

**Bihar Urban Infrastructure Development Corporation Ltd**



**Bihar Urban Development Investment Program (BUDIP)**

## **QUARTERLY PROGRESS REPORT-19**

**{January'2018 to March'2018}**

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**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 Liter 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 Infra-projects Private Limited –Ranhill Utilities Sdn-Bhd Consortium, Mumbai
PIU	Project Implementation Unit.
PLT	Plate Load Test
PM	Project Manager
PMC	Program 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.

Key Dates	Achievements
31 January 2012	GoI and ADB conclude a framework financing agreement of MFF for BUDIP.
29 March 2012	ADB Approved the Multi-Tranche Financing Facility (MFF) for BUDIP
13 April 2012	ADB approved loan for the first tranche under the MFF (i.e. 2861-IND)
25 March'2013	Loan Agreement signed between Govt. of India and ADB for tranche 1 (2861-IND)
6 June'2013	Loan effective date
Overall BUDIP (Bihar Urban Development Investment Program) undertaking is scheduled over a nine-year (09) period	
31 December'2021	Extended Loan closing date (original Loan closing date was 30 June'2017)

<b>\$286 million</b>	Total Value of BUDIP
<b>\$200 million</b>	Upper limit of MFF loan amount.
<b>\$57 million</b>	Amount of Loan 2861-IND

<b>Program Executing Agency</b>	State Urban Development & Housing Department (UDHD), GOB
<b>Program Implementing Agency</b>	Bihar Urban Infrastructure Development Corporation Ltd. (BUIDCo)
<b>Program Management Consultant</b>	The Royal HaskoningDHV Nederland B.V. (with sub consultant)

### 1.2 Scope of the Project (BUDIP)

#### Objectives, impact and outcome of BUDIP-

**Objective:** 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.

**Impact:** Improved access to water supply and sanitation facilities by the urban population of the relatively poor and weak capacity state of Bihar.

**Outcome:** Access to better quality and sustainable urban water supply & 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
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 <b>Bhagalpur and Gaya</b> .
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.
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.
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 ULBs.
Project management, implementation skills & 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.

## Project progress

### 1.3 Project Performance

#### 1.3.1 Project Rating

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

#### 1.3.2 Physical Progress (BUDIP)

- Implementation Schedule at **Appendix-2**. : Enclosed. It is to be revised in view of the remaining works of milestone 1 covering with milestone 2<sup>nd</sup> and 3<sup>rd</sup> to meet the targets but it is pending due to non-receipt of Work Program from contractor & DSC.
- Physical Progress Sheet in **Appendix -3**–(Target 55%; Achievement 26.68 %)

#### 1.3.3 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)
<b>Achievement till last Quarter ( Up to Dec'17)</b>			
BUDIP/PMC/01	Program Management Consultant.	7.55	2.86
BUDIP/DSC/01	Design Supervision Consultant.	6.53	2.87
BUDIP/PCSS/03	Project Management and Implementation	0.00	0.84
BHWS/01	Rehabilitation, Construction, O&M and Management of BWSP1	48.30	8.44
<b>Total</b>		<b>62.38</b>	<b>15.01</b>
<b>Current Quarter Achievement ( Jan'18 to March'18)</b>			
BUDIP/PMC/01	Project Management Consultant.	0	0.06
BUDIP/DSC/01	Design Supervision Consultant.	0	0.05
BUDIP/PMU/01	Project Management and Implementation	0	0.10
BHWS/01	Rehabilitation, Construction, O&M and Management of BWSP1	0	0.61
<b>Total</b>		<b>0</b>	<b>0.82</b>
<b>Next Quarter Plan ( April-18 to June-18)</b>			
BUDIP/PMC/01	Project Management Consultant.	0	0.08
BUDIP/DSC/01	Design Supervision Consultant.	0	0.29
BUDIP/PCSS/03	Project Management and Implementation	0	0.05
BHWS/01	Rehabilitation, Construction, O&M and Management of BWSP1	0	1.00
<b>Total</b>		<b>0</b>	<b>1.42</b>

#### 1.3.4 ADB Loan Drawdown (in \$)

**Table 2 Loan Drawdown (Tranche 1)**

Cost Category	Allocation	Drawdown up to Dec-17 Qtr.	Drawdown in Current Quarter	Balance to Complete
Works	38,175,000	52,00678	7,93,310	3,21,8,1012
Skill Upgrading	11,000	0	0	11,000
Consulting Services	13,861,000	47,65,953	1,97,170	88,97,877
Project Management and Implementation	2,419,000	7,48,793	49,166	16,21,041
Unallocated	2,534,000	0	0	25,34,000
<b>Total</b>	<b>57,000,000</b>	<b>1,07,15,424</b>	<b>10,39,646</b>	<b>4,52,44,930</b>



**1.3.5 Government of Bihar Drawdown (\$)**

Table 3 Government Counterpart Drawdown (Tranche 1)

Cost Category	Allocation	Drawdown up to Dec-17 Qtr.	Drawdown in Current Quarter	Balance to Complete
Works	19,910,000	24,48,249	1,77,624	1,72,84,127
Skill Upgrading	0	0	0	
Consulting Services	1,930,000	6,88,863	10,665	12,30,472
Project Management and Implementation	360,000	38,995	802	3,20,203
Environment and Social Mitigation	260,000	0	0	2,60,000
Subproject Lands and Electricity	3,930,000	0	0	39,30,000
Unallocated	1,470,000	0	0	14,70,000
<b>Total</b>	<b>27,860,000</b>	<b>31,76,107</b>	<b>1,89,091</b>	<b>2,44,94,802</b>

**1.4 Project Impact, Outcome and Outputs****1.4.1 Impact and Outcome**

Improve access of better quality and sustainable urban water supply and sewerage facilities by the urban population of the relatively poor and weak capacity 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.

**1.4.2 Output 1: Water Supply Infrastructure Improved**

BUDIP intends improving water supply facilities in **Bhagalpur and Gaya**.

