Submit the compliance. |
| 26.07.2021 | Submission of GA, Datasheet & QAP of Cable for 15 MLD STP Unnao. | 24.07.21 K-1520 | 26.07.2021 S-1005 | 02 | 20 | - | - | J.P.Tripathi Priyesh Rahul | 1+1+1 | - | - | - | Recommended for approval with the conditions. |
| 26.07.2021 | Submission of Load list & SLD, Transformer and DG Sizing calculation for the 15 MLD STP Unnao. | 24.07.21 K-1524 | 26.07.2021 S-1006 | 02 | 20 | - | - | Dr. Giridhar Priyesh Rahul Kapil | 1+1+1+1 | - | - | - | Recommended for approval with the conditions. |
| 26.07.2021 | Regarding dispatch clearance / TPI report review for Mechanical Electrical Equipments for 15 MLD STP Unnao. | 22.07.21 J-1092/M-47/103 | 26.07.2021 S-1007 | 04 | 20 | - | - | Dr. Giridhar Sunil A.K.Seth Priyesh Ajay Rahul Kapil | 1+1+1+1+1+1+1 | - | - | - | Requested UPJN to review TPI report and issue clearance for dispatch. |
| 27.07.2021 | Approval of | 22.07.21 | 27.07.2021 | 05 | 20 | - | - | Dr. Giridhar | 1+1+1+1+1+1 | - | - | - | Recommended |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|---------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|---------------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|-----------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| 1 | Vendor / Manufacturer of MEI items for HAM Kanpur. | J-1561/w-21/116 | 1 S-1003 | | | | | C.M.Dimri J.P.Tripathi Priyesh Pankaj Rahul | | | | | for Approval of Vendor. |
| 27.07.2021 | Submission of Data sheet, Catalogue & QAP of "Water quality analyzer" for 30 MLD Pankha STP & 130 MLD Jajmau STP. | K-1456 | 27.07.2021 S-1008 | - | 20 | - | - | C.M.Dimri J.P.Tripathi Dr. Giridhar Satendra Ajay | 1+1+1+1+1 | - | - | - | Reviewed and submit the Comments. |
| 27.07.2021 | Submission of Data sheet, Catalogue & QAP of "Water quality analyzer" for 15 MLD Unnao STP & 05 MLD Shuklaganj STP. | 08.07.21 K-1457 | 27.07.2021 S-1009 | 19 | 20 | - | - | Priyesh Pankaj Kapil Rahul | 1+1+1+1 | - | - | | Reviewed and submit the Comments. |
| 27.07.2021 | Recommendation for Approval of GA, Technical Datasheet & QAP of Sluice gates for 5 MLD STP Shuklaganj. | 13.07.21 J-1687/M-6/103 | 27.07.2021 S-1010 | 14 | 20 | - | - | C.M.Dimri Priyesh Ajay Rahul Kapil | 1+1+1+1+1 | - | - | - | Recommended for approval with the conditions. |
| 27.07.2021 | Submission of | 29.06.21 | 27.07.2021 | - | 20 | - | - | Dr. Giridhar | 1+1+1+1 | - | - | - | Reviewed and |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------|------------------|-----------------------------|------------------------------------|--------------------|-----------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|-------------------------------------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| 1 | GA, Datasheet, SLD, Wiring Diagram, BOM, & QAP of LT Panel for 30 MLD Pankha. | K-1421 | 1 S-1011 02.07.202 1 S-947 | | | | | Satendra Pankaj Rahul | | | | | submit the Comments. |
| 27.07.2021 | Submission of GA, Datasheet, SLD, Wiring Diagram, BOM, & QAP of LT Panel & LPBS for Unnao. | 21.06.21 K-1393 | 27.07.2021 1 S-1012 02.07.2021 1 S-950 | - | 20 | - | - | Dr. Giridhar Priyesh Rahul Kapil | 1+1+1+1 | - | - | - | Requested UPJN to direct KRML to resubmit. |
| 27.07.2021 | Submission of Electrical, GAD, Datasheet, Wiring Diagram, BOM, & QAP of DG synchronizing panel for 130 MLD STP Jajmau. | K-1453 | 27.07.2021 1 S-1013 | - | 20 | - | - | J.P.Tripathi Pankaj Rahul | 1+1+1 | - | - | - | Requested UPJN to direct KRML to submit the credentials document. |
| 28.07.2021 | Revised of Recommendation of Approval for Vendor / Manufacturer of MEI items for HAM project. | 22.07.21 J-1561/w-21/116 | 28.07.2021 1 S-1014 | 06 | 20 | - | - | C.M.Dimri J.P.Tripathi Satendra Priyesh Rahul | 1+1+1+1+1 | - | - | - | Recommended for approval with the conditions. |
| 28.07.2021 | Requirement of hand railing / | - | 28.07.2021 1 S-1015 | - | 20 | - | - | J.P.Tripathi Ajay | 1+1+1+1 | - | - | - | Requested UPJN to direct |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|----------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|--------------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | fencing at Bingawan aeration ponds in safety point of view. | | | | | | | Rahul Pankaj | | | | | KRMPL to take immediate action. |
| 28.07.2021 | Recommendation for Approval of Piping GA of Blower room for 30 MLD STP Pankha. | 27.07.21 J-1589/w-21/117 26.07.21 K-1527 | 28.07.2021 S-1016 | 01 | 20 | - | - | Dr. Giridhar Satendra Ajay Rahul | 1+1+1+1 | - | - | - | Vetted and recommended for approval. |
| 28.07.2021 | Submission of Gas Mix System for digester at 130 MLD STP Jajmau | 16.07.21 K-1483 | 28.07.2021 S-1017 | 12 | 20 | - | - | J.P.Tripathi Dr. Giridhar Sunil Ajay Rahul | 1+1+1+1+1 | - | - | - | Requested UPJN for necessary Action. |
| 28.07.2021 | 4 th Milestone completion certificate for 15 MLD Unnao STP. | 14.07.21 K-1480 | 28.07.2021 S-1018 | 14 | 20 | - | - | C.M.Dimri Dr. Giridhar Priyesh Pankaj Kapil | 1+1+1+1+1 | - | - | - | Requested UPJN for necessary Action. |
| 29.07.2021 | Recommendation for Approval of Piping GA of Blower room for 15 MLD STP Unnao & 05 MLD STP Shuklaganj. | 26.07.21 K-1528 | 29.07.2021 S-1019 | 03 | 20 | - | - | Dr. Giridhar Priyesh Pankaj Ajay Rahul Kapil | 1+1+1+1+1+1 | - | - | - | Vetted and recommended for approval. |
| 29.07.2021 | Submission of RCC design & drawing of | 24.07.21 K-1525 | 29.07.2021 S-1020 | 05 | 20 | - | - | C.M.Dimri J.P.Tripathi Satendra | 1+1+1+1+1+1 | - | - | - | Request UPJN to direct KRMPL to |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------------|-----------------------------------------------------------------------------------|-----------------|----------------------------------------|------------------|-----------------------------|------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | centrifuge building at 05 MLD Shuklaganj. | | | | | | | Priyesh Pankaj Kapil | | | | | revise Drawing. |
| 30.07.2021 | Submission of MPR for the month of May 2021 for NMCG Project. | - | 30.07.2021 S-1021 | - | 20 | - | - | Dr. Giridhar J.P.Tripathi Satendra Pankaj | 1+1+1+1 | - | - | - | Submit MPR by PE. |
| 30.07.2021 | Regarding Approval of G.A, Datasheet & QAP of DG set for 15 MLD STP Unnao. | J-186/W-7/29 | 30.07.2021 S-1022 28.07.2021 S-1014 | - | 20 | - | - | Dr. Giridhar C.M.Dimri Priyesh Ajay Rahul Kapil | 1+1+1+1+1+1 | - | - | - | Recommended for approval. |
| 30.07.2021 | Submission of extra claim in sewerage works due to trenchless – 15 MLD Unnao STP. | 29.07.21 K-1540 | 30.07.2021 S-1023 | 01 | 20 | - | - | C.M.Dimri Prasoon Priyesh Kapil | 1+1+1+1 | - | - | - | Recommended for approval. |
| 31.07.2021 | Submission of MPR for the month of June 2021 for NMCG Project. | - | 31.07.2021 S-1024 | - | 20 | - | - | C.M.Dimri Sunil J.P.Tripathi Dr. Giridhar Prasoon Satendra Priyesh Pankaj Ajay Rahul Kapil | 1+1+1+1+1+1+1+1+1+1+1 | - | - | - | Submit MPR by PE. |

| Date | Name of Activity# | Date of Receipt | Date of Approval (Vet/Comment) | No. of day taken | Time as per contract (days) | Delay if any (No. of days) [7=6-5] | Reason for delay * | Key Personnel deployed | Man-days of each Key Personnel | Delay by Concessionaire | Reason for delay | Step taken by PE to avoid such delays | Remarks |
|------|-------------------|-----------------|--------------------------------|------------------|-----------------------------|------------------------------------|--------------------|------------------------|--------------------------------|-------------------------|------------------|---------------------------------------|---------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | | | | | | | | | | | | | |

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

| SN | Name | Designation | Total Man-days | Input |
|----|------------------------------|------------------------------------|----------------|--------------------|
| 1. | Dr. Giri Prabhu Kumar | Team Leader cum waste water expert | 31 | Timesheet attached |
| 2. | Mr. Chandra Mauleshwar Dimri | Senior Civil Engineer | 31 | Timesheet attached |
| 3. | Mr. Jai Prakash Tripathi | O&M Engineer | 31 | Timesheet attached |
| 4. | Mr. Anil Kumar Seth | Senior Electrical Engineer | 26 | Timesheet attached |
| 5. | Mr. Satish kamaraju PE | Senior Process Engineer | 01 | Timesheet attached |
| 6. | Mr. Sunil Basutkar | Senior Mechanical Engineer | 08 | Timesheet attached |
| 7. | Mr. Prasoon Bhardwaj | Instrumentation Engineer | 15 | Timesheet attached |
| 8. | Mr. Preetam Walunjkar | Senior Structure Engineer | 09 | Timesheet attached |
| 9. | Mr. Linga Krishna Rao | Safety expert | 21 | Timesheet attached |

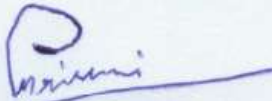
Annexure 2: Timesheets of Experts

Dr. Giridhar Prabhukumar (Team Leader)

