

Bihar Urban Infrastructure Development Corporation Ltd



Bihar Urban Development Investment Program (BUDIP)

QUARTERLY PROGRESS REPORT-16

FOR THE QUARTER APRIL '17 – JUNE '17

JUNE 2017

| CONTENTS | PAGE |
|--|-------------|
| | |
| Contents | |
| 1 INTRODUCTION | 6 |
| 1.1 Background | 6 |
| 1.2 Scope of the Project | 6 |
| 2 PROJECT PROGRESS | 8 |
| 2.1 Project Performance | 8 |
| 2.1.1 Project Rating | 8 |
| 2.1.2 Physical Progress (BUDIP) | 8 |
| 2.1.3 Contract Awards and Disbursements (Tranche 1) | 8 |
| 2.1.4 ADB Loan Drawdown (\$) | 9 |
| 2.1.5 Government of Bihar Drawdown (\$) | 9 |
| 2.2 Project Impact, Outcome and Outputs | 9 |
| 2.2.1 Impact and Outcome | 9 |
| 2.2.2 Output 1: Water Supply Infrastructure Improved | 9 |
| 2.2.3 Output 2: Sewerage Infrastructure Improved-GWWP (Loan Tranche 2) | 13 |
| 2.2.4 Output 3: O&M of Assets Created Improved | 13 |
| 2.2.5 Output 4: Urban Service Delivery Improved | 13 |
| 2.2.6 Output 5: Project Management and Transparency Improved | 13 |
| 2.2.7 Project Performance Management System (PPMS) | 13 |
| 2.3 Financial Management | 13 |
| 2.3.1 Overview | 13 |
| 2.3.2 Work Progress | 14 |
| 2.3.3 Withdrawal Applications and Disbursements (Tranche 1) | 14 |
| 2.3.4 Accounting and Auditing | 16 |
| 2.4 Procurement and Consulting Services | 16 |
| 2.4.1 Procurement | 16 |
| 2.4.2 Consulting Services | 16 |
| 2.5 Safeguards | 16 |
| 2.5.1 Environmental Safeguards Compliance | 16 |
| 2.5.2 Social Safeguards Compliance | 18 |
| 2.5.3 Safeguards Monitoring Report | 19 |
| 2.6 Gender and Social Dimensions | 19 |
| 3 PROGRESS ON LAST AIDE MEMOIRE WORKPLAN | 21 |
| IN APPENDIX -15. | 21 |
| 4 COVENANT COMPLIANCE | 21 |
| 5 APPENDICES | 21 |
| 5.1 Appendix 1 – Maps | 22 |
| 5.2 Appendix 2 – Project Implementation Schedule | 23 |
| 5.3 Appendix 3- Planned Physical Progress | 32 |
| 5.4 Appendix4- Target and Achievement Progress per Quarter | 32 |
| 5.5 Appendix 5 – Contract Award and Disbursement Graphs | 34 |
| 5.6 Appendix 6 – Progress on Infrastructure Development | 34 |
| 5.7 Appendix 7 - Progress on Utility Reform and Capacity Development | 34 |
| 5.8 Appendix 8 – Implementation Arrangements – Staffing | 36 |
| 5.9 Appendix 9 – Project Performance Management System PPMS | 40 |
| 5.10 Appendix 10 - Procurement Activities | 41 |
| 5.11 Appendix 11 – Consulting Activities | 41 |

| | | |
|------|---|----|
| 5.12 | Appendix 12 – Summary of Semi-Annual Safeguard Monitoring Report | 41 |
| 5.13 | Appendix-13- Implementation of Environmental Safeguards | 43 |
| 5.14 | Appendix 14 – Gender Action Plan (GAP) Monitoring Matrix | 48 |
| 5.15 | Appendix 15 – Status of NOC Bhagalpur Water Supply Project | 53 |
| 5.16 | Appendix 16 – Status of NOC Gaya Water Supply & Waste Water Project | 56 |
| 5.17 | Appendix 17 – Progress on Last Aide Memoire Work Plan, Compliance with Covenant Comp. | 60 |
| 5.18 | Appendix 17B – Status of Time Bound action plan | 66 |

LIST of ABBREVIATIONS:

| | |
|--------|--|
| ADB | Asian Development Bank |
| ADM | Additional District Magistrate |
| AOP | Attorney of Power |
| AP | Affected Persons |
| APD | Additional Program Director |
| APD | Additional Project Director |
| ATL | Additional Team Leader |
| BDO | Block Development Officer |
| BEDCPL | Bhagalpur Electricity Distribution Company Pvt. Ltd. |
| BMC | Bhagalpur Municipal Corporation. |
| BoQ | Bill of Quantity. |
| BPT | Break Pressure Tank |
| BWSP | Bhagalpur Water Supply Project |
| BUIDCo | Bihar Urban Infrastructure Development Corporation. |
| BUDIP | Bihar Urban Development Investment Program. |
| CAPP | Community Awareness & Participation Program. |
| CD | Compact Disk |
| CO | Circle Officer |
| COP | Community Orientation Program |
| CS | Chief Secretary |
| CSC | Customer Service Centre. |
| CWC | Central Water Commission of India. |
| CWPS | Clear Water Pumping Station |
| CWR | Clear Water Reservoir. |
| DBO | Design Build Operate. |
| DCLR | Deputy Collector Land Reform. |
| DFO | District Forest Officer. |
| DM | District Magistrate. |
| DMA | District Metered Area |
| DMC | Darbhanga Municipal Corporation. |
| DPR | Detailed Project Report. |
| DSC | Design and Supervision Consultant. |
| DTL | Deputy Team Leader. |
| d/s | downstream |
| EA | Executing Agency. |
| EE | Executive Engineer. |
| EHS | Environment, Health & Safety. |
| EM | Entitlement Matrix. |
| EPC | Engineering, Procurement, Construction. |
| ERQ | Employers Requirement |
| ESMC | Environment and Social Management Coordinator. |
| FGD | Focus Group Discussion |
| FRA | Forest Regulation Act. |
| GET | Graduate Engineering Trainee. |
| GIS | Geographic Information System. |
| GLSR | Ground Level Service Reservoir. |
| GM | General Manager |
| GMC | Gaya Municipal Corporation. |
| GoB | Government of Bihar |
| Gol | Government of India. |
| GPS | Geographical Positioning System. |
| GWWP | Gaya Wastewater Project. |
| GWSP | Gaya Water Supply Project. |

| | |
|-------|--|
| HP | Horse Power. |
| HR | Human Resource. |
| IPC | Interim Payment Certificate. |
| IPS | Intermediate Pumping Station. |
| IEE | Initial Environmental Examination. |
| IWAI | Inland Waterways Authority of India. |
| Kv | Kilo volt. |
| LOA | Lease of Agreement. |
| MD | Managing Director. |
| MFF | Multi tranche Financing Facility. |
| MGD | Million Gallons per Day. |
| MH | Manhole |
| MIS | Management Information System. |
| MLD | Million Litre per Day. |
| MMC | Muzaffarpur Municipal Corporation. |
| MOEF | Ministry of Environment and Forests Wildlife Division. |
| MPR | Monthly Progress Report. |
| NBWL | National Board of Wildlife. |
| NOC | No Objection Certificate. |
| NIT | Notice Inviting Tender, |
| OHSR | Overhead Service Reservoir. |
| OHT | Overhead Tank. |
| OJT | On the Job Training. |
| O&M | Operation and Maintenance. |
| PAPs | Permanent Affected Persons. |
| PBM | Permanent Bench Mark. |
| PD | Program Director |
| PIRH | PAN India Infraprojects Private Limited –Ranhill Utilities SdnBhd Consortium, Mumbai |
| PIU | Project Implementation Unit. |
| PLT | Plate Load Test |
| PM | Project Manager |
| PMC | Project Management Consultant. |
| PMU | Project Management Unit. |
| PPT | Power Point Presentation. |
| PPTA | Project preparatory Technical Assistance. |
| PR | Public Relation. |
| PRV | Pressure Reducing Valve. |
| PS | Police Station. |
| RCD | Road Construction Department. |
| RL | Reduced Level |
| RoW | Right of Way. |
| RP | Resettlement Plan |
| R&R | Resettlement and Rehabilitation. |
| RWPS | Raw Water Pumping Station. |
| SAR | Subproject Appraisal Report. |
| SCP | Sub-Project Concept Paper. |
| SDO | Sub-Divisional Officer |
| SE | Superintending Engineer. |
| SIP | Service Improvement Plan. |
| SOP | Standard Operating Procedure. |
| SPRSS | Summary Poverty Reduction & Social Strategy. |
| SRs | Service Reservoirs |
| SPT | Standard Penetration Test. |

| | |
|------|---|
| STP | Sewage Treatment Plan. |
| SWM | Storm Water Management. |
| TBM | Temporary Benchmark. |
| ToR | Terms of Reference. |
| TWs | Tube wells. |
| UD | Urban Development. |
| UDHD | Urban Development and Housing Department. |
| WWE | Waste Water Expert. |
| WTP | Water Treatment Plant. |
| WTS | Water Treatment Specialist. |

1 INTRODUCTION

1.1 Background

In 2011 the Government of Bihar (GoB), with support of the Asian Development Bank (ADB), prepared a road map for improved quality of urban life in Bihar, covering 24 urban economic centers and including a wide scope of urban infrastructure such as water supply, sewerage, storm water drainage, solid waste management and urban roads and slum improvements. ADB agreed to co-finance implementation of certain components of the road map in Bihar's largest two towns (other than the state capital Patna), i.e. in Bhagalpur and Gaya.

On 31 January 2012, the Government of India (GoI) and the ADB concluded a framework financing agreement for a multi-tranche financing facility (MFF) for the Bihar Urban Development Investment Program (BUDIP). On 29 March 2012, ADB approved the MFF and on 13 April 2012, it approved the loan for the first tranche under the MFF. On 25 March 2013, The Loan Agreement between GoI and ADB for Tranche 1 of BUDIP (Loan 2861-IND) was signed. The loan became effective on 6 June 2013.

The overall BUDIP undertaking is scheduled over a nine-year period. Loan closing date of loan 2861-IND was 30 June 2017, which has now been extended to 31-12-2021.

The total value of BUDIP is \$286 million. The MFF is for a loan amount not exceeding \$200 million. Loan 2861-IND is for an amount of \$65 million, upon request from GoB & GoI, savings from Tranche 1 of \$ 8 million has been cancelled from Tranche 1 thereby reducing the loan amount to \$ 57 million.

The Program is carried out by the GoB acting through the State's Urban Development and Housing Department (UDHD) and its Bihar Urban Infrastructure Development Corporation Ltd (BUIDCo).

This Quarterly Progress Report (QPR) covers the entire Program. Where relevant, progress of the different tranches is reported on separately as well.

This QPR covers the period from April to June 2017.

1.2 Scope of the Project

Objectives, impact and outcome

The ultimate **objective** of BUDIP is to contribute to the "sustainable economic growth through improved quality of urban life". The investment program will improve and expand the water and sewerage infrastructure in two towns, i.e. in Bhagalpur and Gaya. It will also assist the urban local bodies (ULB) of the towns in bringing about operational discipline and structure, which will ensure sustainable operation and maintenance of the facilities.

The **impact** of BUDIP will be improved access to water supply and sanitation facilities by the urban population of the relatively poor and weak capacity state of Bihar. The expected **outcome** will be access to better quality and sustainable urban water supply and sewerage services for people, especially vulnerable households, in the two towns covered under the program.

Outputs

The original program included activities in four towns: water supply in Bhagalpur, Gaya and Darbhanga and sewerage in Muzaffarpur. In the course of the project, this has been changed into two towns:

- Bhagalpur water supply
- Gaya water supply and wastewater

The five **outputs of the BUDIP** are:

| Output | Description |
|--|---|
| 1. Improved water supply infrastructure in three towns. | To address inadequacy in new investment, as an immediate solution, new raw water intakes, clear water pumping mains, water treatment plants, overhead tanks, distribution networks and water meters will be developed and procured in Bhagalpur and Gaya . |
| 2. Improved sewerage infrastructure in one town. | To address inadequacy in new investment, new house connections, sewer networks, pumping stations, sewage treatment plants, maintenance equipment will be developed and procured in Gaya . |
| 3. O&M of assets created by subprojects improved | To address deficiency in O&M staff number and skills, all major infrastructures will be constructed and operated by DBO contractors, which will field additional O&M staff and provide on-the-job training to ULB staff for at least 5 years. Also, permanent ULB staff under the municipal civil servant system will take technical courses in India to upgrade their qualifications for asset operations. |
| 4. Urban service delivery management improved | To introduce metered user charges, computerized billing and reserve accounts for water supply and sewerage, the program will prepare long-term business plans, user charge plans and proposals for creation of water and sewerage accounts for consideration and adoption by the ULBs. |
| 5. Project management, implementation skills and transparency improved | To enhance the executing agency 's accountability to the financiers and the people of Bihar, and to strengthen the implementing agency 's contract management and subproject formulation, teams of consultants will provide the executing and implementing agencies with support and on-the-job training through day-to-day collaboration. |

Out of the five outputs of the entire BUDIP listed above, the expected outputs of **Tranche 1** are:

- i. Contribution to improved water supply services in Bhagalpur, by implementation of part of the required capital investments.
- ii. Improvement of O&M of assets created in Bhagalpur.
- iii. Improved urban service delivery.
- iv. Improved project management and implementation skills and improved transparency.

2 PROJECT PROGRESS

2.1 Project Performance

2.1.1 Project Rating

There is an ADB system of project categorization, such as "problematic". For BUDIP there is no such rating yet.

2.1.2 Physical Progress (BUDIP)

- Draft Implementation Schedule in **Appendix-2**. Updated and enclosed.
- Physical Progress Sheet in **Appendix -3**—(Target 55%; Achievement 24.68 %)

2.1.3 Contract Awards and Disbursements (Tranche 1)

Summarized contract award and disbursement for the current period and plans for the next quarter is shown in the table below.

Table 1 Contract Awards and Disbursements

| Code | Contract Description | Contract Award (US\$ Millions) | Disbursement (US\$ Millions) |
|---|---|-----------------------------------|---------------------------------|
| Achievement till last Quarter (Up to March'17) | | | |
| BUDIP/PMC/01 | Program Management Consultant. | 7.55 | 2.61 |
| BUDIP/DSC/01 | Design Supervision Consultant. | 6.53 | 2.48 |
| BUDIP/PCSS/03 | Project Management and Implementation | | 0.59 |
| BH/WS/01 | Rehabilitation, Construction, O&M and Management of BWSP1 | 48.30 | 6.05 |
| Total | | 62.38 | 11.73 |
| Current Quarter Achievement (April'17 to June'17) | | | |
| BUDIP/PMC/01 | Project Management Consultant. | 0 | 0.00 |
| BUDIP/DSC/01 | Design Supervision Consultant. | 0 | 0.00 |
| BUDIP/PMU/01 | Project Management and Implementation | 0 | 0.09 |
| BH/WS/01 | Rehabilitation, Construction, O&M and Management of BWSP1 | 0 | 0.35 |
| Total | | 0 | 0.44 |
| Next Quarter Plan (July'17 to Sept'17) | | | |
| BUDIP/PMC/01 | Project Management Consultant. | 0 | 0.13 |
| BUDIP/DSC/01 | Design Supervision Consultant. | 0 | 0.25 |
| BUDIP/PCSS/03 | Project Management and Implementation | 0 | 0.16 |
| BH/WS/01 | Rehabilitation, Construction, O&M and Management of BWSP1 | 0 | 0.37 |
| Total | | 0 | 0.91 |

2.1.4 ADB Loan Drawdown (\$)

Table 2 Loan Drawdown (Tranche 1)

| Cost Category | Allocation | Drawdown up to March -17 Qtr. | Drawdown in Current Quarter | Balance to Complete |
|---------------------------------------|-------------------|-------------------------------|-----------------------------|---------------------|
| Works | 38,175,000 | 4,238,294 | 53,502 | 33,883,204 |
| Skill Upgrading | 11,000 | 0 | 0 | 11,000 |
| Consulting Services | 13,861,000 | 4,342,208 | 78,162 | 9,440,630 |
| Project Management and Implementation | 2,419,000 | 466,734 | 82,863 | 1,869,403 |
| Unallocated | 2,534,000 | 0 | 0 | 2,534,000 |
| Total | 57,000,000 | 9,047,236 | 214,527 | 47,738,237 |

2.1.5 Government of Bihar Drawdown (\$)

Table 3 Government Counterpart Drawdown (Tranche 1)

| Cost Category | Allocation | Drawdown up to March -17 Qtr. | Drawdown in Current Quarter | Balance to Complete |
|---------------------------------------|-------------------|-------------------------------|-----------------------------|---------------------|
| Works | 19,910,000 | 1,752,987 | 102,803 | 18,054,210 |
| Skill Upgrading | 0 | 0 | 0 | 0 |
| Consulting Services | 1,930,000 | 601,638 | 0 | 1,328,362 |
| Project Management and Implementation | 360,000 | 37,871 | 410 | 321,719 |
| Environment and Social Mitigation | 260,000 | 0 | 0 | 260,000 |
| Subproject Lands and Electricity | 3,930,000 | 0 | 0 | 3,930,000 |
| Unallocated | 1,470,000 | 0 | 0 | 1,470,000 |
| Total | 27,860,000 | 2,392,496 | 103,213 | 25,364,291 |

2.2 Project Impact, Outcome and Outputs

2.2.1 Impact and Outcome

The **impact** of BUDIP will be improved access to water supply and sewerage facilities by the urban population of the relatively poor and weak capacity state of Bihar. The expected outcome will be access to better quality and sustainable urban water supply especially vulnerable households, in Bhagalpur and Gaya and Sewerage Services in Gaya.

The impact and outcome will be achieved after successful completion of the various outputs. Please refer to following sections below for the progress of achieving outputs.

2.2.2 Output 1: Water Supply Infrastructure Improved

BUDIP intends improving water supply facilities in Bhagalpur and Gaya.

BHAGALPUR

Bhagalpur Water Supply Project Phase 1 (Loan Tranche 1) (BWSP-1)**Scope of Work – Summary of Main Works (As per Contract)**

| S. No. | Description | Unit | Qty. of Work |
|--------|---|-----------------|--------------|
| 1 | Topographical survey work | Km ² | 33 |
| 2 | Consumer Survey | No. | 60000 |
| 3 | Asset Survey | Km | 150 |
| 4 | Civil Work for WTP Refurbishment | Job | 1 |
| 5 | Rehabilitation of Barari Works – Process Components | Job | 1 |
| 6 | Rehabilitation of Barari Works – Electrical, Mechanical & Instrumentation | Job | 1 |
| 7 | Providing Distribution Net Works including Road Cutting & Restoration Work. | KM | 326 |
| 8 | House Service Connection | No. | 55000 |
| 9 | Establishment of Call Centre including construction | No. | 1 |
| 10 | Repairing and Commissioning Existing Call Centre | No. | 2 |
| 11 | Supply of Equipment | Lot | 1 |
| 12 | Construction of New OHSRs | No. | 16 |
| 13 | Refurbishment of Old OHT | No. | 1 |
| 14 | Provision and implementation of IT for O & M + Billing | No. | 1 |
| 15 | Operation and Maintenance Work | Year | 7.5 |

Scope of Work – Summary of Main Works (As per SIP)

| S. No. | Description | Unit | Qty. of Work |
|--------|---|-----------------|--------------|
| 1 | Topographical survey work | Km ² | 26.12 |
| 2 | Consumer Survey | No. | 83844 |
| 3 | Civil Work for WTP Refurbishment | Job | 1 |
| 4 | Rehabilitation of Barari Works – Process Components | Job | 1 |
| 5 | Rehabilitation of Barari Works – Electrical, Mechanical & Instrumentation | Job | 1 |
| 6 | Providing Distribution Net Works including Road Cutting & Restoration Work. | KM | 460 |
| 7 | House Service Connection | No. | 68000 |
| 8 | Establishment of Call Centre including construction | No. | 1 |
| 9 | Repairing and Commissioning Existing Call Centre | No. | 2 |
| 10 | Supply of Equipment | Lot | 1 |
| 11 | Construction of New OHSRs | No. | 19 |
| 12 | Refurbishment of Old OHT | No. | 4 |
| 13 | Provision and implementation of IT for O & M + Billing | No. | 1 |
| 14 | Operation and Maintenance Work | Year | 7.5 |

Appendix 3 holds the project monitoring sheets for all packages including Bhagalpur Water Supply Project Phase 1 (BWSP1). Relevant key issues are elaborated hereunder.