**Loan Tranche -1 (Loan 2861-IND)****Bhagalpur Water Supply Project Phase 1 (BWSP-1)****Scope of Work – Summary of Main Works (As per Contract and As per SIP)**

S No	Description	Unit	Qty. of Work	
			Contract	SIP
1	Topographical survey work	Km <sup>2</sup>	33	26.12
2	Consumer Survey	No.	60000	83844
3	Asset Survey	Km	150	183.51
4	Civil Work for WTP Refurbishment	Job	1	1
5	Rehabilitation of Barari Works – Process Components	Job	1	1
6	Rehabilitation of Barari Works – Electrical, Mechanical & Instrumentation	Job	1	1
7	Providing Distribution Networks including Road Cutting & Restoration Work.	KM	326	460
8	House Service Connection	No.	55000	68182
9	Establishment of Call Centre including construction	No.	1	1
10	Repairing and Commissioning Existing Call Centre	No.	2	2
11	Supply of Equipment	Lot	1	1
12	Construction of New OHSRs	No.	16	19
13	Refurbishment of Old OHT	No.	1	4
14	Provision and implementation of IT for O & M + Billing	No.	1	1
15	Operation and Maintenance Work	Year	7.5	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 Contractor:** M/S Pan India & Ranhill Pvt. Ltd. Consortium, Mumbai
- **Contract signed:** 11 July 2014
- **Contract Value:** INR 493 Cr.; **Duration:** 7.5 years [Implementation-3.5 y, O&M-7.5 y]

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

**Project Status:**

Operation & Maintenance Work: - O/M being done by Contractor since 1st July 2015. Desilting work of Ganga near intake well is in progress.

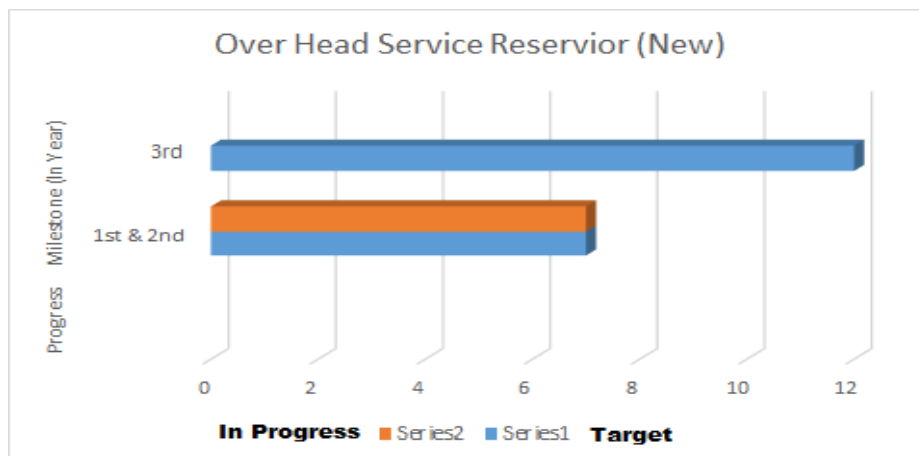
Target ( I & II year)	Previous Month	This month (Total)	Status
<b>EPC:-</b>			
<b>Clear Water Pumping Station:</b>			
2 Water Pumps	Nil	Nil	As per time bound action plan of ADB (5 February'18), the approval to be accorded by 15.2.18 for design of Two Clear Water Pumps.
<b>Clear Water EMF (Electro Magnetic Flow Meter) (WTP):</b>			
4 EMF	4 EMF installed	Nil	All installed & Commissioned. One giving absurd reading. DSC should get it checked up by calling manufacturer's representative through Contractor and take a decision.
<b>Raw Water EMF (WTP):</b>			
4 EMF	Nil	Nil	Not installed yet, in absence of which, quantity of Raw Water pumped, is not measured. DSC to look into it.
<b>Tube Wells EMF:</b>			
62	Nil	Nil	Data sheet/GA cum sectional drawings etc. of EMF Meters required at Tube wells still to be submitted by the contractor.
<b>Tube wells – Refurbishment/Re-boring</b>			
There is a provision in the contract in Section 8, Schedule 1 point 1.6 at page 00465, for re-boring of tube wells, wherever required and replacement of pumps. The tube wells which are not working or yielding low discharge with sand might be needing re-boring and replacement of pumps. DSC/ PIU to take the matter forward.			
<b>Pipe Laying:</b>			
150 km	90.77 km	4.48km(95.25 km)	Total pipe received till date 107.87 Km,
<b>Hydro testing of laid pipes:</b>			
150 km	30.27 km	1.96km(32.23 km)	Extremely slow progress of hydro testing.
<b>Rehabilitation of existing:</b>			
4 OHSR	Nil	Nil	OHTs and related DMA's yet to be started by the contractor.
<b>Consumer Service Centre (CSC) at Barari</b>			
01	Nil	Nil	Under Construction, Brick work above lintel beam started.
<b>House Service Connection (HSC):</b>			
15,000	347 Nos.	21 Nos. (368 Nos.)	House Service Connection work started from 15.12.2017, Partially completed in 2 zone (Housing board & Thakurwari)
<b>Chemical House Mechanical Filter/WTP (Refurbishment with Electro-Mechanical Work):</b>			
01	Nil	Nil	Plastering work completed on 16.2.18.

Bhagalpur Water Supply Project work done sheet							
Performance Indicator	Unit	Performance [Progress]		Targets		Committed by Contractor	
		In last Quarter	End of this Quarter	Milestone (In Year)	Physical		Dates
Rehabilitation of WTP Barari	%	Ongoing	Ongoing	1st	100	05/02/2018	30/09/18
New OHTs (reservoirs)	Number	7 in progress	7 in progress	1st & 2nd	7	05/02/2018	31/01/19
				3rd	12	01/04/2019	
		Total					19
New Distribution lines	Km	75.72	95.25	1st & 2nd	150	05/02/2018	20/04/18
				3rd	150	05/02/2019	
				4th	160.6	07/08/2019	
		Total					460
Customer Service Centers	One per 10,000 connection	1	1	5		05/02/2018	
Operation office cum CSC (Barari)	%	Ongoing	Ongoing	1st	100%	05/02/2018	31/10/18
House Service Connections	Number	68	368	1st & 2nd	20000	05/02/2018	31/12/18
				3rd	30000	05/02/2019	
				4th	18000	07/08/2019	
		Total					68000

- Dates committed during the ADB visit 5 February 2018 by the contractor (Time Bound Action Plan)