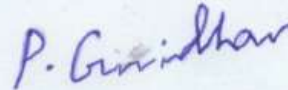
| Project Engineer | Shah Technical Consultant Pvt Ltd. | |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| NMCG-STP Projects at Kanpur under Hybrid Annuity based PPP Mode | | |
| Daily Report | | |
| Name : Giridhar Prabhukumar Position: Team Leader & Wastewater Expert | | Month/Year: Jul-21 |
| Date | Description | Location |
| 1 | Meeting and discussion with STC Team and KRMPPL regarding separate COD and issues of the recommendation of the same for Jajmau 43 MLD (Phase 2); Review of comments from electrical expert on submittals and issue of respective letter for Unnao and Pankha E&M works; Letter issued regarding alternate treatment for 210 MLD STP at Bingawan | WFH |
| 2 | Review of observations and submission of monthly activity report of 42 MLD STP at Sajari for May 2021; Discussion of pending items at all STP sites (new and existing) with respective PMs & GM of UPJN, Mr PC Shukla , KRMPPL Rep. | WFH |
| 3 | Review of observations and submission of monthly activity report of 42 MLD STP at Sajari for May 2021; Discussion of pending items at all STP sites (new and existing) with respective PMs and GM UPJN | WFH |
| 4 | SUNDAY | |
| 5 | Review of comments from electrical expert on submittals and issue of respective letter for Unnao and Pankha E&M works; Discussion on approval of new vendors with KRMPPL and UPJN | WFH |
| 6 | Reviewed and issued recommendation for variation for bedding for sewerage network at Pankha; Review of compliance reports for TEPH and RSPH for 130 MLD STP at Jajmau; Review of Monitoring report for Bingawan & Jajmau | WFH |
| 7 | Discussions with team regarding MD (UPJN) visit to Jajmau, Bingawan, Sajari, and Pankha STP sites and feedback; Discussion of Visit of Jajmau STP site regarding inspection by Dr Praveen Kr of NMCG | WFH |
| 8 | Review of progress at Pankha; issue of letters with review comments on GA, Data sheet, QAP of various equipments & piping GAD for 05 MLD STP Shuklaganj; Discussion of Bingawan & Pankha STP Site visit regarding inspection of site by Mr Rajat Kr Gupta and Dr Pravin | WFH |
| 9 | Discussion on Jajmau and Unnao STP site visit regarding inspection of site by Mr Rajat Kr Gupta | WFH |
| 10 | 2 nd SATURDAY | |
| 11 | SUNDAY | |
| 12 | Discussion with team and KRMPPL regarding various pending compliances and issues and Project progress. | WFH |
| 13 | Meeting and discussion with new GM, UPJN and KRMPPL regarding issues and Project progress | KANPUR |
| 14 | Meeting at CEO with UPJN and KRMPPL, presided by Mr BL Gautam, CE Kanpur | KANPUR |
| 15 | Review of CP 4th milestone Pankha STP | KANPUR |
| 16 | Review and issue of MoM of 14th meeting with CE UPJN Kanpur | KANPUR |
| 17 | Review and issue of MoM of 13th meeting with CE UPJN Kanpur | KANPUR |
| 18 | SUNDAY | |
| 19 | BEP I/D Unnao review and recommended | KANPUR |
| 20 | Pankha site visit and meeting with GM UPJN and KRMPPL site team; Review of comments on GA, Technical Datasheet & QAP of screen for I&D work at 15 MLD STP unnao & 5 MLD STP Shuklaganj; Prepared presentation for NMCG meeting scheduled on 18.06.2021 | KANPUR |
| 21 | Meeting at GMO with GM GPCU UPJN & KRMPPL regarding pending issues | KANPUR |
| 22 | Pankha site visit | KANPUR |
| 23 | Meeting with Mr Amit Brahmbhe O&M Incharge KRMPPL about Bingwan non compliances etc. | KANPUR |
| 24 | Conducted Video Conference attended by UPJN and KRMPPL team and ED-Projects & NMCG Team | KANPUR |
| 25 | SUNDAY | |
| 26 | Meeting with GM GPCU UPJN Kanpur and KRMPPL | KANPUR |
| 27 | Discussions with Mr PC Shukla, KRMPPL Rep regarding issues and pending recommendations & appraising shifting of proposals of Senior Civil Engineer 1st with NMCG officials. | KANPUR |
| 28 | Review of KPI adherence of Bingawan STP | KANPUR |
| 29 | Office work; Preparation of MoM DRAFT of 24th July NMCG VC Meeting | KANPUR |
| 30 | Meeting with Mr Amit Brahmbhe O&M Incharge KRMPPL about Bingwan non compliances etc. | KANPUR |
| 31 | Sajari Site Visit and Inspection | KANPUR |
| I hereby certify that the time report above is a true and complete statement of my working time for the payroll period. | | |
| Signature of Employee | | |

Mr. C.M. Dimri (Senior Civil Engineer)

| Project Engineer | | Shah Technical Consultants Pvt Limited | |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------|
| NMCG-STP Projects at Kanpur under Hybrid Annuity based PPP Mode | | | |
| Daily Report | | | |
| Name : | Chandra Mauleshwar Dimri | Month/Year: | Jul-21 |
| Position: | Senior Civil Engineer | | |
| Date | Description | Location | |
| 1 | Meeting with CE Kanpur, GM GPCU and PM1 regarding compliances of MD, UPJN inspection note and related matters. | Kanpur | |
| 2 | Discussions with Mr PC Shukla , KRMPL Rep. regarding issues and pending recommendations/ approvals | Kanpur | |
| 3 | Pankha facilities bedding calculations appraisal and discussions with Expert / Quantitative Surveyor . | Kanpur | |
| 4 | SUNDAY | | Kanpur |
| 5 | Inspection of Jajmau STP facilities with Support Engineers | Kanpur | |
| 6 | Calculations of Man days as per extended days of project according to PE agreement | Kanpur | |
| 7 | Visit of Jajmau STP site regarding inspection by Dr Praveen Kr of NMCG | Kanpur | |
| 8 | Bingawan & Pankha STP Site visit regarding inspection of site by Mr Rajat Kr Gupta and Dr Pravin | Kanpur | |
| 9 | Jajmau and Unnao STP site visit regarding inspection of site by Mr Rajat Kr Gupta | Kanpur | |
| 10 | SECOND SATURDAY | | |
| 11 | SUNDAY | | |
| 12 | Meeting with , GM GPCU and PM1 regarding compliances , issues , Vendor penel and related matters. | Kanpur | |
| 13 | Meeting with SE / EE CD UPJN Unnao regarding issues and pendency | Kanpur | |
| 14 | Meeting at CEO with UPJN and KRMPL , presided by Mr BL Gautam , CE Kanpur | Kanpur | |
| 15 | Review of CP 4th mile stone Pankha STP with PM KRMPL , Review of MoM of 13th and 14th meeting | Kanpur | |
| 16 | Finalisation of MoM of 14th meeting with CE UPJN Kanpur | Kanpur | |
| 17 | Finalisation of MoM of 13th meeting with GM gpcu UPJN Kanpur | kanpur | |
| 18 | SUNDAY | | Kanpur |
| 19 | BEP I/D Unnao appraised and recommended in hard copy | kanpur | |
| 20 | Inspection of Pankha STP facilities & Meeting with GM GPCU UPJN Kanpur along with TL & SEE | kanpur | |
| 21 | Meeting with KRMPL regarding pending issues and shifting of facilities | kanpur | |
| 22 | Meeting at GMO with GM GPCU UPJN & KRMPL | kanpur | |
| 23 | Meeting with Mr Amit Brahmbhe of KRMPL regarding Bingawan 210 MLD (O&M) Plant issues and Jajmau STP issues | kanpur | |
| 24 | Attended Video Conference of NMCG New Delhi | Kanpur | |
| 25 | SUNDAY | | |
| 26 | Meeting with GM GPCU UPJN Kanpur and KRMPL | Kanpur | |
| 27 | Discussions with Mr PC Shukla , KRMPL Rep. regarding issues and pending recommendations & appraising shifting of | Kanpur | |
| 28 | Office related works & Inspection of Pankha STP facilities | kanpur | |
| 29 | Appraising / checking of Monthly Progress Report (MPR) of the month of May 2021 | kanpur | |
| 30 | Meeting with Mr Amit Brahmbhe O&M Incharge KRMPL about Bingwan non compliances etc. | kanpur | |
| 31 | Checking of Monthly Progress Report of month June 2021 of PE | Kanpur | |



Signature of Employee

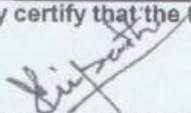


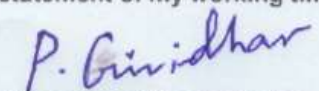
Signature of Team Leader

Mr. J. P. Tripathi (O&M Engineer)

| Project Engineer | | Shah Technical Consultants Pvt Limited | |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------|
| NMCG-STP Projects at Kanpur under Hybrid Annuity based PPP Mode | | | |
| Daily Report | | | |
| Name : | JAI PRAKASH TRIPATHI | | Month/Year: |
| Position: | O & M ENGINEER | | Jul-21 |
| Date | Description | Location | |
| 1 | Prepared draft letter regarding separate COD for 43 MLD Jajmau Phase 2 on behalf of UPJN to be sent to NMCG | Kanpur | |
| 2 | Sent observations on monthly activity report of Bingawan for the month of May 2021 | Kanpur | |
| 3 | Sent observations on monthly activity report of Sajari for the month of May 2021 | Kanpur | |
| 4 | Sunday | | |
| 5 | Discussed with GM GPCU UPJN regarding subcontracting of O & M of Bingawan, Sajari & Jajmau and forwrded copy LOA, Share Agreement of KRML and Article 8.3 | Kanpur | |
| 6 | Wrote letter to GM GPCU UPJN regarding Monitoring and Reportiting during O & M perid | Kanpur | |
| 7 | Visited 130 MLD Jajmau STP with Dr, Praveen Kumar NMCG | Kanpur | |
| 8 | Visited 210 MLD Bingawan STP with Dr, Praveen Kumar and Mr. Rajat Gupta NMCG | Kanpur | |
| 9 | Appraised TL regarding visits of 130 MLD Jajmau & 210 MLD Bingawan by Dr, Praveen and Mr. Rajat Gupta of NMCG | Kanpur | |
| 10 | Second Saturday | | |
| 11 | Sunday | | |
| 12 | Discussed with Mr. Adeem AE to plan for Joint sampling at Bingawan STP | Kanpur | |
| 13 | Discussed with new GM GPCU UPJN regarding subcontracting of O & M of Bingawan, Sajari & Jajmau and forwrded copy LOA, Share Agreement of KRML and Article 8.3 | Kanpur | |
| 14 | Attended meeting of CE UPJN Kanpur in his office regarding HAM project Kanpur | Kanpur | |
| 15 | Discssed with PM 2 GPCU regarding joint sampling at Sajari STP | Kanpur | |
| 16 | Reveiwed and finalized draft inspection report of NMCG team dated 07/07/2021to 09/07/2021 | Kanpur | |
| 17 | Reveiwed and finalized MOM of CE UPJN meeting dated 14/07/2021 | Kanpur | |
| 18 | Sunday | | |
| 19 | Discssed with PM III GPCU regarding regarding schedule of cleaning of reactors at Bingawan | Kanpur | |
| 20 | Wrote letter to PM III GPCU UPJN regarding schedule of cleaning of reactors at Bingawan | Kanpur | |
| 21 | Sent KPIs adherence reports of Sajari and Bingawan STPs | Kanpur | |
| 22 | Wrote letter to GM GPCU UPJN regarding compliance of MD UPJN visit dated 07/06/2021 | Kanpur | |
| 23 | Reveiwed and corrceted compliance report and PPT for NMCG review meeting proposed for 24/07/2021 | Kanpur | |
| 24 | Attended NMCG Google meet for review of HAM project Kanpur | Kanpur | |
| 25 | Sunday | | |
| 26 | Visit and inspection of Bingawan with GM GPCU and TL | Kanpur | |
| 27 | Corrected draft report of Mr. Dinesh Kumar Chamoli | Kanpur | |
| 28 | Prepared draft inspection report of CE UPJN, inspection done on 26/07/2021 | Kanpur | |
| 29 | Corrected and finalized MPR for the month of May 2021 | Kanpur | |
| 30 | Corrected and finalized MPR for the month of June 2021 | Kanpur | |
| 31 | Reveiwed letter from Mr. P. C. Shukla regarding issues to be discussed in the meeting of 02/08/2021 and discussed with TL regarding replies sent earlier by STC/UPJN | Kanpur | |