Technical Status

- The Contract with M/S Pan India & Ranhill Pvt. Ltd. Consortium, Mumbai was signed on 11 July 2014 for Rs289.80 Crores. The key Contract dates are as below: -

| Sr. No. | Milestones | Target Dates | Actual Date | Remarks |
|---------|---------------------------------------|--------------|-------------|-------------------------|
| 1. | Contract date | | 11.07.2014 | |
| 2. | Date of Commencement | 01.10.2014 | 01.10.2014 | |
| 3. | Initial Takeover date | 01.04.2015 | 01.07.2015 | |
| 4. | Development Commencement Date | 01.10.2015 | 06.02.2016 | Date of approval of SIP |
| 5. | Scheduled Development Completion Date | 31.03.2019 | | 42 months. |
| 6. | Operation service completion | 30.09.2022 | | 96 moths |
| 7. | Approval of SIP Part A | 30.03.2015 | 19.11.15 | Approved |
| 8. | SIP Part 2 (Works) | 30.09.2015 | 06.02.16 | Approved |
| 9. | Contract completion date | 30.09.2022 | | 96 months |

Bhagalpur Water Supply Project Phase 2 (BWSP-2)

Scope

- The construction of Twin D-type new intake in Ganges River (140 MLD);
- The construction of a new Water Treatment Plant of 90 MLD capacity
- Construction of the required pumping installations (6 noz. Raw water pumps, 13 noz. Clear water pumps) & laying 28.7 km of new transmission mains.
- SCADA Works
- 9.1 ML clear water reservoir
- Operation of the entire new system for about **10 years**
- Estimated value – **Rs. 253.57 Crore**

Relevant key issues are elaborated hereunder.

Technical Status

- DPR prepared, approved & sent to ADB. Technical approval accorded. Administrative Approval is under process. Revised estimate with 10 yrs. for O&M period prepared & submitted to BUIDCo of Rs. 253.57 Cr.
- Environment Categorization form along with Rapid Environment Assessment (REA) checklist & the Bio diversity report sent to ADB. ADB finalized the Project as category 'B' on 24/02/17.

GAYA WATER SUPPLY PROJECT (LOAN TRANCHE 2)

- Gaya Water Supply Project has been divided in 2 Packages.

GWSP

| | GWSP-1 | GWSP-2 |
|-------|--|--|
| Scope | <ul style="list-style-type: none"> • Refurbishment of 29 Nos of Existing Tube wells, pumps and all accessories with 68 MLD capacity • Construction of 6 OHT and 3 GLSR • Renovation of Existing GLSRS 7 Nos ESR 1 No • Laying of 447 KM Distribution System in 30 DMAs & House service Connection 75000 Nos. • Proposed Rising main 17.50 KM • Existing Rising main 7.2 KM • SCADA • Operation and maintenance of the Existing and proposed system | <ul style="list-style-type: none"> • Construction of new Tube Wells -24 Nos.with 58 MLD combined capacity • Clear water Reservoir – 4 ML -1 No. • Clear water pump house - 1 No • Electro Mechanical items i.e. Pumps, Transformers, starters etc., • Construction of ESR at Shringsthan 1 No – 3.50 ML • Rising main – 17 KM • Operator office at Dandibagh – 400 Sqm. • Operation and maintenance of the proposed system |

GWSP1

- DPR finalized, Estimated amount Rs. 311.30 Crore.
- Bidding Documents approved by ADB and administrative approval (AA) accorded by GoB on 23 Feb 2016.
- Earlier NIT No BUIDCo/PMU (ADB Project) Yo-85/15-01, Date -17thMarch 2016 and tender floated in Newspaper on 18th March 2016 with bid no as BUIDCo/BUDIP-2/ICB/01.
- Pre Bid meeting held on 26th April 2016 and Site visit for the bidders was conducted on 27th April 2016. Bid submission date extended from 25th May 2016 to 22 June 2016.
- Opening of Technical Bid: 22th June 2016 at 15:30 Hrs. No Bid received even after extension of submission date. Matter referred to ADB by APD PMU on 31-08-16 (email) for obtaining NoC for retendering.
- Revised Bid document sent to ADB on 31-08-16. NOC for rebidding accorded by ADB on 19.09.2016 with certain comments to be incorporated in the Bid Document., Bid document has been revised accordingly. PMU floated the NIT with proposed date of submission of bids as **05 .12.2016**. Pre bid meeting held on 15.11.2016 and site visit for the bidders was conducted on 16.11.2016. Pre bid queries replies finalized & disclosed on BUIDCO Website. Date of submission of bid extended to 30-01-2017. Two bids received and Technical bids opened on 30/01/2017.
- TBER prepared and sent to ADB for NOC on 15/03/2017, NOC received from ADB on 7 April 2017.
- Price Bids opened on dated 29th April, 2017 of one responsive bidder. Price Bid evaluation is in process and is being sent to ADB.

GWSP2

- DPR finalized, Estimated amount Rs. **64.91** Crore.
- Bid document prepared. No objection from ADB received.
- Administrative approval (AA) accorded by GoB on 23 Feb 2016.
- BID No. BUIDCo/BUDIP-2/NCB/01
- Tender floated in Newspaper on 6th May 2016.
- NIT No BUIDCo/PMU (ADB Project) Yo-71/15-02, Date -5th May 2016.
- Pre Bid meeting with bidders held at 11:00Hrs on 26th May 2016 in the Housing Board Conference Room.
- Site visit to the bidders conducted on 27th May 2016.
- Bid submission on or before 15:00 Hrs. on 15th June 2016. Extended to 05 July 2016.
- Opening of Technical Bid: **05th July 2016** at 15:30 Hrs.
- Single bid received. Technical bid opened. Technical Bid Evaluation Report (TBER) sent to ADB through email on 24-08-16 by PMU. Approval from ADB received on **07-09-2016**. GOB has amended the rules for permitting the consideration of single bid in case of externally aided programs eg. ADB, world Bank etc. Accordingly, the price bid opened on 30-11-16. Price Bid Evaluation Report (PBER) finalized & sent to ADB for their NOC.
- NOC received from ADB on dated 18/01/2017.
- LOA issued on 10 Feb'2017.

- The Contractor has submitted Performance Bank Guarantee on 27.04.17 (verified by bank on 15.5.17).
- Contract Agreement to be signed in the first week July'2017.

2.2.3 Output 2: Sewerage Infrastructure Improved-GWWP (Loan Tranche 3)

GWWP-1

- Sewerage Net Work -319 Km in 9 Sewerage Zones (Diameter ranging from 200 mm to 1800 mm)
- Rising Main -15.08 Km. DI K – 9 pipe (Diameter ranging from 350 mm to 1000 mm)
- Intermediate Pumping Station (IPS) – 8Nos.
- Main Pumping Station (MPS) 90 MLD-1 No.
- Sewerage Treatment Plan (STP) 30 MLD-SBR Technology – 1 No.
- Land for the proposed Pumping Stations identified.
- DPR prepared. Estimated amount **Rs390.24Cr.**
- Administrative approval is under process with the Govt. of Bihar.
- Bid Document prepared and sent to ADB for NOC.
- No objection from ADB received. NIT to be floated after obtaining Administrative Approval (AA) from GOB.

GWWP-2

- Total length covered 125 Km approx. in 7 Sewerage Zones.
- Intermediate Pumping Stations: 7 Nos. approx.
- 10 MLD SBR technology
- DPR is under preparation and it is to be delayed. Tentative locations of STP & Seven pumping stations identified. Land availability & land records for NOC being collected.

Note: - All these above quantities are tentative and liable to change after detailed design.

2.2.4 Output 3: O&M of Assets Created Improved

The DBO contract in Bhagalpur (Tranche 1), includes a large capacity building component on technical, financial and administrative operations. The initial taking over of the existing assets was 01-April-15 as per contract, but it was delayed & the assets have been taken over on 1st July 2015 and the contractor is maintaining the Water Supply of the Town, since then.

2.2.5 Output 4: Urban Service Delivery Improved

Preparatory activities in Bhagalpur have started, such as training on utility accounting, water tariff studies and drafting of water utility policies.

2.2.6 Output 5: Project Management and Transparency Improved

The BUDIP's organization structure for the Executing Agency (EA) and Implementing Agency (IA) is being strengthened.

- BUDIP Steering Committee -1st meeting has been held on 17 Nov-2014. II meeting proposed in July '17.
- BUDIP website-. BUIDCo has provided a separate Link as ADB, flow chart of document to be uploaded on website prepared and submitted for uploading on the web portal.

2.2.7 Project Performance Management System

A Project Performance Monitoring System (PPMS) outlines a systematic way of monitoring implementation of the Program.

Please refer to Appendix 2, 3, 9 & 10 for Project Performance Management System

- Draft Implementation Schedule in Appendix-2
- Physical sheet in Appendix-3
- Project Performance Management System PPMS –Appendix 9
- Procurement Activities –Appendix 10.

2.3 Financial Management

2.3.1 Overview

- GoB through the PMU maintains records and accounts adequate to identify goods, works and services financed from the loan proceeds. GoB ensures that each PIU maintains adequate records and accounts for the Program. PMU will maintain separate accounts for the Program and ensure that accounts and financial statements are audited annually by auditors acceptable to ADB.

- The Auditor's report and copies of the certified accounts and related financial statements, including the Auditor's opinion on the use of loan proceeds, compliance with loan assurances, and use of the Imprest Account along with ADB's Statement of Expenditures (SoEs) procedure, are being submitted to ADB after the close of GoB's fiscal year. (Financial Year).
- The PMU and PIU staff are being trained in the day to day maintenance, recording and monitoring of the project related financial transactions vis-à-vis the budgeted requirements and through the appropriate software, maintaining the necessary internal controls.

2.3.2 Work Progress

The various activities undertaken during the Quarter of reporting are as follows:

- The monthly invoices of PMC for the month of March to May-17 & DSC for the month of March & April-17 for the Local Currency claims were verified for submission to PMU for disbursement;
- The SoEs for the above were prepared and the same along with the claimed invoices were discussed with FO/PMU and finalized for payment;
- The project accounts were updated in the Tally ERP9 on the basis of current transactions;
- Provided Support to PMU and UDHD on the financial matters as and when required, during the month;
- Prepared Bank Reconciliation Statement;
- Prepared Utilization report for the PMU fund balance;
- Prepare replenishment claim for SGIA in r/o payment made by PMU till date.
- Reviewed and verification of project disbursement effected till date, including reconciliation of claim figures with the books.
- Worked on finalizing the books of accounts for the financial year FY 2016-17
- Provided financial inputs in preparation of MPR for the month of March-17 to May-17
- Provided EAP data for the month of March-17 to May-17
- Updated Cheque Issue register and fund flow for the transactions during the month was updated;

2.3.3 Withdrawal Applications and Disbursements (Tranche 1)

Table 4 List of Withdrawal Application disbursed from BUDIP

| Sl. No. | WA No. | Date | Claim Particulars | Currency | Amount |
|---------|--------|------------|---|----------|-------------|
| 1 | WA-1 | 23-10-2013 | PMC International Mobilization Advance | EUR | 1,17,545 |
| 2 | RP-1 | 22-11-2013 | BUDIP Imprest Advance | USD | 27,20,000 |
| 3 | WA-3 | 25-11-2013 | DSC International Mobilization Advance | USD | 17,753 |
| 4 | WA-2 | 25-11-2013 | DSC National Mobilization Advance | INR | 272,65,816 |
| 5 | WA-4 | 28-11-2013 | PMC National Mobilization Advance | INR | 262,40,252 |
| 6 | RP-2 | 24-10-2014 | DSC International Monthly payment from August 13 to April 14 | USD | 1,06,247 |
| 7 | RP-4 | 24-10-2014 | PMC International Monthly payment from August 13 to April 14 | EUR | 1,40,085 |
| 8 | RP-3 | 24-10-2014 | PMC & DSC National Monthly payment July 13 to April 14 and PMU Incremental Exp. up to July 14 | INR | 208,92,502 |
| 9 | RP-5 | 12-12-2014 | Contractor 1 st Mobilization Advance | INR | 1028,71,250 |
| 10 | RP-6 | 18-12-2014 | DSC International Monthly payment from May 14 to Aug-14 | USD | 49,000 |
| 11 | RP-7 | 18-12-2014 | PMC International Monthly payment from May 14 to Sept 14 | EUR | 83,533 |
| 12 | RP-8 | 18-12-2014 | PMC National Monthly payment from May 14 to Sept-14 & DSC from May 14 Aug 14 and PMU Incremental Exp. Up to Nov 14 | INR | 170,26,343 |
| 13 | RP-10 | 27-06-2015 | PMC International Monthly payment from Oct 15 to March 15 | EUR | 1,02,890 |
| 14 | RP-9 | 27-06-2015 | PMC from Oct 14 to Mar 15& DSC from Sept 14 to Feb 15 National Monthly payment and PMU Incremental Exp. Up to 13 th Apr 15 | INR | 375,39,335 |
| 15 | RP-11 | 17-12-2015 | PMC for Apr 15 & DSC from Mar 15 to July 15 National Monthly payment and PMU Incremental Exp. Up to Nov 15 | INR | 267,34,917 |
| 16 | RP-11 | 18-12-2015 | PMC from May 15 to Oct 15& DSC from Aug 15 to Sept 15 National Monthly payment. | INR | 207,10,619 |

| | | | | | |
|----|-------|------------|---|-----|-------------|
| 17 | RP-12 | 29-02-2016 | Contractor 2 nd Mobilization Advance | INR | 1028,71,250 |
| 18 | RP-13 | 10-06-2016 | PMC from Nov 15 to Mar 16, DSC from Oct 15 to Feb 16 & Contractor from July 15 to Feb 16 National Monthly payment and PMU Incremental Exp. Up to July 16 | INR | 550,50,646 |
| 19 | RP-14 | 10-06-2016 | PMC International Monthly payment from Apr 15 to Dec 15 | EUR | 1,23,550 |
| 20 | RP-15 | 13-12-2016 | PMC from Apr 16 to Jun 16, DSC from Mar 16 to Jun 16 & Contractor from Mar 16 to July 16 National Monthly payment up to and PMU Incremental Exp. Up to Nov 16 | INR | 319,06,220 |
| 21 | RP-16 | 21-12-2016 | PMC from Jul 16 to Nov 16, DSC from July 16 to Oct 16 & Contractor from Aug 16 to Oct 16 National Monthly payment | INR | 214,36,977 |
| 22 | RP-17 | 31-03-2017 | PMC from Dec-16 & Jan-17, DSC from Nov-16 to Jan-17 & Contractor from Nov-16 and PMU up to Feb-17. | INR | 12,871,621 |
| 23 | RP-18 | | Contractor Monthly RA bill up to January-2017 | INR | 14,918,167 |

Table 5 List of Amounts Disbursed by BUIDCo from own / Imprest Fund
(For reimbursement / liquidation later)

| Sl. No. | Claim Particulars | Amt. (Rs.) | Amt. US\$ (@ Rs. 60/-) |
|---------|---|-------------------|------------------------|
| 1 | DSC International Invoice Payment with TDS | 1,092,997 | 18,217 |
| 2 | DSC National Invoice Payment with TDS | 1,842,229 | 30,704 |
| 3 | PMC International Payment Prev. Mob Adv. | 787,094 | 13,118 |
| 4 | PMC International Invoice Payment with TDS | 705,462 | 11,758 |
| 5 | PMU Retro Expense to be claimed | 70,884 | 1,181 |
| 6 | PMU expenses paid till date to be claimed | 4,893,486 | 81,558 |
| 7 | PMC National Invoice Payment with TDS | 187,619 | 3,127 |
| 8 | Pan India Infraprojects Pvt Ltd. Ranhill Utilities Sdn-Bhd Consortium | 15,101,384 | 251,690 |
| | Total | 24,681,155 | 411,353 |

Table 6 List of Amounts disbursed against Counterpart Funds

| Sl No. | Date | Claim Particulars | Amt. (Rs.) | Amt. \$ (@ Rs. 60/-) |
|--------|------------|---|------------------|----------------------|
| 1 | 08-04-2017 | Service Tax paid against Satyam travel bill for the month of Jan-17 | 4,329 | 72 |
| 2 | 02-04-2017 | Pan India Infraprojects Pvt Ltd. Ranhill Utilities SdnBhd Consortium | 3,324,868 | 55,415 |
| 3 | | Bank Charges | 844 | 14 |
| 4 | 25-05-2017 | Being amount paid against Satyam Tour & Travels | 15,542 | 259 |
| 5 | 16-05-2017 | Being service Tax paid against Travel bill of Gunjan Travel for the month of Dec-16 to Feb-17 | 3,900 | 65 |
| 6 | 25-05-2017 | Pan India Infraprojects Pvt Ltd.Ranhill Utilities SdnBhd Consortium | 2,843,303 | 47,388 |
| | | TOTAL | 6,192,786 | 103,213 |

Table 7 List of Amounts disbursed out of Imprest Fund

| Sl. No. | Claim Particulars | Amt. (Rs.) | Amt. \$ (@ Rs. 60/-) |
|--------------|--|--------------------|-------------------------|
| 1 | Project Management Consultant up to July-2016 | 134,728,645 | 2,245,477 |
| 2 | Design Supervision Consultant up to July-2016 | 130,493,595 | 2,174,893 |
| 3 | Project Management Unit up to August-2016 | 32,975,761 | 549,596 |
| 4 | Pan India Infraprojects Pvt. Ltd. Ranhill Utilities SdnBhd Consortium 10% Mobilization Advance | 205,742,500 | 3,429,042 |
| 5 | Pan India Infraprojects Pvt. Ltd. Ranhill Utilities SdnBhd Consortium RA bill | 51,765,293 | 862,755 |
| TOTAL | | 555,705,794 | 9,261,763 |

2.3.4 Accounting and Auditing

Three separate bank Accounts, including SGIA have been opened with Allahabad Bank, Patna Main Branch. Were duly updated and reconciled as of date. The various accounting transactions till date have also been updated in the “Tally ERP 9” accounting module on accrual based DEAS.

2.4 Procurement and Consulting Services**2.4.1 Procurement**

One DBO contract (BWSP1) has been awarded. LoA was issued on 04.03.2014. The Contract was signed on 11-07-2014. NTP issued to the contractor on 11-08-2014. The date of commencement was fixed as 01-10-2014. The initial taking over of the existing assets was proposed as 01-April-15, but finally it was taken over on 01st July 2015. Development Commencement which was 01-Oct-15 is now fixed as 06-02-2016, the date of approval of SIP.

2.4.2 Consulting Services

Two contracts for consultancy services have been made. Both are being executed.

| | Contract date | Date of Mobilization | Duration |
|---|---------------|----------------------|-------------------------|
| Program Management Consultant - PMC | 17 April 2013 | 01 August 2013 | 108 months (9 years) |
| Design and Supervision Consultant - DSC | 17 April 2013 | 17 July 2013 | 108 months (9 years) |

2.5 Safeguards**2.5.1 Environmental Safeguards Compliance**

Key issues related to environmental examinations, status of environmental assessment and review framework updates and status of IEE preparation and environmental management plan implementation is summarized below.

For Tranche 01:**BWSP1**

- Semi-annual Environment Safeguard Monitoring Report (July-Dec 2016) disclosed on ADB website. SEMR for January to June 2017 to be submitted shortly
- Meeting with Director Ecology on 12.04.2017 for BWSP-1 regarding NOC
- BWSP-1 site visit conducted on 20.04.2017 & 21.04.2017 with PMU for environmental safeguards monitoring at pipe laying area, OHT sites and WTP
- Site visit report BWSP-1 sent to PMU on 03.05.2017
- Bhagalpur Site visit from 25th to 27th April 2017 with ADB team and discussion on all environmental Safeguard issues
- Meeting at BUIDCO office with ADB Environmental Specialist, on 27th April and discussed all safety issues and final clearances of VGDS under BWSP-1

- Meeting with ADB Environmental Specialist on 28th April 2017 in PMU office and discussed all Environmental safeguard issues under BWSP-1
- NOC received on 30.05.2017 from APCCF Cum Chief wild Life Warden Bihar for emergency work in the ESZ of VGDS under BWSP-1
- Letter sent to APD PMU for Water quality testing frequencies under BWSP-1.
- Draft IEE BWSP-1 to be submit to ADB as per comments given under Aid Memoire
- Attended meeting in BUIDCo Office on 03.06.2017 for review & progress of BWSP-1
- Site Visit Bhagalpur (BWSP-1) on 05.06.2017 to 07.06.2017 for Environment safeguard monitoring and consultations near pipe laying area.
- Site visit report BWSP-1 sent to PMU on 21.06.2017
- Review statement on environment monitoring report May 2017 submitted to PMU on 23.06.2017
- BWSP-1 site visit with Audit body and collection of secondary data as per requirement of Semi-annual report (Jan to June 2017)
- Meeting with MD BUIDCO with Audit team on 21.06.2017 and discussion on sludge disposal land pending for long time
- Letter sent to PMU on 22.06.2017 for the mechanism taken by the contractor for sludge disposal.

For Tranche 02:

Environmental Assessment and Review Framework (EARF) for trench 2 has been submitted to ADB on 28thMarch'2017. Again revised and sent to PMU on 20.06.2017.

BWSP2

- Comments given on bid document BWSP-2 on 03.05.2017
- ADBs Comments received on 05.05.2017 and IEE BWSP-2 format changed as per ADBs (Ms. Ninette) comments
- Draft IEE BWSP-1 as per ADBs format submitted to APD on 31.05.2017
- IEE BWSP-2 revised and sent to PMU on 21.06.2017
- Attended Meeting in PMU office on 12.04.2017 for Environment requirements in Bid document under BWSP-2

GAYA**GWSP1**

- IEE report finalized and attached with Bid Document.
- GWSP-1 IEE revised and sent to PMU on 20.06.2017
- Conditional NOC from State forest department for construction of GLSR at Ramshilla Hill and Brahamayoni hill- received.
- NOC received from Archeological Dept. to do construction work near Vishnupad Temple and within Ramshilla Hill & Brahamayoni Hill Areas. These are state archeological dept. protected area

GWSP2

- IEE report finalized and attached with Bid Document.
- IEE GWSP-2 revised and sent to PMU on 21.06.2017

GWWP

- Revised IEE with comments reply matrix sent to APD on 03.08.2016 for onward submission to ADB. PMU sent revised IEE report to ADB on 02.09.2016

2.5.2**Social Safeguards Compliance**

The documentation and activities undertaken in compliance with the ADB social safeguards policy are mentioned below:

BUDIP

- The draft final Resettlement Framework (RF) for BUDIP was revised to account for the changes brought about by New Land Acquisition Act 2013. Following the receipt of comments and suggestions from PMU, the draft final RF was further improvised and submitted to PMU and ADB for final review and approval.