**Over Head Service Reservoirs:**

Work progress status of OHSR till 2nd year milestone											
Status Date: 30/03/2018		1 year milestone (i.e. Feb 2017)			2nd year milestone (i.e. Feb 2018)						
S. No.	% of Work	Construction Stages / Civil Component	OHSR Name								
			1	2	3	4	5	6	7	8	9
			Housing Board	Thakurbadi	TMBU	Bazar Samiti	RCD Adampur	Surkhikal	Anand Nagar	BMC Godown	Jaglal Highschool
1	20%	Soil Test (laboratory tests on selected disturbed / undisturbed soil ) (SBC)									
2		Preparation and submission of report and approval of Soil test									
3		Design submission and approval									
4		Site cleaning & Excavation									
5	20%	PCC + Foundation									
6		R/F for footing & columns upto GL									
7		Footings and staging									
8		Column upto GL (lift)									
9		Back filling upto GL									
10		GL braces									
11		Column upto brace 1									
12		Brace 1									
13		Column upto brace 2									
14		Brace 2									
15		Column upto brace 3									
16		Brace 3									
17	10%	Column upto brace 4									
18	15%	Bottom slab & beam of dome									
19	15%	Vertical wall									
20	10%	Top slab									
21	10%	Staircase, Railing and Inspection gallery									
22	15%	Installation of all fittings, piping arrangements & valves.									
23	5%	Finishing works including boundary wall									
24	5%	Hydro testing, disinfection and final testing									
25	5%	Commissioning									
26	5%	Handing over of the OHSR									
100%		Progress Status (in percent)	40%	70%	66%	40%	36%	30%	12%		



Distribution Network (Pipe Line):

Status of DMA wise laid pipe against tragets under the BWSP-1 project.												
Status Date:		31-Mar-18										
S. No.	DMA (Respective OHSR) Name	Total DMA Covered	Pipe Laying (in Km)								Pipe laid in percentage (as on date)	
			Total length	Monthly Target (Jan'18 to May'18)	Pipe Laid in Km month wise					Total in this QTR		Cumulative
					Till Dec'17	Jan'18	February'18	March'18				
1	Housing Board	3	28.19	1.778	19.3	1.61	0	0.68	2.29	21.59	77%	
2	Thakurbadi	3	21.87	1.454	14.6	0.78	0	0	0.78	15.38	70%	
3	TMBU	2	22.47	2.038	12.28	0.64	0.7	0.19	1.53	13.81	61%	
4	Bazar Samiti	3	43.02	4.344	21.3	3.1	1.23	1.39	5.72	27.02	63%	
5	RCD Adampur	2	17.37	1.996	7.39	1.06	0.19	0.44	1.69	9.08	52%	
6	Surkhikal	2	22.05	4.41	0	0	4.213	0.732	4.945	4.945	22%	
7	Anand Nagar	2	31.54	6.308	0	0	1.89	2.03	3.92	3.92	12%	
Total		24	234.09	31.844	74.87	7.19	8.223	5.462	20.875	95.745	41%	



**Glimpses of progress:**

**Water Treatment Plan Barari-**



Water level decrease



Chemical House Building



CSC building

**Construction of OHTs –**



OHT Housing Board



OHT Thakurbari



OHT Bazar samite



OHT site TNBU



RCD Adampur



Surkhikal



Anand Nagar

**DMA (Pipe laying)-**



**Tranche – 2 (120 Million \$, in which 84 M \$ ADB (Loan 3612-IND) & 34 M \$ GoB share)****Bhagalpur Water Supply Project Phase 2 (BWSP-2)****Cost:** INR 253.57**Duration:** 10 years [Implementation-2.5 y, O&M-10 y]**Scope**

- Construction of Twin D-type new intake in Ganges River (140 MLD)
- Construction of new Water Treatment Plant (90 MLD)
- Installation of Pumping Plants (6 noz. Raw water pumps, 13 noz. Clear water pumps)
- Laying of 28.7 km of new Transmission Mains and SCADA Works
- 9.1 ML Clear Water Reservoir

**Technical Status-**

- ADB finalized the project as category "B" on 24/02/17.
- DPR approved & sent to ADB. Technical approval accorded. Administrative approval (GoB) received on 29/08/17.
- IEE & RP disclosed on ADB as well as on BUIDCo website.
- Bid document submitted & NOC accorded by ADB.
- NIT (BUDICo/PMU (ADB Project) Yo. – 162/18) published on 20<sup>th</sup> March'18. Bid submission date is 18<sup>th</sup> May'18.
- Pre Bid held on 05 April 2018 at 11:00 Hrs in BUIDCo Conference Hall, Patna

**GAYA WATER SUPPLY PROJECT****Gaya Water Supply Project has been divided in 2 Packages:**

	<b>GWSP-1 (Cost: INR 311.30 Cr.)</b>	<b>GWSP-2 (Cost: INR 64.91 Cr.)</b>
	Duration: <b>5 years</b> [Implementation- 3.5 y, O & M- 4.5 y]	Duration: <b>4.5 years</b> [Implementation-1.5 y, O & M-3 y]
Scope	<ul style="list-style-type: none"> <li>• <u>Refurbishment of 29 Nos Existing Tube wells, pumps and all accessories with 68 MLD capacity</u></li> <li>• Construction of 6 OHT and 3 GLSR</li> <li>• Renovation of Existing GLSRS 7 Nos ESR 1 No</li> <li>• Laying of 447 KM Distribution System in 30 DMAs &amp; House service Connection 75000 Nos.</li> <li>• Rising main - Proposed 17.50 KM; Existing 7.2 KM,</li> <li>• SCADA; Operation and maintenance of the Existing &amp; proposed system</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of new Tube Wells -24 Nos.with 58 MLD combined capacity</li> <li>• Clear water - Reservoir 4ML-1 no.; pump house 1 no</li> <li>• Electro Mechanical items i.e. Pumps, Transformers, starters etc.,</li> <li>• Construction of ESR at Shringsthan 1 No – 3.50 ML</li> <li>• Rising main – 17 KM</li> <li>• Operator office at Dandibagh – 400 Sqm.</li> <li>• Operation and maintenance of the proposed system</li> </ul>

