

**NATIONAL MISSION FOR CLEAN GANGA (NMCG)**  
**MINISTRY OF JAL SHAKTI DEPARTMENT OF WATER RESOURCES,  
RIVER DEVELOPMENT & GANGA REJUVENATION, GOVT. OF INDIA**



सत्यमेव जयते

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)**

**(LOA File Number: Pr-12012/41/2018-PPP/NMCG dated 04.02.2019)**

**Quarterly Progress Report**

**Of**

**Project Engineer**

**Apr-June 2019**



**Executing Agency**  
Uttar Pradesh Jal  
Nigam  
Benajhabar Road,  
Kanpur  
Uttar Pradesh -  
208002



**Funding Agency**  
National Mission for  
Clean Ganga  
MoWR, River  
Development & Ganga  
Rejuvenation,  
New Delhi



**Project Engineer**  
Shah technical Consultar  
Pvt. Ltd.  
7/426 14-O block,  
Geeta Nagar  
Kanpur  
Uttar Pradesh - 208025



**Concessionaire**  
Kanpur River Management  
Pvt. Ltd.  
Flat no 101,  
1<sup>st</sup> Floor, 3/83, Vishnupuri,  
Kanpur, Uttar Pradesh -  
208002

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**ABBREVIATIONS**

|        |   |
|--------|---|
| 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                          |
| 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                     |
| 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

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## 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 programme 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 programme 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 industrialisation and urbanisation 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 programme 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 (Pankha, Unnao & 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 (Jajmau Phase-II, Bingawan & 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)**

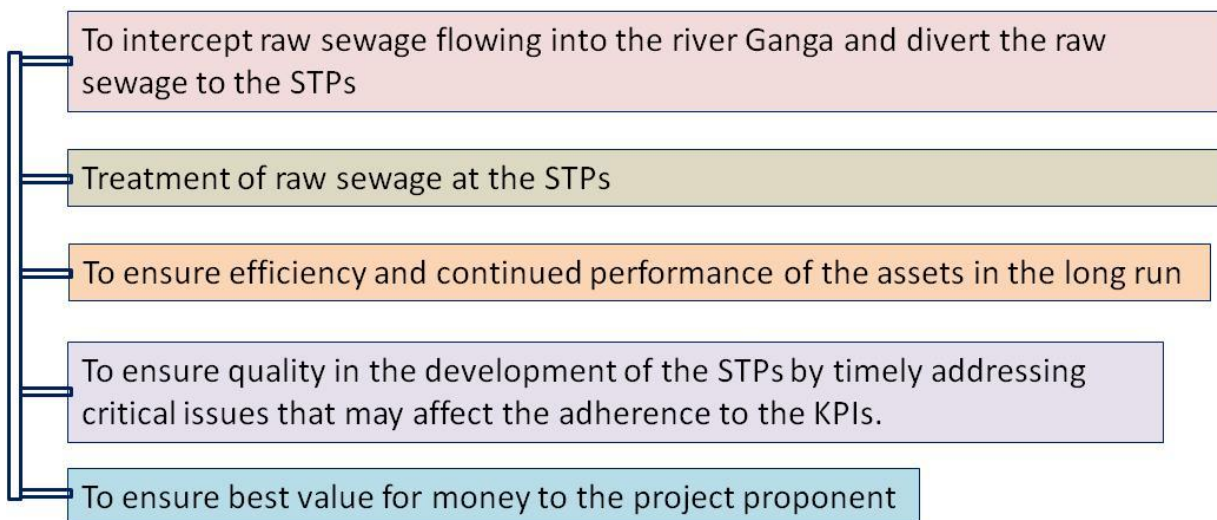
Government of India has approved the Namami Gange program as an integrated approach for effective abatement of pollution in river Ganga and Yamuna. As part of this and to ensure that no untreated domestic sewage flow into the river Ganga and Yamuna, various interventions are planned such as Interception & 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 4<sup>th</sup> February 2019 and agreement signed between the parties on 12<sup>th</sup> April 2019.

**3 OBJECTIVES**

To achieve above objectives effective development of STPs at Unnao, Shuklaganj and Pankha rehabilitation of existing STPs with O&M for 15 years in Kanpur 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**

| Particulars                              | Description   |
|--|---|
| <b>Name of Project</b>                   | : 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)  |
| <b>Client</b>                            | : National Mission for Clean Ganga (NMCG), New Delhi and UP Jal Nigam   |
| <b>Execution Agency</b>                  | : Uttar Pradesh Jal Nigam (UPJN)  |
| <b>Consultant</b>                        | : Shah Technical Consultants (P) Ltd. as ‘ <b>Project Engineer</b> ’  |
| <b>LOA</b>                               | : Pr-12012/41/2018-PPP/NMCG dated 04.02.2019  |
| <b>Concessionaire</b>                    | : Kanpur River Management Private Limited (KRMPL) an SPV of Shapoorji Pallonji & Company Private Limited, Mumbai  |
| <b>Concessionaire’s Agreement No.</b>    | : 14/GM/2018-19   |
| <b>Cost of Project (CAPEX+OPEX)</b>      | : ₹ 816.24 Cr   |
| <b>Effective Date</b>                    | : 11.10.2019  |
| <b>Completion date (as per contract)</b> | : 24 Months from effective date<br>(21 months construction + 3 months running)  |
| <b>O&amp;M period</b>                    | : 15 years after last Commercial Operation Date (COD)   |
| <b>Description of Work</b>               | : <ul style="list-style-type: none"> <li>➤ 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&amp;M;</li> <li>➤ Rehabilitation of 130 MLD (Phase-I) STP at Jajmau with construction of 200 MLD TEPS and 173 MLD CCT at Jajmau with O&amp;M for 15 years;</li> <li>➤ O&amp;M of 43 MLD (Phase-II) Jajmau facilities, Renovation and O&amp;M of 210 MLD Bingawan facilities and O&amp;M of 42 MLD Sajari facilities for 15 years;</li> </ul> |

## 5 PROJECT WISE DETAILS OF COMPONENTS UNDER HAM KANPUR PROJECT

HAM Kanpur project is divided into 5 districts of the Kanpur city – Pankha (District –III), Unnao & Shuklaganj – (District Unnao), Jajmau – (District I), Bingawan – (District II) and Sajari – (District IV). Under this project, development and O&M for 15 years of three new STP facilities based on SBR technology with associated infrastructure have been proposed for two districts – Pankha and Unnao & Shuklaganj.

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

### 5.1 PANKHA FACILITIES (DISTRICT-III)

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

**Table 5.1: Pankha Facilities (District-III)**

| SN   | STP Facilities   | Capacity/dia.<br>/size | No. of<br>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  | Common Collection chamber  | -                      | 1                      |
| 1.9  | Rising main (ICI Nala IPS to collection chamber)                   | 800mm-φ                | 6.91km                 |
| 1.10 | Rising main (Sundar Nagar IPS to collection chamber)               | 800mm-φ                | 0.651km                |
| 1.11 | Gravity main (Thermal Nala B Tapping to common collection chamber) |                        |                        |
| 1.12 | Common Gravity main (collection chamber to MPS)                    | 2000mm- φ              | 1.948Km                |
| 1.13 | 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        |
|             |                           | <b>Total</b>               | <b>20.27km</b> |
| <b>1.14</b> | <b>Milestones</b>         | <b>Date</b>                |                |
|             | 1 <sup>st</sup> Milestone | 12-Oct-2019 to 25-Apr-2020 |                |
|             | 2 <sup>nd</sup> Milestone | 26-Apr-2020 to 10-Jul-2020 |                |
|             | 3 <sup>rd</sup> Milestone | 11-Jul-2020 to 24-Sep-2020 |                |
|             | 4 <sup>th</sup> Milestone | 25-Sep-2020 to 09-Dec-2020 |                |
|             | 5 <sup>th</sup> Milestone | 10-Dec-2020 to 13-Feb-2021 |                |
|             | 6 <sup>th</sup> Milestone | 14-Feb-2021 to 21-Apr-2021 |                |
|             | 7 <sup>th</sup> Milestone | 22-Apr-2021 to 22-Jun-2021 |                |
|             | 8 <sup>th</sup> Milestone | 23-Jun-2021 to 25-Aug-2021 |                |

## 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/<br>dia. /size | No. of units/length |
|-------------|--|---|-------------------------|---------------------|
|             | Date of Start- Effective Date (11.10.2019)         | Scope of Work- New Construction and O&M |                         |                     |
| <b>1.1</b>  | STP  |   | 15 MLD                  | 1                   |
| <b>1.2</b>  | Sump cum Pump house (MPS)                          |   | 40 MLD                  | 1                   |
| <b>1.3</b>  | Trunk Sewer  |   | 1200mm φ                | 3.2Km               |
| <b>1.4</b>  | I&D works (Nala tapping)                           |   | 40 MLD                  | 1                   |
| <b>1.5</b>  | Trash screen                                       |   | 7m-1.7m<br>x 0.8m       | 1                   |
| <b>1.6</b>  | Grit chamber                                       |   | 12m-4m x<br>1m          | 2                   |
| <b>1.7</b>  | Collection chamber                                 |   | 3.4m-6.2m<br>x 3m       | 1                   |
| <b>1.8</b>  | Rising main (MPS to STP)                           |   | 750mm φ                 | 100m                |
| <b>1.9</b>  | Rising main (bypass)                               |   | 750mm φ                 | 100m                |
| <b>1.10</b> | Effluent distribution chamber                      |   | -                       | 1                   |
| <b>1.11</b> | Effluent gravity channel (STP to discharge point ) |   | 1.5m x<br>1.0m          | 300m                |
| <b>1.12</b> | Effluent disposal drains                           |   | -                       | 500m                |
| <b>1.13</b> | <b>Milestones</b>                                  | <b>Date</b>                             |                         |                     |
|             | 1 <sup>st</sup> Milestone                          | 11-Oct-2019 to 24-Feb-2020              |                         |                     |
|             | 2 <sup>nd</sup> Milestone                          | 25-Feb-2020 to 15-May-2020              |                         |                     |
|             | 3 <sup>rd</sup> Milestone                          | 16-May-2020 to 30-Jul-2020              |                         |                     |

|                           |                            |
|---------------------------|----------------------------|
| 4 <sup>th</sup> Milestone | 30-Jul-2020 to 14-Oct-2020 |
| 5 <sup>th</sup> Milestone | 15-Oct-2020 to 24-Dec-2020 |
| 6 <sup>th</sup> Milestone | 10-Dec-2020 to 01-Mar-2021 |
| 7 <sup>th</sup> Milestone | 02-Mar-2021 to 05-May-2021 |
| 8 <sup>th</sup> Milestone | 06-May-2021 to 10-Jul-2021 |

### 5.3 SHUKLAGANJ FACILITIES

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

**Table 5.3: Shuklaganj Facilities\***

| SN   | STP Facilities                             | Capacity/dia.<br>/size    | No. of<br>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                           | -                         | 1                      |
| 1.4  | I&D works (Nala tapping)                   | -                         | 1                      |
| 1.5  | Collection chamber                         | -                         | 1                      |
| 1.6  | Rising main (MPS to STP)                   | 500mm $\phi$              | 50m                    |
| 1.7  | Rising main (bypass)                       | 500mm $\phi$              | 50m                    |
| 1.8  | Retaining wall                             |                           | 1                      |
| 1.9  | Effluent channel (STP to discharge point ) | 1.5m x 1m                 | 100m                   |
| 1.10 | <b>Milestones</b>                          | <b>Land not finalized</b> |                        |

\*ABOVE PROPOSALS ARE UNDER REVISION

### 5.4 JAJMAU FACILITIES

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

**Table 5.4: Jajmau Facilities**

| SN  | STP Facilities                                | Capacity/dia.<br>/size | No. of<br>units/length |
|-----|---|------------------------|------------------------|
| A   | Phase-I                                       |                        |                        |
|     | 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 (TEPS)                    | 200 MLD                | 1                      |
| 1.3 | CCT   | 173 MLD                | 1                      |
| 1.4 | Nawabganj IPS                                 | -                      | 1                      |
| 1.5 | Parmat IPS                                    | -                      | 1                      |
| 1.6 | Baba Ghat/Muar mill IPS                       | -                      | 1                      |

|          |   |                                |                                |
|----------|---|--------------------------------|--------------------------------|
| 1.7      | Guptar Ghat IPS                               | -                              | 1                              |
| 1.8      | Jajmau CPCS                                   | -                              | 1                              |
| <b>B</b> | <b>Phase-II</b>                               |                                |                                |
|          | Schedule Handing Over Date- 01.10.2019        | <b>Capacity/dia.<br/>/size</b> | <b>No. of<br/>units/length</b> |
|          | Scope of Work- O&M                            |                                |                                |
| 1.1      | STP 2 on ASP technology with power Generation | 43 MLD                         | 1                              |
| 1.2      | Sanjaypuram IPS                               | -                              | 1                              |
| 1.3      | Khalisa lane IPS                              | -                              | 1                              |
| 1.4      | Jajmau MPS                                    | -                              | 1                              |

## 5.5 BINGAWAN FACILITIES

Project wise components details of Bingawan are 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 | Shisamau Nala (tapping)                           | 8MLD                 | 1                   |

## 5.6 SAJARI FACILITIES

Project wise components details 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 PRE CONSTRUCTION ACTIVITIES

After receiving Letter of Award (LOA) for HAM Kanpur Project on 4<sup>th</sup> Feb. 2019, activities regarding office establishment in Kanpur were started. Subsequently, work related to the project like signing of the Contract Agreement, deployment of Key Personnel and manpower, meetings with UPJN, vetting of BEPs and correspondence regarding vetting started.