BHAGALPUR**BWSP1**

- Under BUDIP, community-managed taps is promoted. The taps are to be shared by a limited number of designated households and the users share the responsibility for their upkeep, cost and management. A concept note has been prepared.
- Detailed Measurement Surveys (DMS) were conducted for 3 OHSR sites and 50 kms. Of distribution mains alignments. Permanent IR impacts (relocation impact-1 household, and Cattle shed-1) were identified at Barari OHSR site. No temporary impact has been identified.
- Identity cards were issued to the 02 Affected Families and APs were compensated.
- Final RP for 03 OHSR & 50 km pipeline of the civil implementation work has been prepared and submitted to ADB.
- Only male labourers are working under O&M work. The Contractor during site visit was advised to engage women labourers also wherever feasible.
- Consultations were organized alongside the distribution pipeline alignments , near OHSR sites and pump houses in Adampur, Thakur Bari, TNB University, Barari, Surkhikal, Adampur, Brahpura, Bazar Samiti, IshakChak, TMU OHSR route, HarijanTola, Sahib Ganj Vegetable market, Sarai, Lajpat Nagar and , Sachitan and Nagar and Ambedkar Nagar Pump House. Relevant information pertaining to BWSP-1 project benefits and temporary inconvenience of the subproject etc. was disseminated Information on project benefits of BWSP-1 on health, gender, socio economic and environment etc. was also disseminated. (Total No. of Participants – 155, Male- 85, Female- 70). **Please refer to section 5.7.5 for details.**
- PRO, Safety Officer and PIRH team constituted for undertaking DMS survey in the designated areas were oriented on gender sensitiveness and aspects of Social safeguards to be kept during the survey
- Grievance redress format has been translated in Urdu language and kept at Customer Service Center at Bhagalpur Municipal Corporation Bhagalpur for registering the complaint
- Videography of distribution pipe line alignments alongside the approved L section passing through concerned DMAs and OHSRs in Adampur, Brahpura, Bazar Samiti and Surkhikal was undertaken
- A draft for Radio Talk, Awareness Raising Slogans on Water Conservation etc. has been prepared and submitted to PMU for approval.

BWSP 2

- RP prepared by ADB Consultant (Ms Saswati) and submitted to ADB.

GAYA

GWSP1

- RP finalized and enclosed with Bid Document.

GWSP 2

- RP finalized & included in Bid Document.

GWWP1

- There is no IR issue at selected land of STP
A socio economic survey and consultation meeting was held on reroute of trunk main alignment from village to Kandi STP location, the findings are as under –
- There is a patch of about 100 meters which is a congested road towards village and a business area, since pipeline to be laid in the middle of the roads, and 24 shopkeepers engaged in business will be temporary affected, the socio economic details were collected for Resettlement Report.

GWWP2

- The visit to newly identified 3 STP location for Gaya Sewerage project, phase II were visited and one site was selected where no IR issues exists.

2.5.3 Safeguards Monitoring Report**Environmental:**

A summary of the semi-annual Environment Safeguards Monitoring Report (SEMR) is presented in Appendix 12. The 7th SSMR for the period July to December 2016 has been disclosed on ADB website. 8th SEMR for the period Jan to June 2017 to be submitted to ADB.

Social:

The summary of the semi-annual Social Safeguards Monitoring Report is presented in Appendix 12. The 7th SSMR for the period July to December 2016 has been disclosed on ADB website. 8th SSMR for the period Jan to June 2017 to be submitted to ADB.

Grievance Redressed Mechanism

Grievance Redressed Mechanism (GRM) committee has been set up vide Principal Secretary UDHD, Govt. of Bihar circular no 1615 dated 27.05.2015 for BUDIP.

2.6 Gender and Social Dimensions

The Gender Action Plan under BUDIP has been prepared in congruence with (i) ADB Gender and Development Policy, 1998; (ii) Implementation Review of the Policy on Gender and Development, ADB 2006; (iii) Briefing Note, Project Gender Action Plan, ADB 2009; and (iv) BUDIP Gender Action Plan, 2011.

Gender Action Plans (GAP) for BWSP2 and GWSP1 were thoroughly revised and submitted to PMU / BUIDCo for review and approval. A copy of the same was submitted to ADB for review and approval.

Please refer to Appendix 14 –Gender Action Plan (GAP) Monitoring Matrix.

Below is given the gist of outputs which are likely to accrue to project beneficiaries especially their women.

| S No | Objectives | Outputs |
|------|--|---|
| 1 | Increased awareness about project impacts of the project | Accountable awareness generated about the benefits that helped the target population especially women to leverage them. |
| 2 | Increased participation in project activities | 1. During implementation: the PSP participatory process 2. During operation: more women in the water utility service |
| 3 | Equitable access to project facilities and resources | Adjusted water tariffs for vulnerable customers and women headed households. |
| 4 | Practical benefits related to livelihoods | 1. Job opportunities for (unskilled) women (and men) during construction 2. Skill building training facility for eligible men and women 3. Opportunity for men and women to leverage benefits from government welfare schemes and programs. |
| 5 | Progress towards gender equality | 1. Opportunity for women empowered in terms of their improved health status, reduced drudgery and other reduced constraints used their saved leisure time for productive purposes. |

| | | |
|--|--|--|
| | | <ol style="list-style-type: none">2. Opportunity for women to receive equal wage for equal works.3. Opportunity for women and other socially vulnerable groups to seek employment in the project-related works.4. Opportunity for girls to attend to school education. |
|--|--|--|

2.7 Institutional & Utility Reforms

Drafted the Terms of Reforms (TOR) for engagement of institutional consultancy under tranche 02.

3 PROGRESS ON LAST AIDE MEMOIRE WORKPLAN

In Appendix-17

4 COVENANT COMPLIANCE

Please refer to Appendix 18

5 APPENDICES

| | | |
|------|---|----|
| 5.1 | Appendix 1 – Maps | 22 |
| 5.2 | Appendix 2 – Project Implementation Schedule | 23 |
| 5.3 | Appendix 3- Planned Physical Progress | 32 |
| 5.4 | Appendix4- Target and Achievement Progress per Quarter | 33 |
| 5.5 | Appendix 5 – Contract Award and Disbursement Graphs | 34 |
| 5.6 | Appendix 6 – Progress on Infrastructure Development | 34 |
| 5.7 | Appendix 7 - Progress on Utility Reform and Capacity Development | 34 |
| 5.8 | Appendix 8 – Implementation Arrangements – Staffing | 36 |
| 5.9 | Appendix 9 – Project Performance Management System PPMS | 40 |
| 5.10 | Appendix 10 - Procurement Activities | 41 |
| 5.11 | Appendix 11 – Consulting Activities | 41 |
| 5.12 | Appendix 12 – Summary of Semi-Annual Safeguard Monitoring Report | 41 |
| 5.13 | Appendix-13- Implementation of Environmental Safeguards | 43 |
| 5.14 | Appendix 14 – Gender Action Plan (GAP) Monitoring Matrix | 48 |
| 5.15 | Appendix 15 – Status of NOC Bhagalpur Water Supply Project | 53 |
| 5.16 | Appendix 16 – Status of NOC Gaya Water Supply & Waste Water Project | 56 |
| 5.17 | Appendix 17 – Progress on Last Aide Memoire Work Plan, Compliance with Covenant Comp. | 60 |
| 5.18 | Appendix 17B – Status of Time Bound action plan | 66 |

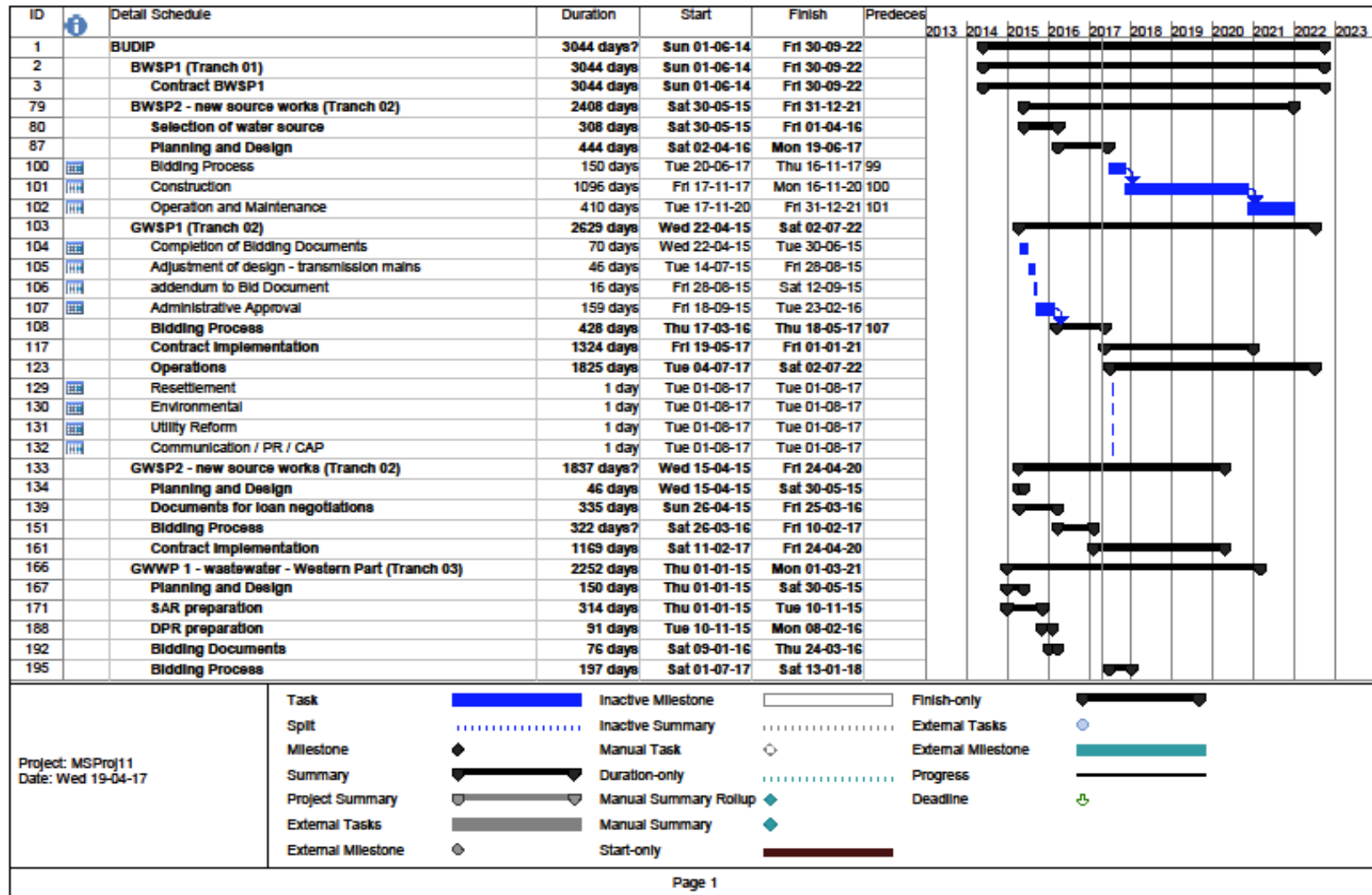
5.1 Appendix 1 – Maps

Location of the two towns in the program



5.2 Appendix 2 – Project Implementation Schedule

2.1 Overall 9-year BUDIP implementation schedule(Draft) – summary

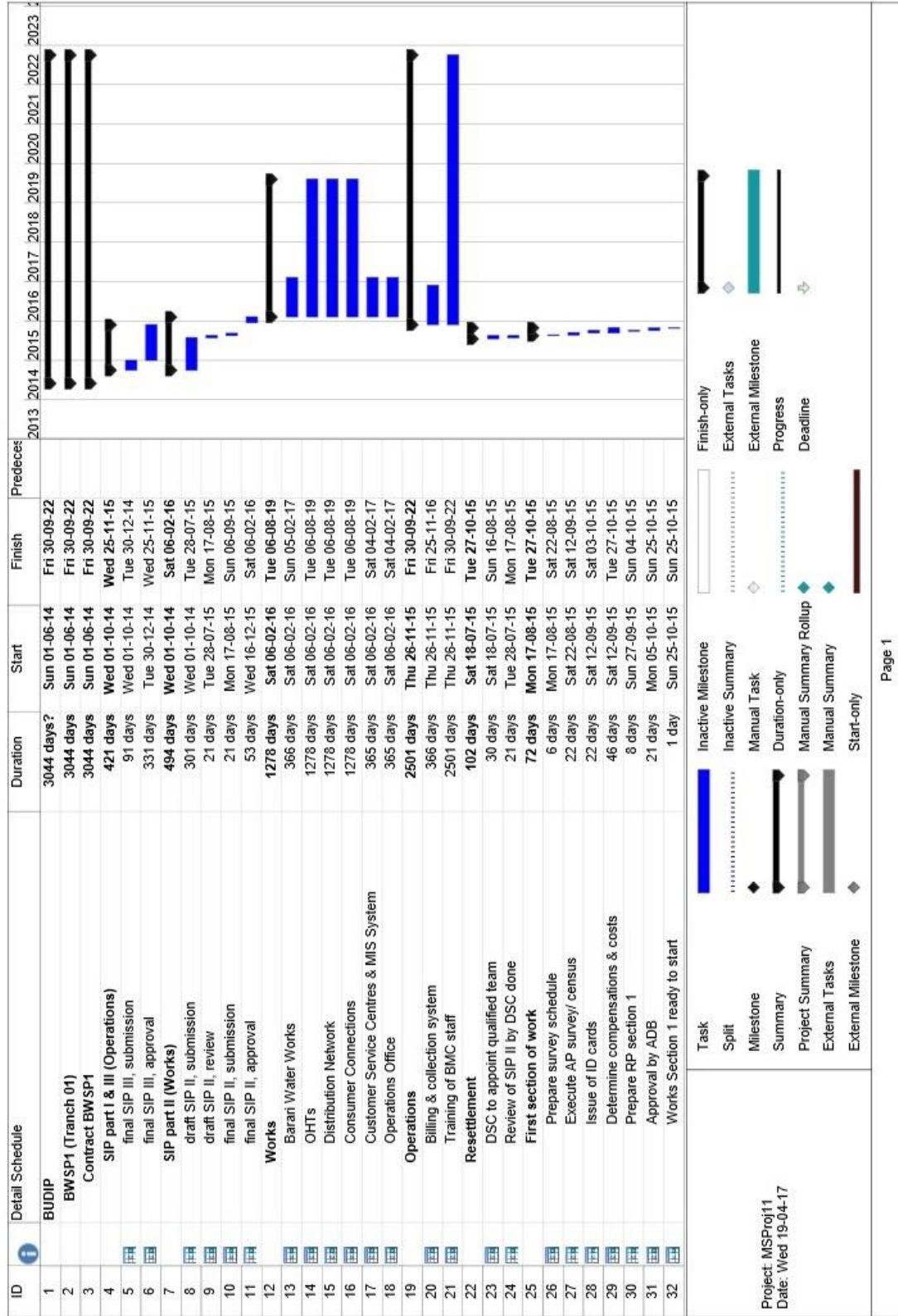


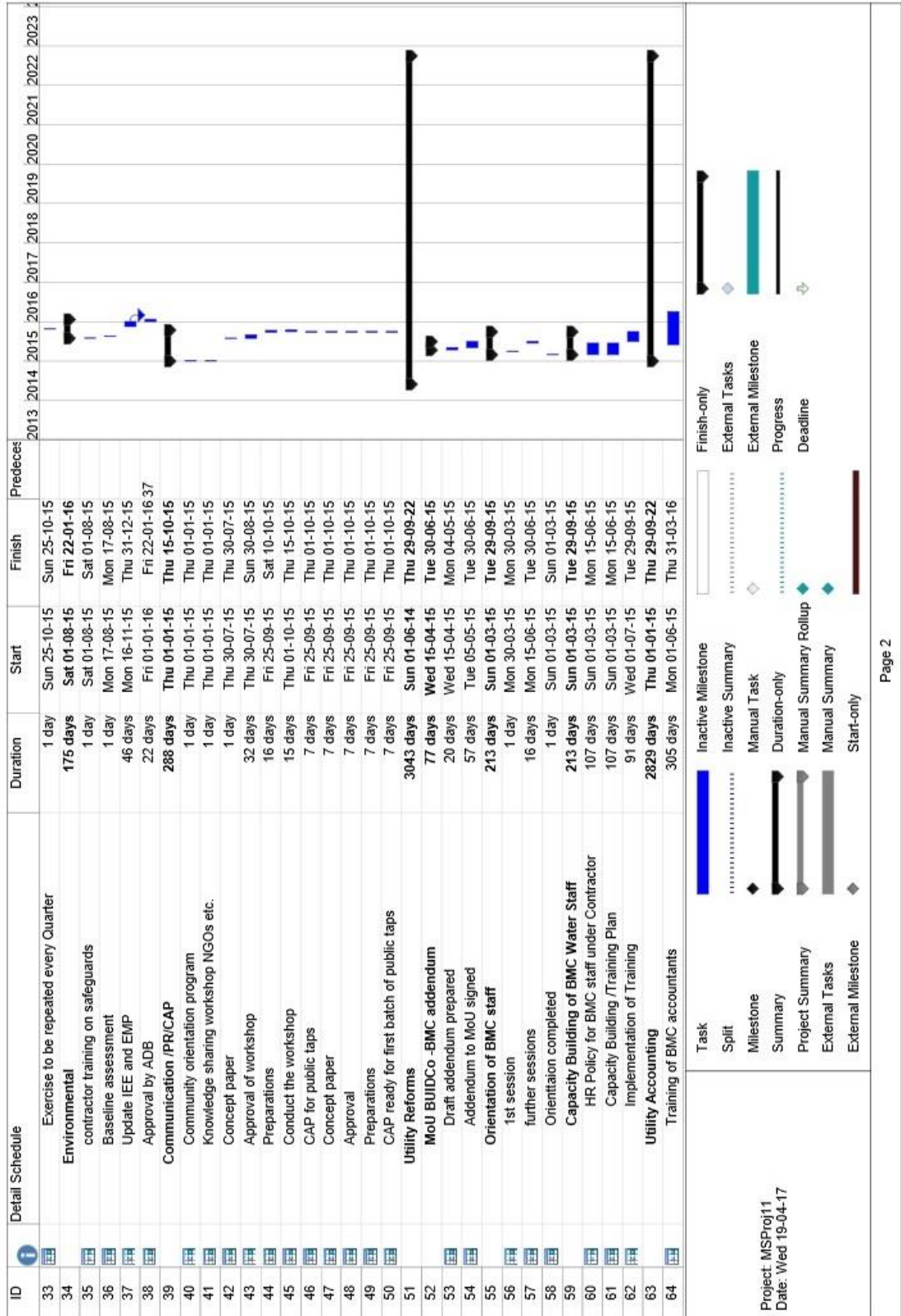
| ID | Detail Schedule | Duration | Start | Finish | Predecessors | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-----|---------------------------------------|-----------|--------------|--------------|--------------|------|------|------|------|------|------|------|------|------|------|------|
| 204 | Contract Implementation | 1142 days | Mon 15-01-18 | Mon 01-03-21 | | | | | | | | | | | | |
| 207 | GWWP 02 - Estern Part (Tranch 03) | 365 days | Fri 16-12-16 | Fri 15-12-17 | | | | | | | | | | | | |
| 208 | Planning and Design - Process Ongoing | 365 days | Fri 16-12-16 | Fri 15-12-17 | | | | | | | | | | | | |