**GWSP1: Status -**

23 Feb 2016.	Bidding Documents approved by ADB and administrative approval (AA) accorded by GoB
17th March'16	Earlier NIT No BUIDCo/PMU (ADB Project) Yo-85/15-01 published
18th March'16	Tender floated in Newspaper with bid no as BUIDCo/BUDIP-2/ICB/01
26th April'16	Pre Bid meeting (Site visit for the bidders was conducted on 27.4.16)
Bid submission date extended from 25th May 2016 to 22 June 2016.	
22th June'16 at 15:30 Hrs.	Technical Bid Opening, 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.
31 <sup>st</sup> August'16	Revised Bid document sent to ADB on. NOC for rebidding accorded by ADB on 19.09.2016 with certain comments to be incorporated in the Bid Document
05 .12.2016	Proposed date of submission of revised floated bids
15.11.2016	Pre Bid meeting held for revised floated bid (site visit for the bidders was conducted 16.11.16)
30-01-2017	Extended date of submission of revised Floated bid
30/01/2017	Two bids received and Technical bids opened
7 April 2017	NOC received from ADB (TBER prepared and sent to ADB for NOC on 15.3.17)
29 April 2017	Price Bid opened and negotiation held on 22.08.2017
29 August'17	Revised offer received after negotiation from selected bidder
19 Sept. 2017	Financial Bid NoC received from ADB
12 October'17	LoA issued to M/s Shriram EPC Limited, Chennai. Bank Guarantee submitted by the Contractor. Contract Agreement signed on 11 January 2018. <b>Commencement/Start date is 26<sup>th</sup> March 2018.</b>

**GWSP2: Status -**

23 Feb 2016	Administrative approval (AA) accorded by GoB BID No. BUIDCo/BUDIP-2/NCB/01
6 <sup>th</sup> May 2016	Tender floated in Newspaper on. NIT No BUIDCo/PMU (ADB Project) Yo-71/15-02, Date -5 <sup>th</sup> May 2016.
26 <sup>th</sup> May 2016	Pre Bid meeting with bidders held in the Housing Board Conference Room.
27 <sup>th</sup> May 2016	Site visit to the bidders conducted
	<ul style="list-style-type: none"> <li>• Bid submission on or before 15:00 Hrs. on 15<sup>th</sup> June 2016. Extended to 05 July 2016.</li> </ul>
05 <sup>th</sup> July 2016	Opening of Technical Bid
24-08-16	Single bid received. Technical bid opened. Technical Bid Evaluation Report sent to ADB through email.
<b>07-09-2016</b>	Approval from ADB received
30-11-16	The price bid opened. GOB has amended the rules for permitting the consideration of single bid in case of externally aided programs eg. ADB, world Bank etc. Accordingly, Price Bid Evaluation Report (PBER) finalized & sent to ADB for their NOC.
18/01/2017	NOC received from ADB
10 Feb'2017	LOA issued
27.04.17	The Contractor has submitted Performance Bank Guarantee (verified by bank on 15.5.17).
05.07.17	Contract Agreement signed
NTP issued with Start Date of 1 <sup>st</sup> September 2017	
<b>Contractor is mobilizing to start the work.</b> Design mix test report submitted. Work progress very slow as per contract time line. DSC/ PIU to follow up with the Contractor and submit the report.	

**1.4.3 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 1<sup>st</sup> July 2015 and the contractor is maintaining the Water Supply of the Town, since then.

**1.4.4 Output 4: Urban Service Delivery Improved**

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

**1.4.5 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** - First Steering Committee Meeting was held on 17 November 2014 & 2<sup>nd</sup> on 12 July 2017.
- **BUDIP website-** BUIDCO has provided a link (i.e. [http://www.buidco.in/adb\\_intro.aspx](http://www.buidco.in/adb_intro.aspx)) on their website under the Tab "ADB". Latest approved documents & reports are being regularly updated and published on portal.

**1.4.6 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, 4, 9 & 10 for

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

## 1.5 Financial Management

### 1.5.1 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 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.

### 1.5.2 Work Progress

- The monthly invoices of PMC for the month of Dec to Feb-18 & DSC for the month of Nov-17 to Jan-18 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 & verification of project disbursement effected till date, including reconciliation of claim figures with books.
- Assisted in file processing.
- Price adjusted for remuneration of PMC & DSC after escalation was prepared.
- Provided financial inputs in preparation of MPR for the month of Dec to Feb-2018
- Provided EAP data for the month of Dec to Feb-2018
- Updated Cheque Issue register and fund flow for the transactions during the quarter was updated;

### 1.5.3 Withdrawal Applications and Disbursements (Tranche 1)

**Table 4 List of Withdrawal Application disbursed from BUDIP**

S N	WA No.	Date	Claim Particulars	Currency	Amount
1	WA-1	23-10-13	PMC International Mobilization Advance	EUR	1,17,545
2	RP-1	22-11-13	BUDIP Imprest Advance	USD	27,20,000
3	WA-3	25-11-13	DSC International Mobilization Advance	USD	17,753
4	WA-2	25-11-13	DSC National Mobilization Advance	INR	272,65,816
5	WA-4	28-11-13	PMC National Mobilization Advance	INR	262,40,252
6	RP-2	24-10-14	DSC International Monthly payment from August 13 to April 14	USD	1,06,247
7	RP-4	24-10-14	PMC International Monthly payment from August 13 to April 14	EUR	1,40,085
8	RP-3	24-10-14	PMC & DSC National Monthly payment July 13 to April 14 and PMU Incremental Exp. upto July 14	INR	208,92,502
9	RP-5	12-12-14	Contractor 1 <sup>st</sup> Mobilization Advance	INR	1028,71,250
10	RP-6	18-12-14	DSC International Monthly payment from May 14 to Aug-14	USD	49,000
11	RP-7	18-12-14	PMC International Monthly payment from May 14 to Sept 14	EUR	83,533
12	RP-8	18-12-14	PMC National Monthly payment from May 14 to Sept-14 & DSC from May 14 Aug 14 and PMU Incremental Exp. Upto Nov 14	INR	170,26,343
13	RP-10	27-06-15	PMC International Monthly payment from Oct 15 to March 15	EUR	1,02,890
14	RP-9	27-06-15	PMC from Oct 14 to Mar 15 & DSC from Sept 14 to Feb 15 National Monthly payment & PMU Incremental Exp. Upto 13 <sup>th</sup> Apr 15	INR	375,39,335
15	RP-11	17-12-15	PMC for Apr 15 & DSC from Mar 15 to July 15 National Monthly payment and PMU Incremental Exp. Upto Nov 15	INR	267,34,917
16	RP-11	18-12-15	PMC from May 15 to Oct 15 & DSC from Aug 15 to Sept 15 National Monthly payment.	INR	207,10,619
17	RP-12	29-02-16	Contractor 2 <sup>nd</sup> Mobilization Advance	INR	1028,71,250
18	RP-13	10-06-16	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. Upto July 16	INR	550,50,646
19	RP-14	10-06-16	PMC International Monthly payment from Apr 15 to Dec 15	EUR	1,23,550