I hereby certify that the time report above is a true and complete statement of my working time for the payroll peri


 Signature of Employee


 Signature of Team Leader


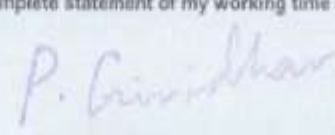
Mr. A. K. Seth (Senior Electrical Engineer)

| Project Engineer | | Shah Technical Consultants Pvt Limited | |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------|-------------|
| NMCG-STP Projects at Kanpur under Hybrid Annuity based PPP Mode | | | |
| Daily Report | | | |
| Name : | ANIL KUMAR SETH | | Month/Year: |
| Position: | Sr Electrical Engineer | | Jul-21 |
| Date | Description | Location | |
| 1 | Met CE (E/M) and SE (E/M) U.P. Jal Nigam, LKW | Kanpur | |
| 2 | Discussed with PMA, U.P. Jal Nigam LKW regarding HAM. | Kanpur | |
| 3 | Draft letter prepared regarding discussions on Vendor list for 6 items left | Kanpur | |
| 4 | SUNDAY | | |
| 5 | Final letter issued for incorporating additional vendor list | Kanpur | |
| 6 | Cable Tray and Battery Charger Submission Vetted, Vendor list approval awaited, letter raised | Kanpur | |
| 7 | Documents prepared for inspection of NMCG team | Kanpur | |
| 8 | Documents prepared for inspection of NMCG team | Kanpur | |
| 9 | Prepared documents for GM meeting | Kanpur | |
| 10 | SECOND SATURDAY | | |
| 11 | SUNDAY | | |
| 12 | Meeting attended in GM office with Ex Director Sir. | Kanpur | |
| 13 | Meeting attended in Unnao office for various issues | Kanpur | |
| 14 | meeting attended in CE, Kanpur on pending issues | Kanpur | |
| 15 | helped in preparing MOM held at unnao office & CE office | Kanpur | |
| 16 | Prepared the list of disposals and pending drawings | Kanpur | |
| 17 | Checked hard copies for sending to UPJN on approvals | Kanpur | |
| 18 | SUNDAY | | |
| 19 | Cable data sheet of Pankha | Kanpur | |
| 20 | Review of load list, max demand, Ts & Df sizing for unnao & visit of GM office | Kanpur | |
| 21 | Meeting attended in FL office with KRMPL | Kanpur | |
| 22 | Review of data sheet of Power cable & GAD of panel room & visit of GM office | Kanpur | |
| 23 | Review of Data sheet of Power cable, Unnao and meeting with KRMPL in FL office | Kanpur | |
| 24 | Attended meeting of NMCG, E.D. | Kanpur | |
| 25 | SUNDAY | | |
| 26 | Finalization of Vendor list letters for approval by UPJN | Kanpur | |
| 27 | | Kanpur | |
| 28 | | Kanpur | |
| 29 | | Kanpur | |
| 30 | | Kanpur | |
| 31 | | Kanpur | |

I hereby certify that the time report above is a true and complete statement of my working time for

| | |
|-----------------------|--------------------------|
| | |
| Signature of Employee | Signature of Team Leader |

Mr. Sunil Basutkar (Mechanical Expert)

| | | | |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------|
| Project Engineer | | Shah Technical Consultants Pvt Limited | |
| NMG-STEP Projects at Kanpur under Hybrid Annuity based PPP Mode | | | |
| Daily Report | | | |
| Name : | Sunil Basutkar | Month/Year: | Jul-21 |
| Position: | Mechanical Expert | Date | Location |
| | | | |
| 1 | | | |
| 2 | Review of Mechanical submittals of 15 MLD STP UNNAO & 30 MLD STP PANKHA | | *PUNE |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | Review of Mechanical submittals of 5 MLD STP SUKLAGANJ, 15 MLD STP UNNAO, 30 MLD STP PANKHA & 130 MLD STP JAJMAU | | *PUNE |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | Review of Mechanical submittals of 130 MLD STP JAJMAU | | *PUNE |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | *PUNE |
| 20 | Review of Mechanical submittals of 5 MLD STP SUKLAGANJ & 15 MLD STP UNNAO | | *PUNE |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | Review of Mechanical submittals of 5 MLD STP SUKLAGANJ | | *PUNE |
| 25 | | | |
| 26 | Review of Mechanical submittals of 130 MLD STP JAJMAU | | *PUNE |
| 27 | | | |
| 28 | Review of Mechanical submittals of 5 MLD STP SUKLAGANJ, 15 MLD STP UNNAO & 30 MLD STP PANKHA | | *PUNE |
| 29 | | | |
| 30 | | | |
| 31 | Review of Mechanical submittals of 130 MLD STP JAJMAU | | *PUNE |
| I hereby certify that the time report above is a true and complete statement of my working time for the payroll period. | | | |
|  Signature of Employee | |  Signature of Team Leader | |
| NOTE - * Home Office Input | | | |

Mr. Praseon Bhardwaj (Instrumentation Engineer)


| Project Engineer | | Shah Technical Consultants Pvt Limited | |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--|
| NMCG-STP Projects at Kanpur under Hybrid Annuity based PPP Mode | | | |
| Daily Report | | | |
| Name : | Praseon Bhardwaj | Month/Year: | |
| Position: | Instrumentation Engineer | Jul-21 | |
| Date | Description | Location | |
| 1 | Review of Control and operation philosophy (CIP) for 30 MLD STP at Pankha, Kanpur. | Jaipur(W/H) | |
| 2 | Review of Control and operation philosophy for 30 MLD STP at Pankha, Kanpur. | Jaipur(W/H) | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | Review of RTOLMS Soft IO List, Cable schedule of RTU/PLC and IO Assignment of RTU/PLC for 20 MLD IPS at Sundar Nagar Thermal Nallah, Pankha, Kanpur. | Jaipur(W/H) | |
| 7 | Review of IO List of RTU/PLC and Instrument List for 20 MLD IPS at Sundar Nagar Thermal Nallah, Pankha, Kanpur. | Jaipur(W/H) | |
| 8 | Review of RTOLMS Soft IO List, Cable schedule of RTU/PLC and IO Assignment of RTU/PLC for 25 MLD IPS at ICI Nallah, Pankha, Kanpur. | Jaipur(W/H) | |
| 9 | Review of IO List of RTU/PLC and Instrument List for 25 MLD IPS at ICI Nallah, Pankha, Kanpur. | Jaipur(W/H) | |
| 10 | Review of Drive Control Philosophy for 30 MLD SBR Based STP at Pankha, Kanpur. | Jaipur(W/H) | |
| 11 | Review of RTOLMS Soft IO List and Basic System Architecture for 30 MLD SBR Based STP at Pankha, Kanpur. | Jaipur(W/H) | |
| 12 | Review of Cable Schedule of PLC, IO Assignment of PLC and IO List of PLC for 30 MLD SBR Based STP at Pankha, Kanpur. | Jaipur(W/H) | |
| 13 | Review of Instrumen List and On-Line Monitoring Scheme for STP & IPS for Pankha, Kanpur. | Jaipur(W/H) | |
| 14 | Review of Data Sheet, BOM, GA & Wiring Diagram of PLC for 30 MLD SBR Based STP at Pankha, Kanpur. | Jaipur(W/H) | |
| 15 | Review of Data Sheet, BOM, GA & Wiring Diagram of PLC for 30 MLD SBR Based STP at Pankha, Kanpur. | Jaipur(W/H) | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | Review of Data sheet, Catalogue & QAP of Ultrasonic Open Channel Flow meter for 130 MLD STP Jajmau | Jaipur(W/H) | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | Review of Data sheet, Catalogue & QAP for Water quality analysers for 15 mld Unnao STP & 5 mld Shuklajung STP. | Jaipur(W/H) | |
| 31 | Review of Control & Operation Philosophy for 5 MLD STP at Shuklaganj, Kanpur. | Jaipur(W/H) | |

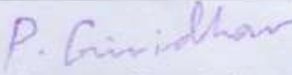
I hereby certify that the time report above is a true and complete statement of my working time for the payroll period.

| | |
|---------------------------|------------------------------|
| Signature of Employee | Signature of Team Leader |
|---------------------------|------------------------------|