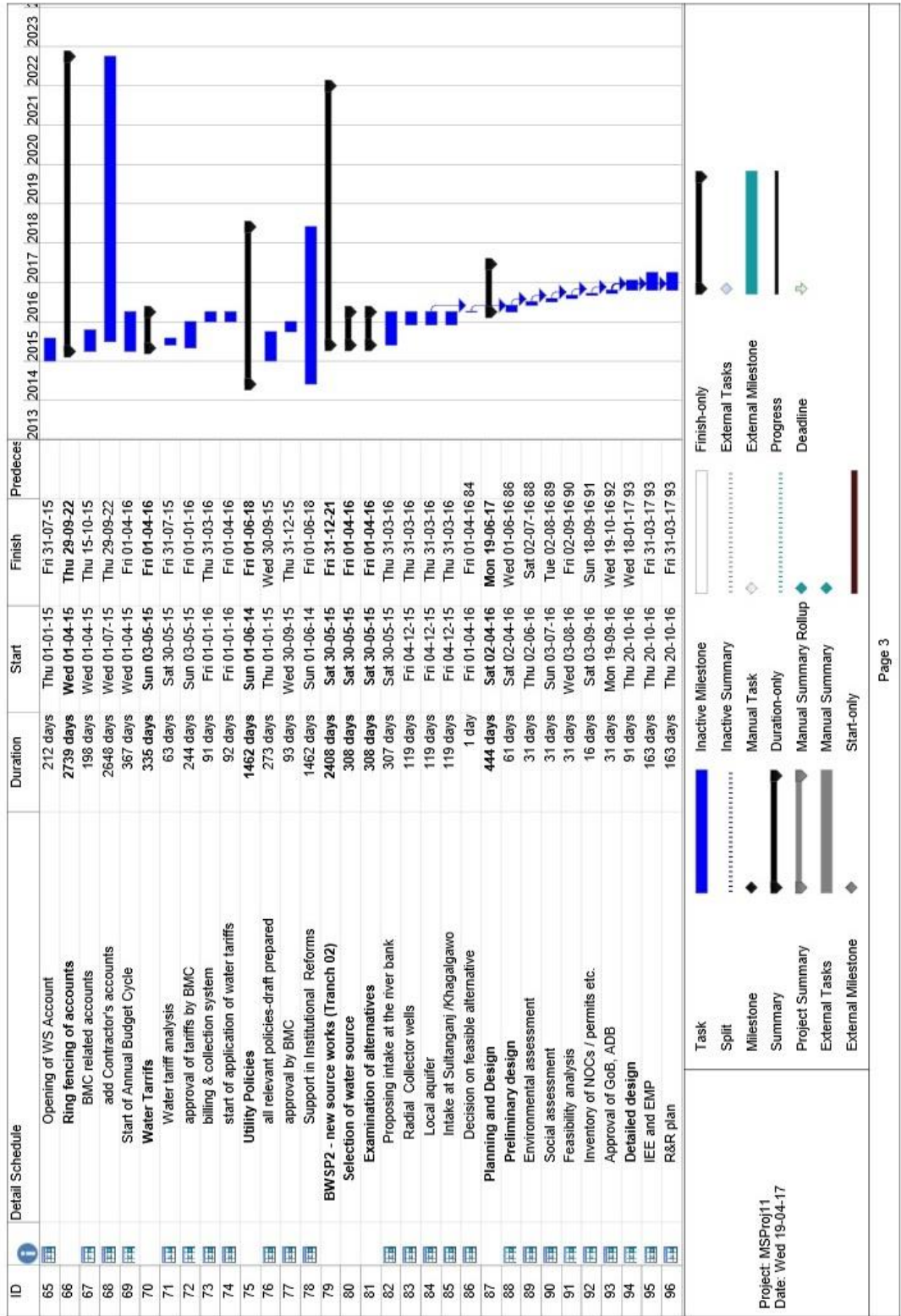
Project: MSProj11
Date: Wed 19-04-17

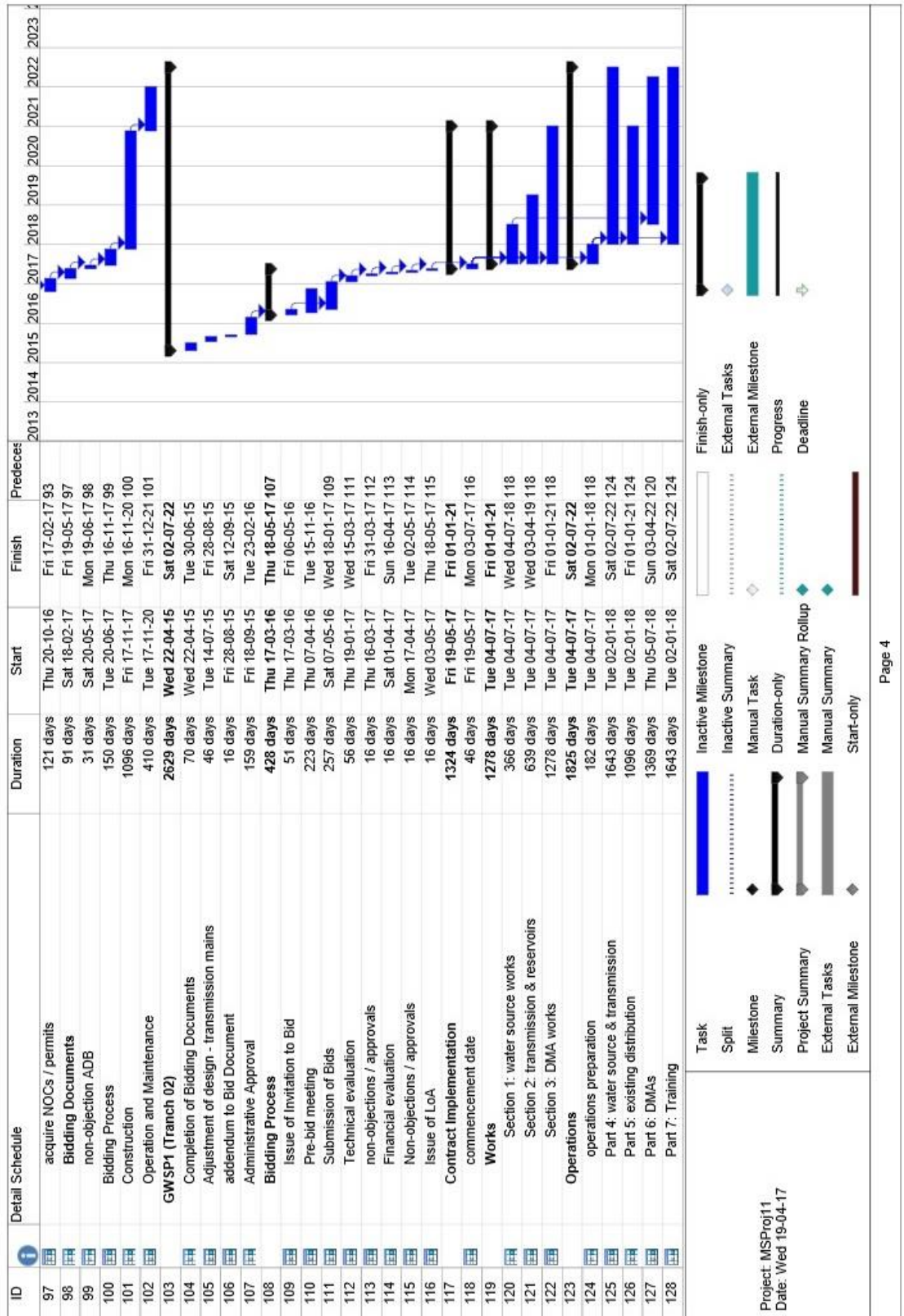
| | | | | | |
|--------------------|--|-----------------------|--|--------------------|--|
| Task | | Inactive Milestone | | Finish-only | |
| Split | | Inactive Summary | | External Tasks | |
| Milestone | | Manual Task | | External Milestone | |
| Summary | | Duration-only | | Progress | |
| Project Summary | | Manual Summary Rollup | | Deadline | |
| External Tasks | | Manual Summary | | | |
| External Milestone | | Start-only | | | |

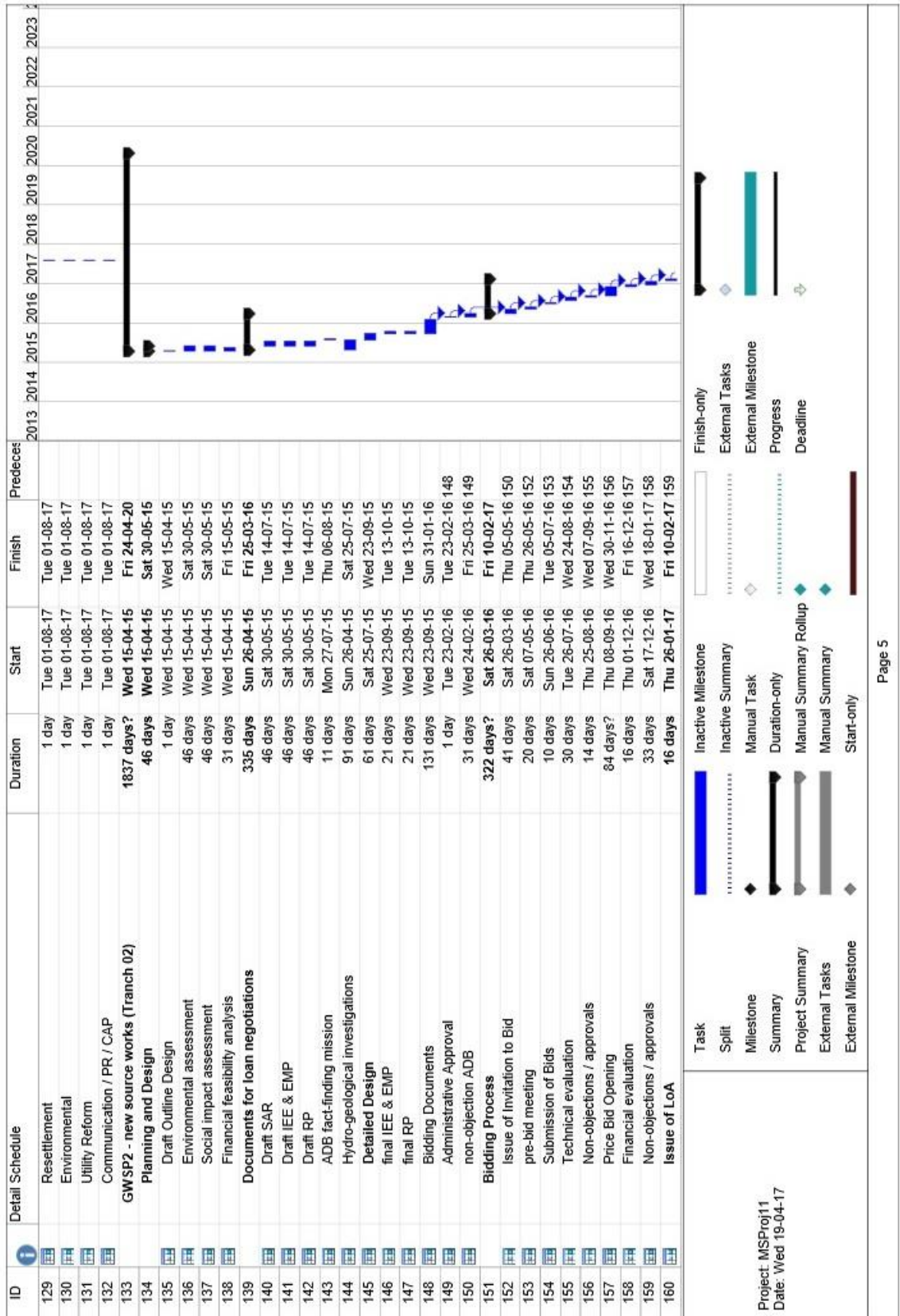
2.2 Detailed Implementation Schedule (Draft) – Activities during the first year

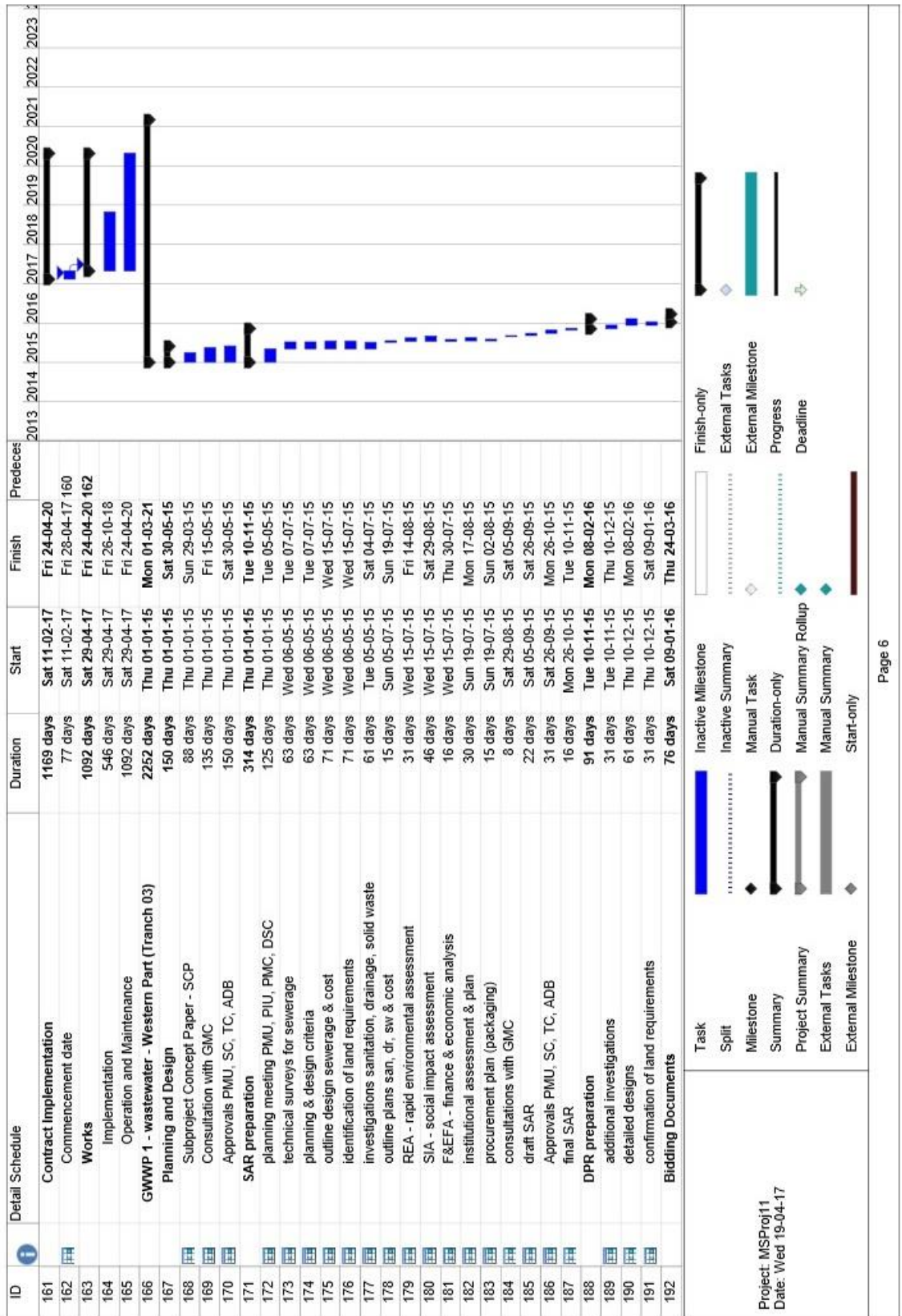


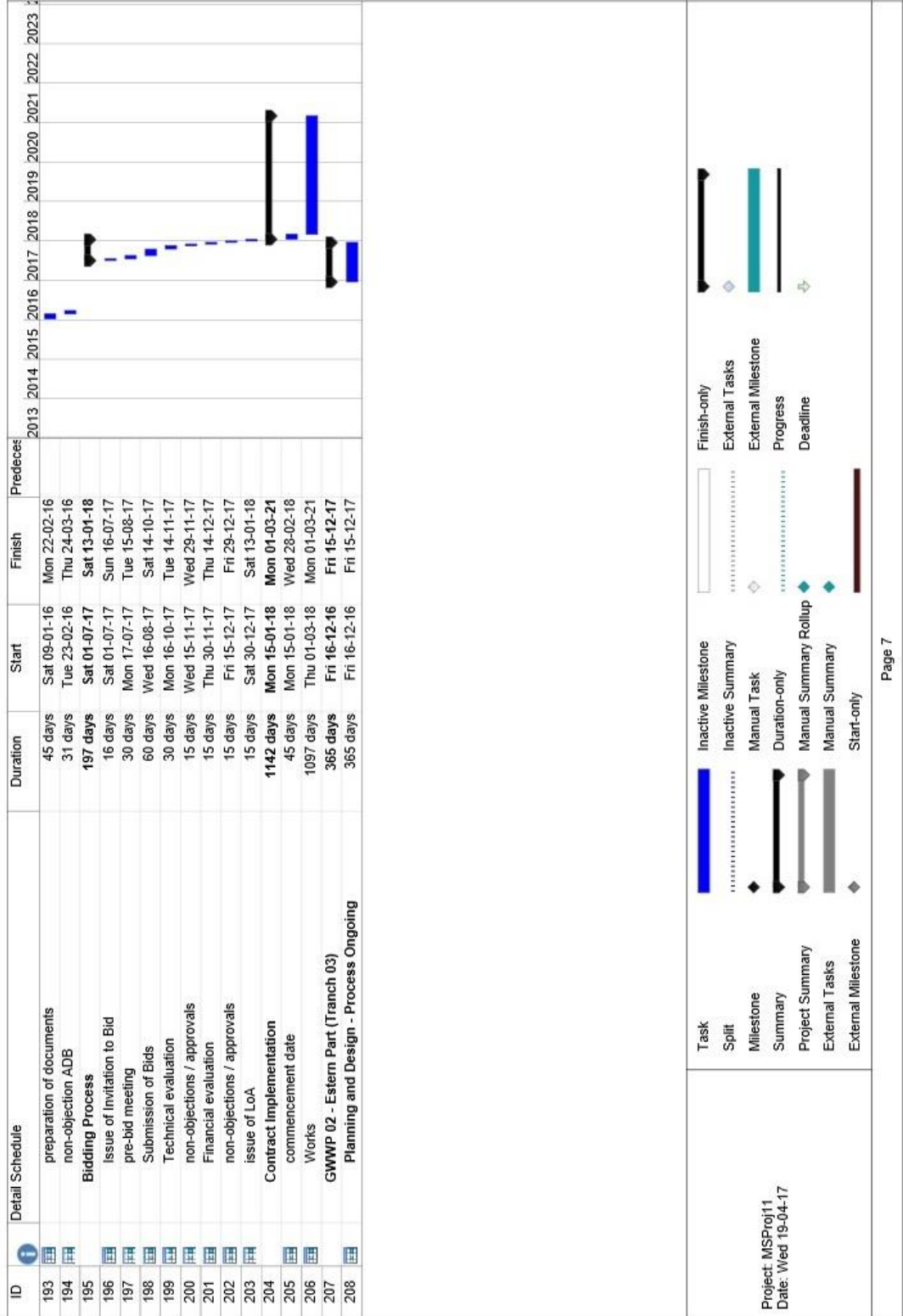












5.5 Appendix 5 – Contract Award and Disbursement Graphs

LoA for the DBO Bhagalpur Water Supply Project-1 (BWSP-1) has been issued on 04.03.2014. The Contract has been signed on 01-07-2014. NTP issued on 11-08-2014. Date of commencement was 01-10-2014. Initial take over for O/M was 01-04-2015 but it was delayed to -1-07-2015. The Contractor is maintaining the water supply of the town since then. Development Commencement date was targeted as 01-10-2015 but it has been shifted to 06-02-2016 i.e. the date of approval of SIP.

Disbursement made by ADB is as below: -

| Sl. No. | Claim Particulars | Amt. \$ (@ INR-60) |
|---------|--|--------------------|
| 1 | Works(Pan India for Mobilization Advance) | 4.29 Million |
| 2 | Consulting Services | 4.42Million |
| 3 | Project Management& Implementation | 0.55 Million |

5.6 Appendix 6 – Progress on Infrastructure Development

No progress.

5.7 Appendix 7- Progress on Utility Reform and Capacity Development

5.7.1 Utility Reform and Capacity Development

- There has been no progress since October 2015 as the Institutional; Expert, Finance Specialist (PMC) & the Utility Accountant has been held for mobilization since then. Now the utility accountant and the institutional expert have been remobilized on an intermittent basis from the month of March'2017.
- Drafted the Terms of Reforms (TOR) for engagement of institutional consultancy under tranche 02.

5.7.2 Utility Reform

Activities in Utility Reform under BUDIP in each of the project towns will include:

- Assessment of existing institutional and organizational setup;
- Recommendations for modifications a staged action plan for introduction and adoption of the modified setup.
- The Bihar Urban Water Policy (Draft) has been prepared.

Progress in the two towns can be summarized as follows:

Appendix 7 – Progress on Utility Reform and Capacity Development

| Action | Bhagalpur | Gaya |
|---|--|--|
| Assessment of existing institutional and organizational setup | <ul style="list-style-type: none"> • Institutional assessment of Water Section of BMC done in terms of manpower strength assessment and existence of sub committees and decision making authority. Optimization of manpower to be worked on. • Assessment of existing set up in terms of manpower, equipment and software done for the accounts Departments of BMC in the context of ring fencing of accounts • Reviewed the SIP and provided further comments on Contractor's Organogram and BMC Manpower listing. | <ul style="list-style-type: none"> • Financial data compiled for Gaya Municipal Corporation • Preliminary Assessment for status of ring fenced accounting for Gaya Municipal Corporation on going. • An assessment of current staffing profiles in the water supply section of the town is being carried out in parallel with the institutional / organizational studies under SAR. |
| Recommendations for modifications | <ul style="list-style-type: none"> • The Contractor to correct the Contractor's Organogram and finalize the BMC staff list • Contractor to undertake Training Need Assessment before initiating the training process • Contractor to undertake manpower analysis in terms of roles and responsibilities of different staff categories. | |
| A staged action plan for introduction and adoption of the modified setup. | <ul style="list-style-type: none"> • Drafted the Bihar Urban Water Policy to define the framework for drawing regulations • Facilitated signing of addendum to MoU between BUIDCo & BMC to expedite the process of handing over taking over. | <ul style="list-style-type: none"> • MOU signed. |

| | | |
|--|--|--|
| | <ul style="list-style-type: none"> • PMC facilitating the process of ring fencing of accounts within the Municipal System including opening of a dedicated Bank Account for a physical ring fencing of funds of the Water Section. • Excel based model for Water Tariff has been prepared. • Drafted the Connection, Metering and Billing Regulation for Bhagalpur Municipal Corporation. | |
| | <ul style="list-style-type: none"> • PMC working on suggesting alternative institutional arrangements for the Water Supply function at the Municipal Level. | |

5.7.3 Capacity Development of ULBs

Capacity Development pertains to the introduction of improved operation practices, methods and tools, and to human resources development of staff involved in water supply and wastewater operations and management.