### 6.1 BASIC ENGINEERING PACKAGE (BEPs) AND OTHER DETAILS

Detail Status of BEPs & other are given in following table 6.1:

**Table 6.1: BEPs and other details**

| SN | Particulars  | Status  |
|----|--|---|
| 1. | <b>BEPs (except structure design &amp; drawings)</b>   | Revised BEP of Process, Mechanical, Electrical & instrumentation for Shuklaganj & Unnao - vetted and can be forwarded to IITR on 24.06.19   |
|    | • Process  |   |
|    | • Mechanical   |   |
|    | • Electrical & instrumentation   |   |
| 2. | <b>BEP Structure Design &amp; Drawings</b>   | Revised BEP of Structure Design & Drawings of Compound wall, MPS, PTU, C-Tech basin, CCT, Sludge Thickener, Supernatant sump, Centrifuge building, admin building, Staff quarters, Guard room) for Shuklaganj & Unnao - vetted and can be forwarded to IITR on 24.06.19 |
|    | Compound wall, MPS, PTU, C-Tech basin, CCT, Sludge Thickener, Supernatant sump, Centrifuge building, admin building, Staff quarters, Guard room) |   |
| 3. | <b>Construction Plan</b>   | No Construction Plan, Sewer Network/Line Design, Topographical, Geo tech & survey reports and ESHS Plan is submitted by concessionaire's side.  |
| 4. | <b>Sewer Network/Line Design</b>   |   |
| 5. | <b>Topo, Geo tech &amp; survey reports</b>   |   |
| 6. | <b>ESHS Plan</b>   |   |
| 7. | <b>Scope of Work- O&amp;M</b>  | O&M manual Jajmau- appraised on 13.05.19<br>Sajari STP-Handed over to KRMPL on 29.05.19<br>O&M manual Sajari- vetted on 01.06.19  |

## 7 PROGRESS OF WORK (BEPs etc)

As per the provision of Concessionaire Agreement, effective date of the project was to be declared before 19<sup>th</sup> April 2019. Till end of the June 2019, CPs was not met hence effective date for start of construction work was not declared. Details of pre construction activities / work progress are described in the **table 7.1 & table 7.2:**

**Table 7.1: Progress of Work**

| April 2019 |                          |          |  |   |
|------------|--------------------------|----------|--|---|
| SN         | Activity / Work          | Date     | Action Taken Status  | Remarks   |
| 1          | Meeting with GM & KRMPL  | 01.04.19 | Mr. CM Dimri and Mr. J.P. Tripathi attended  | Discussion with UPJN & KRMPL                                  |
| 2          | Meeting with KRMPL       | 05.04.19 | Mr. CM Dimri and Mr. J.P. Tripathi attended  | Given basic designs   |
| 3          | Meeting with GM          | 05.04.19 | Mr. CM Dimri and Mr. J.P. Tripathi attended  | About CA Para   |
| 4          | Meeting with CE(K)       | 08.04.19 | Mr. CM Dimri attended  | Progress discussion MOM.1488 dated 27.04.19                   |
| 5          | Visit of site shuklaganj | 10.04.19 | Mr. CM Dimri visited   | BM to be located  |
| 6          | Meeting at GM office     | 18.04.19 | Mr.S Kamraju, SEP<br>Mr. Prasoon Bhardwaj, SEI<br>Mr. AK Seth,SEE<br>Mr. S Basutkar, SEM, attended | Detail discussions about BEP-shuklaganj, Unnao & Pankha STP's |
| 7          | Site visit Pankha        | 19.04.19 | Mr. AK Seth,SEE & Mr. S Basutkar,SEM, visited  | Discussion with UPJN/KRMPL by experts                         |
| 8          | Meeting with UPJN        | 24.04.19 | Mr.CM Dimri & Mr.JP Tripathi, attended   | Discussed about proposed works in HAM Kanpur                  |
| 9          | Meeting by CE(K)         | 26.04.19 | Mr. CM Dimri attended  | Work progress regarding 29 <sup>th</sup> meet                 |
| 10         | Meeting with UPJN        | 27.04.19 | Mr. CM Dimri & Mr.JP Tripathi attended   | Discussed about proposed works in HAM Kanpur- BEP Unnao       |
| 11         | Meeting at               | 29.04.19 | Mr. CM Dimri attended  | Chaired by Mr. UP   |

| SMCG lucknow |                                  | Singh Secretary GOI |   |   |
|--------------|----------------------------------|---------------------|---|---|
| May 2019     |                                  |                     |   |   |
| SN           | Activity / Work                  | Date                | Action Taken Status                     | Remarks   |
| 1            | Joint Inspection visit- Bingawan | 01.05.19            | Mr. JP Tripathi Inspected               | Joint visit was done                                    |
| 2            | Meeting with NMCG                | 06.05.19            | Mr. CM Dimri<br>Mr. RS Bhatia, attended | Progress review   |
| 3            | Inspection of Jajmau STP         | 09.05.19            | Mr. CM Dimri Inspected                  | 130MLD +43MLD both STP inspection was done              |
| 4            | Meeting by CE-K                  | 14.05.19            | Mr. CM Dimri attended                   | Progress review   |
| 5            | Meeting about Sajari             | 15.05.19            | Mr. CM Dimri attended                   | Critical points discussion with KRMPL at IIT-K          |
| 6            | Meeting with DG                  | 16.05.19            | Mr. CM Dimri attended                   | General progress discussion                             |
| 7            | Meeting with CE-K                | 17.05.19            | Mr. CM Dimri attended                   | Discussion about BEP Pankha, Unnao etc                  |
| June- 2019   |                                  |                     |   |   |
| SN           | Activity / Work                  | Date                | Action Taken Status                     | Remarks   |
| 1            | Meeting NMCG New Delhi           | 04.06.19            | Mr. CM Dimri attended                   | Progress review   |
| 2            | Meeting with GM                  | 10.06.19            | Mr. CM Dimri attended                   | Construction plan discussion                            |
| 3            | Meeting with GM/PM-III           | 11.06.19            | Mr. SP Tripathi attended                | BEP Pankha discussion                                   |
| 4            | Meeting with PM-III              | 11.06.19            | Mr. JP Tripathi attended                | Asked to deploy adequate staff & arrangements in Sajari |

**Table 7.2: Progress of Work – HAM Kanpur Project (on NMCG Performa)**

| Apr-2019 |                                  |                      |                                  |                  |                             |                                    |                   |  |                                |                          |                  |                                       |                                  |
|----------|----------------------------------|----------------------|----------------------------------|------------------|-----------------------------|------------------------------------|-------------------|--|--------------------------------|--------------------------|------------------|---------------------------------------|----------------------------------|
| 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 Concessi onaire | 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)                             |
| 01.04.19 | Meeting with UPJN & KRMPL        | -                    | -                                | -                | -                           | -                                  | -                 | Mr. CM Dimri & Mr. J.P. Tripathi                       | 1+1                            | -                        | -                | -                                     | Discussion with UPJN & KRMPL     |
| 02.04.19 | Attended Office                  | -                    | -                                | -                | -                           | -                                  | -                 | Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava | 1+1+1                          | -                        | -                | -                                     | Reviewed submission & discussion |
| 03.04.19 | Attended Office                  | -                    | -                                | -                | -                           | -                                  | -                 | Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava | 1+1+1                          | -                        | -                | -                                     | Reviewed submission & discussion |
| 04.04.19 | Handing over 210MLD Bingawan STP | 05.04.19 (J-W-37/18) | Approved on 05.04.19             | 0                | 20                          | -                                  | -                 | Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava | 1+1+1                          | -                        | -                | -                                     | For office record. Seen & file   |

|          |   |                         |                      |    |    |   |   |  |       |   |   |   |   |
|----------|---|-------------------------|----------------------|----|----|---|---|--|-------|---|---|---|---|
| 05.04.19 | Drawing list of 210 MLD STP Bingawan<br><br>Meeting with GM & KRMPL | 12.04.19<br>(J-M-23/03) | Approved on 12.04.19 | 0  | 20 | - | - | Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava | 1+1+1 | - | - | - | For office record. Seen & file<br><br>Given basic designs & about CA Para |
| 06.04.19 | Attended Office   | -                       | -                    | -  | -  | - | - | Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava | 1+1+1 | - | - | - | Basic design discussion with experts Mr. S Kamraju                        |
| 07.04.19 | <b>SUNDAY</b>   |                         |                      |    |    |   |   |  |       |   |   |   |   |
| 08.04.19 | Meeting with CE(K)  | -                       | -                    | -  | -  | - | - | Mr. CM Dimri & Mr. J.P. Tripathi                       | 1+1   | - | - | - | Progress discussion MOM.1488 dated 27.04.19                               |
| 09.04.19 | Handing over 210MLD Bingawan STP                                    | 12.04.19<br>(J-W-10/03) | Approved on 12.04.19 | 0  | 20 | - | - | Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava | 1+1+1 | - | - | - | For office record   |
| 10.04.19 | Review & Comments on submitted drawings by KRMPL for all facilities | 12.04.19                | Comment on 24.04.19  | 12 | 20 | - | - | Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava | 1+1+1 | - | - | - | Asked Concessionaire To provide copy of DPR, RFP and CA                   |



|          |  |                    |                                 |   |    |   |   |  |       |   |   |   |   |
|----------|--|--------------------|---------------------------------|---|----|---|---|--|-------|---|---|---|---|
|          | Visit of site shuklaganj               | -                  | -                               | - | -  | - | - | Mr. CM Dimri & Mr. J.P. Tripathi                       | 1+1   | - | - | - | BM to be located  |
| 11.04.19 | Attended Office                        | -                  | -                               | - | -  | - | - | Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava | 1+1+1 | - | - | - | Discussion of BEP with experts  |
| 12.04.19 | Survey & Condition Bingawan facilities | 12.04.19 (K-37/38) | Comment sent on 17.04.19 (S-16) | 5 | 20 | - | - | Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava | 1+1+1 | - | - | - | Informed GM that No action is required by STC                           |
|          | Survey & Condition Sajari facilities   | 12.04.19 (K-39/40) | Comment sent on 17.04.19 (S-17) | 5 | 20 | - | - | Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava |       | - | - | - | Asked to submit a certificate & plan to take over the Sajari facilities |
| 13.04.19 | <b>SECOND SATURDAY</b>                 |                    |                                 |   |    |   |   |  |       |   |   |   |   |
| 14.04.19 | <b>SUNDAY</b>                          |                    |                                 |   |    |   |   |  |       |   |   |   |   |
| 15.04.19 | O&M manual for 42MLD Sajari            | 15.04.19 (K-34)    | Comment sent on 19.04.19 (S-23) | 4 | 20 | - | - | Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava | 1+1+1 | - | - | - | Asked for compliance of specific comments regarding 42 MLD Sajari STP   |
|          | BEP for Pankha                         | 16.04.19 (J-w-20-  | Comment sent on                 | 4 | 20 | - | - | Mr. CM Dimri,  |       | - | - | - | Comments sent for   |