Mr. L.K. Rao (Safety Expert)

| Project Engineer | Shah Technical Consultants Pvt Limited | |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| NMCG-STP Projects at Kanpur under Hybrid Annuity based PPP Mode | | |
| Daily Report | | |
| Name : | Linga Krishna Rao | Month/Year: |
| Position: | Safety Expert | Jul-21 |
| Date | Description | Location |
| 1 | Office work attended, Preparation site inspection report of Jajmau 130 MLD of 29th June, 2021 inspection along with TL Sir and Dimri Sir. | Kanpur |
| 2 | Office work attended, Panka 30 MLD Project site and ICI Nala inspection along with Support Engineer Mr.Satendra Sharma, UPJN and KRMPPL Representative. | Kanpur |
| 3 | Office work attended, Panka 30 MLD Project site and ICI Nala inspection report prepared. | Kanpur |
| 4 | Sunday | Kanpur |
| 5 | Office work attended, Shuklagunj 05 MLD Project and Unnao 15 MLD site and Pipe line laying area inspection done along with Mr.Priyesh Shukla, Support Engineer, Mr.Kapil Bansil, Support Supervisor and UPJN & KRMPPL Representatives.After inspection went to EE office for meeting. | Kanpur |
| 6 | Office work attended, Site inspection reports of Shuklagunj 05 MLD Project and Unnao 15 MLD site and Pipe line laying area inspection of dated 5th July, 2021 | Kanpur |
| 7 | Office work attended, Fire hydraunt requirement letter prepared and sent to TL for final verification, Pankha 30 MLD inspection on 2nd July, 2021 final draft prepared and sent to TL final verification. Final draft prepared on site inspection report of Shuklagunj 05 MLD and Unnao 15 5 MLD of Dtd. 5th July, 2021. | Kanpur |
| 8 | Office work attended, Review of Project ESHS (Environmental, Safety and Health System) Plan of Jajmau 130 MLD (O&M) Plant. | Kanpur |
| 9 | Office work attended, Review of CA schedule 9 -ESHS standards and "The Hazardous waste (Management & Handling 1989" for viewing the details on STP sludge management practices vs. Practical implementation of sludge management by KRMPPL in O&M Plants (Sajari, Bingawan and Jajmau). Fire hydraunt system liability by KRMPPL viewed in CA under Schedule 8 of sl.no.4 and shared the same to TL Sir. | Kanpur |
| 10 | Second Saturday | Kanpur |
| 11 | Sunday | Kanpur |
| 12 | Office work attended, Bingawan 210 MLD (O&M_ Plant inspection done along with Mr.Kapil Bansal | Kanpur |
| 13 | Office work attended, Bingawan 210 MLD (O&M) Plant report draft prepared and sent to TL for further sending it to the concerned NMCG,UPJN and KRMPPL. | Kanpur |
| 14 | Office work attended, Review of Project ESHS (Environmental, Safety and Health System) Plan of Bingawan 130 MLD (O&M) Plant. Bingawan STP licen210 MLD Inspection report of dt. 12th July, 2021 draft repor changes done as advised by Mr.Tripathi & Mr.Dimri. | Kanpur |
| 15 | Office work attended, Environmental monitoring done by M/s.Green Enviro, Pune in Construction sites Pankha 30 MLD, Unnao 15 MLD, Shuklagunj 05 MLD & O&M Plants Bingawan 210 MLD, Sajari 42 MLD, Jajmau 130 MLD and its facilities along with KRMPPL Sr.Safety Officer. | Kanpur |
| 16 | Office work attended, ESIA reminder letter prepared and shared with Mr.CM Dimri for sending it to the concerned NMCG,UPJN and KRMPPL. | Kanpur |
| 17 | Office work attended, Letter of reminder to KRMPPL prepared and shared with TL/Dimri Sir for sending to the concerned NMCG/UPJN/KRMPPL. | Kanpur |
| 18 | SUNDAY | Kanpur |
| 19 | Office work attended, Shuklagunj 05 MLD Project and Unnao 15 MLD site inspection done along with Mr.Preetham Walancher, Structural Expert and Mr.Kapil Bansil, Support Engineer & KRMPPL Representatives. ESIA reminder letter and Letter of reminder to KRMPPL on earlier inspection notes sent to the concerned NMCG, UPJN & KRMPPL. | Kanpur |
| 20 | Office work attended, Shuklagunj 05 MLD Project and Unnao 15 MLD site inspection report draft prepared. Bingawan 210 MLD (O&M) Plant report draft prepared. | Kanpur |
| 21 | Office work attended, Shuklagunj 05 MLD Project and Unnao 15 MLD site inspection report sent to the concerned NMCG, UPJN & KRMPPL. Pending works related to all the Construction sites and O&M Plants completed. | Kanpur |


Signature of Employee

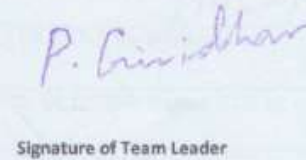

Signature of Team Leader

Mr. Preetam Walunjkar (Senior Structural Engineer)

| Project Engineer | | Shah Technical Consultants Pvt Limited | |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------|--------|
| NMCG-STP Projects at Kanpur under Hybrid Annuity based PPP Mode | | | |
| Daily Report | | | |
| Name : | Preetam Walunjkar | Month/Year: | Jul-21 |
| Position: | Senior Structural Engineer | | |
| Date | Description | Location | |
| 15 | Travel Nagaur to Kanpur STC by Train | Kanpur | |
| 16 | Review of Unnao STP Brick Manhole Chamber Drawings & Review balance drg for Shuklaganj STP | Kanpur | |
| 17 | Review Unnao STP Primary Treatment Unit Structural Drawings as foundation rest on filled up Soil. | Kanpur | |
| 18 | Sunday | Kanpur | |
| 19 | Site Visit to Unnao STP & Shuklaganj STP with Safety Expert & Support Engg Shuklaganj STP | Kanpur | |
| 20 | Site visit to Pankha STP, Sundamagar Nalla, Thermal Nalla & ICC Nalla with Sr Civil Engg & Support Engg Pankha | Kanpur | |
| 21 | Site Visit Report preparation for STP Unnao, Shuklaganj & attend meeting with KRMP in STC office | Kanpur | |
| 22 | Site Visit Report preparation for STP Pankha | Kanpur | |
| 23 | Travel Kanpur to Nagaur by Air/Road | Kanpur | |

I hereby certify that the time report above is a true and complete statement of my working time for the payroll period.


Signature of Employee


Signature of Team Leader




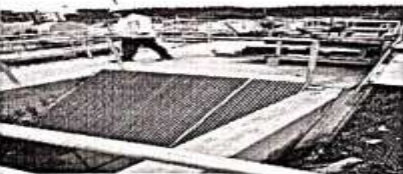
Annexure 3: Monthly Performance Report of Sajari for July 2021

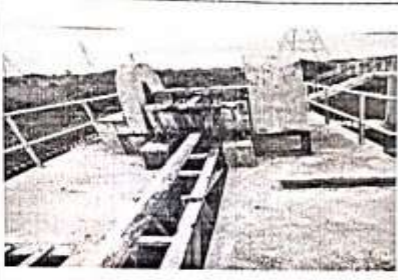



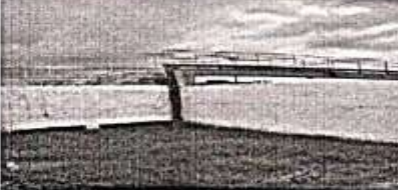
| 42 MLD SEWAGE TREATMENT PLANT, SAJARI, KANPUR | | | | | | | | | | | | | | | | | | | |
|-----------------------------------------------|----------------------|---------------------|--------------|-----------------|-------------|---------------|---------------|---------------|--------------|-----------------|-------------|---------------|--------------|--------------|---------------|----------|-------------------|----------------------------------------------------------------|--------|
| MONTHLY FLOW & LAB REPORT | | | | | | | | | | | | | | | | | | | |
| Date | INLET FLOW in MLD | Plant Run in HRS | RAW SEWAGE | | | | | | | | | FINAL OUTLET | | | | | POWER SHUTDOWN | | REMARK |
| | | | Temp | TDS | PH | COO | BOD | TSS | Temp | TDS | PH | COO | BOD | TSS | F.C | HR | MIN | | |
| | | | °C | ppm | (7-8) | (mg/l) | (250 mg/l) | (1000 mg/l) | °C | ppm | (7-8) | (c100mg/l) | (c10mg/l) | (c50mg/l) | MPN/100ML | | | | |
| 1-Jul | 20.13 | 24.00 | 28 | 1368 | 7.7 | 416 | 160 | 297 | 28 | 1025 | 7.9 | 98 | 25 | 44 | 220 | | | ONE STREAM IS UNDER OPERATION | |
| 2-Jul | 21.04 | 24.00 | 28 | 1418 | 7.5 | 496 | 168 | 305 | 28 | 1044 | 7.8 | 112 | 25 | 40.0 | 270 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 3-Jul | 21.46 | 24.00 | 28 | 1440 | 7.7 | 512 | 195 | 310 | 28 | 1060 | 8.1 | 116 | 26 | 42 | 290 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 4-Jul | 21.21 | 24.00 | 29 | 1485 | 7.6 | 624 | 180 | 325 | 28 | 1095 | 8.1 | 120 | 26 | 46.0 | 320 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 5-Jul | 20.71 | 24.00 | 29 | 1470 | 7.5 | 544 | 174 | 312 | 28 | 1065 | 7.9 | 112 | 25 | 43 | 280 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 6-Jul | 20.87 | 24.00 | 29 | 1490 | 7.6 | 608 | 180 | 322 | 29 | 1072 | 7.8 | 118 | 26 | 47 | 310 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 7-Jul | 20.21 | 24.00 | 29 | 1388 | 7.5 | 496 | 182 | 307 | 29 | 1060 | 7.9 | 110 | 27 | 43 | 260 | 1 | 28 | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 8-Jul | 22.11 | 24.00 | 28 | 1270 | 7.8 | 384 | 178 | 274 | 29 | 995 | 7.8 | 96 | 26 | 39 | 240 | | | ONE STREAM IS UNDER OPERATION | |
| 9-Jul | 22.94 | 24.00 | 28 | 1305 | 7.5 | 464 | 186 | 298 | 28 | 1012 | 7.9 | 104 | 26 | 43 | 270 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 10-Jul | 21.86 | 24.00 | 28 | 1368 | 7.7 | 356 | 175 | 305 | 28 | 1030 | 8.1 | 110 | 26 | 45 | 290 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 11-Jul | 22.69 | 24.00 | 28 | 1328 | 7.5 | 356 | 160 | 254 | 28 | 1015 | 7.9 | 92 | 27 | 39 | 240 | | | ONE STREAM IS UNDER OPERATION | |
| 12-Jul | 20.46 | 24.00 | 28 | 1254 | 7.8 | 544 | 168 | 325 | 28 | 1040 | 7.8 | 120 | 26 | 46 | 410 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 13-Jul | 20.87 | 24.00 | 28 | 1410 | 7.7 | 608 | 176 | 314 | 28 | 1081 | 7.9 | 124 | 27 | 43 | 380 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 14-Jul | 20.67 | 24.00 | 28 | 1438 | 7.5 | 528 | 185 | 297 | 28 | 1135 | 7.8 | 130 | 26 | 47 | 360 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 15-Jul | 20.13 | 24.00 | 28 | 1405 | 7.7 | 464 | 172 | 321 | 28 | 1094 | 7.9 | 116 | 26 | 41 | 390 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 16-Jul | 20.38 | 24.00 | 28 | 1430 | 7.5 | 480 | 178 | 325 | 28 | 1080 | 8.1 | 118 | 27 | 44 | 340 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 17-Jul | 22.19 | 24.00 | 28 | 1460 | 7.7 | 512 | 165 | 316 | 28 | 1120 | 7.9 | 124 | 26 | 47 | 370 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 18-Jul | 25.41 | 24.00 | 28 | 1315 | 7.5 | 380 | 174 | 246 | 28 | 995 | 7.9 | 92 | 26 | 39 | 330 | | | ONE STREAM IS UNDER OPERATION | |
| 19-Jul | 24.95 | 24.00 | 28 | 1368 | 8 | 384 | 182 | 262 | 28 | 1005 | 8 | 96 | 26 | 37 | 390 | | | ONE STREAM IS UNDER OPERATION | |
| 20-Jul | 25.91 | 24.00 | 28 | 1280 | 8 | 356 | 166 | 264 | 28 | 990 | 8 | 98 | 26 | 39 | 350 | | | ONE STREAM IS UNDER OPERATION | |
| 21-Jul | 22.85 | 24.00 | 28 | 1290 | 8 | 380 | 152 | 281 | 28 | 978 | 8 | 96 | 26 | 41 | 390 | | | ONE STREAM IS UNDER OPERATION | |
| 22-Jul | 21.86 | 24.00 | 28 | 1340 | 8 | 448 | 175 | 297 | 28 | 1020 | 8 | 104 | 27 | 44 | 410 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 23-Jul | 20.46 | 24.00 | 28 | 1355 | 8 | 464 | 165 | 316 | 28 | 1075 | 8 | 110 | 26 | 47 | 380 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 24-Jul | 20.21 | 24.00 | 28 | 1360 | 8 | 460 | 170 | 320 | 28 | 1090 | 8 | 112 | 26 | 42 | 340 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 25-Jul | 20.05 | 24.00 | 28 | 1420 | 8 | 512 | 195 | 317 | 28 | 1135 | 8 | 116 | 26 | 46 | 360 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 26-Jul | 21.86 | 24.00 | 28 | 1338 | 7.6 | 456 | 175 | 292 | 28 | 1040 | 7.9 | 102 | 27 | 39 | 430 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| 27-Jul | 24.42 | 24.00 | 27 | 1290 | 7.5 | 380 | 162 | 269 | 27 | 990 | 8.0 | 98 | 26 | 41 | 450 | | | ONE STREAM IS UNDER OPERATION | |
| 28-Jul | 24.95 | 24.00 | 27 | 1360 | 7.5 | 384 | 168 | 273 | 27 | 1065 | 7.9 | 96 | 27 | 38 | 410 | | | ONE STREAM IS UNDER OPERATION | |
| 29-Jul | 25.25 | 24.00 | 27 | 1240 | 7.5 | 356 | 155 | 286 | 27 | 886 | 7.8 | 92 | 26 | 34 | 380 | | | ONE STREAM IS UNDER OPERATION | |
| 30-Jul | 25.91 | 24.00 | 27 | 1370 | 7.6 | 408 | 164 | 310 | 27 | 990 | 7.9 | 98 | 27 | 46 | 350 | | | ONE STREAM IS UNDER OPERATION | |
| 31-Jul | 25.67 | 24.00 | 27 | 1390 | 7.5 | 456 | 175 | 294 | 27 | 1010 | 8.1 | 104 | 26 | 44 | 330 | | | ONE STREAM IS UNDER OPERATION Found Dye color in Raw Sewage | |
| TOTAL | 689.63 | | | | | | | | | | | | | | | | | | |
| AVG | 22.25 | 24.00 | 27.97 | 1,370.81 | 7.57 | 459.23 | 173.48 | 297.87 | 27.97 | 1,040.71 | 7.95 | 107.23 | 26.94 | 42.39 | 345.16 | 1 | 28 | | |