Usual activities in capacity building (in HRD) include:

- Following the organizational assessment, the assessment of staff needs, functions, profiles and numbers;
- Planning for establishing the desired staffing levels;
- Assessment of existing staff profiles and capabilities;
- Assessment of gaps and training needs assessment;
- Design of a training plan;
- Training delivery;
- Monitoring and evaluation.

Activities undertaken up to date.

- PMC is involved in a continuous process of sensitization and capacity building of the Municipal functionaries through interaction and presentations.
- PMC is working on the capacity strengthening of the Accountant to be designated for the Water Section in BMC.
- Drafted the Connection, Metering and Billing Regulation for Bhagalpur Municipal Corporation
- Prepared a report on Water Supply Staff Sensitization.
- Excel based model for Water Tariff has been prepared.
- Drafted the Bihar Urban Water Policy.
- Carried out orientation and sensitization programme for water section staff in the context of project overview and takeover by contractor. Over 51 WS staff of BMC, comprising primarily of staff other than pump operators have been sensitized through 3 sessions. Pump operator's sensitization programme that was undertaken in the month of June 2015. The programme also served as a platform for sharing of views of the BMC staff on their working relations with the Contractor.
- Discussed the process of manpower analysis and Training Need Assessment with the HR Officer of PAN India
- Facilitated the process of ring fencing of accounts within the Municipal System. Discussed the issue of engagement of dedicated accountant with the Municipal Commissioner
- Facilitated opening of a dedicated Bank Account for a physical ring fencing of funds of the Water Section.
- Provided basic orientation cum training to accountants of Bhagalpur Installed Tally with chart of accounts in the system of accounting section of Bhagalpur.
- Facilitated signing of addendum to MoU between BUIDCo & BMC to expedite the process of handing over taking over.
- Reviewed the SIP and provided further comments on Contractor's Organogram and BMC Manpower listing

5.7.4 Public Relation Activities

- Water Conservation drive "Jalhith" Campaign was jointly organized by PIRH and Dainik Jagran newspaper. Ward Committee / Jal Mitra has been constituted to propagate the need to "Save Water" and oversee and report if there is wastage of water due to missing tape or pipeline leakages etc.
- Awareness Generation Consultation was held with the slum populations near (i) IshakChak police station; (ii) Sahibganj mod – TMU OHSR route, (iii) Sarai, (iv) Lajpat Nagar, (v) BudhwaMahadeo Pump house and (vi) HarijanTola. Relevant information pertaining to BWSP-1 project benefits and temporary inconvenience of the subproject etc. was disseminated. Information on project benefits of BWSP-1 on health, gender, socio economic and environment etc. was disseminated.
- Consultations were held with newly elected member councilors of Ward 26, Surkhikal and Ward 28, BudwaMahadeo to (A) identify – (i) one person who may be trained in O & M work and (ii) Community Monitor as per the provisions of GAP and (B) seek desired support for the implementation of Gender Action Plan, conducting – (i) Awareness Generation, (ii) Women only program, (iii) Focus Group discussion, and (iv) Training on O & M etc.

5.7.5 Social Safeguard

- Consultation was held with temporary vegetable vendors alongside the distribution pipeline alignment in Adampur on 6th April, 2017
- Consultation was held with residents alongside the distribution pipeline alignment around Thakur Bari on 10th April, 2017
- Consultation was held with residents alongside distribution pipeline alignment around TNB University on 13th April'17
- Consultation was held with residents alongside the distribution pipeline alignment in Barari on 24th April, 2017
- Consultation was held with residents near the OHSR site in Surkhal on 26th April'17 during the ADB mission field visit
- Attended review meetings with the ADB Mission- Safeguards Team
- Consultation was held with PRO, Safety Officer and team constituted for undertaking DMS survey in the designated areas, PIRH on 6th May, 2017 for advising the inclusion of women members in ward wise
- The team constituted by PIRH for undertaking DMS survey in the designated areas, was oriented on aspects of Social safeguards to be kept during the survey
- Water Conservation drive "Jalhith" Campaign was jointly organized by PIRH and DainikJagran newspaper. Ward Committee / Jal Mitra has been constituted to propagate the need to "Save Water" and oversee and report if there is wastage of water due to missing tape or pipeline leakages etc.
- Pursuant to the advice of the ADB Mission, Grievance redress format has been translated in Urdu language on and kept at CSC, BMC, Bhagalpur for registering the complaint
- Regular Monitoring of Grievance Redress record kept at CSC at BMC and the sites of laying of pipeline at Barari & Thakur Bari
- Regular Monitoring of the Survey of L section and videography to authenticate the affected person data of DMS of TMU and Bazar Samiti on going work.
- Consultation was held with Safety officer of PIRH on 10th May, 2017 for improvement in labor hut at sites, restoration of the road cut for excavation in laying of distribution line as there are complaint in Barari Area.
- Videography of distribution pipe line alignment passing through concerned DMAs and OHSRs in Adampur, Brahpura, Bazar Samiti and Surkhikal was undertaken
- Awareness Generation Consultation was held on 25th May 2017 with the slum population near IshakChak police station falls enroute distribution pipeline laying connected to Brahpura OHT under GAP, attended by 45 participants comprising Female -24 and Male - 21. Relevant information pertaining to BWSP-1 project benefits etc. was disseminated.
- Awareness Generation Consultation was held with the slum population near Sahibganj mod – TMU OHSR route and HarijanTola on 26.5.2017. Information on project benefits of BWSP-1 on health, gender, socio economic and environment etc. was disseminated.
- Consultation with newly elected ward councilor and senior residents was held on 30th may, 2017 near the OHSR site of Surkhikal. Residents reiterated the need early implementation of the project
- Consultation was held on 31.5.2017 with the nearby residents of the ongoing laying work of distribution pipeline alignment at Thakurbadi area.
- Consultation was held with newly elected member councilor of Ward 26, Surkhikal on 15.6.2017 to identify – (i) one person who may be trained in O & M work and (ii) Community Monitor as per the provisions of GAP. Desired support was sought for the implementation of Gender Action Plan, conducting – (i) Awareness Generation, (ii) Women only program, (iii) Focus Group discussion, and (iv) Training on O & M etc.
- Relevant information pertaining to BWSP-1 project benefits and temporary inconvenience of the subproject etc. was disseminated to residents of nearby OHSR location at Surkhikal. The residents wished if water supply could be started earlier then it would be a great help. They opined laying of a few meters of water pipe line could resolve the water issue that was raised.
- Consultation was held with Vegetable Sellers of Sahib Ganj Vegetable market on 15.6.2017 and relevant information pertaining to BWSP-1 project benefits and temporary inconvenience of the subproject etc. was disseminated. Residents were informed that with a view to avoiding any inconvenience due to the commissioning of the subproject component night work has been proposed as and where required.
- Consultation was held with the slum population near Sachitanand Nagar and Ambedkar Nagar Pump House, where online Chlorine Dosing in water supply has been started, on 19.6.2017. Information pertaining to various advantages of the treated water on health was disseminated. Previously wastage of water due to frequent theft of tape at public stand post was reported. Consultation and follow up meetings aimed at bring bringing about the desired behavior change of the community members were held. Local residents informed that frequency of theft of tape has reduced drastically.
- Consultation was held, on 20.6.2017, with the nearby slum residents of Sarai, Lajpat Nagar and BudhwaMahadeo Pump house where online Chlorine Dosing in water supply has been started. Information pertaining to various advantages of the treated water on health was disseminated.
- Consultation was held, on 23.6.2017, with newly elected member councilor of ward 28, BudwaMahadeo area to identify – (i) one person who may be trained in O & M work and (ii) Community Monitor incommensurate with the provisions of GAP.

5.8 Appendix 8 – Implementation Arrangements – Staffing

BUDIP's organization structure for program management and implementation has been adjusted. Latest status is as below:-

Currently the PMU& PIU has the following members:

| | Designation | Number | Seniority/ Level |
|--------------------------|---|--------|--|
| Key positions | | | |
| 1 | Program Director | | MD BUIDCO (Amrendra Prasad Singh)) |
| 2 | Additional Program Director | 1 | Chief Engineer PHED (Sri Birendra Kumar) |
| 3,4, | Managers - water supply/ sewerage | 2 | 1.Executive Engineer - Water supply(Sri Satyendra Kumar Karambir) 2. Executive Engineer Sewerage (Sri Prabhakar Narayan Singh) |
| 5,6,7,8 | Program Engineers | 4 | Assistant Engineers in i) water supply (Shri Ishteyaque Alam) ii) sewerage (Vacant) iii) Procurement (Vacant iv) Mechanical and Electrical (Mr.Amit kiran) |
| 9 | Financial Advisor | 1 | Chief Account officer (Shri Ajay Kumar) |
| 10,11,12 | Junior Program Engineers | 3 | 1 sewerage(Sri Ramesh Kumar)/ 2 water supply (Shri Rohit Karn 3.Water supply(Vacant) |
| 13 | Finance Officer | 1 | In place, Mr. Sashi Bhusan CA |
| 14 | Accountant | 1 | Accountant (Sri Niraj Kumar) |
| 15 | Institutional & Capacity Building Officer | 1 | In place (Dr.Azfar. Alam) |
| 16 | Environmental & Social Management coordinator | 1 | In place (Dr. Lata Chowdhary) |
| 17 | Contract Management specialist | 1 | Legal Expert (Vacant) |
| 18 | Public Relation Officer | 1 | Communication Expert (Shri Chandra Bhushan) |
| Non-key positions | | | |
| 1 | Project Coordinator Cum Office Manager | 1 | In place (Sri Uday Kumar) |
| 2 | Office Executive | 1 | Suport Staff (Sri Tushar Kant Purohit) |

PIU Bhagalpur

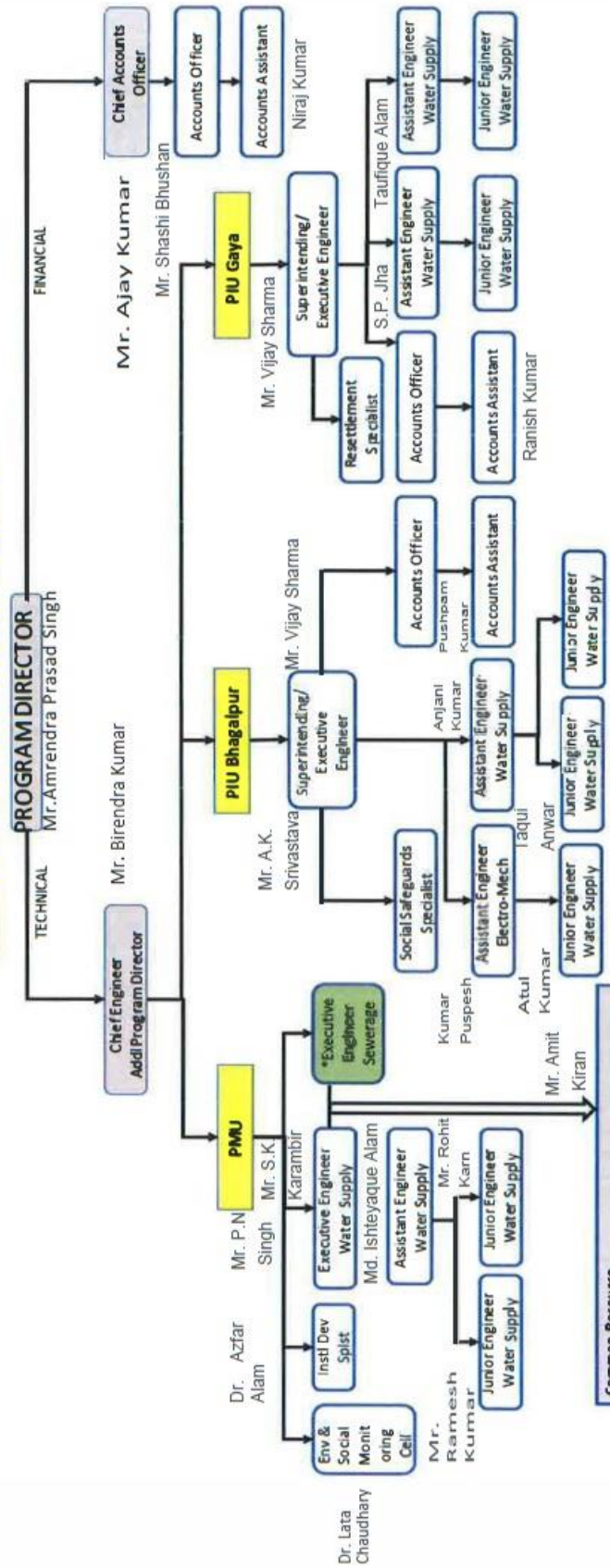
| | Designation | Number | Level |
|--------------------------|-------------------------------|---------------|---|
| Key Experts | | | |
| 1 | Project Manager PIU Bhagalpur | 1 | Supertending Engineer PHED (Shri Arunesh Kumar Srivastava) |
| 2 | Deputy Project Manager | 1 | Executive Engineer –Vijay Sharma (Addl. Charge) |
| 3,4 | Assistant Project Manager | 3 | 1Assistant Engineer - Water supply (Sh. Anjani Kumar) 2.Assistant Engineer water supply (Sri Kumar Puspesh) 3.Assistant Engineer Water Supply(Vacant) |
| | Designation | Number | Seniority/ Level |
| 5,6,7 | Junior Engineers | 3 | Water supply (Md. Taqui Anwar) Water supply (Sri Atul Kumar) Water supply (Sri Gyan Prakash) |
| 9 | Social Safeguard Specialist | 1 | Environment/Resettlement at Assistant Engineer level (Vacant) |
| 10 | Accountant | 1 | Accountant (Sri Pushpam Kumar) |
| Non-key positions | | | |
| 1 | Office Executive | 1 | Support Staff (Vacant) |

| | | | |
|---|-------------------|---|--------------------|
| 2 | Computer Operator | 1 | IT Expert (Vacant) |
|---|-------------------|---|--------------------|

PIU Gaya

| | Designation | | Level |
|--------------------------|---------------------------|---|---|
| Key Experts | | | |
| 1 | Project Manager PIU Gaya | 1 | Supertending Engineer PHED (Vacant) |
| 2,3 | Deputy Project Manager | 2 | Executive Engineer -Water supply (Mr. Vijay Sharma); Ex En– Sewerage (Vacant) |
| 4,5 | Assistant Project Manager | 2 | Assistant Engineer -Water supply (Md. TaufiqueAlam) Assistant Engineer Sewerage(Vacant) |
| 6,7,8,9 | Junior Engineer | 4 | Water supply*2(Vacant); sewerage*2 (Vacant) |
| | | | |
| 11 | Resettlement Specialist | 1 | Resettlement at Assistant Engineer level (Vacant) |
| 12 | Accountant | 1 | Accountant (Sri Ranish Kumar) |
| Non-key positions | | | |
| 1 | Office Executive | 1 | Support Staff (Vacant) |
| 2 | Computer Operator | 1 | IT Expert (Vacant) |

RESTRUCTURED ORGANOGRAM of BUIDCO for ADB PROJECT



- Bid Evaluation and Approval Committee:**
- Program Director – Chairperson
 - Additional Program Director – Member Secretary
 - Superintending Engineer of respective PIU – Member
 - Executive Engineer of respective sector, PMU – Member
 - Chief Accounts Officer – Member
 - Procurement Specialist, DSC – Member
 - Deputy Team Leader, PMC – Member

- Technical Committee**
- Additional Program Director – Chair person
 - Superintending Engineer of respective PIU – Member
 - Executive Engineer of respective sector, PMU – Member
 - Superintending Engineer of PHED, nominated by Engineer-in-Chief – Member
 - Additional Team Leader, DSC – Member
 - Deputy Team Leader, PMC – Member

- Technical team would be responsible for:
- Detailed Project Report
 - Bid Documents
 - Procurement and Evaluation
 - Contract Management
 - Administrative works
 - Consultancy

* Additional change of Consultants and Administrative matters.

5.9 Appendix 9 – Project Performance Management System PPMS

Summary of BUDIP

| Summary (Component wise) | | | | | | | |
|--------------------------|--------------------------|--|----------------------------------|--|---|----------------------------|--------------------------------|
| Sl. No. | Work Components of BUDIP | No. of Packages in Planning & Design Stage | No. of Packages in Bidding Stage | No. of Contracts in Implementation Stage | No. of Contracts in Post-Construction Stage | No. of Contracts Completed | Total No. of Contract Packages |
| 1 | Water Supply | 1 | 2 | 1 | 0 | 0 | 4 |
| 2 | Sewerage | 2 | 0 | 0 | 0 | 0 | 2 |
| Total | | 3 | 2 | 1 | 0 | 0 | 6 |

- i) Implementation Stage BWSP1 (See Appendix 10)
- ii) Planning & Design Stage BWSP2
- iii) Planning & Design Stage GWSP1
- iv) Planning & Design Stage GWSP2
- v) Planning & Design Stage GWWP1 (Western Part)
- vi) Planning & Design Stage GWWP2 (Eastern Part)

5.10 Appendix 10 - Procurement Activities

BW SP 01

Bhagalpur Water Supply Phase 1

| Sr. No. | Milestones | Target Dates | Actual Date | Remarks |
|---------|---------------------------------------|--------------|-------------|----------------------------|
| 1. | Contract date | | 11.07.2014 | |
| 2. | Date of Commencement | 01.10.2014 | 01.10.2014 | |
| 3. | Initial Takeover date | 01.04.2015 | 01.07.2015 | |
| 4. | Development Commencement Date | 01.10.2015 | 06-02-2016 | SIP approval on 06/02/2016 |
| 5. | Scheduled Development Completion Date | 31.03.2019 | | 42 months. |
| 6. | Operation service completion | 30.09.2022 | | 96 moths |
| 7. | Sign of SIP Part A | 30.09.2015 | 19.11.15 | Approved |
| 8. | SIP Part 2 (Works) | | 06.02.16 | Approved |
| 9. | Contract completion date | 30.09.2022 | | 96 months |

5.11 Appendix 11 – Consulting Activities

No Special report

5.12 Appendix 12 – Summary of Semi-Annual Safeguard Monitoring Report

Environment Monitoring

| Town | Subproject | EA document | Due date | Status |
|-----------|----------------|---|-------------|--|
| Bhagalpur | BWSP1 | REAC and categorization | | Category B |
| | | IEE | August 2013 | Completed and disclosed on ADB website. Revised IEE of BWSP-1 submitted to ADB on 3/3/2017 |
| | | EMP | | Is part of IEE report and attached in the IEE |
| | | final EMR | | Continued with development of physical work |
| | BWSP2 | Environment Categorization form along with Rapid Environment Assessment (REA) checklist & the Bio diversity report sent to ADB in January 2017. The Environment categorization has been finalized by ADB on 24.02.2017 as category "B" IEE for BWSP-2 sent to ADB. | | |
| Gaya | GWSP Package 1 | REAC and categorization | 30-11-2013 | Preliminary environment assessment completed, categorized as B |
| | | IEE | 15-01 2014 | IEE included in the Bid document |
| | | EMP | | Final EMP is a part of IEE& included in the BID doc. |
| | | EMR | | To be done after starting of the physical work |
| | GWSP | REAC and categorization | 30-11-2013 | Category B |

| | | | | |
|--|-----------|-----|----------|---|
| | Package 2 | IEE | Mid 2014 | IEE report included in the bid doc. |
| | | EMP | | Final EMP is a part of IEE & included in the Bid Doc. |
| | | EMR | | To be done after starting of the physical work |