|          |  |                         |                                    |    |    |   |   |  |               |   |   |   |  |
|----------|--|-------------------------|------------------------------------|----|----|---|---|--|---------------|---|---|---|--|
|          | facilities                             | 36)                     | 20.04.19<br>(S-24)                 |    |    |   |   | Mr. J.P. Tripathi & Mr. Vivek Srivastava               |               |   |   |   | KRMPL compliance   |
| 16.04.19 | Survey & Condition Bingawan facilities | 16.04.19<br>(J-W-20/42) | Comment sent on 17.04.19<br>(S-16) | 1  | 20 | - | - | Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava | 1+1+1         | - | - | - | Informed GM that No action is required by STC  |
|          | Survey & Condition Sajari facilities   | 16.04.19<br>(J-W-20/40) | Comment sent on 17.04.19<br>(S-17) | 1  | 20 | - | - | Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava |               | - | - | - | Requested concessionaire to submit a certificate & plan to take over the Sajari facilities |
| 17.04.19 | Attended Office                        | -                       | -                                  | -  | -  | - | - | Mr. AK Seth  | 1             | - | - | - | BEP vetting by electrical expert   |
| 18.04.19 | O&M manual for 42MLD Sajari            | 18.04.19<br>(J-W-20/44) | Comment sent on 19.04.19<br>(S-23) | 1  | 20 | - | - | Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava | 1+1+1+1+1+1+1 | - | - | - | Asked for compliance of specific comments regarding 42 MLD Sajari STP                      |
|          | Technology license agreement           | 20.04.19<br>J-w-20/45   | 30.04.19<br>S-31                   | 10 | 20 |   |   | Mr. CM Dimri, Mr. J.P. Tripathi & Mr. Vivek Srivastava |               |   |   |   |  |

|          |                                  |                        |                                    |    |    |   |   |   |           |   |   |   |   |
|----------|----------------------------------|------------------------|------------------------------------|----|----|---|---|---|-----------|---|---|---|---|
|          | ESHS document                    | 10.05.19<br>J-w-20/46  | 29.05.19<br>S-45                   | 19 | 20 |   |   | Mr. CM Dimri,<br>Mr. J.P. Tripathi &<br>Mr. Vivek Srivastava                              |           |   |   |   | Asked to submit signed copies   |
|          | Meeting at GM office             | -                      | -                                  | -  | -  | - | - | Mr. S Kamraju, SEP<br>Mr. Prasoon Bhardwaj, SEI<br>Mr. AK Seth,SEE<br>Mr. S Basutkar, SEM |           | - | - | - | Detail discussions about BEP-Shuklaganj, Unnao & Pankha STP's   |
| 19.04.19 | Handing over 210MLD Bingawan STP | 19.04.19<br>(K-46A/48) | Comment sent on 22.04.19<br>(S-25) | 4  | 20 | - | - | Mr.JP Tripathi<br>Mr. S Kamraju, SEP<br>Mr. Prasoon Bhardwaj, SEI                         | 1+1+1+1+1 | - | - | - | Discussed all the points raised by concessionaire & a joint inspection of Bingawan facilities is fixed. |
|          | Site visit Pankha                | -                      | -                                  | -  | -  | - | - | Mr. AK Seth,SEE<br>& Mr. S Basutkar,S   |           | - | - | - | Discussion with UPJN/KRMPL by experts   |

|          |                                  |                         |                                 |   |    |   |   |  |           |   |   |   |   |
|----------|----------------------------------|-------------------------|---------------------------------|---|----|---|---|--|-----------|---|---|---|---|
|          |                                  |                         |                                 |   |    |   |   | EM   |           |   |   |   |   |
| 20.04.19 | Handing over 210MLD Bingawan STP | 20.04.19 (J-W-20/52/53) | Comment sent on 22.04.19 (S-25) | 2 | 20 | - | - | Mr.JP Tripathi<br>Mr. S Kamraju,<br>SEP                    |           | - | - | - | Discussed all the points raised by concessionaire                   |
|          | BEP Jajmau STP                   | 22.04.19 (J-w-20/54)    | Comment sent on 01.05.19 (S-32) | 8 | 20 | - | - | MR. CM Dimri Mr. S Basutkar,S EM<br>Mr. S Kamraju,<br>SEP  | 1+1+1+1+1 | - | - | - | Asked to specify CA clause for technology change and cost variation |
| 21.04.19 | <b>SUNDAY</b>                    |                         |                                 |   |    |   |   |  |           |   |   |   |   |
| 22.04.19 | Attended Office                  | -                       | -                               | - | -  | - | - | Mr. CM Dimri &<br>Mr. AK Seth,SEE<br>& Mr. S Basutkar,S EM | 1+1+1     | - | - | - | BEP proposals   |
| 23.04.19 | Attended Office                  | -                       | -                               | - | -  | - | - | Mr. CM Dimri Mr. AK Seth,SEE<br>& Mr. S Basutkar,S EM      | 1+1+1     | - | - | - | Discussion about MOM of 19 <sup>th</sup> march                      |

|          |                           |                    |                      |   |    |   |   |                                      |       |   |   |   |   |
|----------|---------------------------|--------------------|----------------------|---|----|---|---|--------------------------------------|-------|---|---|---|---|
| 24.04.19 | Meeting with UPJN         | -                  | -                    | - | -  | - | - | Mr.CM Dimri & Mr.JP Tripathi         | 1+1   | - | - | - | Discussed about proposed works in HAM Kanpur                |
| 25.04.19 | O&M Bingawan security     | 25.04.19 (K-50)    | Approved On 25.04.19 | 0 | 20 | - | - | Mr.JP Tripathi<br>Mr. S Kamraju, SEP | 1+1+1 | - | - | - | Seen & file   |
|          | HAM Kanpur- STP all sites | 01.05.19 J-w-20/65 | 02.05.19 S-33        | 1 | 20 | - | - | Mr. CM Dimri & Mr. S Kamraju, SEP    |       | - | - | - | Asked to resubmit construction plan due to non legible font |
| 26.04.19 | Meeting by CE(K)          | -                  | -                    | - | -  | - | - | Mr. CM Dimri & Mr. S Kamraju, SEP    | 1+1   | - | - | - | Work progress regarding 29 <sup>th</sup> meet               |
| 27.04.19 | Meeting with UPJN         | -                  | -                    | - | -  | - | - | Mr. CM Dimri & Mr.JP Tripathi        | 1+1   | - | - | - | Discussed about proposed works in HAM Kanpur- BEP Unnao     |
| 28.04.19 | <b>SUNDAY</b>             |                    |                      |   |    |   |   |                                      |       |   |   |   |   |
| 29.04.19 | Meeting at SMCG lucknow   | -                  | -                    | - | -  | - | - | Mr. CM Dimri & Mr. S Kamraju,        | 1+1   | - | - | - | Chaired by Mr. UP Singh Secretary GOI                       |

|                 |  |                                     |                                  |   |    |   |   |  |                            |   |   |   |   |
|-----------------|--|-------------------------------------|----------------------------------|---|----|---|---|--|----------------------------|---|---|---|---|
|                 |  |                                     |                                  |   |    |   |   | SEP  |                            |   |   |   |   |
| 30.04.19        | Discussion                                 | -                                   | -                                | - | -  | - | - | Mr. CM<br>Dimri &<br>Mr. S<br>Kamraju,<br>BEP                                  | 1+1                        | - | - | - | BEP proposals                                 |
| <b>Total</b>    |  |                                     |                                  |   |    |   |   |  | <b>30+30+17+<br/>4+3+2</b> |   |   |   |   |
| <b>May-2019</b> |  |                                     |                                  |   |    |   |   |  |                            |   |   |   |   |
| 01.05.19        | Joint<br>Inspection<br>visit-<br>Bingawan  | -                                   | -                                | - | -  | - | - | Mr.CM<br>Dimri &<br>Mr.JP<br>Tripathi  | 1+1                        | - | - | - | Joint visit was<br>done                       |
| 02.05.19        | Meeting<br>with Mr. PC<br>Shukla<br>KRMPL  | -                                   | -                                | - | -  | - | - | Mr.CM<br>Dimri &<br>Mr.JP<br>Tripathi  | 1+1                        | - | - | - | Construction<br>plan related<br>discussion    |
| 03.05.19        | Joint<br>Inspection<br>report-<br>Bingawan | 03.05.19<br>(J-W-<br>20/84)<br>K-54 | Seen &<br>file<br>on<br>03.05.19 | 0 | 20 | - | - | Mr.CM<br>Dimri &<br>Mr.JP<br>Tripathi  | 1+1                        | - | - | - | For office<br>record                          |
|                 | Joint<br>Inspection<br>report-Sajari       | 11.05.19<br>(J-W-<br>20/85)<br>K-55 | Seen &<br>file On<br>03.05.19    | 0 | 20 | - | - | Mr.CM<br>Dimri &<br>Mr.JP<br>Tripathi  | 1+1                        | - | - | - | For office<br>record                          |
| 04.05.19        | ESHS Plan                                  | -                                   | -                                | - | -  | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi &<br>Mr. Vivek | 1+1+1+1                    | - | - | - | Discussion<br>with<br>Mr.D.Sharma<br>of KRMPL |

|          |  |                               |                          |   |    |   |   |  |         |   |   |   |   |
|----------|--|-------------------------------|--------------------------|---|----|---|---|--|---------|---|---|---|---|
|          |  |                               |                          |   |    |   |   | Srivastava   |         |   |   |   |   |
| 05.05.19 | <b>SUNDAY</b>  |                               |                          |   |    |   |   |  |         |   |   |   |   |
| 06.05.19 | Meeting with NMCG                                    | -                             | -                        | - | -  | - | - | Mr. CM<br>Dimri<br>Mr. RS<br>Bhatia  | 1       | - | - | - | Progress review   |
| 07.05.19 | ESHS Plan  | -                             | -                        | - | -  | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi &<br>Mr. Vivek<br>Srivastava | 1+1+1+1 | - | - | - | Discussion with Mr. D.Sharma of KRMPL                             |
| 08.05.19 | Revised O&M manual for Bingawan                      | 10.05.19<br>J-w-20/97<br>K-62 | 14.05.19<br>S-37         | 4 | 20 | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi &<br>Mr. Vivek<br>Srivastava | 1+1+1+1 | - | - | - | Asked to resubmit O&M manual after incorporation of given comment |
|          | Revised O&M manual for Sajari                        | 08.05.19<br>J-w-20/95<br>K-59 | 14.05.19<br>S-37<br>S-44 | 6 | 20 | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi &<br>Mr. Vivek<br>Srivastava |         | - | - | - | Asked to resubmit O&M manual after incorporation of given comment |
|          | BEP Compliance report for Shuklaganj, Unnao & Pankha | 11.05.19<br>J-w-20/96<br>K-65 | 17.05.19<br>S-39         | 6 | 20 | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi &                            |         | - | - | - | Comments regarding critical items sent. Asked to submit BEP's     |

|          |                                      |                               |  |   |    |   |   |  |       |   |   |   |   |
|----------|--------------------------------------|-------------------------------|--|---|----|---|---|--|-------|---|---|---|---|
|          |                                      |                               |  |   |    |   |   | Mr. Vivek Srivastava   |       |   |   |   | packages of Unnao & Shuklaganj STP  |
|          | HAM Kanpur –BEP Unnao                | 15.05.19<br>J-w-20/98         | 21.05.19<br>S-42   | 6 | 20 | - | - | Mr. CM Dimri,<br>Mr. J.P. Tripathi,<br>Mr. SP Tripathi &<br>Mr. Vivek Srivastava |       | - | - | - | Mechanical part is vetted   |
|          | BEP for rehabilitation of Jajmau STP | 19.05.19<br>J-w-20/93<br>K-61 | Seen on 19.05.19   | 0 | 20 | - | - | Mr. CM Dimri,<br>Mr. J.P. Tripathi,<br>Mr. SP Tripathi &<br>Mr. Vivek Srivastava |       | - | - | - | Reviewed  |
|          | HAM Kanpur –BEP Jajmau               | 15.05.19<br>J-w-20/98         | 17.05.19<br>S-40<br>21.05.19<br>S-41<br>24.05.19<br>S-43 | 2 | 20 | - | - | Mr. CM Dimri,<br>Mr. J.P. Tripathi,<br>Mr. SP Tripathi &<br>Mr. Vivek Srivastava |       | - | - | - | Comment regarding instrumentation design & drawing sent. Mechanical part sent |
| 09.05.19 | Inspection of Jajmau STP             | -                             | -  | - | -  | - | - | Mr. CM Dimri,<br>Mr. J.P. Tripathi,<br>Mr. SP Tripathi &                         | 1+1+1 | - | - | - | 130MLD +43MLD   |
| 10.05.19 | Revised BEP for Shuklaganj &         | 11.05.19<br>J-w-              | Seen on 11.05.19   |   |    | - | - | Mr. CM Dimri,<br>Mr. J.P.  | 1+1+1 | - | - | - | Reviewed  |