Note : Their is ingress of Industrial Waste water [coloured] at STP from Sanigawan area, which was experienced on dates of 2,3,4,5,6,7,9,10,12,13,14,15,16,17,22,23,24,25,26,31 July 2021.

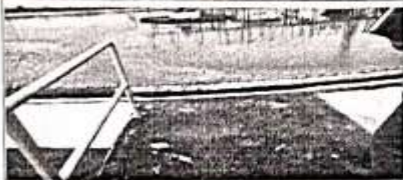

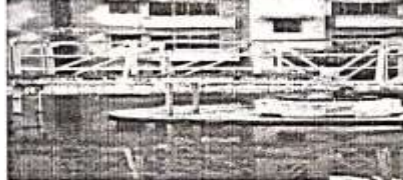



Annexure 4: Site Inspection Report for the Month of June 2021 (Sajari)

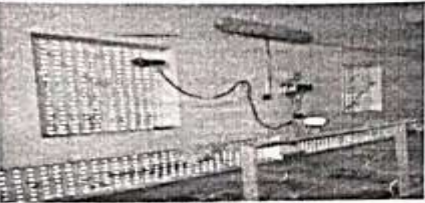





| S. No. Equipment | Assessment of Current Condition | Assessment of Current Condition Photo | Corrective Action Suggested by STC | Corrective Action Completed by O&M? | Original Date of Issue | Proposed Date to Resolve by O&M/STC | Current Status of Compliance |
|-------------------------------------|------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------|-------------------------------------|------------------------------|
| II WEST CHAMBER | | | | | | | |
| 1 West Chamber (No.1) | Operational | | | | | | Compliant |
| 2 West Chamber (No.2) | Non-Operational | | Disarm to be replaced | | 11.07.2021 | | PENDING |
| 3 West Flow Meter | Under maintenance | | Flow transmitter needs to be connected with manual Mechanical Control Screen panel | | 11.07.2021 | | PENDING |
| 4 West Chamber Control Panel | Auto System of West Chamber - I & II Panel are Under Maintenance | | Auto system of mechanical control panel are need to be connected with flow meter for proper auto system working | | 11.07.2021 | | PENDING |
| III BARRIAGE PUMPING STATION | | | | | | | |
| 1 Raw Sewage Pump 01 | Operational | | Discharge line pressure gauge needs to be replaced | | 11.07.2021 | | |
| 2 Raw Sewage Pump 02 | Operational | | Discharge line pressure gauge needs to be replaced | | 11.07.2021 | | |
| 3 Raw Sewage Pump 03 | Operational | | Discharge line pressure gauge needs to be replaced | | 11.07.2021 | | |
| 4 Raw Sewage Pump 04 | Non-Operational | | It is under repairability need level Discharge line pressure gauge needs to be replaced | | 11.07.2021 | | |

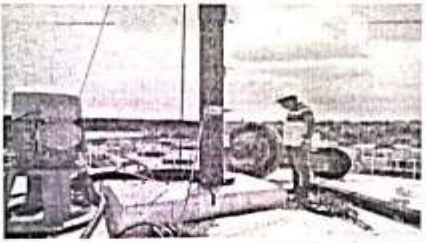


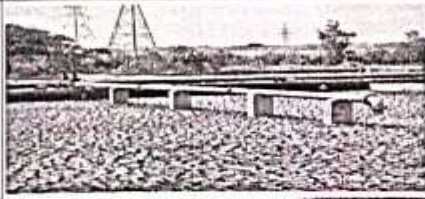


| | | | | | | | |
|----------------------------|---------------------------|---------|-------------------------------------------------------------------------------------|------------------------------------------------------|------------|--|---------|
| 6 | New Sewage Pump (5) | Control | | Discharge line around pump head to be replaced | 01.07.2021 | | |
| 6 | New Sewage Pump (4) Pump | Control | | Needs to repair machinery | 01.07.2021 | | PENDING |
| 7 | New Sewage Pump Station | Control |  | Needs to be checked of labor safety reports | 01.07.2021 | | PENDING |
| 8 | New Sewage Pump Station 2 | Control | | Needs to be repair the door of Sewage Pump Station 2 | 01.07.2021 | | PENDING |
| C. POND/SLURRY UNIT | | | | | | | |
| 1 | Pre-cast No. 1 (Met) | Control |  | Pre-cast segment to be replace | 01.07.2021 | | PENDING |
| 2 | Pre-cast No. 2 (Met) | Control |  | Pre-cast segment to be replaced | 01.07.2021 | | PENDING |
| 3 | Pre-cast No. 3 (Met) | Control |  | Check the Manual cover | 01.07.2021 | | PENDING |



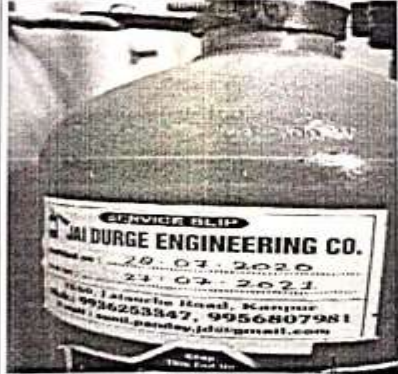
| | | | | | | | | |
|----|--------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--|------------|--|---------|
| 4 | Grinder 2 Dispersing wheel change Clarifier Motorbox | Operational |  | Clarifier dispersing wheel to be replaced. Flanking needs to be done to equipment 2 days whenever being | | 01.07.2021 | | |
| 5 | Grinder 2 Motor Dispersing wheel Block Clarifier Motorbox | Operational |  | Flanking needs to be done | | 01.07.2021 | | PENDING |
| 6 | PST 1 | Not Operational |  | Has to be checked on regular basis. And maintenance report for PST 1. | | | | |
| 7 | PST 2 | Operational | | Has to be checked on regular basis. And maintenance report for PST 1. | | | | |
| 8 | Fire screen | Auto Screen of Fire Screen (1 & 2) panel are not working | | Need to be repaired the auto screen of Fire Screen (1 & 2) panel | | 01.07.2021 | | PENDING |
| 9 | Fire screen | Fire Screen Cabin Top has been broken. Broken condition |  | Need to be repaired the broken cabin top | | 01.07.2021 | | PENDING |
| 10 | Grinder 2 | Get back Remote Panel on both buttons working | | Need to repair the remote panel of both buttons | | | | |
| | PST 1 & PST 2 | PST 1 & PST 2 tank the pressure has to be checked regularly |  | Need to be repaired the pressure tank | | 01.07.2021 | | Pending |
| 11 | REGULATOR TANK | | | | | | | |

| | | | | | | | | | |
|-----------------------------------|------------|--------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|------------|--|---------|--|
| 1 | Area no.1 | Operational | | Violation check on regular basis. And violation report for next month | | | | | |
| 2 | Area no.2 | Operational | | Violation check on regular basis. And violation report for next month | | | | | |
| | Area no.3 | Under no. 1 Code Strongly prohibited | | Notice is being displayed for Area no.3. photo's | | 01/07/2021 | | Penalty | |
| 3 | Area no.4 | Operational | | Violation check on regular basis. And violation report for next month | | 01/07/2021 | | | |
| 4 | Area no.5 | Operational | | Violation check on regular basis. And violation report for next month | | 01/07/2021 | | | |
| 5 | Area no.6 | Operational | | Violation check on regular basis. And violation report for next month | | 01/07/2021 | | | |
| 6 | Area no.7 | Not Operational | | Violation check on regular basis. And violation report for next month. On the status is in working as per instructed by PACT. | | 01/07/2021 | | | |
| 8 | Area no.8 | Operational | | Violation check on regular basis. And violation report for next month | | 01/07/2021 | | | |
| 9 | Area no.9 | Operational | | Violation check on regular basis. And violation report for next month | | 01/07/2021 | | | |
| 10 | Area no.10 | Not Operational | | Violation check on regular basis. And violation report for next month. On the status is in working as per instructed by PACT. | | 01/07/2021 | | | |
| 11 | Area no.11 | Not Operational | | Violation check on regular basis. And violation report for next month. On the status is in working as per instructed by PACT. | | 01/07/2021 | | | |
| 12 | Area no.12 | Operational | | Violation check on regular basis. And violation report for next month | | 01/07/2021 | | | |
| 1. SECONDARY CLAY PITS AND | | | | | | | | | |