REAC = Rapid Environmental Assessment Checklist

IEE = Initial Environmental Assessment

EIA = Environmental Impact Assessment

EMP = Environmental Management Plan

EMR = Environmental Monitoring Report

Social Monitoring

| Town | subproject | EA document | Due date | Status |
|-------------------------|--------------------------|------------------------------|---------------|--|
| Bhagalpur | BWSP1 | Involuntary Resettlement | | Category B |
| | | Indigenous Peoples | | Category C |
| | | Draft Resettlement Plan (RP) | August2013 | Completed |
| | | Final RP (Phase-1) | 04-10-2015 | RP for phase 1 of the civil implementation works to be taken up in year one has been submitted by contractor. The Final RP for phase 1 has been shared with ADB on 31.12.2015 |
| | | Final RP (Phase-2) | 31.08.2017 | DMS is being carried out. Videography is being carried out along L-section. |
| | BWSP2 Package2 | Involuntary Resettlement | | Category B |
| | | Indigenous Peoples | | Category C |
| | | Draft Resettlement Plan (RP) | 30-11-2013 | With SAR |
| | | Draft Resettlement Plan (RP) | 07-02-2014 | As per available Draft DPR of DSC |
| | | Draft Resettlement Plan (RP) | 10-04-2014 | As per final DPR of DSC |
| | | Draft Resettlement Plan (RP) | 30.09.2014 | Submitted to PMU |
| | | Draft Resettlement Plan(RP) | 09.12.2016 | Submitted to ADB prepared with change in location of the intake well on the bank of river Ganga and proposed components as switch yard, jack well, raw water pumping main alignment to WTP, distribution main alignment for Western and Southern part OHT from WTP etc, CWR etc. |
| | | Final RP | | To be updated by contractor |
| | | Gaya | GWSP Package1 | Involuntary Resettlement |
| Indigenous Peoples | 30-11-2013 | | | Category C |
| Draft Resettlement Plan | 24-05-2014 | | | As per final DPR |
| Draft Resettlement Plan | 08.10.2014 | | | Submitted to PMU |
| Draft Resettlement Plan | 25.08.2015 | | | Submitted to ADB & included in Bid Doc. |
| Final RP | | | | To be updated by contractor |
| GWSP Package2 | Involuntary Resettlement | | 30-11-2013 | Category B |
| | Indigenous Peoples | | 30-11-2013 | Category C |
| | Draft Resettlement Plan | | End2014 | The SIA completed. |
| | Due Diligence Report | | | The DDR has been finalized & Included in Bid Doc. |
| | Final RP | | | To be updated by contractor |

| | | | |
|------|------------------------------|--------------|---|
| GWWP | Draft Resettlement Plan | 06.08.2015 | The SIA completed. |
| | Draft Resettlement Plan (RP) | 09.09.2015 | Submitted to ADB RP consultant for further action |
| | Draft Resettlement Plan (RP) | January 2016 | The SIA will be carried out once the revised DPR submitted by DSC is approved by BUIDCo |
| | RP | June 2016 | Finalized & Sent to ADB (Ms. Indah) by ADB Consultant (Ms.Saswati) on 06 June 2016 |

RP = Resettlement Plan

5.13 Appendix-13- Implementation of Environmental Safeguards

Table- 1 Implementation and Disclosure status

| Sr. No. | Package | Documentation | Disclosure (Local language / Common language) | Statutory Clearance |
|---------|--|--|---|--|
| 1 | Rehabilitation, Construction, Operations, Maintenance and Management of Bhagalpur Water Supply Project 1 (BWSP1) – DBO contract (BH/WS/01) | ADB Comments received & revise IEE to be submitted to ADB. | IEE disclosed in English. Executive summary and EMP of the further updated IEE has been translated in local language – Hindi and made available at PIU & CSC offices. | <ul style="list-style-type: none"> • CTE- Renewal application sent to BSPCB and after Meeting with Environment Engineer of Pollution Control Board, he suggested to submit CTO proposal. • Online proposal for Consent to Operate (CTO) of WTP submitted to BSPCB on 23.12.2016 • Land for waste disposal still to be identified by BMC • Tree felling NOC – Process continued to get NOC from concerned Dept. |

Table- 2- Regulatory compliance status – Environment Safeguard

| Town | Package No. | Components | National and State Legal Requirement | Status (upto 30.06.2017) |
|--|-------------|--|--|---|
| 1. Water Supply System Subproject | | | | |
| Bhagalpur | BH/WS/01 | Rehabilitation, Construction, Operations, Maintenance and Management of Bhagalpur Water Supply Project 1 (BWSP1) – DBO contract (BH/WS/01) | The EIA notification, 2006 (and its subsequent amendments in 2009) provides for categorization of projects into category A and B, based on extent of impact | The sub project is not covered in the ambit of the EIA notification, as this is not covered under either Category A or Category B of the notification. As a result, the categorization, and the subsequent environmental assessment and clearance requirements, either from the state or the central Government is not triggered. Environmental Clearance is not required for the proposed sub project at Bhagalpur |
| | | | Water (Prevention and Control of Pollution) Act. 1974/ Consent to Establish (CTE) for rehabilitation of WTP from Bihar State Pollution Control Board Consent to operate will be required before operation The Air (Prevention and Control of Pollution) Act, 1981, as amended by Amendment Act, 1987 Also for setting up hot mix plant, batching plant and use of diesel generator Consent to Establish (CTE) and Consent to Operate (CTO) | Online proposal for CTE rehabilitation of WTP submitted to Pollution Control Board on 27.11.2015 and hard copy with fees submitted to Bihar State Pollution Control Board on 01.12.2015 CTE of WTP was obtained Bihar State Pollution Control Board on 9 th March 2016 with conditions. CTE renewal application submitted to BSPCB on 05.09.2016 and after Meeting with EE Pollution Control Board he suggested to submit CTO. Online proposal for Consent to Operate (CTO) of WTP submitted to BSPCB on 23.12.2016. Main issue is the non-availability of Land for sludge disposal by the Municipal Commissioner, Bhagalpur. |
| | | | Wild Life (Protection) Act 1972, Amendment Act, 1993 and 2002 and Wildlife (Protection) Rules, 1995 | As per State Wildlife Board draft notification under which construction activity related to public sector domestic water supply projects for Bhagalpur and other urban areas in and adjoining the eco-sensitive zone shall be permitted. Emergency plan: Letter submitted to APCCCF cum chief wildlife warden on 07.03.2017 for request for consent of operation under emergency plan in Bhagalpur water supply project. For existing intake operation which falls on the boundary/fringe of the eco-sensitive zone consent requirement is also mentioned in the |
| | | | | |

| Town | Package No. | Components | National and State Legal Requirement | Status (upto 30.06.2017) |
|------|-------------|------------|--|---|
| | | | | referred letter. NOC has been received on 23.05.2017. |
| | | | <p>The Indian Forest Act, 1927; Forest (Conservation) Act, 1980, amended 1988; Forest (Conservation) Rules, 1981 amended 1992 and 2003</p> | <p>Acquisition of forest land will not be required for the subproject. Clearance from Forest department for cutting of trees, if any.</p> <p>For tree cutting at Constable Training School, CTS (1- tree) Tilkamanjhi University, TMU (4-Tree) and customer care center at Barari. Application has been sent to concerned department on 01.01.2016 for tree felling at CTS and TMU.</p> <p>Tree felling NOC for OHT site received by Proctor, TM Bhagalpur University on 12.01.2017</p> <p>Tree felling done at customer service center within BMC WTP premises</p> |
| | | | <p>Ancient Monuments and Archaeological Sites and Remains Rules, 1959. Bihar Ancient Monuments and Archaeological Sites, remains And Art Treasures Act, 1976 provide guidance for carrying out activities, including conservation, construction and reuse in and around the protected monuments.</p> | <p>The sub-project area is not located within and nearby the state protected monuments area. No NOC needs to be obtained</p> <p>There is no requirement of clearance from ASI, Govt. of India</p> |

Table 3- EMP Implementation- BWSP1

| Sr no | Issues | Compliance (Done/not done/Not required) | Action plan |
|-------|---|---|--|
| 1 | Use of display board at working area | Partially Done To be maintained | Display board at Pipe laying site partially complied. Instructions has been given for sign board & display board(showing work plan) availability |
| 2 | Use of caution tape, board at working site with sufficient information | Done To be maintained | Caution tape placed during pipe line maintenance work, pipe laying work and construction of OHTs and Customer Service Center at Barari. |
| 3 | Permanent barricade at working site | Partially Done To be maintained | At OHT location of Thakurbari and RCD working area covered through hard barricading OHT Location TMBU No hard barricading At pipe laying area, permanent Barricading not required. |
| 4 | Use of PPE like helmet, gloves, nose mask, ear plugs, safety belt by labourer | Partially complied | During site visit several times instructions have been given to the contractor for compliance of PPE by workers. |
| 5 | Access to sites – and no impact on movement of persons at working area | Complied No impact at present | Access road is narrow near Thakurbari OHT and traffic should be controlled properly. Pipe laying work near Barari water works, Thakur Bari & OHT construction work in progress. O & M work of WTP site is in-progress |
| 6 | Dampen as per site condition – arresting dust- mitigating air pollution | Partially complied | Dust generation noted at WTP Barari, CSC and OHT site. Instruction has been given to safety person of contractor for regular water sprinkling particularly during dry period. |
| 7 | Generation of noise from construction and application of mitigation measures | Complied To be continued | Road cutter are using nearby pipe laying area. Regular noise monitoring to be done by the contractor at construction sites. |
| 8 | Protection of water bodies nearby the project site | Done | Proper Drainage system maintained at the WTP |
| 9 | Waste disposal from construction site | Under Compliance | Garbage bins placed at the WTP where solid waste disposed on regular basis. Final disposal is being done in BMC container. No Garbage bins placed at OHT sites. |
| 10 | Vehicles and Equipment's having Pollution Under Control Certificate | Compliance | PUC certificate available at WTP site. |
| 11 | Traffic management as per EMP | Under Compliance | To be implemented with progress of work Contractor has submitted traffic management Plan for 50 km pipe laying work for phase 1 work. |
| 12 | Availability of First Aid Box at working site | Done | Available at all OHT sites. First Aid Box available on Pipe laying site Instructions given to contractor safety person for maintaining safety arrangement at site |
| 13 | Maintaining good housekeeping at working area | Under Compliance | At OHT site proper housekeeping needs to be improved. |
| 14 | Proper camp site management – accommodation, toilet, drinking water facility | Partially complied | OHT Construction work and pipe laying work in progress. O & M work continued. At WTP site toilet, drinking water facility is available Toilet facility available at Thakurbari OHT site No toilet facility at TMBU OHT site |
| 15 | Procurement of materials from licensed source | Done | To be continued |
| 16 | Non engagement of labour less than 14 yrs. Age | Done | To be maintained |

Table –4- Performance Fact Sheet for EMP Implementation of BUDIP Tranche 1 (on 30th June 2017)

| Package Name | Name of Contractor | EMP Part of contract Document (Yes / No) | Contractor Social/ Environment Person | Overall Status of EMP Implementation | Field Monitoring as per EMP | | | | | | | | | | | | |
|---|---|--|---|--------------------------------------|-----------------------------|-------------------------|--------------------------|---|---|---|------------------------------------|---------------|--------------------------------------|------------------------------|---------------------------|--------------------------|-----------------------|
| | | | | | Source of Materials | Camp Sites | Landscape and Aesthetics | Air Quality | Noise Level | Traffic | Ecological Resources – Terrestrial | Accessibility | Water Quality | Occupational Health & safety | Community Health & safety | Socio cultural resources | Employment generation |
| Improvement of Water supply system at Bhagalpur (BWSP1) | PAN India Infra projects Pvt. Ltd.- Ranhill Utilities Sdn. Bhd. | Yes | Nominated- Mr. RuksharAlam and 2 more persons | Complied | Approved sources | Not in a good condition | Maintained | Air quality monitoring by the contractor To be complied, done only upto June'17 | Noise monitoring by the contractor To be complied, done only upto June'17 | To be maintained as per Traffic management Plan | Not require in this period | Yes Available | Complied. Continued on monthly basis | Yes Complied | Yes Complied | No impact | Yes Locals employed |

5.14 Appendix 14 – Gender Action Plan (GAP) Monitoring Matrix

With the development of subproject implementation, the implementation of GAP will be implemented and in cases of additional impacts/risks due to change in scope/area, that will be reflected in the revised RP, Social Safeguards Monitoring Report and accordingly project Executing Agency will inform the Construction Agency for taking relevant corrective measures.

The appointment of staff at PMU/PIU was done recently and the number of women staff occupies less than 30%, because some posts are yet to be filled. Re-advertisement has already been done to fill the vacant posts. Gender orientation to all PMU and PIU staff, Bhagalpur municipal corporation officials and staff, and contractors, organized, highlighting gender and other social inclusion issues related to water supply and sanitation will be organized as per the project development for implementation. Tranche wise revised version of GAP along with proposed activities and implementation plan is under preparation. Draft for Radio Talk, Awareness Raising Slogans on water Conservation and other IEC material have been prepared as per GAP component.

Appendix 14

Gender Action Plan Monitoring and Reporting Format

| Activities | 2014 | 2015 | | | | 2016 | | | | 2017 | | | | Cumulative Progress | Remarks |
|---|------|------|----|----|----|------|----|----|-----------|----------------|-----------------------|----|----|--|--|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| 1.1 Awareness-raising activities on importance of the project for Bhagalpur conducted, linking it to health, gender, social and economic empowerment and environmental conservation issues. | | | | | | | | | | | | | | | |
| 4 project orientation seminars conducted in the concerned ULB (Bhagalpur for Tranche 1) with at least 100 urban dwellers participating of which at least 30 are women, for a total of 400 urban dwellers oriented | | | | | | | | 1 | 1 | 1 | 4 (F- 48, M 50) | | | •7 project orientation seminars conducted •M-109 •F - 171 | Held Consultations at Dom Tola (TMBU) , HarijanTola (Bazar Samiti), Muslim Tola (Barahpura) and Ambedkar Nagar |
| Two women-only project orientation seminars conducted in the city, targeting 50 women per seminar. | | | | | | | | | 1 (F-46) | 2 (36 and 17) | | | | Three women only orientation, total 99 female | Near OHT sites at Thakur Badi and HarzanTola , Aliganj |
| 3 public advertisements on the project highlighting its benefits to women and the poor put up in strategic places in the city | | | 2 | | | | | | | | | | | 02 number of public advertisements(billboards) put up – one at Manalichowk near BMC and another at Tilkamanjhichowk near SP Kothi (Residence of SP) | Draft prepared |

¹For details, please refer to section 5.7.5 of the report.

| Activities | 2014 | 2015 | | | | 2016 | | | | 2017 | | | | Cumulative Progress | Remarks |
|--|------------------|---------------------|-------------------|-----------|----|-----------|----------------|----------------|-----------------|-----------------|--------------------|----|----|--|---|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| A short radio program on the project's core messages that include gender-sensitive messages produced and played regularly in government-run radio programs. | | | | | | | | | | | | | | | A draft radio talk has been prepared and submitted to PMU for approval. |
| 1.2 Consultation activities conducted with community members in service areas, especially in the identified poor and slum areas, and with housewives, women-heads of households, and heads of vulnerable households on the planning, design, and location of water supply and sewerage assets in the city. | 4 (M-135, F-30) | 3 (M-102 and F-24) | 3 (M-127, F -47) | 1 (M-50) | 0 | 3 (M-29) | 4 (M-23, F-2) | 6 (M-26, F-9) | 12(M-76, F-20) | 11 (M-66, F-18) | 8 (M- 66, F- 34) | | | Total Program - 55 , M -656, F - 187 | 3 consultations were held in the month of April 2017 alongside the pipe laying route , 2 consultations were held in the month of May 2017 alongside the pipe laying route , 3 consultations were held in the month of June 2017 near pump houses and OHSR sites |
| 2.1 Gender-sensitive O&M manuals developed | | | | | | | | | | | | | | Not yet done | A draft of Gender sensitive Training module on O &M has been prepared and submitted to PMU for approval |
| 2.2 Poor unemployed women and men trained to take on unskilled jobs in the O&M of water supply and sewerage assets | | | | | | | | | | | | | | Not yet done | Consultations with designated members of the community, newly elected Ward Councillors etc. have been initiated to identify one person from the ward/area who may be trained in O & M work. |

| Activities | 2014 | 2015 | | | | 2016 | | | | 2017 | | | | Cumulative Progress | Remarks |
|--|------|------|----|----|----|------|----|----|----|------|----|----|----|---|--|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| 2.3 Poor women and men trained on the O&M of water supply assets recruited. | | | | | | | | | | | | | | Most of the O&M personnel is BMC personnel handed over to contractor. In recruited person two women staff is working at customer service centre and one is looking after PR activities. | Three women staff is working in O&M. |
| 3.1 Organize ward level focus group responsible for identifying poor, vulnerable, women-headed households and who can be the community's monitor/watchdog of the proper implementation of the project. | | | | | | | | | | | | | | | Consultations with designated members of the community, newly elected Ward Councillors etc. have been initiated to identify Community Monitor incommensurate with the provisions of GAP. |
| 3.2 Poor, vulnerable households who need concessionary connections and subsidies on user fees identified. | | | | | | | | | | | | | | Not yet done, Planned after BMC Election in April / May 2017 | |
| 3.3 Rules for concessionary lifeline connections for poor, vulnerable households proposed | | | | | | | | | | | | | | Rules for concessionary lifeline connections for poor, vulnerable households are yet to be framed. | It will be governed by UDHD notification no-3/UIG-Reforms - 10/12 dated 12.07.2013 |
| 3.4 A pro vulnerability schedule of tariffs for water supply and sanitation services proposed | | | | | | | | | | | | | | schedule of tariffs for water supply governed as per UDHD notification no-3/UIG-Reforms-10/12 dated 12.07.2013 | |

| Activities | 2014 | 2015 | | | | 2016 | | | | 2017 | | | | Cumulative Progress | Remarks |
|---|------|------|----|----|----|------|----|----|----|------|----|----|----|---|---------|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| 4.1 Women staff in the PMU and PIU recruited and trained. | | | | | | | | | | | | | | 1 Woman staff in the PMU recruited. | |
| 4.2 Gender orientation to all PMU and PIU staff, Bhagalpur municipal corporation officials and staff, and contractors, organized, highlighting gender and other social inclusion issues related to water supply and sanitation. | | | | | | | | | | | | | | 1 Gender orientation organized in July 2015, highlighting gender and other social inclusion issues related to water supply and sanitation for PMU, PMC and Contractor staff | |
| 4.3 Gender items in the project information format for regular reporting incorporated. | | | | | | | | | | | | | | It is regular in GAP monitoring format. | |
| 4.4 Gender indicators incorporated in the PPMS. | | | | | | | | | | | | | | Not yet started | |

5.15 Appendix 15 – Status of NOC Bhagalpur Water Supply Project

5.15.1 Status of NOC for construction of OHTs under BWSP1

| S No | OHT ID | Location | Owner | Area required | DMAs Covered | Status of NOC | Remarks |
|------|--------|--|--|---------------|--------------|---------------|---|
| 1 | 1/1 | TMB University | Bhagalpur University | 35mX35m | 2 | Received | Work in progress |
| 2 | 1/2 | Constable Training School, Nathnagar | Constable Training High School. | 40mX40m | 2 | Received | OK |
| 3 | 1/3 | Mahashay Deodhi-1 | BMC | 15mx15m | 1 | Received | OK |
| 4 | 1/4 | Mahashay Deodhi-2 | BMC | 15mx15m | 2 | Received | Filled up soil. |
| 5 | 1/5 | Abir Mishra Lane , in Nathnagar | Industries Dept. (Dept. of Handloom) | 20mx20m | 2 | Received | OK |
| 6 | 2/2 | Jaglal High school at Company Bagh | BMC | 20mX20m | 3 | Received | Principal wants the Management Committee to sign the NOC |
| 7 | 2/3 | BMC Godown Tatarapur | BMC | 20mX20m | 4 | Received | OK |
| 8 | 3/1 | Lajpat Park | GoB | 20mX20m | 2 | Received | OK, BMC land NOC in writing to be obtained from BMC |
| 9 | 3/2 | Road Construction Division Bhagalpur, Adampur | Chief Engineer, Road Construction Department | 20mX20m | 2 | Received | Work in Progress |
| 10 | 3/3 | Barahpura, Eidgah | GoB | 14mx20m | 3 | Received | Demolition of BMC pump house needed. Permission to be taken from BMC |
| 11 | 4/1 | Sector 1, Housing Board Office, Barari | Bihar State Housing Board | 25mx25m | 3 | Received | Work in progress, stay on land |
| 12 | 4/2 | Bhagalpur Central Jail, near Anandanagar Colony | Health Department (JLN Medical College) | 20mX20m | 2 | Received | Principal, medical college is not allowing |
| 13 | 4/4 | Surkikal | Jawahar Lal Nehru Medical College, Department Of Health | 20mX20m | 2 | Received | Principal, medical college is not allowing |
| 14 | 5/1 | Thakurbari, Warsaliganj | Trust of Sri Sri 108 Radha Krishna Sarbajanik Thakurbari Samiti, Warsaliganj | 30mx30m | 3 | Received | Work in progress |
| 15 | 5/2 | Bazar Samiti Campus, Agricultural Market Complex, Baghbari | Administrator, Agricultural Marketing Board | 20mX20m | 3 | Received | Work in Progress |
| 16 | 5/3 | Aliganj Katghat, Hussainabad | BMC | 15mx12m | 2 | Received | TW defunct but one new re bore TW has been constructed in the land. Matter to be looked into by PIU |
| 17 | 5/4 | Kawali Maidan, Hussainabad | BMC | 30mX30m | 2 | Received | URS committee to be approached after Municipal Elections. |
| 18 | 5/7 | Sikandarpur | | 37mx44m | 2 | Not required | Old RCC OHT to be dismantled |

| S No | OHT ID | Location | Owner | Area required | DMAs Covered | Status of NOC | Remarks |
|------|--------|-------------|-------|---------------|--------------|---------------|----------------------------------|
| 19 | 2/6 | Maniksarkar | | 30mx27m | 2 | Not required | Old steel tank to be dismantled. |