|          |                         |                |   |   |   |   |   |   |       |   |   |   |  |
|----------|-------------------------|----------------|---|---|---|---|---|---|-------|---|---|---|--|
|          | Unnao                   | 20/104<br>K-69 |   |   |   |   |   | Tripathi,<br>Mr. SP<br>Tripathi &                                 |       |   |   |   |  |
| 11.05.19 | Unnao STP               | -              | - | - | - | - | - | Mr. CM<br>Dimri & Mr<br>AK Seth                                   | 1+1   | - | - | - | Appraisal by<br>SEE                                    |
| 12.05.19 | <b>SUNDAY</b>           |                |   |   |   |   |   |   |       |   |   |   |  |
| 13.05.19 | O&M<br>manual<br>Jajmau | -              | - | - | - | - | - | Mr. CM<br>Dimri &<br>Mr. AK<br>Seth                               | 1+1   | - | - | - | Appraised  |
| 14.05.19 | Meeting by<br>CE-K      | -              | - | - | - | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Progress<br>review                                     |
| 15.05.19 | Meeting<br>about Sajari | -              | - | - | - | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Critical points<br>discussion<br>with KRMP at<br>IIT-K |
| 16.05.19 | Meeting<br>with DG      | -              | - | - | - | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | General<br>progress<br>discussion                      |
| 17.05.19 | Meeting<br>with CE-K    | -              | - | - | - | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Discussion<br>about BEP<br>Pankha,<br>Unnao etc        |

|          |  |                                |                         |   |    |   |   |   |         |   |   |   |   |
|----------|--|--------------------------------|-------------------------|---|----|---|---|---|---------|---|---|---|---|
| 18.05.19 | Technical Discussion                                   | -                              | -                       | - | -  | - | - | Mr. CM Dimri, Mr. J.P. Tripathi, Mr. SP Tripathi &                        | 1+1+1   | - | - | - | Discussion with KRMPL experts about Unnao & Shuklaganj  |
| 20.05.19 | Technical Discussion                                   | -                              | -                       | - | -  | - | - | Mr. CM Dimri, Mr. J.P. Tripathi, Mr. SP Tripathi & Mr. Sunil Basutkar SEM | 1+1+1+1 | - | - | - | Discussion with KRMPL experts   |
| 21.05.19 | BEP-Shuklaganj   | -                              | -                       | - | -  | - | - | Mr. CM Dimri & Mr. Sunil Basutkar SEM                                     | 1+1     | - | - | - | Discussion with KRMPL experts   |
| 22.05.19 | Revised contour drawing for Shuklaganj, Unnao & Pankha | 05.06.19<br>J-w-20/127         | 07.06.19<br>S-54        | 2 | 20 | - | - | Mr. CM Dimri & Mr. Sunil Basutkar SEM                                     | 1+1     | - | - | - | Received only Pankha contour map & Geo. Tech report. Shuklaganj & Unnao not received. Asked to submit complete document |
|          | Taking over Sajari STP                                 | 22.05.19<br>J-w-20/128<br>K-75 | Seen & file on 22.05.19 |   |    | - | - | Mr. CM Dimri & Mr. Sunil Basutkar   | 1+1     | - | - | - | For office record   |

|          |   |                            |                     |   |    |   |   |   |       |   |   |   |   |
|----------|---|----------------------------|---------------------|---|----|---|---|---|-------|---|---|---|---|
|          |   |                            |                     |   |    |   |   | SEM   |       |   |   |   |   |
| 23.05.19 | BEP Jajmau                              | 23.05.19<br>J-w-<br>20/130 | Seen on<br>23.05.19 | 0 | 20 | - | - | Mr. CM<br>Dimri &<br>Mr. Sunil<br>Basutkar<br>SEM                 | 1+1   | - | - | - | Reviewed  |
| 24.05.19 | Sajari STP                              | -                          | -                   | - | -  | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Handing over<br>meet with GM  |
| 25.05.19 | HAM Kanpur<br>BEP Unnao<br>& Shuklaganj | 31.05.19<br>J-w-<br>20/132 | 01.06.19<br>S-46    |   |    | - | - | Mr. CM<br>Dimri &<br>Mr. Sunil<br>Basutkar<br>SEM                 | 1+1   | - | - | - | Comment of<br>BEP<br>Shuklaganj<br>similar in<br>design with<br>Unnao   |
| 26.05.19 | <b>SUNDAY</b>                           |                            |                     |   |    |   |   |   |       |   |   |   |   |
| 27.05.19 | HAM Kanpur<br>BEP Unnao<br>& Shuklaganj | -                          | -                   | - | -  | - | - | Mr. CM<br>Dimri &<br>Mr. Sunil<br>Basutkar<br>SEM                 | 1+1   | - | - | - | Discussion<br>with KRMP<br>& accepted<br>the BEP<br>Unnao<br>compliance |
| 28.05.19 | Sajari STP                              | -                          | -                   | - | -  | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Taking over<br>discussion<br>with KRMP<br>and meeting<br>with CE-K      |
| 29.05.19 | Sajari STP                              | -                          | -                   | - | -  | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP               | 1+1+1 | - | - | - | Handed over<br>to KRMP  |

|                 |                                      |                                |                          |   |    |   |   |  |                     |   |   |   |  |
|-----------------|--------------------------------------|--------------------------------|--------------------------|---|----|---|---|--|---------------------|---|---|---|--|
|                 |                                      |                                |                          |   |    |   |   | Tripathi &   |                     |   |   |   |  |
| 30.05.19        | HAM Kanpur BEP Unnao & Shuklaganj    | 31.05.19<br>J-w-20/147         | 01.06.19<br>S-46         | 1 | 20 | - | - | Mr. CM Dimri,<br>Mr. J.P. Tripathi,<br>Mr. SP Tripathi & | 1+1+1               | - | - | - | Comment regarding process engineering sent   |
| 31.05.19        | Sajari taken over & CP's information | 01.06.19<br>J-w-20/148         | 01.06.19<br>S-47<br>S-49 | 0 | 20 | - | - | Mr. CM Dimri,<br>Mr. J.P. Tripathi,<br>Mr. SP Tripathi & | 1+1+1               | - | - | - | Asked to send a copy of handing over note.<br>Asked to submit plan/schedule for proper O&M |
| <b>Total</b>    |                                      |                                |                          |   |    |   |   |  | <b>31+31+28+6+2</b> |   |   |   |  |
| <b>Jun-2019</b> |                                      |                                |                          |   |    |   |   |  |                     |   |   |   |  |
| 01.06.19        | O&M manual for Bingawan facilities   | 01.06.19<br>J-w-20/151<br>K-82 | 07.06.19<br>S-53         | 6 | 20 | - | - | Mr. CM Dimri,<br>Mr. J.P. Tripathi,<br>Mr. SP Tripathi & |                     | - | - | - | Asked to resubmit O&M manual incorporating comments  |
|                 | O&M manual for Sajari facilities     | 01.06.19<br>J-w-20/152         | 04.06.19<br>S-51         | 3 | 20 | - | - | Mr. CM Dimri,<br>Mr. J.P. Tripathi,<br>Mr. SP Tripathi & |                     | - | - | - | O&M manual sajari vetted. Approval is done by UPJN   |
|                 | Revised (R2) BEP Unnao facility      | 10.06.19<br>J-w-20/154<br>K-84 | 19.06.19<br>S-63         | 9 | 20 | - | - | Mr. CM Dimri,<br>Mr. J.P. Tripathi,<br>Mr. SP            |                     | - | - | - | Asked to submit complete master drawing  |

|          |  |                                |                  |   |    |   |   |  |       |   |   |   |  |
|----------|--|--------------------------------|------------------|---|----|---|---|--|-------|---|---|---|--|
|          |  |                                |                  |   |    |   |   | Tripathi &   |       |   |   |   | schedule   |
|          | Revised (R2) BEP Unnao, Shuklaganj & Pankha (R1) | 10.06.19<br>J-w-20/153         | 19.06.19<br>S-63 | 9 | 20 | - | - | Mr. CM Dimri,<br>Mr. J.P. Tripathi,<br>Mr. SP Tripathi & | 1+1+1 | - | - | - | Asked to submit complete master drawing schedule                       |
|          | Compliance report Structure drawing- Shuklaganj  | 01.06.19<br>J-w-20-149<br>K-78 | 10.06.19<br>S-55 | 9 | 20 | - | - | Mr. CM Dimri,<br>Mr. J.P. Tripathi,<br>Mr. SP Tripathi & |       | - | - | - | Structure comments sent for compliance                                 |
| 02.06.19 | <b>SUNDAY</b>                                    |                                |                  |   |    |   |   |  |       |   |   |   |  |
| 03.06.19 | O&M Sajari                                       | 31.05.19<br>J-w-20/148         | 03.06.19<br>S-49 | 3 | 20 | - | - | Mr. CM Dimri,<br>Mr. J.P. Tripathi,<br>Mr. SP Tripathi & | 1+1+1 | - | - | - | Asked to submit compliance report                                      |
| 04.06.19 | Insurance for Sajari facilities                  | -                              | 04.06.19<br>S-50 | - | -  | - | - | Mr. CM Dimri,<br>Mr. J.P. Tripathi,<br>Mr. SP Tripathi & |       | - | - | - | Asked concessionaire to submit insurance policy as per Art. 11.2 of CA |
|          | Meeting NMCG New Delhi                           | -                              | -                | - | -  | - | - | Mr. CM Dimri,<br>Mr. J.P. Tripathi,<br>Mr. SP Tripathi & | 1+1+1 | - | - | - | Progress review  |
| 05.06.19 | BEP Shuklaganj & Unnao                           | -                              | -                | - | -  | - | - | Mr. CM Dimri,<br>Mr. J.P. Tripathi,                      | 1+1+1 | - | - | - | Vetting by process engineer  |

|          |   |   |                          |   |   |   |   |   |       |   |   |   |  |
|----------|---|---|--------------------------|---|---|---|---|---|-------|---|---|---|--|
|          |   |   |                          |   |   |   |   | Mr. SP<br>Tripathi &  |       |   |   |   |  |
| 06.06.19 | BEP<br>Shuklaganj &<br>Unnao                            | - | -                        | - | - | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Meeting at<br>lucknow SE   |
| 07.06.19 | BEP<br>Shuklaganj &<br>Unnao                            | - | -                        | - | - | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Meeting at<br>lucknow SE<br>E&M  |
| 08.06.19 | <b>SECOND SATURDAY</b>                                  |   |                          |   |   |   |   |   |       |   |   |   |  |
| 09.06.19 | <b>SUNDAY</b>   |   |                          |   |   |   |   |   |       |   |   |   |  |
| 10.06.19 | Meeting<br>with GM                                      | - | -                        | - | - | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Construction<br>plan<br>discussion   |
| 11.06.19 | Meeting<br>with PM-III<br>review<br>meeting -<br>Sajari |   | 11.06.19<br>S-56<br>S-57 |   |   |   | - | Mr. JP<br>Tripathi<br>Mr. CM<br>Dimri,                            |       | - | - | - | Asked to<br>deploy<br>adequate staff<br>&<br>arrangements.<br>Asked to<br>conduct<br>hourly<br>sampling &<br>testing both at<br>inlet & outlet<br>of STP |
|          | Meeting<br>with   | - | -                        | - | - | - | - | Mr. JP<br>Tripathi  |       | - | - | - | BEP Pankha<br>discussion   |

|          |  |                                    |                   |   |    |   |   |   |       |   |   |   |  |
|----------|--|------------------------------------|-------------------|---|----|---|---|---|-------|---|---|---|--|
|          | GM/PM-III  |                                    |                   |   |    |   |   | Mr. CM<br>Dimri,  |       |   |   |   |  |
| 12.06.19 | Update required in submitted document of KRMPL-BEPs      | 10.06.19<br>Docu<br>ment sent      | 12.06.19<br>S-59  | 2 | 20 | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Asked to submit signed document having index & page no.                                  |
| 13.06.19 | Approval of BEP Shuklaganj                               | 13.06.19<br>J-w-<br>97/160<br>K-87 | -                 | - | -  | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Discussion with SE E&M 23 <sup>rd</sup> circle lucknow                                   |
| 14.06.19 | BEP Shuklaganj & Unnao                                   | -                                  | -                 | - | -  | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Technical discussion with SE E&M 23 <sup>rd</sup> circle lucknow                         |
| 15.06.19 | Handing over of 210MLD Bingawan facilities               | 15.06.19<br>(K-89)                 | 17.06.19<br>S-61  | - | -  | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & |       | - | - | - | Asked to carry out joint sample collection by concessionaire, UPJN & existing contractor |
|          | Records & reporting requirement during O&M period-Sajari | -                                  | 15.06.19S<br>-60A | - | -  | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Conveyed comments & asked to follow point 8.8(b) of CA                                   |
| 16.06.19 | <b>SUNDAY</b>  |                                    |                   |   |    |   |   |   |       |   |   |   |  |
| 17.06.19 | Pankha BEP   | -                                  | -                 | - | -  | - | - | Mr. CM  | 1+1   | - | - | - | Technical  |