| | | | | | | | |
|---------------------|----------------------------------|-----------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------|--|---------|
| 1 | 071 | Not Started |  | It requires immediate attention of Union. Further works to be provided | 21.04.2021 | | PENDING |
| 2 | 072 | Delayed |  | | | | |
| 3 | 072 | Delayed |  | Need drawing of Lade | 01.07.2021 | | |
| 3 | Item Subpart 1 | Not Operational |  | It requires immediate rectify. Outage the present page work to be resumed | 01.07.2021 | | |
| 4 | Item Subpart 2 | Not Operational | | Need to immediately rectify | 01.07.2021 | | PENDING |
| 5 | Item Subpart 3 | Delayed |  | Need drawing of Lade | 01.07.2021 | | |
| DALWADI AREA | | | | | | | |
| 1 | Close to main Canal (Dy 48) tail | Delayed |  | 1) It requires immediate attention of Union. 2) During inspection if you find some items are collected and it is the same | 01.07.2021 | | |

| | | | | | | | |
|------------------------|----------------------------------------|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------|--|--------|
| 1 | Transmission Voltage Protection device | Not Operational |  | Need to be provided the proper cables to Communication panel and/or for device | 01.07.2021 | | |
| 2 | Utility Street | Operational |  | | | | |
| B Sludge system | | | | | | | |
| 1 | Sludge Thickener 1 | Operational |  | Sludge Thickener is filled with sludge and influent is properly not treated by Sludge Thickener. Sludge withdrawn not present | 21.01.2021 | | FF/DAE |
| 2 | Sludge Thickener 2 | Not Operational |  | Sludge Thickener is filled with sludge and influent is properly not treated by Sludge Thickener. Sludge withdrawn not present | 03.01.2021 | | FF/DAE |
| 3 | Thickened Sludge pump | Not Operational |  | It requires immediate repair | 28.04.2021 | | FF/DAE |
| 4 | Thickened Sludge pump | Operational | | | | | |
| 5 | Sludge System 02 | Operational |  | | | | |

| | | | | | | | | | |
|----|---------------------|-----------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------|--|--|--|--|
| 6 | Sludge pump 02 | No Operat |  | It is require immediately start | 01/06/2021 | | | | |
| 7 | Sludge pump 1 | Operat |  | | | | | | |
| 8 | Sludge pump 2 | Operat | | | | | | | |
| 9 | Sludge pump 3 | Operat |  | Filter press provide the battery backup. Periodic maintenance and calibration are to be working condition. | 01/06/2021 | | | | |
| 10 | Sludge thickener 1 | Operat | | | | | | | |
| 11 | Sludge thickener 2 | Operat | | | | | | | |
| 12 | Sludge drying bed 1 | Operat |  | It is require to repair the sludge on regular basis. | 01/07/2021 | | | | |
| 13 | Sludge drying bed 2 | Operat |  | It is require to repair the sludge on regular basis. | 01/07/2021 | | | | |
| 14 | Sludge drying bed 3 | Operat |  | It is require to repair the sludge on regular basis. | 01/07/2021 | | | | |
| 15 | Sludge drying bed 4 | Operat | | It is require to repair the sludge on regular basis. | 01/07/2021 | | | | |

| | | | | | | | |
|------------------------------|---------------------------------|----------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------|------------|--|--|
| 26 | Sludge thick bed 1 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 27 | Sludge thick bed 2 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 28 | Sludge thick bed 3 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 29 | Sludge thick bed 4 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 30 | Sludge thick bed 5 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 31 | Sludge thick bed 6 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 32 | Sludge thick bed 7 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 33 | Sludge thick bed 8 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 34 | Sludge thick bed 9 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 35 | Sludge thick bed 10 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 36 | Sludge thick bed 11 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 37 | Sludge thick bed 12 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 38 | Sludge thick bed 13 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 39 | Sludge thick bed 14 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 40 | Sludge thick bed 15 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 41 | Sludge thick bed 16 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 42 | Sludge thick bed 17 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 43 | Sludge thick bed 18 | Water in sludge | | It is required to stop the sludge in regular basis | 11.07.2021 | | |
| 44 | Flowed pump 1 | Stopped | | | | | |
| 45 | Flowed water submersible pump | Stopped | | | | | |
| 46 | Flowed water submersible pump 2 | Stopped | | | | | |
| 47 | Flowed effluent water channel | |  | Sampled water sample at the outlet of CCT. | 11.07.2021 | | |
| Remarks: | | | | | | | |
| Civil Observations | | | | | | | |
| 1 | | | | | 11.07.2021 | | |
| 2 | | | | | 11.07.2021 | | |
| 3 | | | | | 11.07.2021 | | |
| 4 | | | | | 11.07.2021 | | |
| 5 | | | | | 11.07.2021 | | |
| 6 | | | | | 11.07.2021 | | |
| ES&E Observations | | | | | | | |
| 1 | 1071 | Material moving in the within |  | Material need to provide | 11.07.2021 | | |
| 2 | | The digester will patch the site |  | Investigation is needed | 11.07.2021 | | |

Signature 1 *Signature 2* *Signature 3*

Annexure 5: Test Result of Joint Sampling Report of Influent & Treated Effluent (Sajari)

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CIN:U73200DL2006PTC355036

Format No:SRL/TRF/GEN
Issue No 01, Issue Date 01-04-2017
Page 1 of 2

TEST REPORT

MA7-11

Test Report Issued To:

KANPUR RIVER MANAGEMENT PVT. LTD.
SHAPOORJI PALLONJI AND CO. PVT. LTD., U.P. JAL
NIGAM,
BENAJHABAR ROAD,
KANPUR, UTTAR PRADESH - 208002,
INDIA

Test Report No: K210513002/K210513002-11

Date of issue: 31-May-2021



Sample Booking/Receipt Date: 13-May-2021

Date of Start of Testing: 15-May-2021

Date of Completion of Test: 22-May-2021

Customer Relationship Number 56524

Sample Description :
SAJARI-TREATED SEWAGE



Customer Reference No

REQUEST EMAIL DT-12.05.2021

Kind Attention : MR. AMIT BHARAMBE
E-Mail: amit.bharambe@shapoorji.com Contact No: 9833373179

Sample Condition : AS RECEIVED

Sample Quantity (Approx) : - Sample Size (Approx) : -

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED



ULR-TC78452100004857F



Report Issued By

Authenticity of report can be verified by mail at verification@spectrolab.in
This is a Digitally Signed Report and hence doesn't require Physical Signature.

Spectro Research Lab Ventures (P) Ltd, G-3, Bajrang Ball Industrial Area, Near Panki Site-IV, Kanpur-208020(India)
Phone +91-9235503984/85 || Web: www.spectroresearchlabs.com || Email: knr@spectro.in
ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory
Please refer to our Website <http://www.spectro.in/spectro-policies.html> for Terms & Condition

ID- K210513002-1

Date of start of testing: 15.05.2021
Date of completion of testing: 22.05.2021

| Sl. No. | Test Parameter | Observed Value | Test Method |
|---------|------------------------------|----------------|----------------------------------|
| 1. | Total Suspended Solids, mg/l | 38 | IS:3025(P-15)-1984 (RA-2019) |
| 2. | C.O.D, mg/l | 99.59 | IS:3025(P-58)-2006 (RA-2017) |
| 3. | B.O.D (5 days) at 20°C, mg/l | 26.58 | APHA 5210-B (23rd Edition): 2017 |

*****End of report*****



[Handwritten Signature]
Analyst Signature



– End of Test Report –

ULR-TC784521000004857F



Authorised Signatory

Spectro Research Lab Ventures (P) Ltd, G-3, Bajrang Ball Industrial Area, Near Panki Site-IV, Kanpur-208020(India)
Phone :+91-9235503984/85 || Web: www.spectroresearchlabs.com|| Email: krp@spectro.in
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Analytical Labs Limited

CIN:U74220DL1998PLC092698

Format No:SALL/TRF/GEN
Issue No 01, Issue Date 01-04-2017
Page 1 of 2

TEST REPORT

May-21

Test Report Issued To:

KANPUR RIVER MANAGEMENT PVT. LTD.

SHAPOORJI PALLONJI AND CO. PVT. LTD., U.P. JAL
NIGAM,
BENAJHABAR ROAD,
KANPUR, UTTAR PRADESH - 208002,
INDIA

Test Report No:

K210513002/K210513002-30

Date of Issue: 20-May-2021



Sample Booking/Receipt Date: 13-May-2021

Date of Start of Testing: 13-May-2021

Date of Completion of Test: 17-May-2021

Customer Relationship Number 56524

Sample Description :

SAJARI-DEWATERED SLUDGE (OUTLET CONCENTRATION)



Customer Reference No

REQUEST EMAIL DT-12.05.2021

Kind Attention : MR. AMIT BHARAMBE
E-Mail: amit.bharambe@shapoorji.com

Contact No: 9833373179

Sample Condition : AS RECEIVED

Sample Quantity (Approx) :

Sample Size (Approx) :

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED



Digitally signed
by YOGESH
MALIK
Date: 2021.05.20
15:47:15 +05:30
Report issued By

Authenticity of report can be verified by mail at verification@spectrolab.in

This is a Digitally Signed Report and hence doesn't require Physical Signature.