20	RP-15	13-12-16	PMC from Apr 16 to Jun 16, DSC from Mar 16 to Jun 16 & Contractor from Mar 16 to July 16 National Monthly payment upto and PMU Incremental Exp. Upto Nov 16	INR	319,06,220
21	RP-16	21-12-16	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	31-03-17	PMC from Dec-16 & Jan-17, DSC from Nov-16 to Jan-1 & Contractor from Nov-16 and PMU upto Feb-17.	INR	128,71,621
23	RP-18	22-06-17	Contractor Monthly RA bill up to January-2017	INR	149,18,167
24	RP-19 & 20	28-08-17	PMC from Feb-17 to May-17, DSC from Jan-17 to April-17 & Contractor from up to March-17 and PMU upto July-17.	INR	290,78,663
25	RP-21	25-10-17	PMC from Jun-17 to July-17, DSC from May-17 to July-17 & Contractor from Mar-17 to Apr-17 and PMU upto Sept-17.	INR	192,44,240
26	RP-22	25-10-17	Contractor payment for RA bill No. 24 <sup>th</sup> for the month of May-17 to Jun-17	INR	239,78,600
27	RP029	17-11-17	Contractor (PAN INDIA) payment for RA bill No. 25 <sup>th</sup> for the month of July & Aug-17	INR	114,30,171
28	RP026	24-11-17	Contractor (PAN INDIA) payment for RA bill No. 26 <sup>th</sup> for the month of Aug & Sept-17	INR	97,03,399
29	RP027	29-11-17	Contractor(PAN INDIA) payment for RA bill No. 27 <sup>th</sup> for month of Sept'17 & PMC payment for month of Aug'17& Sept'17	INR	146,15,516
30	RP028	07-12-17	Contractor (PAN INDIA) payment for RA bill No. 28 <sup>th</sup> for the month of Oct-17 and DSC payment for the month of Aug -17 & Sept-17 and PMU up to Nov-17	INR	118,00,400
31	RP030	11-12-17	Contractor (PAN INDIA) payment for RA bill No. 29 <sup>th</sup> for the month of Nov-17 and PMC payment for the month of Oct & Nov-17 and DSC payment for the month of Oct-2017	INR	148,29,260

Table 5 List of Withdrawal Applications processed in BUDIP-

S N	WA No	Date	Claim Particulars	Amt. (Rs.)	Amt. US\$ (@ Rs 60/-)
1	RP031	13-03-18	Contractor (PAN INDIA) payment for RA bill No. 30 <sup>th</sup> for the month of Dec-17	1,84,55,179	3,07,586
2	RP032	28-03-18	PMC- Dec17& Jan-18, DSC-Nov17 & PMU upto 15 <sup>th</sup> March-18	1,03,02,351	1,71,706
<b>Total</b>				<b>2,87,57,530</b>	<b>4,79,292</b>

Table 6 List of Amounts Disbursed by BUIDCo from own / Imprest Fund (For reimbursement / liquidation later)

S N	Claim Particulars	Amt. (Rs.)	Amt. US\$ (@ Rs. 60/-)
1	DSC International Invoice Payment with TDS	10,92,997	18,217
2	PMC International Payment Prev. Mob Adv.	7,87,094	13,118
3	PMC National Invoice Payment with TDS	12,58,014	20,967
4	PMC International Invoice Payment with TDS	18,22,279	30,371
5	PMU Expenses paid till date to be claimed	15,24,286	25,404
6	Pan India Infraprojects Pvt Ltd. Ranhill Utilities Sdn Bhd Consortium	76,37,190	1,27,286
<b>TOTAL</b>		<b>1,41,21,860</b>	<b>2,35,364</b>

Table 7 List of Amounts disbursed against Counterpart Funds-

S No	Date	Claim Particulars	Amt. (Rs.)	Amt. \$ (@ Rs. 60/-)
01	16-03-2018	Being GST paid on operational expenses of PMU	48,128	802
02	21-03-2018	Being amount paid against PMC invoices for the month of Dec-17 to Feb-18	6,39,898	10,665
03	20-03-2018	Being amount paid against PAN India Infrastructure Pvt Ltd RA Bill Nov-17 to Jan-18	1,06,57,446	1,77,624
<b>TOTAL</b>			<b>1,13,45,472</b>	<b>1,89,091</b>

Table 8 List of Amounts disbursed out of Imprest Fund-

S No	Claim Particulars	Amt. (Rs.)	Amt. \$ (@ Rs. 60/-)
1	Project Management Consultant up to March- 2018	14,58,88,189	24,31,470
2	Design Supervision Consultant up to March- 2018	15,18,99,141	25,31,653
3	Project Management Unit up to March- 2018	4,78,77,562	7,97,959
4	Pan India Infraprojects Pvt Ltd.Ranhill Utilities Sdn Bhd Consortium 10% Mobilization Advance	35,96,39,318	59,93,988
<b>TOTAL</b>		<b>70,53,04,210</b>	<b>1,17,55,070</b>

#### 1.5.4 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.

#### 1.6 Procurement and Consulting Services

##### 1.6.1 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 01<sup>st</sup> July 2015. Development Commencement which was 01-Oct-15 is now fixed as 06-02-2016, the date of approval of SIP.