|          |                                     |   |                         |    |    |   |   |  |         |   |   |   |   |
|----------|-------------------------------------|---|-------------------------|----|----|---|---|--|---------|---|---|---|---|
|          |                                     |   |                         |    |    |   |   | Dimri & Mr. AK Seth  |         |   |   |   | discussion with PM-III UPJN & KRMPPL    |
| 18.06.19 | Geotech Survey                      | -   | -                       | -  | -  | - | - | Mr. CM Dimri, Mr. J.P. Tripathi, Mr. SP Tripathi &             | 1+1+1   | - | - | - | Site investigation                      |
| 19.06.19 | BEP approval of Jajmau STP          | -   | 19.06.19 S-62           | -  | -  | - | - | Mr. CM Dimri, Mr. J.P. Tripathi, Mr. SP Tripathi & Mr. AK Seth | 1+1+1+1 | - | - | - | Comments regarding electrical part sent |
| 20.06.19 | BEP Revised Jajmau 130MLD Comments  | 26.06.19 J-w-20/183 K-54, 55, 70, 70A, 86, 89 | 11.07.19 S-83           | 15 | 20 | - | - | Mr. CM Dimri & Mr. AK Seth                                     |         | - | - | - | Letter wise reply sent                  |
|          | ESHS report for all facilities      | 20.06.19 K-95                                 | Seen & file On 20.06.19 | 0  | 20 | - | - | Mr. CM Dimri, Mr. J.P. Tripathi, Mr. SP Tripathi &             | 1+1+1+1 | - | - | - | Reviewed                                |
|          | Revised project schedule for pankha | 20.06.19 K-96                                 | Seen & file on 20.06.19 | 0  | 20 | - | - | Mr. CM Dimri, Mr. J.P. Tripathi, Mr. SP                        |         | - | - | - | For office record                       |



|          |                                   |                              |                                     |   |    |   |   |   |       |   |   |   |  |
|----------|-----------------------------------|------------------------------|-------------------------------------|---|----|---|---|---|-------|---|---|---|--|
|          |                                   |                              |                                     |   |    |   |   | Tripathi &  |       |   |   |   |  |
|          | O&M sajari & Bingawan             | -                            | 20.06.19<br>S-64                    | 0 | 20 | - | - | Mr. JP<br>Tripathi<br>Mr. AK<br>Seth                              |       | - | - | - | Reminder letter for previous submission & comments                             |
| 21.06.19 | HAM Kanpur Approval of Unnao BEP  | 24.06.19<br>J-w-s-<br>97/169 | -                                   | - | -  | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Meeting with GM, UPJN & their letter w-20/175 to 181 dated 20.06.19            |
|          | Resubmission of construction plan | -                            | 21.06.19<br>S-65                    | - | -  | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & |       | - | - | - | Asked to submit CP as per required format                                      |
| 22.06.19 | Request for road access to STP's  | 22.06.19<br>K-103            | Seen & file on<br>22.06.19          |   |    | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & |       | - | - | - | For office record  |
|          | O&M Sajari                        |                              | 22.06.19<br>S-65                    | 0 | 20 | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Reminder letter to UPJN for instruction to KRMPL for hourly sampling & testing |
| 23.06.19 | <b>SUNDAY</b>                     |                              |                                     |   |    |   |   |   |       |   |   |   |  |
| 24.06.19 | Revised BEP Unnao Staff quarter   | 24.06.19<br>K-98             | 24.06.19<br>S-67<br>(staff quarter) | 0 | 20 | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,                         |       | - | - | - | Revised BEP for Shuklaganj & Unnao vetted. They                                |

|          |                                 |                          |                            |    |    |   |   |   |       |   |   |   |   |
|----------|---------------------------------|--------------------------|----------------------------|----|----|---|---|---|-------|---|---|---|---|
|          |                                 |                          | incomplete submission)     |    |    |   |   | Mr. SP<br>Tripathi &  |       |   |   |   | can be forwarded to IITR  |
|          | O&M Sajari: online analyser     | 24.06.19<br>K-103        | 24.06.19<br>S-66           | 0  | 20 | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Draw attention of UPJN towards article 3.8 of CA-handover of existing facilities. |
| 25.06.19 | O&M Sajari                      | -                        | 25.06.19<br>S-68           | 0  | 20 | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Asked to submit compliance report   |
| 26.06.19 | HAM Kanpur                      | 20.06.19<br>(J-w-20/183) | Seen & file on<br>20.06.19 | 0  | 20 | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | For office record   |
| 27.06.19 | Attended office                 | -                        | -                          | -  | -  | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Discussion on project related work  |
| 28.06.19 | Inspection report of Sajari STP | -                        | 28.06.19<br>S-69           | -  | -  | - | - | Mr. CM<br>Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & | 1+1+1 | - | - | - | Sent inspection report for perusal of UPJN.                                       |
| 29.06.19 | BEP R1                          | 05.07.19                 | 20.07.19                   | 15 | 20 | - | - | Mr. CM  | 1+1+1 | - | - | - | Comment   |

|              |               |       |      |  |  |  |  |   |  |  |  |  |  |
|--------------|---------------|-------|------|--|--|--|--|---|--|--|--|--|--|
|              | Pankha        | K-106 | S-96 |  |  |  |  | Dimri,<br>Mr. J.P.<br>Tripathi,<br>Mr. SP<br>Tripathi & |  |  |  |  | sent. Asked<br>for<br>compliance &<br>resubmission |
| 30.06.19     | <b>SUNDAY</b> |       |      |  |  |  |  |   |  |  |  |  |  |
| <b>Total</b> |               |       |      |  |  |  |  |   |  |  |  |  | <b>30+28+25+<br/>4</b>                             |

## 8 LIST OF LETTERS

Details of letters during Apr-June 2019 are given in below tables:

**Table 8.1: Inward Letters**

| April 2019 |            |            |   |               |
|------------|------------|------------|---|---------------|
| SN         | Date       | Letter No. | Subject   | Received Date |
| 1.         | 04.04.2019 | W-37/18    | HANDING OVER 210 MLD BINGAWAN STP AND ASSOCIATED INFRASTRUCTURE                 | 5.4.19        |
| 2.         | 05.04.2019 | M-23/03    | REGARDING DRAWINGS LIST OF 210 MLD STP AT BINGAWAN KANPUR                       | 5.4.19        |
| 3.         | 09.04.2019 | W-20/24    | CONSTRUCTION PLAN FOR PANKH ,UNNAO,SHUKLAGANJ, JAJMAU                           | 10.4.19       |
| 4.         | 09.04.2019 | W-20/25    | IMPLICATION DUE TO CHANGE IN SITE CONDITION FOR MLD PLOT UNDER UNNAO FACILITIES | 10.4.19       |
| 5.         | 09.04.2019 | W-20/26    | DESIGN DRAWING & CONCERNING DOCUMENTS OF  | 10.4.19       |
| 6.         | 09.04.2019 | W-20/27    | DESIGN DRAWING AND CONCERNING DOCUMENTS OF SHUKLAGANJ STP AND APPURTENANT WORKS | 10.4.19       |
| 7.         | 09.04.2019 | W-10/03    | HANDING OVER OF SEWAGE TREATMENT PLANT /SEWAGE PUMPING STATION OF KNP           | 10.4.19       |
| 8.         | 09.04.2019 | W-10/03    | HANDING OVER OF SEWAGE TREATMENT PLANT STP / SEWAGE PUMPING STATION SPS OF KNP  | 10.4.19       |
| 9.         | 10.04.2019 | W-20/31    | REVIEW AND COMMENT ON SUBMITTED DRAWINGS AND DESIGN BY CONCESSIONAIRE.          | 12.4.19       |
| 10.        | 11.04.2019 | W-20/32    | MEETING SCHEDULED 18.04.2019  | 12.4.19       |
| 11.        | 12.04.2019 | KNP/41     | DEVELOPMENT OF SEWAGE TREATMENT PLANS ON HYBRID ANNUITY PPP BASIS AT KANPUR,    | 14.4.19       |
| 12.        | 12.04.2019 | KNP/39     | SURVEY OF SAJARI  | 14.4.19       |
| 13.        | 12.04.2019 | KNP/40     | CONDITION OF SAJARI FACILITIES  | 14.4.19       |
| 14.        | 12.04.2019 | KNP/37     | SURVEY OF BINGAWAN FACILITIES   | 14.4.19       |
| 15.        | 12.04.2019 | KNP/38     | CONDITION OF BINGAWAN FACILITIES  | 14.4.19       |
| 16.        | 15.04.2019 | W-20/36    | BASIC ENGINEERING PACKAGE FOR PANKHA  | 18.4.19       |
| 17.        | 15.04.2019 | KNP/34     | HANDING OVER DRAFT OF O&M MANUAL SAJARI   | 18.4.19       |
| 18.        | 16.04.2019 | W-20/40    | SURVEY & CONDITION OF SAJARI FACILITIES   | 17.4.19       |
| 19.        | 16.04.2019 | KNP/46     | SUBMISSION OF STRUCTURAL DESIGN & DRAWING FOR SHUKLAGANJ STP UNIT.              | 17.4.19       |
| 20.        | 16.04.2019 | KNP/45     | SUBMISSION OF BASIC ENGINEERING PACKAGE FOR REHABILITATION OF JAJMAU STP        | 18.4.19       |
| 21.        | 16.04.2019 | W-20/42    | SURVEY& CONDITION OF BINGAWAN FRACILITIES                                       | 18.4.19       |
| 22.        | 18.04.2019 | W-20/47    | REGARDING FOR COMMENTS ON BEP UNNAO AND SHUKLAGANJ SUBMITTED BY CONCESSIONAIRE  | 18.4.19       |