Status of NOC for Refurbishment of existing OHTs under BWSP-1

| S No. | OHT Location (Existing OHTs) | DMAs covered | Pipe Line (Kms) | Remarks |
|--------------|------------------------------|--------------|-----------------|------------------|
| 1 | CTS existing | 1 | 5.10 | Work Not Started |
| 2 | Ghantaghar | 1 | 5.84 | Work Not Started |
| 3 | Goshala | 1 | 4.34 | Work Not Started |
| 4 | Ishakchak | 1 | 1.96 | Work Not Started |
| Total | | 4 | 17.24 | |

5.15.2 Status of NOC for construction of project components under BWSP2

| Sl. No. | Details | Location | Owner | Status of NOC | Remarks |
|---------|-------------|--------------------------|---------------------------------|--------------------------|--|
| 1 | WTP | Near Barari Existing WTP | BMC | | |
| 2 | Switch yard | Near Vikramshila bridge | RCD | Received | Permission granted in the Chief Secretary meeting held on 8-12-14. |
| 3 | Pipeline | 2 locations | Railways | | |
| 4 | Pipeline | 2 locations | NHAI | | |
| 5 | Intake | Finalized | Govt. Land / ECO Sensitive Zone | Conditional NOC Received | NOC received from APCCF cum chief wild life warden, Patna on 06.03.2017 for dredging and intake well construction. |

5.16 Appendix 16 – Status of NOC Gaya Water Supply & Waste Water Project

5.16.1 Status of NoC's of Gaya Water Supply Phase 1(GWSP1)

| Sr. No. | Location | Ownership | Area required (m ²) | Tank Capacity In ML | Thana No. | Khasra No. | Khata No. | Remarks |
|---------|---------------|-----------|---------------------------------|---------------------|-------------------|------------|-----------|----------|
| 1. | Joda Masjid | GoB | 36m x 24m | 2.15 | 250 | 1208 | 411 | Received |
| 2. | BudhvaMahadeo | GoB | 30m x 30m | 1.0 | 249 | 8 | 114 | Received |
| 3. | Bhusunda | GoB | 30m x 30m | 2.15 | 317 | 590 | 76 | Received |
| 4. | Mastalipur | GoB | 24m x 37.5m | 2.0 | Muffasilg anj 315 | 130 | 120 | Received |

| Sr. No. | Location | Ownership | Area required (m ²) | Tank Capacity In ML | Thana No. | Khasra No. | Khata No. | Remarks |
|---------|---|-------------------|---------------------------------|---------------------|-------------|---------------------|---------------------|---|
| 5. | Construction of OHT Behind Delha Police Station located at south-east corner, dhaniya bagicha | GoB | 34m X 26m | 2. 15 | 183 | 100 | 42 | Received |
| 6 | GLSR at Ramshila Hills | Forest Department | 24m X 40m | 2.6 | Pahsi 35 | Municipal Plot 6203 | Chadar No.-5 | Received with the condition from the forest department that pillars for boundary would have to be constructed in the given non forest land. |
| 7. | GLSR at Brahmayoni | Forest Department | 45m X 90m | 4.64 | Madanpur 10 | 1438 | Chadar No.-78 (GMC) | Received with the condition from the forest department that pillars for boundary would have to be constructed in the given non forest land. |
| 8. | Construction of OHT-Behind Delha Police Station located at south-east corner, dhaniyaBagicha (In place of Raja BabuKothi, Khurkhura) | GoB | 34m x 26m | 1.5 | 183 | 100 | 42 | Received, Letter No-2267 dt 29/07/16 by DM Gaya |

5.16.2 Status of NoC's of Gaya Water Supply Phase 2 (GWSP2)

| Sr. No. | Location | Ownership | Address | Ward No. | Area required (m ²) | Tank Capacity in ML | Thana No. | Khasra No. | Khata No. | Remarks |
|---------|-----------------------------|-----------|-----------------|----------|---------------------------------|---------------------|----------------|------------|-----------|----------|
| 1. | GLSR at Singrasthan | GoB. | Block-Chandauti | 33 | 45m X 45m | 3.7 | Maranpur 10 | 1 | 114 | Received |
| 2. | Clear Water Reservoir (CWR) | ITI | Block-Chandauti | 46 | 90m X 60m | 4.0 | Ghughritand 12 | 425 | 95 | Received |

5.16.2 Status of NOC Gaya Waste Water Project (GWWP)

| Sr. No. | Project Component | Location | Ownership | Address | Ward No. | Area required (m ²) | Tank Capacity in MLD | Khasra No. | Khata No. | Remarks | NOC Status |
|---------|---------------------------------------|---|-----------|-----------------|----------------------|---------------------------------|----------------------|------------|-----------|---|---|
| 1. | Sewage Treatment Plant | west of falgu river, east of Gaya Patna Highway road; Kandi | GoB | Block-Chandauti | KandiBitho Panchayat | 12.50 acres | 30 | 2337 | 412 | Secretary to Commissioner, Magadh Division has send letter to Joint Secretary, Revenue and Land Development, Patna with recommendation to allot the proposed STP land as advised by DM vide letter no. 464, dated 15.3.2016 | Not received |
| 2. | Intermediate Pumping Station (IPS-2) | DhaniaBagicha | GoB | Block-Chandauti | 27 | 40m X 30m | 5.2 | 100 | - | ADM has sent file to CO, Chandoti Block for conducting Aam Sabha with local nearby residents and ward councilors vide letter no.745, dt. 22.02.16, it is under process. | Received, (Letter no 2267, Dated -29.07.16 by DM Gaya.) |
| 3. | Intermediate Pumping Station (IPS-2A) | KharkhuraMordh | GoB | Block-Chandauti | 03 | 40m X 30m | 10.06 | 431 | 91 | ADM has sent file to CO, Chandoti Block for conducting Aam Sabha with local nearby residents and Ward Councilors vide letter no. 745, dt. | Not received |

| Sr. No. | Project Component | Location | Ownership | Address | Ward No. | Area required (m ²) | Tank Capacity in MLD | Khasra No. | Khata No. | Remarks | NOC Status |
|---------|---------------------------------------|---------------------|-----------------------|-----------------|-----------------|---------------------------------|----------------------|------------|-----------|---|---------------------|
| | | | | | | | | | | 22.02.16. | |
| 4. | Intermediate Pumping Station (IPS-4A) | Neema | Irrigation Department | Block-Chandauti | Neema Panchayat | 40m X 30m | 25.07 | 121 | 2790 | NOC received from DM's office vide letter no. - 743, dt. 22.02.16. | Received |
| 5. | Intermediate Pumping Station (IPS-5) | Gughri Tad | GoB | Block-Chandauti | 45 | 40m X 30m | 5.95 | 21873d | 10 | ADM has sent file to CO, Chandoti Block for conducting Aam Sabha with local nearby residents and Ward Councilors vide letter no. 745, dated 22.02.16. | Not received |
| 6. | Intermediate Pumping Station (IPS-5A) | ShamshanGhat | GoB | Block-Chandauti | 30 | 40m X 30m | 4.82 | 2338 | 95 | ADM has sent file to CO, Chandoti Block for conducting Aam Sabha with local nearby residents and Ward Councilors vide letter no.745, dt. 22.02.16. | Not received |
| 7. | Intermediate Pumping Station (IPS-6) | Prabhavati Hospital | Health Dept., GoB | Block-Chandauti | 23 | 40m X 75m | 30.98 | 13386 | 986 | Received Copy of letter No. 323(1), Dt. 8.3.2016 written to DM Gaya, by Under Secretary, Health Department | Received |

| Sr. No. | Project Component | Location | Ownership | Address | Ward No. | Area required (m ²) | Tank Capacity in MLD | Khasra No. | Khata No. | Remarks | NOC Status |
|---------|--------------------------------------|-------------|-----------|---------|-----------|---------------------------------|----------------------|------------|-----------|--|-----------------|
| | | | | | | | | | | for inability to provide land because of Departments own projects. | |
| 8. | Intermediate Pumping Station (IPS-3) | Neema | GoB | - | 40m X 30m | 5.18 | - | 585 | 179 | NOC received vide letter no. 743/RA Gaya dated 22.02.16. | Received |
| 9. | Intermediate Pumping Station (IPS-4) | Katari Hill | GoB | - | 50m X 60m | 9.54 | - | 449 | 297 | NOC received from DM's office vide letter no.- 3456 dt. 23.12.15. | Received |

5.17 Appendix 17A – Progress on Last Aide Memoire Work Plan

AIDE MEMOIRE

Loan 2861-IND: Bihar Urban Development Investment program – Project 1

Review Mission for loan 2861-IND: 25th to 29th April 2017

Table 1: Status of Compliance with Loan Covenants:

Update 30/06/2017

| Schedule | Para | Covenant Description | Compliance Status (As on 29 th April 2017) | Compliance Status (As on 30 th June 2017) |
|--------------|-------|---|---|--|
| | | Loan Covenants | | |
| 3.01 3.02 | 6 | Counterpart Support: (a) The Borrower shall make the proceeds of the Loan available to the EA upon terms and conditions mutually agreeable to ADB and the Borrower, and shall cause the EA to apply such proceeds to the financing of expenditures on the Project in accordance with the provisions of this Loan Agreement and the Project Agreement; (b) The Borrower shall cause the proceeds of the Loan to be applied to the financing of expenditures on the Project in accordance with the provision of this Loan Agreement and the Project Agreement. | Being Complied | Being Complied |
| 5 | 7 | The Borrower shall make available or cause the EA to make available necessary budgetary and human resources to fully implement the EMP, the RP and the IPP. | Being Complied. The EA has confirmed that necessary budget and human resources will be made available to implement the RP and the IPP. Only the position of Social safeguard officer at PIU-Bhagalpur is presently vacant. | Post of social safeguard at PIU-Bhagalpur has been advertised on 5/6/17 |
| | | Project Covenants | | |
| 4 | 13(b) | The State shall ensure and cause EA to ensure that all ADB-financed contracts with consultants contain appropriate representations, warranties and, if appropriate, indemnities from the consultants to ensure that the consulting services providing do not violate or infringe any industrial property right or claim of any third party. | Being Complied | Being Complied |
| 5 | 1 | Implementation arrangements: The Borrower, the state and the EA shall ensure that the Project is implemented in accordance with the detailed arrangements set forth in the FAM. Any subsequent changes to these documents of such change by the Borrower, the State. The EA and ADB. In the events of any discrepancy between the FAM and this Loan Agreement, the provisions of this Loan Agreements shall prevail. | Partially Complied | Being Complied |
| 5 | 2(b) | Towards smooth implantation of the Project, the Borrower shall cause the EA to ensure that grievances, if any, from stakeholders, relating to Subproject implementation or use of funds, are addressed effectively and efficiently. | Being Complied | Being Complied The grievance redressal mechanism is in place in BWSP-1 vide letter no.1615/ BUIDCo dated 27.5.15 and will be complied in the rest of the sub project. |

| | | | | |
|---|----|--|---|---|
| 5 | 12 | The Borrower shall ensure or cause the EA to ensure that (a) Subproject and business opportunities associated with the Project shall be announced on the websites of relevant State agencies, together with pertinent information in relation to goods and services procured for subprojects; and (b) the Subprojects and business opportunities associated with the Project are on the website of the BUIDCO. In addition, the website shall at least disclose the following information in relation to goods and services procured for the Project: (i) the list of participating bidders, (ii) the name of the winner bidder, (iii) the amount of the contracts awarded, and (iv) the goods and services procured. | Being Complied | Document for uploading on BUIDCO website submitted to IT department BUIDCO. |
| 5 | 19 | Within six months of the Effective Date, the EA shall establish the project performance and monitoring system to track implementation activities under the Facility, with corresponding target dates, expected outcomes, and assigned responsibilities under a monitoring mechanism formulates, discussed and agreed with ADB. | Complied | Complied |
| | | Social Safeguards Covenants | | |
| 4 | 8 | The EA shall not award any Works contract involving resettlement impacts until the EA has prepared and submitted to ADB the final RP for relevant Subproject based on the Subproject's detailed design, and obtained ADB's clearance of such RP. | Being Complied. The contract of BWSP-1 project was awarded after the updated RP for first year civil works was submitted to ADB. The EA to submitted the updated RP for next 114 Km of pipe laying | Being Complied |
| 4 | 9 | The EA shall not awarded any works contract for a subproject, which involves impacts on indigenous peoples until the EA has prepared and submitted to ADB the final IPP and obtained ADB's clearance of such IPP. | Being Complied. The project is category C for IP. | Being Complied. In BWSP-1, there is no indigenous population as of now |
| 5 | 3 | The Borrower shall ensure or cause that the preparation, design, construction, implementation, operation and decommissioning of the Project, and all project facilities comply with (a) all applicable laws and regulations of the Borrower and the State relating to environment, health, and safety; (b) the Environmental safeguards; (c) the EARF; and (d) all measures and requirements set forth in the respective IEE and EMP, and any corrective or preventive actions set forth in a Safeguards Monitoring Report. | | Being Complied |
| 5 | 4 | Land Acquisition and Resettlement: The Borrower shall ensure or cause the EA to ensure that all land and all rights-of-way required for the Project, and all Project facilities are made available to the Works contractor in accordance with the schedule agreed under the related Works contract and all land acquisition and resettlement activities are implemented in compliance with (a) all applicable laws and regulations of the Borrower and the State relating to land acquisition and involuntary resettlement; (b) the involuntary Resettlement Safeguards; (c) the RF; and (d) all measures and requirements set forth in the respective RP, and any corrective or preventive actions set forth in a Safeguards Monitoring Report. | Being Complied. The EA proposed to update the RP as per the yearly civil works plan. | Being Complied (a), (b), (c) and (d) in BWSP1. RP for the second phase (4 OHTs and 150 Kms. of distribution pipeline) of approved civil works is being prepared. Will be complied in other subprojects. |
| 5 | 5 | Without limiting the application of the Involuntary Resettlement Safeguards, the RF or the RP, the Borrower shall ensure or cause the EA to ensure that no physical or | Being Complied. AHs identified in updated RP for first | Being Complied in BWSP1. AHs identified in |

| | | | | |
|---|----|---|---|--|
| | | <p>economic displacement takes place in connection with the Subproject until:</p> <p>(a) Components and other entitlements have been provided to affected people in accordance with the RP; and</p> <p>(b) A comprehensive income and livelihood restoration program has been established in accordance with the RP.</p> | <p>year have been compensated before displacement.</p> | <p>updated RP for first year have been compensated before displacement.</p> <p>No impact temporary / permanent has been identified in the DMS conducted so far the second year.</p> <p>Will be complied in other subprojects</p> |
| 5 | 6 | <p>Indigenous Peoples: The Borrower shall ensure or cause the EA to ensure that the preparation, design, construction, implementation and operation of the Project, each Subproject and all Project facilities comply with (a) all applicable laws and regulations of the Borrower and the State relating to indigenous people; (b) the indigenous Peoples Safeguards; (c) the IPPF; and (d) all measures and requirements set forth in the respective IPP, and any corrective or preventive actions set forth in a Safeguards Monitoring Report.</p> | <p>Being Complied.</p> <p>The Project is category C for IP.</p> | <p>Being Complied.</p> <p>The Project is category C for IP</p> |
| 5 | 8 | <p>Safeguards-Related Provisions in Bidding Documents and Works Contracts: The Borrower shall ensure or cause the EA to ensure that all bidding documents and contract for Works contain provisions that require contractors to (a) comply with the measure and requirements relevant to the contractor set forth in the IEE, the EMP, the RP and the IPP (to extant they concern impacts on affected people during construction), and any corrective or preventive actions set out in a Safeguards Monitoring Report; (b) make available a budget for all such environmental and social measures; (c) provide the EA with a written notice of any unanticipated environmental, resettlement or indigenous peoples risk or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEE, the EMP, the RP or the IPP; (d) adequately record the condition of roads, agriculture land and other infrastructure prior to starting to transport materials and construction; and agriculture land to at least their pre-project condition upon the completion of construction.</p> | <p>Being Complied.</p> | <p>BWSP1 - Complied (a) and (b).</p> <p>Being complied for (c) and (d).</p> <p>BWSP2 and GWSP 1&2 – Will be complied</p> |
| 5 | 10 | <p>Safeguards Monitoring and Reporting: The Borrower shall do the following or shall cause the EA to do the following: (a) submit semi-annual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission; (b) if any unanticipated environmental and/or social risks and impacts arise during constructions, implementation or operations of the Project that were not considered in the EIA, the EMP, the RP or the IPP as applicable, promptly inform ADB of the occurrence of such risks or impact, with detailed description of the events and proposed corrective actions plan and (c) report any breach of compliance with the measures and promptly after becoming aware of the breach.</p> | <p>Being Complied for (a).</p> <p>Not yet due for (b) and (c)</p> | <p>BWSP1- Being Complied for (a).</p> <p>Not yet due for (b) and (c)</p> <p>BWSP2 and GWSP 1&2 – Will be complied</p> |
| 5 | 13 | <p>The Borrower shall ensure or cause the EA to ensure that Works contracts follow all applicable labor laws of the Borrower and the State and that these further include provisions to the effect that contractors: (a) carry out HIV/AIDS awareness programs for labor and dissemination</p> | <p>Being Complied.</p> | <p>BWSP1 - Being Complied</p> <p>BWSP2 and GWSP 1&2 – Will be</p> |

| | | | | |
|---|--------|--|---|---|
| | | information at worksites on risk of sexually transmitted diseases and HIV/AIDS as part of health and safety measures for those employed during construction; and (b) follow and implement all statutory provisions on labor and equal pay for equal work), health, safety, welfare, sanitation, and working conditions. Such contracts shall also include clause for termination in case of any breach of the stated provisions by the contractors. | | complied. |
| 5 | 14 | Gender and Development: The Borrower shall ensure or cause the State to ensure that the Project shall be carried out in accordance with the Gender Action Plan and the Consultation and Participation Plan for the Facility agreed upon between the Borrower, the State and ADB. | Being Complied. | BWSP1- Being Complied BWSP2 and GWSP 1&2 – Will be complied |
| 5 | 15(b) | Governance and Institutional Matters: Progress in adoption of the accrual based double entry accounting system software by the urban local bodies of Bhagalpur, Darbhanga, Gaya and Muzaffarpur, shall be made available to the consultancy and contractors engaged under the Facility. | Being Complied. | Being Complied. Request letter has been given to UD & HD for re-activating the Tally Software purchased under "Bihar Uday Project" and request has been made before Municipal Commissioner Bhagalpur for providing equipment and Infrastructure for operationalizing of accrual based double entry accounting system, under tranche II |
| 5 | 16, 17 | Skill upgrading: The State shall ensure that the candidates for the skills upgrading program under the Project shall be selected from the official in the municipal cadre in Bhagalpur, Darbhanga, Gaya and Muzaffarpur to ensure that the trained human resources will be retained in ULBs. The State shall ensure and cause that the ULBs of Bhagalpur, Darbhanga, Gaya and Muzaffarpur undertake each of the activities listed in the Urban Service Financial Governance and Delivery Improvement Action Plan as set out in Schedule 1 to the FFA, and implement these in accordance with the time frame set against the relevant measure. | Being Complied. Currently only Bhagalpur city is covered | Being Complied. Currently only Bhagalpur city is covered. |
| | | Environmental Safeguards covenants | | |
| 4 | 7 | Conditions for Award of Contracts: The EA shall not award any works contracts which involves environmental impacts until the EA has: (a) Obtained the final approval of the IEE from ADB; and (b) Incorporated the relevant provisions from the EMP into the works contract. | Being Complied. The contract was awarded after the IEE report was approved by the ADB; & the relevant provisions from the EMP were incorporated in the contract. | Complied |
| 5 | 3 | Environment: The Borrower shall ensure or cause the EA to ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project, and all Project facilities comply with (a) all applicable laws and regulations of the Borrower and the State relating to environmental, health, and safety; (b) the Environmental | Not Complied for (a). The facility owner needs to obtain consent to operate the Barari water treatment works; and ensure that the treated water quality complies | (a) CTO- Application submitted to PCB, Patna. Delay is owe to non-finalization of Sludge Disposal land which is under finalization. (b) Partially |

| | | | | |
|---|----|--|--|--|
| | | Safeguards; (c) the EARF; and (d) all measures and requirements set forth in the respective IEE and EMP, and any corrective or preventive actions set forth in a Safeguards Monitoring Report. | with the national standards for drinking water. Partially complied for (b), (c) and (d). | complied (c) EARF Submitted (d) Being Complied |
| 5 | 7 | Human and Financial Resources to Implement Safeguards Requirements The Borrower shall make available or cause the EA to make available necessary budgetary and human resources to fully implement the EMP, the RP and the IPP. | Complied with The EA has confirmed that necessary budget and human resources will be made available to implement the EMP. | Complied |
| 5 | 8 | Safeguards and other Provisions in Bidding Documents and Works Contracts The Borrower shall ensure or cause the EA to ensure that all bidding documents and contracts for Works contain provisions that require contractors to: (a) Comply with the measures and requirements relevant to the contractors set forth in the IEE, the EMP, the RP and the IPP (to the extent they concern impacts on affected people during construction), and any corrective or preventive actions set out in a Safeguards Monitoring Report; (b) Make available a budget for all such environmental and social measures; (c) Provide the EA with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEE, the EMP, the RP or the IPP; (d) Adequately record the condition of roads, agriculture land and other infrastructure prior to starting to transport material and construction; and (e) Fully reinstate pathways, other infrastructure, and agricultural land to at least their pre-project condition upon the completion of consortium. | Complied with For (a) and (b) Being complied with for(c) and (d) Not yet due For (e) | Complied with For (a) and (b) Being complied with for(c) and (d) Not yet due For (e) |
| 5 | 10 | Safeguards Monitoring and Reporting The Borrower shall do the following or shall cause the EA to do the following: (a) Submit semi-annual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission; (b) If any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEE, the EMP, the RP or the IPP as a applicable, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed correctives action plan; and (c) Report any breach of compliance with the measures and requirements set forth in the EMP, the RP or the IPP promptly after becoming aware of the breach. | Being Complied with for (a) and (b) Not yet due for (b) and (c) | Being Complied with for (a) and (b) Not yet due for (b) and (c) |
| 5 | 11 | Prohibited List of Investments The Borrower shall ensure or cause the EA to ensure that no proceeds of the Loan are used to finance any activity included in the list of prohibited investment activities provided in Appendix 5 of the SPS. | Complied with The EA has confirmed that no proceeds of the Loan are used to finance any activity included in the | Complied with The EA has confirmed that no proceeds of the Loan are used to finance any activity included in |