##### 1.6.2 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)

#### 1.7 Safeguards

##### 1.7.1 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**

- SEMR for the period July to December 2017 has been sent to ADB, which yet to be disclosed on ADB website
- Bhagalpur site visit conducted from 17th to 19th January 2018 for Environmental Safeguard Monitoring under BWSP-1
- Bhagalpur site visit conducted on 31<sup>st</sup> January 2018 for Environmental Safeguard Monitoring under BWSP-1
- Site visit conducted for Bhagalpur on 1<sup>st</sup>&2<sup>nd</sup> February 2018 for Environment safeguard monitoring under BWSP-1.
- Bhagalpur site visit conducted from 06.02.2018 to 09.02.2018 for Environment safeguard monitoring under BWSP-1, Meeting with DFO Bhagalpur and Meeting with PHED Lab in- charge stationed at Bhagalpur.
- Site observation report sent to SE PIU Bhagalpur
- **Emergency plan 1 for River water intake** has been started during December month and due to generation of foam in the raw water at intake point alternative option has been planned.
- **Emergency Plan -2 for River water intake** has been developed in February month (site located 500 m away from existing intake).
- Meeting with Chief Wildlife Warden, Bihar at Patna on 26.02.2018 and discussed about the requirement of NOC for new Emergency plan (Floating Intake) near Barari
- Comments given on new emergency proposal (Floating Intake)
- Comment given on Monthly Monitoring report of BWSP1 (January 2018), which has been sent to SE PIU Bhagalpur
- Draft letter has been given to APD vide PMC letter no 865 dated 13.03.2018 for "testing of water quality". .PMU has forwarded it to DTL-DSC & PIU Bhagalpur.
- CTO compliance (Sludge Management Plan) sent to BSPCB on 14.03.2018.
- Meeting with Municipal Commissioner on 20.03.2018 for apprising him about the requirement of Sludge/debris/waste disposal land. Which is long pending issue.
- Attended Technical committee meeting on 16.03.2018 for finalization of Emergency Plan (Floating Intake).

- Site visit has been conducted with PMU,ESMC from 19.03.2018 to 21.03.2018 at BWSP1 project sites for screening of application of EMP from contractor's end
- Meeting/Training on environmental safeguard and application of EMP conducted at PIU Office on 20.03.2018 in presence of PD PIU, Bhagalpur with, DSC and PIRH (contractor)
- Site visit report for BWSP1 package & MOM relating to safeguard training sent to PMU on 27.03.2018. PMU forwarded it to PIU.

#### **For Tranche 02:**

Environmental Assessment and Review Framework (EARF) for tranche 2 has been submitted to ADB on 28<sup>th</sup>March'2017. Again revised and sent to PMU on 20.06.2017.

#### **Bhagalpur Water Supply Project - 2**

- All updated IEEs of trench-2 submitted to PMU vide PMC letter no PMC-703 dated 07.07.2017. All reports disclosed in ADB website.
- Site visit to BWSP-2 Intake site on 19th January 2018 for understanding River water level status.
- Attended meeting on 28.02.2018 for finalization of BWSP2 bid document. Comments on Environment Safeguard to be added in the bid document

#### **Gaya Water Supply Project - 1**

- IEE report finalized and attached with Bid Document.
- Conditional NOC from State forest department for construction of GLSR at Ramshilla Hill and Brahamayoni hill-received.
- NOC received from Archaeological Dept. to do construction work near Vishnupad Temple and within Ramshilla Hill & Brahamayoni Hill Areas. These are state archaeological dept. protected area
- Compliance statement for forest clearance under GWSP-1 sent to APD vide PMC letter no 790 dated 23.11.2017. Pillar construction to be done as per directives of DFO Gaya

#### **Gaya Water Supply Project - 2**

- IEE report finalized and attached with Bid Document.
- Letter and document sent to APD vide PMC letter no 785 dated 22.11.2017 on Safeguard compliance requirement by GWSP-2 contractor. PMU send it to the PIU Gaya on 14.12.2017.
- Site visit for GWSP2 conducted on 08.01.2018 for review of safeguards issues, discussion with Contractor, Consultation with ITI Principal regarding construction of reservoir. NOC received from Principal ITI at Gaya for felling of tree at reservoir location.
- NOC received from DFO of Gaya on 27.01.2018 for felling of trees at ITI campus reservoir site
- Letter sent to APD on 19.03.2018 for issuance to contractor/ DSC/ PIU indicating Safeguard compliance requirement from contractor's end before start of construction work under the said package

### **1.7.2 Social Safeguards Compliance**

#### **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. The RF has been approved by ADB and a copy of the same has been made available at ADB and BUIDCo web pages1.

#### **BWSP1**

- Detailed Measurement Surveys (DMS) were conducted for 3 OHSR sites and 50 km. Of distribution mains alignments. Permanent IR impacts (relocation impact-1 household, and Cattle shed-1) were identified at Barari OHSR site. No temporary impact were identified.
- Identity cards were issued to the two Affected Families and APs were compensated incommensurate with RP.
- Final RP for phase 1 of BWSP1 comprising 03 OHSR and 50 km pipeline of the civil implementation work has been prepared and submitted to ADB. The same has been approved by ADB. A copy of the approved RP is disclosed on IA (BUIDCo) and ADB website2.
- For components to be taken up in the second phase, DMS was conducted in March – June 2017 to identify and ascertain the IR impacts due to the proposed civil implementation works. No impact of temporary and/or permanent nature has been identified in the DMS conducted so far.
- Final RP for 2 OHSR & 80 km (approx.) pipe line of the civil implementation work has been approved by ADB.