|                 |            |         |   |         |
|-----------------|------------|---------|---|---------|
| 23.             | 18.04.2019 | W-20/47 | REGARDING FOR COMMENTS ON BEP UNNAO AND SHUKLAGANJ SUBMITTED BY CONCESSIONAIRE  | 20.4.19 |
| 24.             | 18.04.2019 | W-20/45 | DEVELOPMENT OF SEWAGE TREATMENT PLANT ON HYBRID ANNUITY PPP BASIS AT KNP  | 20.4.19 |
| 25.             | 18.04.2019 | W-20/46 | SUBMISSION OF ESHS DOCUMENTS AS PER CONCESSIONAIRE AGREEMENT 3.2 A (iii) & B (ii) AND AS PER CLAUSE 7.4 OF THE AGREEMENT. | 20.4.19 |
| 26.             | 18.04.2019 | W-20/44 | O&M MANUAL FOR SAJARI 42 MLD SAJARI   | 20.4.19 |
| 27.             | 18.04.2019 | W-20/50 | REGARDING FOR SURVEY CONDITION & OPERATION & Maintenance  | 20.4.19 |
| 28.             | 19.04.2019 | KNP/46A | CONSTRUCTION PLAN SUBMITTED BY KRMP L ON PANKHA SHUKL.UNNAO.JAJMAU.   | 20.4.19 |
| 29.             | 19.04.2019 | KNP/46A | CONSTRUCTION PLAN SUBMITTED   | 20.4.19 |
| 30.             | 19.04.2019 | KNP/48  | DEVELOPMENT OF SEWAGE TREATMENT PLANTS ON HYBRID ANNUITY PPP BASIS AT KNP   | 20.4.19 |
| 31.             | 20.04.2019 | W-20/51 | SUBMISSION OF STRUCTURAL DESIGN & DRAWING FOR SHUKLAGANJ STP UNIT.  | 22.4.19 |
| 32.             | 20.04.2019 | W-20/56 | REGARDING FOR KANPUR SEWERAGE PROJECT UNDER HYBRID ANNUITY BASE PPP MODE.   | 22.4.19 |
| 33.             | 20.04.2019 | W-20/54 | SUBMISSION OF BASIC ENGINEERING PACKAGE FOR REHABILITATION OF JAJMAU STP  | 22.4.19 |
| 34.             | 20.04.2019 | W-20/55 | REGARDING FOR O&M MANUAL OF SWAJARI 42 MLD CAPACITY EXISTING STP UNDER HYBRID   | 22.4.19 |
| 35.             | 20.04.2019 | W-20/52 | INFORMATION REGARDING CONSTRUCTION PLAN REVISE FOR PANKHA ,SHUKLAGANJ, UNNAO,JAJMAU                                       | 22.4.19 |
| 36.             | 20.04.2019 | W-20/52 | INFORMATION REGARDING CONSTRUCTION PLAN   | 22.4.19 |
| 37.             | 20.04.2019 | W-20/53 | HANDING OVE 210 MLD STP AT BINGAWAN INCLUDING ALL EXISTING INFRA  | 22.4.19 |
| 38.             | 24.04.2019 | 19      | PRAPOSED WORK   | 25.4.19 |
| 39.             | 25.04.2019 | KNP/50  | SUBMISSION OF BINGAWAN O&M SECURITY FOR 'DEVP. OF SEWAGE TREATMENT PLANT ON HYBRID ANNUITY BASIS PPP                      | 28.4.19 |
| 40.             | 25.04.2019 | W-20/65 | FORWORDING REVISED PROJECT SCHEDULE FOR UNNAO, SHUKLAGANJ, PANKHA, JAJMAU,130 FOR REVIEW AND COMMENT                      | 28.4.19 |
| 41.             | 27.04.2019 | W-39/32 | MEETING HELD 08.04.2019   | 28.4.19 |
| <b>May 2019</b> |            |         |   |         |
| 1.              | 04.05.2019 | KNP/64  | SUBMISSION OF REVISED BASIC ENGINEERING PACKAGE FOR SHUKLAGANJ FACILITIES.  | 5.5.19  |
| 2.              | 02.05.2019 | W-20/83 | REGARDING FOR DEVELOPMENT OF STP ON HAM   | 5.5.19  |
| 3.              | 02.05.2019 | KNP/54  | SUBMISSION OF SAJARI O&M SECURITY   | 5.5.19  |
| 4.              | 02.05.2019 | W-20/82 | REHABILITATION OF 130 MLD JAJMAU  | 5.5.19  |
| 5.              | 03.05.2019 | KNP/55  | RETAKING OVER OF SAJARI   | 5.5.19  |
| 6.              | 03.05.2019 | W-20/85 | JOINT INSPECTION REPORT FOR SAJARI PROJECT  | 5.5.19  |
| 7.              | 03.05.2019 | KNP/54  | RE-TAKING OVE BINGAWAN FACILITIES : JOINT INSP.   | 5.5.19  |
| 8.              | 03.05.2019 | W-20/84 | JOINT INSP. REPORT FOR BINGAWAN   | 5.5.19  |
| 9.              | 04.05.2019 | KNP/61  | SUBMISSIO OF BASIC ENGG. PACKAGE OF REHB. OF EXISTING 130MLD JAJMAU   | 8.5.19  |

|     |            |          |  |         |
|-----|------------|----------|--|---------|
| 10. | 06.05.2019 | KNP/62   | HANDING OVER DRAFT-1 O&M MANUAL OF BINGAWAN  | 6.5.19  |
| 11. | 06.05.2019 | KNP/59   | HANDING OVER DRAFT-2 OF O&M MANUAL OF SAJARI   | 6.5.19  |
| 12. | 07.05.2019 | KNP/53   | CONSTRUCTION PLAN AFTER INCREASING FONT SIZE SUBMITTED BY KRMP L ON PANKHA , SHUKLAGANJ,UNNAO, JAJMAU  | 8.5.19  |
| 13. | 07.05.2019 | KNP/65   | SUBMISSION OF COMPLIANCE REPORT REGARDING BEP OF SHUKLAGANJ,UNNAO.PANKHA   | 8.5.19  |
| 14. | 08.05.2019 | W-20/96  | COMPLIANCE REPORT REGARDING BEP FOR SHUKLA GANJ,UNNAO& PANKHA.   | 8.5.19  |
| 15. | 08.05.2019 | W-20/96  | COMPLIANCE REPORT REGARDING BEP FOR ,UNNAO & PANKHA.   | 10.5.19 |
| 16. | 08.05.2019 | W-20/98  | REVISED CONSTRUCTION PLAN FOR SHUKLAGANJ,UNNAO ,PANKHA & JAJMAU  | 10.5.19 |
| 17. | 08.05.2019 | W-20/93  | SUBMISSION OF BASIC ENGG. PACK. FOR REHB. OF EXISTING 130 MLD JAJMAU   | 10.5.19 |
| 18. | 08.05.2019 | W-20/98  | REVISED CONSTRUCTION PLAN FOR SHUKLAGANJ UNNAO,PANKHA,JAJMAU   | 10.5.19 |
| 19. | 08.05.2019 | KNP/66   | DEVELOPMENT OF SEWAGE TREATMENT PLANTS ON HYBRID ANNUITY PPP BASIS   | 10.5.19 |
| 20. | 08.05.2019 | W-20/99  | JOINT DISCUSSION FOR BEP CONSTRUCTION SCHEDULE O&M MANUAL & ESHS   | 10.5.19 |
| 21. | 08.05.2019 | W-20/97  | REVISED O&M MANUAL BINGAWAN  | 10.5.19 |
| 22. | 08.05.2019 | W-20/95  | REVISED O&M MANUAL FOR 42 MLD SAJARI   | 10.5.19 |
| 23. | 09.05.2019 | W-20/101 | MEETING-06.05.2019   | 10.5.19 |
| 24. | 10.05.2019 | KNP/69   | REVISED BEP SUBMISSION FOR 5MPD SHUKLAGANJ & 15 MLD UNNAO  | 12.5.19 |
| 25. | 10.05.2019 | KNP/69   | REVISED BEP SUBMISSION FOR 5MLD SHUKLAGANJ & 15MLD UNNAO   | 12.5.19 |
| 26. | 10.05.2019 | W-20/104 | REVISED BEP FOR SHUKLAGANJ & UNNAO   | 12.5.19 |
| 27. | 11.05.2019 | M-1/19   | MEETING  | 12.5.19 |
| 28. | 14.05.2019 | KNP/73   | TAKING OVER OF JAJMAU FACILITIES JOINT INSPECTION REPORT   | 15.5.19 |
| 29. | 14.05.2019 | M-2/72   | MEETING  | 15.5.19 |
| 30. | 14.05.2019 | KNP/74   | APPOINTMENT OF O&M INCHARGE FOR 42 MLD STP SAJARI  | 15.5.19 |
| 31. | 19.05.2019 | W-20/110 | TECHNOLOGY LICENCE AGREEMENT   | 20.5.19 |
| 32. | 21.05.2019 | KNP/75   | TAKING OVER OF 42 MLD SAJARI FACILITIES  | 22.5.19 |
| 33. | 22.05.2019 | KNP/76   | REVISED CONTOUR DRAWING SUBMISSION WITH EXISTING GROUND LEVEL& CORDINATE FOR 5MLD(SHUKLAGANJ), 15MLD (UNNAO)&30MLD (PANKHA)STP               | 24.5.19 |
| 34. | 22.05.2019 | KNP/127  | REVISED CONTOUR DRAWING SUBMISSION WITH EXISTING GROUND LEVEL (EGL) & COORDINATE FOR 5 MLD (SHUKLAGANJ),15 MLD (UNNAO) & 30MLD (PANKHA STP). | 24.5.19 |
| 35. | 22.05.2019 | 1        | REGARDING HANDOVER OF 42 MLD SAJARI AND ITS RELATED WORK   | 24.5.19 |
| 36. | 22.05.2019 | W-20/128 | TAKING OVER OF 42 MLD SAJARI FACILITIES  | 24.5.19 |
| 37. | 23.05.2019 | W-20/130 | REGARDING FOR BEP  | 24.5.19 |
| 38. | 23.05.2019 | W-20/131 | BEP JAJMAU   | 24.5.19 |
| 39. | 23.05.2019 | W-20/129 | REGARDING FOR HAM KANPUR -BEP UNNAO, SHUKLAGANJ & STRUCTURE DESIGN-SHUKLAGANJ  | 24.5.19 |
| 40. | 25.05.2019 | W-20/132 | SUBMISSION OF COMPLIANCE REPORT FOR SHUKLAGANJ FACILITIES & UNNAO FACILITIES.  | 26.5.19 |
| 41. | 31.05.2019 | KNP/84   | SUBMISSION OF REVISED BASIC ENGINEERING FOR UNNAO FACILITIES   | 2.6.19  |

|                  |            |              |   |         |
|------------------|------------|--------------|---|---------|
| 42.              | 31.05.2019 | KNP/83       | SUBMISSION OF REVISED BASIC ENGINEERING PACKAGE FOR SHUKLAGANJ FACILITIES   | 2.6.19  |
| 43.              | 31.05.2019 | KNP/85       | CONFIRMATION FOR SAJARI TAKEN OVER & CPs RELATED INFORMATION  | 2.6.19  |
| 44.              | 31.05.2019 | W-20/148     | CONFIRMATION FOR SAJARI TAKEN OVER & CPs RELATED INFORMATION  | 2.6.19  |
| 45.              | 31.05.2019 | KNP/82       | O&M MANUAL FOR BINGAWAN FACILITIES  | 2.6.19  |
| 46.              | 31.05.2019 | KNP/85       | CONFIRMATION FOR SAJARI TAKEN OVER & CPs RELETED INFORMATION  | 2.6.19  |
| 47.              | 31.05.2019 | W-20/148     | CONFIRMATION FOR SAJARI TAKEN OVER & CPs RELETED INFORMATION  | 2.6.19  |
| 48.              | 31.05.2019 | KNP/81       | O&M MANUAL FOR SAJARI FACILITIES  | 2.6.19  |
| <b>June 2019</b> |            |              |   |         |
| 1.               | 01.06.2019 | W-20/154     | SUBMISSION OF REVISED (R2) ENGINEERING PACKAGE FOR UNNAO FACILITIES   | 2.6.19  |
| 2.               | 01.06.2019 | KNP/78       | SUBMISSION OF COMPLIANCE REPORT FOR STRUCTUREAL DRAWINGS -SHUKLAGANJ FACILITIES.  | 2.6.19  |
| 3.               | 01.06.2019 | W-20/149     | SUBMISSION OF COMPLIANCE REPORT FOR STRUCTURAL DRAWINGS -SHUKLAGANJ FACILITIES.   | 2.6.19  |
| 4.               | 01.06.2019 | W-20/153     | SUBMISSION OF REVISED (R2) ENGINEERING PACKAGE FOR SHUKLAGANJ FACILITIES.   | 2.6.19  |
| 5.               | 01.06.2019 | W-20/151     | O&M MANUAL FOR BINGAWAN FACILITIES  | 2.6.19  |
| 6.               | 01.06.2019 | W-20/152     | O&M MANUAL FOR SAJARI FACILITIES  | 2.6.19  |
| 7.               | 07.06.2019 | W-20/155     | DESIGN&DRAWING REVIEW FOR DEVLOPMENT OF SEWAGE TREATMENT PLANTS ON HYBRID ANNUITY PPP BASIS AT KANPUR & UNNAO           | 8.6.19  |
| 8.               | 07.06.2019 | W-20/164     | PRAPOSED WORK   | 8.6.19  |
| 9.               | 11.06.2019 | KNP/86       | COMPLIANCE REPORT FOR BASIC ENGG. PACKAGE OF REHB. OF EXISTING 130 JAJMAU   | 12.6.19 |
| 10.              | 13.06.2019 | W-S - 97/160 | DEVELOPMENT OF SEWAGE TREATMENT PLANTS ON HYBRID ANNUITY AT KANPUR:APPROVAL OF BEP                                      | 15.6.19 |
| 11.              | 13.06.2019 | KNP/87       | SUBMISSION FOR CONTOUR SURVEY ,LAYOUT PLAN HYDRO FLOW DIAGRAM & SOIL TEST REPORT FOR UNNAO & SHUKLAGANJ                 | 15.6.19 |
| 12.              | 13.06.2019 | WS- 97/160   | DEVELOPMENT OF SEWAGE TREATMENT PLANTS ON HYBRID ANNUITY AT KNP(APPROVAL OF BEP)  | 15.6.19 |
| 13.              | 13.06.2019 | KNP/87       | SUBMISSION FOR CONTOUR SURVEY, LAYOUT PLAN, HYDRO FLOWDIAGRAM & SOIL TEST REPORT FOR Unnao & Shuklaganj                 | 15.6.19 |
| 14.              | 14.06.2019 | KNP/88       | SUBMISSION OF NDT TEST REPORT FOR 130 MLD JAJMAU  | 15.6.19 |
| 15.              | 15.06.2019 | W-10/38      | REGARDING APPROVAL OF BEP OF 130 MLD STP JAJMAU & ASSOCITED FACILITY  | 17.6.19 |
| 16.              | 15.06.2019 | KNP/89       | HANDING OVER OF 210 MLD BINGAWAN FACILITIES   | 17.6.19 |
| 17.              | 18.06.2019 | WS- 97/164   | FOR PRAPOSED WORK   | 21.6.19 |
| 18.              | 18.06.2019 | W-S- 97/165  | PRAPOSED WORK   | 21.6.19 |
| 19.              | 19.06.2019 | KNP/92       | SUBMISSION OF COMPLIANCE REPORT FOR PROCESS ,MECHANICAL, INSTRUMENTATION ALONG WITH GA 7HDF FOR SHUKLAGANJ & UNNAO STP. | 21.6.19 |
| 20.              | 19.06.2019 | KNP/92       | SUBMISSION OF COMPLIANCE REPORT FO PROCESS, MECHANICAL, INSTRUMENTATION ALONG WITH GA & HFD FOR SHUKLAGANJ & UNNAO STP  | 21.6.19 |