Spectro Analytical Labs Limited, E-41, Okhla Indl. Area, Phase-II, New Delhi-110020(India)

Phone : +91-11-40522000, 41611000 || Web: www.spectro.in || Email: care@spectro.in

ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory

Please refer to our Website <http://www.spectro.in/spectro-policies.html> for Terms & Condition

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Analytical Labs Limited **TEST REPORT**
I74220DL1998PLC092698

Format No. SALLTRF1GEN
Issue No 01, Issue Date: 01.04.17

Page 2 of 2

Report No. K210513002/K210513002-30

ID- K210513002-3

Microbiological Testing

| S. No. | Test Parameters | Observed Results | PROTOCOL |
|--------|-----------------------------|------------------|--------------|
| 1. | Faecal coliform, MPN/100 ml | Absent | IS:1622:1981 |



-- End of Test Report --

Mohini Bose
Analyst Signature



Digitally signed
by YOGESHA
MALIK
Date: 2021.05.20
15:47:15 +0530

Authorised Signatory

Spectro Analytical Labs Limited, E-41, Okhla Indl. Area, Phase-II, New Delhi-110020(India)
Phone :+91-11-40522000, 41611000 || Web: www.spectro.in|| Email: care@spectro.in
ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory

Annexure 6: Monthly Performance Report of Bingawan for July 2021

| 210 MLD SEWAGE TREATMENT PLANT, BINGAWAN, KANPUR | | | | | | | | | | | | | | | | | | |
|--------------------------------------------------|-------------------|------------------|-------------|--------------|------------|---------------|---------------|---------------|--------------|--------------|------------|----------------|---------------|---------------|------------------------|----------------|------|--------------------------------|
| MONTHLY FLOW & LAB REPORT | | | | | | | | | | | | | | | | | | |
| MONTH: JULY-2021 | | | | | | | | | | | | | | | | | | |
| Date | INLET FLOW in MLD | Plant Run in HRS | RAW SEWAGE | | | | | | FINAL OUTLET | | | | | | Sludge Concentration % | POWER SHUTDOWN | | REMARK |
| | | | Temp | TDS | PH (7-8) | COD (523mg/l) | BOD (322mg/l) | TSS (418mg/l) | Temp | TDS | PH (7-8) | COD (<100mg/l) | BOD (<30mg/l) | TSS (<50mg/l) | | HRS | MONS | |
| | | | °c | ppm | ppm | ppm | ppm | ppm | °c | ppm | ppm | ppm | ppm | ppm | | | | |
| 1-Jul-21 | 140.43 | 24.0 | 30 | 1070 | 7.1 | 608 | 175 | 545 | 29 | 1060 | 7.3 | 144 | 45 | 48 | 35.4 | | | |
| 2-Jul-21 | 131.91 | 24.0 | 30 | 1080 | 7.1 | 592 | 170 | 550 | 29 | 1080 | 7.3 | 128 | 43 | 51 | 35.8 | | | |
| 3-Jul-21 | 136.24 | 24.0 | 29 | 1020 | 7.2 | 616 | 180 | 520 | 28 | 1010 | 7.4 | 136 | 46 | 47 | 35.0 | | | |
| 4-Jul-21 | 133.12 | 24.0 | 30 | 1030 | 7.1 | 600 | 165 | 540 | 30 | 1040 | 7.3 | 144 | 42 | 52 | 35.8 | | | |
| 5-Jul-21 | 138.33 | 24.0 | 29 | 1080 | 7.1 | 624 | 185 | 560 | 28 | 1050 | 7.3 | 160 | 47 | 60 | 36.7 | | | |
| 6-Jul-21 | 139.72 | 24.0 | 29 | 1100 | 7.2 | 608 | 180 | 550 | 28 | 1090 | 7.5 | 152 | 44 | 60 | 37.0 | | | |
| 7-Jul-21 | 96.67 | 24.0 | 28 | 1010 | 7.1 | 600 | 170 | 545 | 28 | 1000 | 7.3 | 144 | 42 | 58 | 34.8 | 10 | 30 | 33KV HT Fault from KesCO Side. |
| 8-Jul-21 | 76.54 | 24.0 | 28 | 950 | 7.1 | 606 | 190 | 575 | 28 | 940 | 7.2 | 168 | 49 | 62 | 36.3 | 14 | 25 | 33KV HT Fault from KesCO Side. |
| 9-Jul-21 | 144.06 | 24.0 | 29 | 910 | 7.2 | 592 | 165 | 550 | 28 | 900 | 7.3 | 144 | 41 | 54 | 34.0 | | | |
| 10-Jul-21 | 137.12 | 24.0 | 28 | 950 | 7.1 | 608 | 170 | 535 | 27 | 930 | 7.3 | 160 | 43 | 57 | 35.5 | | | |
| 11-Jul-21 | 111.96 | 24.0 | 27 | 970 | 7.1 | 624 | 180 | 565 | 27 | 950 | 7.4 | 152 | 44 | 51 | 33.0 | | | |
| 12-Jul-21 | 113.69 | 24.0 | 28 | 940 | 7.1 | 616 | 175 | 550 | 28 | 930 | 7.3 | 144 | 42 | 54 | 31.6 | | | |
| 13-Jul-21 | 132.27 | 24.0 | 30 | 990 | 7.2 | 600 | 185 | 540 | 29 | 960 | 7.4 | 148 | 45 | 57 | 37.6 | | | |
| 14-Jul-21 | 137.81 | 24.0 | 30 | 970 | 7.1 | 624 | 190 | 570 | 30 | 950 | 7.3 | 136 | 44 | 63 | 34.2 | | | |
| 15-Jul-21 | 140.93 | 24.0 | 30 | 1010 | 7.1 | 608 | 170 | 545 | 29 | 1000 | 7.2 | 152 | 41 | 54 | 35.7 | | | |
| 16-Jul-21 | 138.35 | 24.0 | 29 | 1020 | 7.1 | 616 | 175 | 560 | 29 | 980 | 7.3 | 144 | 43 | 60 | 32.0 | | | |
| 17-Jul-21 | 144.60 | 24.0 | 29 | 1000 | 7.3 | 632 | 180 | 550 | 29 | 930 | 7.4 | 160 | 45 | 54 | 37.1 | | | |
| 18-Jul-21 | 163.34 | 24.0 | 28 | 990 | 7.1 | 604 | 165 | 565 | 28 | 950 | 7.3 | 140 | 42 | 57 | 35.0 | | | |
| 19-Jul-21 | 158.14 | 24.0 | 29 | 970 | 7.1 | 608 | 170 | 540 | 29 | 960 | 7.3 | 128 | 44 | 51 | 32.0 | | | |
| 20-Jul-21 | 153.97 | 24.0 | 28 | 950 | 7.2 | 600 | 160 | 560 | 28 | 930 | 7.4 | 136 | 41 | 57 | 34.2 | 1 | 5 | 33KV HT Fault from KesCO Side. |
| 21-Jul-21 | 164.89 | 24.0 | 30 | 980 | 7.1 | 624 | 175 | 575 | 30 | 950 | 7.4 | 144 | 43 | 60 | 36.4 | | | |
| 22-Jul-21 | 164.20 | 24.0 | 30 | 970 | 7.1 | 616 | 170 | 545 | 29 | 960 | 7.3 | 136 | 42 | 51 | 36.0 | | | |
| 23-Jul-21 | 151.01 | 24.0 | 30 | 1000 | 7.1 | 640 | 180 | 560 | 29 | 980 | 7.3 | 152 | 44 | 54 | 31.6 | | | |
| 24-Jul-21 | 147.18 | 24.0 | 30 | 950 | 7.1 | 608 | 165 | 540 | 30 | 930 | 7.2 | 132 | 43 | 57 | 34.2 | | | |
| 25-Jul-21 | 140.08 | 24.0 | 30 | 990 | 7.1 | 624 | 170 | 550 | 30 | 970 | 7.2 | 144 | 45 | 60 | 34.5 | | | |
| 26-Jul-21 | 139.04 | 24.0 | 30 | 970 | 7.1 | 632 | 185 | 545 | 30 | 940 | 7.3 | 160 | 47 | 54 | 33.6 | | | |
| 27-Jul-21 | 133.83 | 24.0 | 29 | 1010 | 7.1 | 640 | 190 | 565 | 29 | 1000 | 7.4 | 152 | 44 | 63 | 34.0 | | | |
| 28-Jul-21 | 144.60 | 24.0 | 28 | 950 | 7.2 | 616 | 180 | 535 | 28 | 930 | 7.4 | 128 | 42 | 51 | 37.0 | | | |
| 29-Jul-21 | 131.56 | 24.0 | 30 | 980 | 7.1 | 600 | 165 | 550 | 30 | 970 | 7.3 | 144 | 41 | 57 | 36.5 | | | |
| 30-Jul-21 | 149.97 | 24.0 | 30 | 970 | 7.1 | 606 | 185 | 580 | 30 | 950 | 7.3 | 160 | 46 | 64 | 34.2 | | | |
| 31-Jul-21 | 133.65 | 24.0 | 30 | 990 | 7.1 | 624 | 175 | 540 | 29 | 970 | 7.3 | 144 | 42 | 51 | 35.0 | | | |
| TOTAL | 4269.21 | 24.00 | | | | | | | | | | | | | | | | |
| AVG | 137.72 | 24.00 | 29.2 | 992.9 | 7.1 | 616.6 | 175.5 | 551.6 | 28.8 | 975.5 | 7.3 | 145.7 | 43.6 | 55.8 | 34.9 | | | |

Annexure 7: Site Inspection Reports for the Month of July-2021 (Bingawan)**Inspection report of Bingawan STP 210 MLD**

Visit & Inspected on date: 12-07-2021

Following STC & KRMPL Staff were present

- 1 Mr.Linga Krishna Rao ,Expert safety
- 2 Mr.Kapil Bansal, Support Supervisor(Civil)
- 3 Mr.Aveenash Mourya, JE, UPJN
- 4 Mr.Sokat Ali, Safety Officer, KRMPL
- 5 Mr.Sandeep Sharma, Pankha Incharge, KRMPL
- 6 Mr.Surab Singh, Admn.Officer, KRMPL

The following are the observations as given below.

Sludge waste management:

Sludge waste was dumped on the plants at many places as shown in the photos. UPJN allotted sludge dumping yard at back side of sludge ponds area. Instead of keeping the sludge at dumping yard, KRMPL thronging sludge on the plants, due to this 50 number of plants (small trees) destroyed. This situation is against the CA under schedule 8. KRMPL is advised not to repeat such unfair things in future. The dumped sludge on the plant has to be removed and shifted to UPJN identified sludge dump yard which is located at the back side of polishing sludge ponds.

Plant House-Keeping

At plant area and UASB Reactors area unwanted material need to be removed for maintaining good House-keeping. Plant area housekeeping is very poor and it is not appearing as running plant at many places as shown in the pics. KRMPL is advised to maintain good hosue keeping in entire plant premises. In plant area one scrap yard to be developed for storage of scrap material in the site and scattered scrap to be removed. Hot work area to be earmarked and barricaded and cautions boards need to be displayed like "dump yard/scrap yard", "hot work area" "unauthorised person restricted" etc, Unwanted material to be removed from the main site area and stores systematically.

Along with the observation of sludge waste management and house-keeping, following safety related points were also observed.