1 <https://www.adb.org/sites/default/files/project-documents/41603/41603-024-rf-en.pdf>  
[http://buidco.in/Application/GuidelineDoc/23-Aug-2017\\_00RF-BUDIP\\_Tr2.pdf.pdf](http://buidco.in/Application/GuidelineDoc/23-Aug-2017_00RF-BUDIP_Tr2.pdf.pdf)

2 <https://www.adb.org/sites/default/files/project-document/191506/41603-023-rp-03.pdf>  
[http://buidco.in/Application/GuidelineDoc/17-Aug-2017\\_0141603-023-rp-03.pdf](http://buidco.in/Application/GuidelineDoc/17-Aug-2017_0141603-023-rp-03.pdf)

- Two (02) project orientation seminars conducted. A total of 119 people comprising 98 women participated.
- Two (02) women only orientation seminars conducted. A total of 87 participants attended.
- Twenty three (23) Meaningful Public consultations conducted. A total of 267 participants comprising 111 Women participants attended. **Please refer to section 5.7.5 for details.** Relevant information pertaining to the followings were disseminated.
  - (i) Project components, benefits e.g. health, gender, socio economic development etc. that may accrue to them
  - (ii) Temporary inconvenience due to commissioning of the subproject component of BWSP -1 and
  - (iii) Significance of water conservation and ways and means to control wastage of water were
- One (01) Focus Group Discussion (FGD) was held in ward 50. A committee of volunteers has been formed to facilitate during implementation.
- One training on Social Safeguards and Gender aspects was imparted to PIU, DSC and Contractor personnel
- Monitoring and supervision of Implementation of the provisions of RP and the L section of distribution line is being carried out regularly.
- Regular supervision of the civil works is being carried out by DSC Social Expert as suggested in the RP.
- Videography of distribution pipe line alignments alongside the approved L section passing through concerned DMAs and OHSRs in Adampur, Brahpura, Bazar Samiti and Surkhikal is being carried out.
- No RP related grievance has been recorded.

**BWSP 2** - RP submitted to ADB has been approved. A copy of the approved RP is disclosed on ADB and IA (BUIDCo) website<sup>3</sup>.

**GWSP1** - RP finalized and enclosed with Bid Document. A copy of the approved RP is disclosed on ADB and IA (BUIDCo) website<sup>4</sup>.

**GWSP 2** - Due Diligence Report (DDR) was prepared and included in Bid Document

### 1.7.3 Safeguards Monitoring Report

#### Environmental:

A summary of the semi-annual Environment Safeguards Monitoring Report is presented in Appendix 12. The 8<sup>th</sup> semiannual environment monitoring report for the period Jan to June 2017 has been disclosed on ADB website.<sup>9<sup>th</sup></sup> SEMR for the period July to December 2017 has been submitted to ADB on 26.03.2018.

#### Social:

The summary of the semi-annual Social Safeguards Monitoring Report is presented in Appendix 12. 8<sup>th</sup> SSMR for the period Jan to June 2017 submitted to ADB and disclosed on ADB website<sup>5</sup>. 9<sup>th</sup> report July to December 2017 have been 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.

### 1.8 Gender & 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.

A GAP Implementation schedule for project 1 of BUDIP (BWSP1) has been prepared in consultation with ADB GAP consultant. Activities such as - project orientation seminars, women only project orientation seminars; Consultation activities with community members in service areas especially in the identified poor and slum areas, housewives, women heads of households, and heads of vulnerable households etc. are being carried out as per agreed GAP Implementation Schedule. Please refer to Appendix 14 –Gender Action Plan (GAP) Monitoring Matrix.

3 [https://www.adb.org/sites/default/files/project-documents/41603/41603-024-rp-en\\_0.pdf](https://www.adb.org/sites/default/files/project-documents/41603/41603-024-rp-en_0.pdf)  
[http://buidco.in/Application/GuidelineDoc/23-Aug-2017\\_00RP\\_BUDIP\\_Tr2-BWSP2\\_.pdf](http://buidco.in/Application/GuidelineDoc/23-Aug-2017_00RP_BUDIP_Tr2-BWSP2_.pdf)

4 <https://www.adb.org/sites/default/files/project-documents/41603/41603-024-rp-en.pdf>  
[http://buidco.in/Application/GuidelineDoc/23-Aug-2017\\_00RP\\_BUDIP\\_Tr2-GWSP1.pdf](http://buidco.in/Application/GuidelineDoc/23-Aug-2017_00RP_BUDIP_Tr2-GWSP1.pdf)

5 <https://www.adb.org/sites/default/files/project-documents/41603/41603-023-smr-en.pdf>

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 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. 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

1. Drafted the Terms of Reforms (TOR) for engagement of institutional consultancy under tranche 02 is under final stage of preparation
2. Manpower Analysis Framework and Manpower Deployment Plan for BWSP 1 in place
3. Excel based Model for Water Tariff in place
4. Draft Bihar Urban Water Policy in place.
5. Draft Bhagalpur water supply (Connection , Metering and Tariff ) Regulation in place
6. Document on Status of Accounting Reforms in BMC in place
7. Preliminary assessment of manpower scenario and accounting practices of GMC in place
8. Several Training program has been imparted to the Accounts Section of Bhagalpur Municipal Corporation on Double Entry Accounting
9. Ledgers in Tally has been created as per Chart Of Accounts of Bihar Municipal Accounting Rules and Manual
10. Comparative Tariff Chart with different cities is in place