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|-----|------------|-----------|--|---------|
| 21. | 19.06.2019 | KNP/93    | SUBMISSION OF COMPLIANCE REPORT AGAINST BEP COMMENTS ,VIDE UPJN  | 21.6.19 |
| 22. | 20.06.2019 | KNP/94    | SUBMISSION OF SEWRAGE NETWORK DRAWING FOR PANKHA FACILITIES  | 23.6.19 |
| 23. | 20.06.2019 | W-20/183  | DEVELOPMENT OF SEWAGE TREATMENT PLANTS ON HYBRID ANNUITY PPP BASIS AT KNP  | 23.6.19 |
| 24. | 20.06.2019 | KNP/95    | SUBMISSION OF ESHS REPORT FOR ALL FACILITIES   | 23.6.19 |
| 25. | 20.06.2019 | KNP/96    | SUBMISSION OF REVISED PROJECT SCHEDULE FOR PANKHA STP FOR GO AHED CLEARANCE  | 23.6.19 |
| 26. | 20.06.2019 | W-20/183  | DEVELOPMENT OF SEWAGE TREATMENT PLANTS ON HYBRID ANNUITY BASIS AT KNP  | 23.6.19 |
| 27. | 20.06.2019 | W-20/183  | DEVP. OF SEWAGE TREATMENT PLANT  | 23.6.19 |
| 28. | 21.06.2019 | WS-97/169 | DEVELOPMENT OF SEWAGE TREATMENT PLANTS ON HYBRID ANNUITY AT KNP(APPROVAL OF BEP)                                   | 23.6.19 |
| 29. | 22.06.2019 | KNP/103   | REQUISTING FOR ARRANGE TO PROVIDE ACCESS ROAD (S) TO STPs ON OR BEFORE EFFECTIVE DATE OF CONSTRUCTION              | 23.6.19 |
| 30. | 24.06.2019 | KNP/98    | SUBMISSION OF REVISED BASIC ENGINEERING PACKAGE FOR UNNAO FACILITIES.  | 28.6.19 |
| 31. | 24.06.2019 | KNP/97    | SUBMISSION OF REVISED BASIC ENGINEERING PACKAGE FOR SHUKLAGANJ FACILITIES.   | 28.6.19 |
| 32. | 24.06.2019 | KNP/103   | OPRETION OF 42 MLD SAJARI  | 28.6.19 |
| 33. | 25.06.2019 | M-47/10   | PRAPOSED WORK  | 28.6.19 |
| 34. | 25.06.2019 | M-47/10   | PRAPOSED WORK.   | 28.6.19 |
| 35. | 26.06.2019 | W-20/189  | SUBMISSION OF REVISED BASIC ENGINEERING PACKAGE FOR SHUKLAGANJ & UNNAO FACILITIES UNDER HAM KANPUR.                | 29.6.19 |
| 36. |            |           |  |         |
| 37. | 26.06.2019 | KNP/105   | SUBMISSION OF STRUCTURAL DESIGN & DRAWINGS FOR MPS & PTU FOR UNNAO FACILITIES.                                     | 29.6.19 |
| 38. | 26.06.2019 | W-20/189  | SUBMISSION OF REVISED BASIC ENGINEERING PACKAGE FOR SHUKLAGANJ & UNNAO   | 29.6.19 |
| 39. | 26.06.2019 | W-20/188  | O&M 42 MLD STP SAJARI  | 30.6.19 |
| 40. | 28.06.2019 | W-20/191  | ISUE FOR EFFLUENT DISCHARGE STANDARDS FOR STPs ORDERD BY NGT ON 30.04.2019   | 30.6.19 |
| 41. | 28.06.2019 | W-20/190  | INSPECTION REPORT 42 MLD SAJARI DONE ON 27/6   | 30.6.19 |
| 42. | 28.06.2019 | W-20/191  | ISSUE FOR EFFLUENT DISCHARGE STANDARDS FOR STPs ORDERD BY NGT ON 30.04.2019  | 30.6.19 |
| 43. | 28.06.2019 | W-20/191  | ISSUE FOR EFFLUENT DISCHARGE STANDARDS FOR STPs ORDERD BY NGT ON 30.4.19   | 30.6.19 |
| 44. | 29.06.2019 | KNP/106   | SUBMISSION OF REVISED (R1) BASIC ENGINEERING PACKAGE FOR PANKHA FACILITIES.  | 30.6.19 |
| 45. | 29.6.2019  | KNP/10    | SUBMISSION OF PERFORMANCE & ESHS SECURITY FOR DELOPS. OF SEWAGE TREATMENT PLANT ON HYBRID ANNUITY PPP BASIS AT KNP | 30.6.19 |



**Table 8.2: Outward Letters**

| <b>April 2019</b> |             |                   |              |   |
|-------------------|-------------|-------------------|--------------|---|
| <b>SN</b>         | <b>Date</b> | <b>Sent</b>       | <b>Place</b> | <b>Subject</b>                            |
| 1.                | 01-04-2019  | G.M, UPJN         | Kanpur       | Detailed of cash                          |
| 2.                | 06-04-2019  | G.M, UPJN         | Kanpur       | Detailed construction plan                |
| 3.                | 10-04-2019  | G.M, UPJN         | Kanpur       | Mobilisation Staff                        |
| 4.                | 10-04-2019  | G.M, UPJN         | Kanpur       | Meeting Unnao                             |
| 5.                | 16-04-2019  | G.M, UPJN         | Kanpur       | O&M meeting of 130 MLD STP                |
| 6.                | 16-04-2019  | G.M, UPJN         | Kanpur       | Survey & condition of Bingawan facilities |
| 7.                | 16-04-2019  | Basutkar          | Kanpur       | Meeting                                   |
| 8.                | 17-04-2019  | G.M, UPJN         | Kanpur       | Survey & condition of Bingawan facilities |
| 9.                | 17-04-2019  | G.M, UPJN         | Kanpur       | Survey & condition of Sajari facilities   |
| 10.               | 18-04-2019  | G.M, UPJN         | Kanpur       | Survey & condition of Jajmau facilities   |
| 11.               | 18-04-2019  | G.M, UPJN         | Kanpur       | Survey & condition of Jajmau facilities   |
| 12.               | 17-04-2019  | SE 3rd Circle     | Lucknow      | Mobilisation Staff                        |
| 13.               | 17-04-2019  | G.M, UPJN         | Kanpur       | Comments on BEP Shuklaganj                |
| 14.               | 17-04-2019  | G.M, UPJN         | Kanpur       | Comments on BEP Unnao                     |
| 15.               | 20-04-2019  | G.M (GPCU)        | Kanpur       | O&M Manual Sajari                         |
| 16.               | 20-04-2019  | G.M (GPCU)        | Kanpur       | O&M Manual Pankha                         |
| 17.               | 22-04-2019  | G.M (GPCU))       | Kanpur       | Handing over 210 MLD Bingawan STP         |
| 18.               | 24-04-2019  | G.M, UPJN         | Kanpur       | Documentation general for projects        |
| 19.               | 25-04-2019  | Preetam Walunjkar | Kanpur       | Design & Drawing general Shuklaganj       |
| 20.               | 26-04-2019  | G.M, UPJN         | Kanpur       | Submission of Structural Design           |
| 21.               | 27-04-2019  | Satish Kamraju    | Kanpur       | Submission of basic engineering package   |
| 22.               | 28-04-2019  | G.M, UPJN         | Kanpur       | O&M Manual for 210 MLD Bingawan           |
| 23.               | 29-04-2019  | G.M, UPJN         | Kanpur       | Technology licence agreement              |
| 24.               | 30-04-2019  | G.M, UPJN         | Kanpur       | BEP Rehabilitation of 130 MLD Jajmau      |
| <b>May 2019</b>   |             |                   |              |   |
| 1.                | 02-05-2019  | G.M, UPJN         | Kanpur       | Development of STP on HAM                 |
| 2.                | 10-05-2019  | G.M, UPJN         | Kanpur       | Development of STP on HAM                 |
| 3.                | 13-05-2019  | G.M, UPJN         | Kanpur       | Development of STP on HAM                 |
| 4.                | 13-05-2019  | G.M, UPJN         | Kanpur       | O&M 130 MLD existing STP                  |
| 5.                | 14-05-2019  | G.M, UPJN         | Kanpur       | O&M 42 MLD, Sajari STP                    |
| 6.                | 15-05-2019  | G.M, UPJN         | Kanpur       | Structural design Shuklaganj              |
| 7.                | 17-05-2019  | G.M, UPJN         | Kanpur       | BEP Shuklaganj, Unnao                     |
| 8.                | 17-05-2019  | G.M, UPJN         | Kanpur       | BEP Jajmau                                |
| 9.                | 21-05-2019  | G.M, UPJN         | Kanpur       | BEP Shuklaganj                            |
| 10.               | 21-05-2019  | G.M, UPJN         | Kanpur       | BEP Unnao                                 |
| 11.               | 24-05-2019  | G.M, UPJN         | Kanpur       | BEP Jajmau                                |
| 12.               | 28-05-2019  | G.M, UPJN         | Lucknow      | O&M Sajari 42 MLD                         |

|                  |            |           |        |  |
|------------------|------------|-----------|--------|--|
| 13.              | 29-05-2019 | G.M, UPJN | Kanpur | ESHS documents   |
| 14.              | 30-05-2019 | G.M, UPJN | Kanpur | BEP Shuklaganj, Unnao  |
| <b>June 2019</b> |            |           |        |  |
| 1.               | 01-06-2019 | G.M, UPJN | Kanpur | 42 MLD Sajari STP  |
| 2.               | 01-06-2019 | G.M, UPJN | Kanpur | Associated Infrastructure HAM project, Pankha facilities   |
| 3.               | 03-06-2019 | G.M, UPJN | Kanpur | Confirmation of token over 42 MLD Sajari STP   |
| 4.               | 04-06-2019 | G.M, UPJN | Kanpur | 42 MLD Sajari facilities   |
| 5.               | 04-06-2019 | G.M, UPJN | Kanpur | O&M 42 MLD, Sajari facilities  |
| 6.               | 06-06-2019 | G.M, UPJN | Kanpur | Construction plan  |
| 7.               | 07-06-2019 | G.M, UPJN | Kanpur | O&M Manual Bingawan  |
| 8.               | 07-06-2019 | G.M, UPJN | Kanpur | Contour drawing submission   |
| 9.               | 10-06-2019 | G.M, UPJN | Kanpur | HAM Project Kanpur   |
| 10.              | 11-06-2019 | G.M, UPJN | Kanpur | Handing over 210 MLD Bingawan facilities   |
| 11.              | 11-06-2019 | G.M, UPJN | Kanpur | Hourly sampling & testing for 10 days Sajari facilities  |
| 12.              | 12-06-2019 | G.M, UPJN | Kanpur | Handing over of 43 MLD Jajmau-2 facilities   |
| 13.              | 12-06-2019 | G.M, UPJN | Kanpur | Updation required in submitted documents of KRMP   |
| 14.              | 13-06-2019 | G.M, UPJN | Kanpur | Updation of meeting at Lucknow 10th & 11th June 2019   |
| 15.              | 15-06-2019 | G.M, UPJN | Kanpur | Records & reporting requirement during O&M period at 43 MLD Sajari                                   |
| 16.              | 17-06-2019 | G.M, UPJN | Kanpur | Handing over 210 MLD Bingawan  |
| 17.              | 19-06-2019 | G.M, UPJN | Kanpur | Regarding BEP approval of 130 MLD STP, Jajmau (Electrical comments)                                  |
| 18.              | 19-06-2019 | G.M, UPJN | Kanpur | BEP(R2) approval of 15 MLD & 5MLD STP at Shuklaganj & 30 MLD at Pankha                               |
| 19.              | 20-06-2019 | G.M, UPJN | Kanpur | Action required at GM level  |
| 20.              | 22-06-2019 | G.M, UPJN | Kanpur | Hourly sampling & testing for 10 days Sajari facilities  |
| 21.              | 24-06-2019 | G.M, UPJN | Kanpur | Operation of 42 MLD, Sajari STP requirement of online analysers                                      |
| 22.              | 24-06-2019 | G.M, UPJN | Kanpur | Submission of revised BEP for Shuklaganj & Unnao facilities under HAM                                |
| 23.              | 25-06-2019 | G.M, UPJN | Kanpur | O&M 42 MLD, Sajari facilities  |
| 24.              | 28-06-2019 | G.M, UPJN | Kanpur | Inspection report of 42 MLD Sajari. Inspection done on 27/6/19 for your perusal and necessary action |

## 9 MINUTES OF MEETING

Minutes of meeting dated pertaining to the HAM Kanpur project for Apr-June 2019 have been attached in **Annexure 3**.