Safety inspection points:

- 1) Chlorine plant area neutralization pit is not kept ready to use. Chlorine detector and alarm system to be arranged for safety of operators and workers working in this area. In case of emergency it is difficult, required caution boards and unit name boards to be displayed on each unit.
- 2) According to "Manufacturing storage and import of hazardous chemicals rules 1989" Chlorine licence need to be taken.
- 3) Off site & On site emergency management to be implemented, Sso in case of chlorine leakage emergency preparedness, action plan, emergency phone numbers, Govt.official numbers, hospital, fire, police etc., Training classes on "Controlling of leaked gas" "arresting the chlorine leak from cylinder", "how to attend the leak point by wearing SCBA" etc., training to be given periodically to the workers and staff.
- 4) SCBA (self contained breathing apparatus) is in good condition and the required training on usage of SCBA for workers were not given. KRMPL must organise training to all the employees working in and around this chlorine plant area. During our recent check it was found that the workers training is not up to the mark on the chlorine gas leakage, handling of chlorine & usage of SCBA usage, it was observed that workers working in the chlorine plant could not wear the SCBA set and control the leakage of chlorine gas. So proper training to be given to the workers for creating awareness.
- 5) Well situated near 'DARGAH' grill is to be arranged in protection point of view over the well.
- 6) While entering in to 'DARGA" in/out checking and monitoring to be done at entry gate in safety point of view. In case of any problem in this area then the Concessioner should take liability as per Factories Act.
- 7) In plant all ladders hand railing supports to be arranged for avoiding the fall of persons while climbing and getting down from ladder.
- 8) In plant entire platforms area toe boards with 100X6 mm plate to be arranged for avoiding accidents (by slipping down the legs of the persons).
- 9) DG area cautions boards, dos and don'ts to be written on the gate. In this area ear plugs or ear muffs to be used by workers during DG operation.
- 10) In entire plant safety cautions boards, slogans, plant layout boards, pictorial message, and flexes to be arranged for creating safety awareness to the workers, staff and visitors of the plant.
- 11) Safety officer must be available in all plants. There is no separate Safety officer for Sajari & Bingawan. One more safety officer mobilization to be done immediately. Since handing over of the plant (from 1st July 2019) this point is in pending action.
- 12) Electrical panel's area between platform and panels gaps to be closed with MS sheet or grills in safety point of view and electrical shock proof rubber mats to be ensured in front of electrical panels.
- 13) During our inspection it was observed that few workers were not having safety shoes, helmets and nose masks.
- 14) Sufficient Fire extinguishers to be provided at site in different fire prone areas of the site. Permanent fire hydrant plan to be planned and incorporated in the present Bingawan STP 210 MLD (O&M) Plant area, As per CA under Schedule 8, Fire system need to be arranged by KRMPL at the earliest.
Since handing over of the plant (from 1st July 2019) this point is in pending action.
- 15) Monthly safety committee meeting need to be conducted by KRMPL along with workers, staff from representational of each department, consultant representative and client representative. Such committee meeting minutes need to be circulated and resolved by the next month meeting. KRMPL advised to schedule meeting on regular basis and communicate the same to STC & UPJN. Since handing over of the plant (from 1st July 2019) this point is pending.

16) Mock drills need to be conducted at site every month one Mock drills like a) Fire mock drill b) Incident mock drill c) Poison mock drill d) Electrical shock mock drill f) Excavation collapse mock drills to be arranged. Every mock drill report to be prepared and response time and the gap analysis is to be done accordingly. It can be used as lesson learning and improvement on mock drills as part of onsite Emergency plan. Mock drill schedule to be given in advance to STC & UPJN. At present in plant only one assembly point is arranged at back side of administrative building. This need to increase three (3) more assembly points for covering all the plant area and to assemble the workers & staff at their nearby assembly points. Since handing over of the plant (from 1st July 2019) this point is in pending action.

17) Electrical safety is very poor in this site, electrical plug tops to be arranged, welding Machine lugs and crimping to be arranged safely. Damaged Electrical junction boxes to be repaired or replaced for avoiding any untoward incidents due to electrical shock and fire incidents. At present sludge pits back side compound wall not constructed. Electrical wires in the plant must go through either underground or through overhead only. Some places the cables were found open on the earth. Still the problem is as such in some areas since long, it was shown to the KRMPL Safety officer. Since handing over of the plant (from 1st July 2019) no action is taken on this point.


18) KRMPL must check the Periodical safety checks, safety training, safety audits and safety Inspections and such inspection reports and compliance status is to be sent to STC & UPJN.


19) Plant vehicles like Excavator, JCB, Concrete vehicles, tractors etc., vehicle driving license, Insurance, RC and PUC copy is to be made available with the vehicle drivers and in Plant office.

20) Accident statistics and Accident free man day's board to be displayed at site entrance for creating safety awareness to workers and visitors. Since handing over of the plant (from 1st July 2019) this point is in pending action.

21) Workers wages details board to be displayed on notice board as per UP Factories Act, 1948 (wages of unskilled, semi skilled, skilled etc.) During visit we dint find any such details board. Since handing over of the plant (from 1st July 2019) this point is in pending action.

Most of the points were also raised in the earlier inspection reports. It is requested the KRMPL to comply the raised points at the earliest and the compliance report to be submitted to UPJN & STC within 7 days.


Mr. L. Krishna Rao
Safety Expert


Kapil Bansal
Supt. Supervisor (Civil)

Annexure 8: Test Result of Joint Sampling Report of Influent & Treated Effluent (Bingawan)



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Page 1 of 2

TEST REPORT

Feb-21

Test Report Issued To:

KANPUR RIVER MANAGEMENT PVT. LTD.

SHAPOORJI PALLONJI AND CO. PVT. LTD., U.P. JAL NIGAM,
BENAJHABAR ROAD,
KANPUR, UTTAR PRADESH - 208002,
INDIA

Test Report No: K210304013/K210304013-11

Date of Issue: 10-Mar-2021



Sample Booking/Receipt Date: 04-Mar-2021
Date of Start of Testing: 04-Mar-2021
Date of Completion of Test: 10-Mar-2021

Customer Relationship Number: 56524



Sample Description:
BINGAWAN TREATED SEWAGE WATER

Customer Reference No:
LETTER DATED -01.03.2021

Kind Attention : MR. AMIT BHARAMBE
E-Mail: amit.bharambe@shapoorji.com **Contact No:** 9833373179

Sample Condition : AS PER RECEIVED **Sample Size (Approx) :** -
Sample Quantity (Approx) : 1

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED





ULR-TC784521000002391F

Authenticity of report can be verified by mail at verification@spectrolab.in

This is a Digitally Signed Report and hence doesn't require Physical Signature.

Spectro Research Lab Ventures (P) Ltd, G-3, Bajrang Ball Industrial Area, Near Panki Site-IV, Kanpur-208020(India)
Phone +91-9235503984/85 || Web: www.spectroresearchlabs.com | Email: knpr@spectro.in
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Issue No: 01, Issue Date: 01.04.17

Page 2 of 3

Report No K210304013/K210304013-30

ID- K210304013-3

| TEST PARAMETER | OBSERVED RESULT | TEST METHOD |
|----------------------------------|-----------------|----------------|
| Total solid concentration, % w/w | 37.07 | FAO guidelines |

End of the page



Raksha
Analyst Signature



Authorised Signatory

Spectro Analytical Labs Limited S-1, GNEPIP, Surajpur Industrial Area, Phase-V, Kasna, Greater Noida-201308 (India)
 Phone : +91-120-2341250,2341251 || URL : www.spectro.in || Email: care@spectro.in
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Issue No. 01, Issue Date: 01.04.17

Page 3 of 3

Report No K210304013/K210304013-30

ID- K210304013-3

Microbiological Testing

| S. No. | Test Parameters | Observed Results | PROTOCOL |
|--------|-----------------------------|------------------|--------------|
| 1. | Faecal coliform, MPN/100 ml | 17000 | IS:1622:1981 |



– End of Test Report –

Ruty Tiwari
Analyst Signature



Authorised Signatory

Spectro Analytical Labs Limited, E-41, Okhla Ind. Area, Phase-II, New Delhi-110020(India)
Phone :+91-11-40522000, 41611000 || Web: www.spectro.in|| Email: care@spectro.in
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Feb-21

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KANPUR RIVER MANAGEMENT PVT. LTD.

SHAPOORJI PALLONJI AND CO. PVT. LTD., U.P. JAL
NIGAM,
BENAJHABAR ROAD,
KANPUR, UTTAR PRADESH - 208002,
INDIA

Test Report No: K210304013/K210304013-11

Date of Issue: 10-Mar-2021



Sample Booking/Receipt Date: 04-Mar-2021

Date of Start of Testing: 04-Mar-2021

Date of Completion of Test: 10-Mar-2021

Customer Relationship Number 56524

Sample Description :
BINGAWAN TREATED SEWAGE WATER



Customer Reference No

LETTER DATED -01.03.2021

Kind Attention : MR. AMIT BHARAMBE
E-Mail: amit.bharambe@shapoorji.com

Contact No: 9833373179

Sample Condition : AS PER RECEIVED

Sample Quantity (Approx) : 1

Sample Size (Approx) : -

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED



ULR-TC784521000002391F

Authenticity of report can be verified by mail at verification@spectrolab.in

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Phone : +91-9235503984/85 || Web: www.spectroresearchlabs.com || Email: knr@spectro.in

ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory
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ID: K210304013-1

Date of start of testing: 04.03.2021
Date of completion of testing: 10.03.2021

| S. No. | Test Parameter | Observed Value | Test Method |
|--------|------------------------------|----------------|----------------------------------|
| 1. | Total Suspended Solids, mg/l | 76 | IS 3025(P-15)-1984 (RA-2019) |
| 2. | C.O.D, mg/l | 191 | IS 3025(P-58)-2006 (RA-2017) |
| 3. | B.O.D (5 days) at 20°C, mg/l | 51 | APHA 5210-B (23rd Edition): 2017 |

*****End of report*****



[Handwritten Signature]
Analyst Signature



– End of Test Report –

ULR-TC784521000002391F



Authorised Signatory

Spectro Research Lab Ventures (P) Ltd, G-3, Bajrang Bali Industrial Area, Near Panki Site-IV, Kanpur-208020(India)
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Page 1 of 2

TEST REPORT

2021-21

Test Report Issued To

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SHAPOORJI PALLONJI AND CO. PVT. LTD., U.P. JAL
NIGAM,
BENAJHABAR ROAD,
KANPUR, UTTAR PRADESH - 208002,
INDIA

Test Report No:

K210513001/K210513001-30

Date of Issue: 20-May-2021



Sample Booking/Receipt Date: 13-May-2021

Date of Start of Testing: 13-May-2021

Date of Completion of Test: 17-May-2021

Customer Relationship Number 56524

Sample Description :
BINGAWAN-DEWATRED SLUDGE(OUT LET CONCENTRATION



Customer Reference No

REQUEST EMAIL DT-12.05.2021

Kind Attention : MR. AMIT BHARAMBE
E-Mail: amit.bharambe@shapoorji.com

Contact No: 9833373179

Sample Condition : AS RECEIVED

Sample Quantity (Approx) :

Sample Size (Approx) :

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.



Authenticity of report can be verified by mail at verification@spectrolab.in

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ID- K210513001-3

Phone No. 011-27011379
Fax No. 011-26441388 / 011-27011377

Page 3 of 3

Report No. W210513001/W210513001-301

Microbiological Testing

| S. No. | Test Parameters | Observed Results | PROTOCOL |
|--------|----------------------------|------------------|--------------|
| 1 | Faecal coliform MPN/100 ml | Absent | IS 1652:1987 |



- End of Test Report -

Ashtika Tiwari
Analyst Signature



Authorized Signatory

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