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| | | | <p>list of prohibited Investment activities provided in Appendix 5 of the SPS.</p> | <p>the list of prohibited Investment activities provided in Appendix 5 of the SPS.</p> |
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Appendix 17B

TIME BOUND ACTION PLAN
(Agreed with Government of Bihar on 29 April 2017)

| No | Action Required | Responsibility | Completion date | Status as on 30.06.2017 |
|-----------|--|---------------------------|---|---|
| A. | General | | | |
| 1. | UDHD to fill the vacant position for Social Safeguard Expert in PIU, Bhagalpur and Contract Management Specialist (intermittent) in PMU. | UDHD | 30 June 2017 | Social Safeguard Expert in PIU – post advertised on 5/6/17 |
| 2. | Seek replacement of Mechanical Expert in DSC. | PMU | 10 May 2107 | Complied |
| 3. | Submit CV of replaced Mechanical Expert in DSC. | DSC | 20 May 2017 | Submitted by DSC |
| 4. | Review the CV and seek ADB's endorsement for replaced Mechanical Expert in DSC. | PMU | 27 May 2017 | Under Process |
| 5. | Retaining of contract management specialist in PMC, on intermittent basis, to advise PMU/PIU on contractual issues. | PMC/PMU | 30 May 2017 | CV submitted & approved, Remuneration to be approved by ADB |
| 6. | Separate out and process 2 interim bills in a month, one for operation and maintenance and other for EPC works, starting from interim bill of April 2017. | DSC/PIU | May 2017 | Complied |
| 7. | Delegate the power to PIU for release of payments to the contractor | GOB | 1 June 2017 | Being Completed |
| 8. | Ensure timelines for processing of payment to the contractor and submission of claims to CAAA/ADB, as agreed at Appendix 3 of the Aide Memoire | Contractor/DSC PIU/PMU | Every month starting from interim bill of May 2017. | Being Completed |
| 8. | Ensure deployment of site supervisor of DSC and PIU personnel to ensure witnessing and endorsing of the water quality tests conducted by the contractor on holidays and Sundays. | PIU | Immediate and Continuous | In process |
| 9. | Restructuring of PMU and PIUs to have the flow of technical, administrative and financial matters of Project, as per the organogram agreed at Appendix 4 of the Aide Memoire. | BUIDCO | 30 May 2017 | Partially Completed |
| 10. | Submission of detailed variation proposals to BUIDCO for the DSC and PMC consultancy assignment. | DSC/PMC | 15 May 2017 | PMC submitted |
| 11. | Review, endorsement and submission of the variation proposals of DSC and PMC to ADB for approval. | PMU | 30 May 2017 | In Process |
| 12. | Confirm and communicate to the PMU on one full time Project Director for the Project, along with CV of the | Contractor | 15 May 2017 | Not Complied |
| 13. | Resolution of water tariff reform. | BMC/BUIDCO | 30 June 2017 | To be done |
| 14. | Handover the store and inventory at the Barari water works. | BMC/PIU | 15 June 2017 | In process |
| 15. | Filling up the vacant positions in BMC, which has resulted due to retirement of the staff. | BMC | 30 June 2017 | Commissioner BMC ensured to fill vacant position through Third party contractual agreement. |
| 16. | Assign one person from BMC, who would coordinate for the works being implemented under ADB Project and smart city project. | BMC | Immediate | |

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|-------|---|--------------------|-------------------------|--|
| 17. | Organize and Convening of meeting every month with BUIDCO, consultants and contractor to review the progress of the Project under the chairmanship of Development Commissioner. | BUIDCO | Starting from June 2017 | Complied |
| 18. | Providing of commitment to DEA, with a copy to ADB, as a precondition to loan extension, addressing the issues highlighted at para 19 of the Aide Memoire. | GOB | 15 May 2017 | Complied |
| 19. | Rehabilitation of Barari Water Works | | | |
| a) | Discussion and finalization of all design & drawing in consultation with DSC expert at site | DSC/ Contractor | 26 May 2017 | Complied |
| b) | Revised submission of all design & drawings as agreed with the DSC expert | Contractor | 9 Jun 2017 | Partially complied. Soft copy of Hydraulic design submitted on 17.6.14. |
| c) | Approval of revised submission | DSC | 20 Jun 2017 | Not Complied. PIRH not submitted |
| 20. | Chlorination Buildings (2 nos) | | | |
| a) | Civil Works | | | |
| (i) | Construction upto plinth beam | Contractor | 4 Aug 2017 | Not Started |
| (ii) | Casting of roof slab | Contractor | 8 Sep 2017 | |
| (iii) | Completion of civil works | Contractor | 3 Oct 2017 | |
| b) | Electromechanical works | | | |
| (i) | Submission of data sheet | Contractor | 20 Jun 2017 | Not Submitted |
| (ii) | Approval of data sheet | DSC | 27 Jun 2017 | |
| (iii) | Supply, installation and commissioning | Contractor | 15 Nov 2017 | |
| 21. | Construction of 33 kV sub-station | | | |
| a) | Civil works | | | |
| (i) | Construction upto plinth beam | Contractor | 4 Aug 2017 | Not Started |
| (ii) | Casting of roof slab | Contractor | 23 Sep 2017 | |
| (i) | Completion of civil works | Contractor | 18 Oct 2017 | |
| b) | Electro Mechanical works | | 7 Feb 2018 | |
| (i) | Revised Submission of Drawings & Data Sheet, sizing calculation for MCP, etc. | Contractor | 20 Jul 2017 | Not Submitted |
| (ii) | Approval of Data Sheet & calculations | DSC | 27 Jul 2017 | |
| (iii) | Supply of equipment, installation & Commissioning | Contractor | 7 Feb 2018 | |
| 22. | Chemical house | | | |
| a) | Civil works | | | |
| (i) | Casting of roof slab | Contractor | 14 Aug 2017 | Work Stopped from 18 th April 17 |
| (ii) | Completion of civil works | Contractor | 21 Aug 2017 | |
| b) | Electromechanical works | | | |

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|-------|---|------------|--------------|---|
| (i) | Submission of drawings & data sheet | Contractor | 12 Jul 2017 | Not Submitted |
| (ii) | Approval of data sheet | DSC | 27 Jul 2017 | |
| (iii) | Supply and installation & Commissioning | Contractor | 12 Oct 2017 | |
| 23. | Elevated Service Reservoirs (ESRs) | | | |
| a) | Ensure physical takeover of all 19 sites. | PIU | 30 Jun 2017 | |
| b) | Erect barbwire fencing around all 19 sites and put up notice board, as per standard template, with project and contact details. | Contractor | 15 July 2017 | Not Complied |
| 24. | Construction Works of ESR at Thakurwadi | | | |
| a) | Bottom of dome | Contractor | 18 Jun 2017 | In Progress |
| b) | Top of dome | Contractor | 17 Aug 2017 | |
| c) | Piping and miscellaneous | Contractor | 21 Sep 2017 | |
| d) | Hydraulic testing | Contractor | 15 Oct 2017 | |
| 25. | Construction Works of ESR at Tilka Manji Bhagalpur University | | | |
| a) | Top of dome | Contractor | 24 Aug 2017 | Work Stopped from 30.04.17 due to non-availability of shuttering material |
| b) | Piping and miscellaneous | Contractor | 28 Sep 2017 | |
| c) | Hydraulic testing | Contractor | 28 Oct 2017 | |
| 26. | Construction Works of ESR at Road Construction Division, Adampur | | | |
| a) | Upto ground level | Contractor | 18 Jun 2017 | Partially complied. Excavation completed. |
| b) | Bottom of dome | Contractor | 16 Oct 2017 | |
| c) | Top of dome | Contractor | 15 Dec 2017 | |
| d) | Piping and miscellaneous | Contractor | 19 Jan 2018 | |
| e) | Hydraulic testing | Contractor | 18 Feb 2018 | |
| 27. | Construction Works of ESR at Bazar Samiti | | | |
| a) | Submission of design and drawings | Contractor | 10 May 2017 | Complied |
| b) | Approval of design and drawings | DSC | 17 May 2017 | Complied |
| c) | Upto ground level | Contractor | 8 Jul 2017 | Work not started |
| d) | Bottom of dome | Contractor | 5 Nov 2017 | |
| e) | Top of dome | Contractor | 4 Jan 2018 | |
| f) | Piping and miscellaneous | Contractor | 8 Feb 2018 | |
| 9) | Hydraulic testing | Contractor | 10 Mar 2018 | |
| 28. | Construction Works of ESR at Surkhikal | | | |
| a) | Confirmation of site | PIU/ PMU | 7 May 2017 | |
| b) | Upto ground level | Contractor | 16 Jul 2017 | |
| c) | Bottom of dome | Contractor | 3 Nov 2017 | |
| d) | Top of dome | Contractor | 2 Jan 2018 | |
| e) | Piping and miscellaneous | Contractor | 6 Feb 2018 | |
| f) | Hydraulic testing | Contractor | 8 Mar 2018 | |

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| 29. | Construction Works of ESR at Housing Board | | | |
| a) | Resolving issue of land and handing over the site to the | PIU/ PMU | 15 May 2017 | Resolved |
| b) | Remobilization of vendor | Contractor | 30 May 2017 | Complied |
| c) | Upto ground level | Contractor | 30 Jun 2017 | Complied |
| | Bottom of dome | Contractor | 18 Oct 2017 | |
| e) | Top of dome | Contractor | 17 Dec 2017 | |
| f) | Piping and miscellaneous | Contractor | 31 Jan 2018 | |
| g) | Hydraulic testing | Contractor | 2 Mar 2018 | |
| 30 | Construction Works of ESR at Anand Nagar | | | |
| a) | Submission of design and drawings | Contractor | 23 May 2017 | Complied |
| b | Approval of design and drawings | DSC | 30 May 2017 | Not complied. Not approved by DSC due to land issue |
| c) | Upto ground level | Contractor | 3 Aug 2017 | |
| d) | Bottom of dome | Contractor | 21 Nov 2017 | |
| e) | Top of dome | Contractor | 20 Jan 2018 | |
| f) | Piping and miscellaneous | Contractor | 24 Feb 2018 | |
| q) | Hydraulic testing | Contractor | 26 Mar 2018 | |
| 31. | Construction Works of ESR at BMC Godown | | | |
| a) | Submission of design and drawings | Contractor | 7 Jun 2017 | Complied |
| b) | Approval of design and drawings | DSC | 14 Jun 2017 | Partially complied. DSC send back to contractor for required compliance |
| c) | Upto ground level | Contractor | 8 Aug 2017 | |
| d) | Bottom of dome | Contractor | 22 Oct 2017 | |
| e) | Top of dome | Contractor | 21 Dec 2017 | |
| f) | Piping and miscellaneous | Contractor | 20 Jan 2018 | |
| g) | Hydraulic testing | Contractor | 18 Feb 2018 | |
| 32. | Construction Works of ESR at AbirMisra | | | |
| a) | Submission of design and drawings | Contractor | 22 Jun 2017 | Not complied |
| b) | Approval of design and drawings | DSC | 29 Jun 2017 | |
| c) | Upto ground level | Contractor | 13 Aug 2017 | |
| d) | Bottom of dome | Contractor | 27 Oct 2017 | |
| e) | Top of dome | Contractor | 26 Dec 2017 | |
| f) | Piping and miscellaneous | Contractor | 25 Jan 2018 | |
| g) | Hydraulic testing | Contractor | 24 Feb 2018 | |
| | Distribution Network (150 Km) | | | |
| 33. | Procurement: Lot 2 DI pipes and fittings (30Km) | | | |
| 3) | Request for inspection | Contractor | 3 May 2017 | Complied |
| b) | Inspection of pipes | DSC/ PIU | 5 May 2017 | Complied |
| c) | Pipes to be received at site | Contractor | 20 May 2017 | Complied |
| 34. | Procurement: Lot 3 DI pipes and fittings (20 Km) | | | |
| a) | Request for inspection | Contractor | 15 Jul 2017 | |
| b) | Inspection of pipes | DSC/ PIU | 22 Jul 2017 | |
| c) | Pipes to be received at site | Contractor | 6 Aug 2017 | |
| 35. | Procurement: Lot 4 DI pipes and fittings (40 Km) | | | |
| a) | Request for inspection | Contractor | 1 Oct 2017 | |
| b) | Inspection of pipes | DSC/ PIU | 8 Oct 2017 | |
| c) | Pipes to be received at site | Contractor | 23 Oct 2017 | |
| 36. | Procurement: Lot 4 DI pipes and fittings (27 Km) | | | |
| a) | Request for inspection | Contractor | 2 Jan 2018 | |

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| b) | Inspection of pipes | DSC/ PIU | 9 Jan 2018 | |
| c) | Pipes to be received at site | Contractor | 24 Jan 2018 | |
| 37. | Lowering and laying of pipe including hydro testing and road restoration | | | |
| a) | Lot 1 (27 Km Pipes received at site) | | | |
| (i) | Hydro-testing and thrust block | Contractor | 24 Jul 2017 | |
| b) | Lot 2 (20 Km) | | | |
| (i) | Lowering and laying | Contractor | 30 Jun 2017 | |
| (ii) | Hydro-testing and thrust block | Contractor | 28 Aug 2017 | |
| (iii) | Completion of road restoration for 47 Km | | 3 Nov 2017 | |
| c) | Lot 3 (25 Km) | | | |
| (i) | Lowering and laying | Contractor | 30 Sep 2017 | |
| (ii) | Hydro-testing and thrust block | Contractor | 28 Jan 2018 | |
| (iii) | Completion of road restoration | Contractor | 29 Mar 2018 | |
| d) | Lot 4 (40 Km) | | | |
| (i) | Lowering and laying | Contractor | 31 Dec 2017 | |
| (ii) | Hydro-testing and thrust block | Contractor | 27 Feb 2018 | |
| (iii) | Completion of road restoration | Contractor | 28 Apr 2018 | |
| e) | Lot 5 (38 Km) | | | |
| (i) | Lowering and laying | Contractor | 31 Mar 2018 | |
| (ii) | Hydro-testing and thrust block | Contractor | 30 May 2018 | |
| (iii) | Completion of road restoration | Contractor | 30 Jun 2018 | |
| | Customer Service Centre | | | |
| 38. | Civil works | | | |
| a) | Casting of roof slab (1st floor) | Contractor | 29 Jun 2017 | Partially Complied. Plinth level completed. work stopped from 21.3.17 |
| b) | Plaster and flooring up to 1st floor | Contractor | 7 May 2017 | Not Started |
| c) | Casting of roof slab (2nd floor) | Contractor | 13 Aug 2017 | |
| d) | Plaster and flooring up to 2nd floor | Contractor | 5 Aug 2017 | |
| e) | Plumbing and sanitary | Contractor | 20 Aug 2017 | |
| f) | Area development - landscaping and approach road | Contractor | 20 Aug 2017 | |
| 39. | Social Safeguards | | | |
| 40. | Updating of RP with all APs including temporary impacts due to pipe laying, construction of ESRs and rehabilitation of existing ESRs | DSC/PIU/PMU | 31 Aug 2017 | DMS being carried out |
| 41. | Translation of grievance registration form in Urdu and make form available in all the three languages (Hindi, Urdu and English) at construction sites, CSC, BMC, PIU and contractor's office | DSC/PIU/PMU | 30 May 2017 | Translation in Urdu Completed. Copy has been made available at CSC. |

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| 42. | Provide skill up gradation training to one AH | PIU/PMU | 30 May 2017 | One AH Mr. Mithilesh Kumar S/o Ms. Asha Devi has undergone DCA & is equipped in desktop works. He, therefore requested, if possible, to provide him financial assistance in purchasing a desktop/ laptop and printer from the fund earmarked for skill training so as to enable him start his own business. |
| 43. | Disclosure of the RF and RP on BUIDCO website | PMU | 30 May 2017 | ongoing |
| Environmental Safeguards | | | | |
| 44. | Compliance with Statutory Environmental Regulations: BUIDCO shall ensure that (i) all applicable statutory environmental approvals /permits at the national, state and local levels are obtained for the Project by the facility owners and the civil works contractors prior to commencement of the civil works; (ii) the relevant environmental approvals /permits are renewed in timely manner so that the activities undertaken under the Project continue to be fully compliant with the regulatory requirements of India; and (iii) the terms and conditions stipulated in all such environmental approvals /permits are fully complied with. | ESMC, PMU, PIU, PMC, DSC, facility owners, and Contractors | For (i) Immediately, for (ii) by 30 June 2017 and on ongoing basis thereafter. | (i) Ongoing (ii) CTE expired on 9sept'16. Application for renewal submitted on 5 Sept'16 to PCB. (iii) CTO- online proposal submitted. NOC to be received Being delayed due to non-availability of land for sludge disposal |
| 45. | BUIDCO shall ensure that the construction materials are sourced by the civil works contractors from licensed and statutorily compliant mines, quarries, borrow areas and construction equipment. | ESMC, PMU, PIU, PMC, DSC, and Contractors | Immediately and on on-going basis thereafter. | complied |
| 46. | Strengthening Institutional Arrangements for Environmental Management: BUIDCO shall ensure that full-time, qualified and experienced environmental professionals are recruited at PIU (Bhagalpur) and DSC till closure of the Project. | ESMC, PMU, PIU, PMC, and DSC | Immediately, | Process has been initiated |
| 47. | Strengthening Civil Works Contractors' Environmental Performance: BUIDCO shall ensure that the civil works contractors engage qualified and suitably experienced environment and safety officers. | ESMC, PMU, PIU, PMC, DSC, and Contractors | As and when the new work sites are initiated. | Two environment specialist/ safeguard officer from Contractor side are already placed at Bhagalpur |
| 48. | Public Disclosure of Environmental Documents: BUIDCO shall ensure that the soft and hard copies (as applicable) of summaries of environmental assessment documents in local language are made available at site offices of PIU (Bhagalpur), DSC, and civil works contractors. | ESMC, PMU, PIU, PMC, DSC, and Contractors | Immediately. | Complied |

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| 49. | Public Consultations: BUIDCO to ensure that adequate public consultations are carried out with the local residents during implementation by (i) ESMC and PIU staff; (ii) the environmental experts and site staff from the PMC and DSC; and (iii) the environment and safety officers of the civil works contractors; and (iv) the inputs from these consultations are incorporated during implementation of funds. | ESMC, PMU, PIU, PMC, DSC, and Contractors | On on-going basis | Ongoing. |
| 50. | Environmental Reporting: The DSC shall ensure that (i) the civil works contractors submit monthly environmental monitoring reports in agreed formats to DSC; and (ii) the monthly and quarterly environmental monitoring reports are submitted by DSC to the PIU (Bhagalpur) for onward submission to ESMC in timely manner. The ESMC shall ensure that these reports are reviewed, analyzed and consolidated for submission of semi-annual reports to | ESMC, PMU, PIU, PMC, DSC, and Contractors | On on-going basis | the process being streamlined |
| 51. | BUIDCO to ensure that a brief report on implementation of environmental safeguards is included in the quarterly progress report being submitted to ADB. | ESMC, PMU, PIU, PMC, DSC, and Contractors | On on-going basis | Complied |
| 52. | Capacity Building of Project Personnel: (i) BUIDCO shall continue to nominate its staff (ESMC, PMU and PIU) to participate in the upcoming capacity building programs being organized by ADB on environmental safeguards; and (ii) The environmental experts from PMC and DSC will conduct periodic training programs on environmental safeguards for the staff from PMU, PIU, PMC, DSC's and civil works contractors. | ESMC, PMU, PIU, PMC, DSC, and Contractors | On-going activity. | PMC imparted training on 21 st Dec'2016 to PIU/DSC contractor safety & Lab officer, Analyst & site Engineer. Ongoing basis as and when required |
| 53. | Periodic Review Meetings: The environment experts from ESMC, PMC and DSC to hold periodic review meetings with environment staff, INRM at INRM in New Delhi until the closure of the Project. | ESMC, PMC, DSC, and INRM, ADB | The next review meeting is tentatively scheduled for July 2017. | Date not finalized by ADB |