## 10 MOBILIZATION PLAN

Mobilization plan for Apr - June 2019 is given below:

### Present

| Name                 | Designation                | Joining Date |
|----------------------|----------------------------|--------------|
| Mr. Shiv Tripathi    | Support Engineer           | 10.04.19     |
| Mr. Satish Kamraju   | Sr. Process Expert         | 04.04.19     |
| Mr. Prasoon Bhardwaj | Sr. Instrumentation Expert | 17.04.19     |
| Mr. Anil Seth        | Sr. Electrical Expert      | 17.04.19     |
| Mr. Sunil Basutkar   | Sr. Mechanical Expert      | 17.04.19     |

### Next Month

| Name               | Designation       | Joining Date |
|--------------------|-------------------|--------------|
| Mr. LK Rao         | Sr. Safety Expert | 19.07.19     |
| Mr. Priyesh Shukla | Support Engineer  | 22.07.19     |

## **ANNEXURES**

## Annexure 1: Pictures of Sajari STP

O&M for 15 years for:

- ❖ 42 MLD ASP based Sajari STP O&M; and
- ❖ Jajmau 43 MLD STP Phase-II.



- Handed Over on 29.05.2019 but schedule handing over date is 11.10.2019
- CTO : Applied but not received

### Annexure 2: Site Visit Photographs



**Bingawan STP visit**



**Bingawan STP visit**



**43 MLD Sajari STP visit**



**43 MLD Sajari STP visit**



**Sajari 42 MLD STP (ASP)**



**130 MLD Jajmau STP**



**130 MLD Jajmau STP**



**Bingawan 210 MLD UASB STP**

## Annexure 3: Minutes of Meeting

MOM: May 2019

Minutes of the Meeting for review of progress of achievement of conditions precedent by the stakeholders of the Kanpur STP projects under HAM on 6<sup>th</sup> May 2019 under the chairmanship of Executive Director(Projects), NMCG.

1. List of participants is enclosed in Annexure 1.
2. ED(Projects) enquired about the action taken on the minutes of the previous meeting held for the purpose on 19<sup>th</sup> March 2019. It was informed that the application for Consent to Establish(CTE)/ Consent to Operate(CTO) are yet to be applied by UP Jal Nigam/ Concessionaire. This will unnecessarily delay the announcement of the effective date and start of the project. This is not acceptable and hence UP Jal Nigam and concessionaire shall take necessary steps to apply for CTO by 8<sup>th</sup> May 2019 and CTE for Unnao, Shuklaganj and Pankha STPs by 13<sup>th</sup> May 2019. Further it may be noted that any slackness in completing the activities hereinafter will be viewed seriously and the responsibilities will be fixed for any further lapses.
3. As far as permission for Railway Crossing/ High way crossing for Pankha STP projects, UP Jal Nigam Informed that request letter has been sent to the concerned authorities. However the Concessionaire has to complete the survey in Pankha and submit the drawings/rout map for the crossing. There is some delay handing over the Pankha STP site to the Concessionaire due to general elections in Kanpur; In view of this ED(Projects) directed that UP Jal Nigam shall handover the site within 3 days and Concessionaire may complete the ongoing survey and submit necessary drawings to UP Jal Nigam by 16<sup>th</sup> May 2019.
4. UP Jal Nigam informed that an IIT Roorkee has demanded Rs 72 Lakhs plus GST for vetting the designs & drawings submitted by the Concessionaire. This has to be compared with the charges paid for other projects. In view of this ED(Projects) directed that UP Jal Nigam may approach IIT Delhi/IIT Kanpur for getting another offer for the same scope of work. The final decision in this regard has to be taken before 13<sup>th</sup> May 2019.
5. The Concessionaire informed that as per the suggestions given by Shah Technical Consultants (STC), the project Engineer, revised BEP for Shuklaganj, Unnao and Jajmau STPs have been submitted on 6<sup>th</sup> May 2019. Project Engineer and UP Jal Nigam informed that a weeks' time will be required to review the revised submissions. Accordingly it was decided to conduct a joint meeting between Project Engineer, Up Jal Nigam and Concessionaire on 13-14<sup>th</sup> May 2019 to finalize the documents and send to IIT for vetting. It was also decided that all drawings, construction plans, ESHS plans etc submitted till date shall be reviewed and discussed in the meeting to be held on 13-14<sup>th</sup> May 2019. Also the O & M Plan submitted by concessionaire for the existing STPs shall also be discussed and finalized in the said meeting.
6. In the case of 210 MLD, UASB STP at Bhingawan the plant is commissioned partially and there are certain works to be completed by the existing contractor. It was also informed by the concessionaire that there could be infusions of industrial waste water during night in the drains there by affecting the performance of the STP. Further the desludging and maintenance of gas holders are to be undertaken before handing over of the plant. UP Jal Nigam informed that the balance works will be completed and the plant will be handed over to the Concessionaire at the earliest. ED(Projects) instructed that Concessionaire may



take up other STPs for O &M at the earliest. Accordingly following schedule has been accepted:

- a. Sajari STP will be handed over by 21<sup>st</sup> May 2019.
  - b. Bhingawan STP will be handed over by 15<sup>th</sup> June 2019.
  - c. Jajmau 43 MLD STP will be handed over by 1<sup>st</sup> October 2019 on completion of existing contract.
7. As per the concession agreement UP Jal Nigam is to provide access road to the STP sites. It was brought to notice that approach roads to Pankha STP project and Unnao STPs may require improvements/development. In view of this ED(Projects) directed UP Jal Nigam to put up a proposal to the State Government and make necessary arrangements for making the approach roads suitable for transportation of machineries and materials during construction on or before effective date or date of start of construction of the STP whichever is later.
  8. Concessionaire informed that Indus Ind Bank has agreed to fund the project and the in principle sanction has already been received. The Draft Financing agreements will be submitted on 16<sup>th</sup> May 2019 for review. ED(Projects) encouraged all concerned parties to complete the conditions precedent at the earliest and declare the effective date on 30<sup>th</sup> May 2019.
  9. Next review meeting will be held on 27<sup>th</sup> May 2019.
  10. The meeting ended with vote of thanks to the chair.

MOM: June 2019

**Minutes of the Meeting for review of progress of achievement of Conditions Precedent by the stakeholders of the Kanpur STP projects under HAM on 4<sup>th</sup> June 2019 under the chairmanship of Shri G. Asok Kumar, Executive Director(Projects), NMCG.**

1. List of participants is enclosed in Annexure 1.
2. As this meeting was follow-up of the review meetings held on 19/3/19 and 6/5/19, the Action Taken Reports (ATR) on the minutes of these meetings were taken up first. It was informed that the application for Consent to Establish (CTE) for STPs at Unnao & Shuklaganj was applied on 10<sup>th</sup> May 2019 and for Pankha STP on 17<sup>th</sup> May 2019. Similarly Consent to Operate (CTO) for 42 MLD STP at Sajari and 210 MLD STP at Bingawan was applied on 14<sup>th</sup> May 2019 and for 130 MLD STP at Jajmau CTP was applied on 13<sup>th</sup> May 2019. UPPCB has already conducted the site visit for Unnao STP and for other sites the visit is still pending. ED (Projects) instructed UPJN/PE to prepare a flow chart of procedures with target dates for obtaining the CTE/CTO.
3. It was informed by M/s Kanpur River Management Limited, the concessionaire that, UPJN has changed the demarcation of the land for 5 MLD Shuklaganj STP due to some encroachments on the site. UPJN informed that the land is government owned and some locals have built 5 houses & are living over there for quite a long time. It may happen that the residents may obstruct the construction of STP if it is not shifted towards the river. As per the revised marking, some portion of the may spillover into the river bed which will be violations of directions of NGT. The original design of the plant will have to be modified. After deliberations, ED (Projects) instructed that UPJN in coordination with the local administration shall remove those encroachments and hand over the site to the concessionaire at the earliest.
4. UPJN informed that the design and drawings for Unnao and Shuklaganj STPs have already been forwarded to IIT Roorkee, for vetting. However IIT is yet to give any comments on the design. It was also brought to notice that UPJN is yet to place a formal order to IIT as per the quote for Rs. 72 Lakhs plus GST given by IIT Roorkee. ED(Projects) instructed UPJN to coordinate with IIT Roorkee to complete the vetting process on or before 15<sup>th</sup> June 2019. Further it was instructed that UPJN, Project Engineer and Concessionaire shall conduct a joint meeting on 10<sup>th</sup> & 11<sup>th</sup> of June 2019 to sort out the issues in Unnao & Shuklaganj STPs and approve the same before 20<sup>th</sup> June 2019 so that they can start work at these places.
5. It was informed that land issue for Pankha is yet to be resolved. KDA has not given NOC for the construction of STP till date. Further there is some agricultural activity in the propose site. Concessionaire informed that they have submitted the final design and drawings with compliance to UPJN on 15<sup>th</sup> May 2019 on which UPJN is yet to respond. ED expressed his dismay over the delay. It appeared that there are communication gaps between UPJN, Concessionaire and the Project Engineer. ED (Projects) instructed that UPJN, Concessionaire and Project Engineer shall sort out all issues related to Pankha project latest by 10<sup>th</sup> June 2019. UPJN shall hand over the site within 5 days and approve the designs & drawings latest by 20<sup>th</sup> June 2019.
6. UPJN informed that existing 42 MLD STP at Sajari has been handed over to the Concessionaire on 28.5.2019. Concessionaire informed that the plant is not meeting the

Inspection Report of 42 MLD Sajari STP inspection done on 27/ 06/ 2019


Visited and inspected 42 MLD Sajari STP site with Mr. Sunil Basutkar Mechanical Expert STC on 27/ 06/ 2019.

Following KRMPPL officials were present at Sajari STP site:

1. Mr. Manobendra Ray Project Manager
2. Mr. Amit Bharamte Manage O & M

Observations:

- It was told that 42 MLD Sajari STP is closed and not in running condition for last 3 days i.e. from 25/06/2019 due to power break down. The KESCO personnel were at work in the Metering Room to rectify the fault but they could not detect the fault till we were there at site.
- The Concessionaire was required to report on any critical breakdowns or failures in the Facilities, within 12 hours of such occurrence to the Jal Nigam with a copy to the Project Engineer as per Article 8.8(b) but the Concessionaire failed to do so.
- The Concessionaire is liable to pay 'Performance Compensation' for non availability of MPS, IPS and STP as per Schedule -7 for this period.
- I was surprised to observe that no 'Power Backup' has been provided at Sajari STP. It was neither brought to notice during joint inspection conducted by the Concessionaire and UPJN nor is mentioned in the "STP Description Overview" of O & M Manual submitted by the Concessionaire.
- It was also told that 42 MLD Sajari STP is running for only 14-16 MLD capacity only. This is also not mentioned in the "STP Description Overview" of O & M Manual submitted by the Concessionaire.
- The KRMPPL officials were asked to provide the list of unit wise staff deployed by the Concessionaire but was not provided.
- The KRMPPL officials were also asked the sample test result sheet for Influent and Effluent from the Date of Hand over of the plant but it was told that being in the computer system cannot be provided due to non availability of the electricity.
- It was observed that proper housekeeping of the buildings and campus is not being done properly. Washrooms are also not cleaned properly.
- The KRMPPL officials were instructed to inform when the Plant is functional again so that inspection can be done again.

  
(J. P. Tripathi)  
O & M Engineer