**1 COVENANT COMPLIANCE**

In Appendix-17-B

**2 PROGRESS ON LAST AIDE MEMOIRE WORKPLAN**

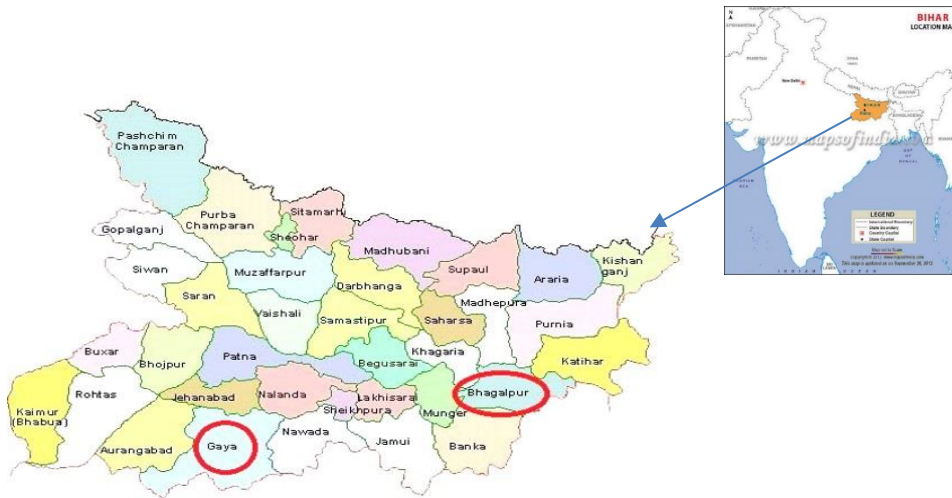
In Appendix 17-A

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2.1 Appendix 1 – Maps

Location of the two towns in the program



**2.2 Appendix 2 – Project Implementation Schedule**

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

ID	Detail Schedule	Duration	Start	Finish	Predecessor	Resource Names	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1	<b>BUDIP</b>	6118 days?	Sun 06/01/14	Sat 03/01/31																						
2	<b>BWSP1 (Tranch 01)</b>	3044 days	Sun 06/01/14	Fri 09/30/22																						
3	<b>Contract BWSP1</b>	3044 days	Sun 06/01/14	Fri 09/30/22																						
4	SIP part I & III (Operations)	421 days	Wed 10/01/14	Wed 11/25/15																						
7	SIP part II (Works)	494 days	Wed 10/01/14	Sat 02/06/16																						
12	<b>Works</b>	1278 days	Sat 02/06/16	Tue 08/06/19																						
19	<b>Operations</b>	2501 days	Thu 11/26/15	Fri 09/30/22																						
22	<b>Resettlement</b>	102 days	Sat 07/18/15	Tue 10/27/16																						
34	<b>Environmental</b>	175 days	Sat 08/01/15	Fri 01/22/16																						
39	<b>Communication /PR/CAP</b>	288 days	Thu 01/01/15	Thu 10/15/15																						
51	<b>Utility Reforms</b>	3043 days	Sun 06/01/14	Thu 09/29/22																						
79	<b>BWSP2 - new source works (Tranch 02)</b>	5765 days	Sat 05/30/15	Sat 03/01/31																						
80	<b>Selection of water source</b>	308 days	Sat 05/30/15	Fri 04/01/16																						
87	<b>Planning and Design</b>	698 days	Sat 04/02/16	Wed 02/28/18																						
100	Bidding Process	180 days	Tue 03/20/18	Sat 09/15/18	99																					
101	Construction	910 days	Sun 09/16/18	Sat 03/13/21	100																					
102	Operation and Maintenance	3640 days	Sun 03/14/21	Sat 03/01/31	101																					
103	<b>GWSP1 (Tranch 02)</b>	2895 days	Wed 04/22/15	Sat 03/26/23																						
104	Completion of Bidding Documents	70 days	Wed 04/22/15	Tue 06/30/15																						
105	Adjustment of design - transmission mains	46 days	Tue 07/14/15	Fri 08/28/15																						
106	addendum to Bid Document	16 days	Fri 08/28/15	Sat 09/12/15																						
107	Administrative Approval	159 days	Fri 09/18/15	Tue 02/23/16																						
108	<b>Bidding Process</b>	386 days	Fri 03/18/16	Fri 04/07/17	107																					
117	<b>Contract Implementation</b>	1279 days	Mon 03/26/18	Fri 09/24/21																						
123	<b>Operations</b>	1638 days	Tue 03/27/18	Mon 09/19/22																						
124	operations preparation	182 days	Tue 03/27/18	Mon 09/24/18	118																					
125	Part 4: water source & transmission	1643 days	Tue 09/25/18	Sat 03/25/23	124																					
126	Part 5: existing distribution	1096 days	Tue 09/25/18	Fri 09/24/21	124																					
127	Part 6: DMAs	1369 days	Thu 03/28/19	Sun 12/25/22	120																					
128	Part 7: Training	1643 days	Tue 09/25/18	Sat 03/25/23	124																					
129	Resettlement	1 day	Tue 08/01/17	Tue 08/01/17																						
130	Environmental	1 day	Tue 08/01/17	Tue 08/01/17																						
131	Utility Reform	1 day	Tue 08/01/17	Tue 08/01/17																						
132	Communication / PR / CAP	1 day	Tue 08/01/17	Tue 08/01/17																						
133	<b>GWSP2 - new source works (Tranch 02)</b>	2508 days?	Wed 04/15/16	Thu 02/24/22																						
134	<b>Planning and Design</b>	46 days	Wed 04/15/16	Sat 05/30/16																						
139	<b>Documents for loan negotiations</b>	335 days	Sun 04/26/16	Fri 03/25/16																						
151	<b>Bidding Process</b>	482 days?	Sat 03/26/16	Thu 07/20/17																						
161	<b>Contract Implementation</b>	1582 days	Fri 09/01/17	Thu 12/30/21																						
162	Commencement date	62 days	Fri 09/01/17	Wed 11/01/17	160																					
163	<b>Works</b>	1520 days	Tue 12/05/17	Tue 02/01/22	162																					
164	Implementation	546 days	Tue 12/05/17	Mon 06/03/19																						
165	Operation and Maintenance	1092 days	Fri 03/01/19	Thu 02/24/22																						

Project: BUDIP\_Projt\_Planning\_Update  
Date: Mon 04/16/18

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



















Page 1






















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

ID	Detail Schedule	Duration	Start	Finish	Predecessor	Resource Names	
1	<b>BUDIP</b>	6118 days?	Sun 06/01/14	Sat 03/01/31			
2	<b>BWSP1 (Tranch 01)</b>	3044 days	Sun 06/01/14	Fri 09/30/22			
3	<b>Contract BWSP1</b>	3044 days	Sun 06/01/14	Fri 09/30/22			
4	<b>SIP part I &amp; III (Operations)</b>	421 days	Wed 10/01/14	Wed 11/25/15			
7	<b>SIP part II (Works)</b>	494 days	Wed 10/01/14	Sat 02/06/16			
12	<b>Works</b>	1278 days	Sat 02/06/16	Tue 08/06/19			
13	Barari Water Works	366 days	Tue 07/11/17	Wed 07/11/18	7FS+520 c		
14	OHTs	1278 days	Sat 02/06/16	Tue 08/06/19			
15	Distribution Network	1278 days	Sat 02/06/16	Tue 08/06/19			
16	Consumer Connections	1278 days	Sat 02/06/16	Tue 08/06/19			
17	Customer Service Centres & MIS System	365 days	Thu 06/01/17	Thu 05/31/18	7FS+480 c		
18	Operations Office	365 days	Thu 06/01/17	Thu 05/31/18	7FS+480 c		
19	<b>Operations</b>	2501 days	Thu 11/26/15	Fri 09/30/22			
22	<b>Resettlement</b>	102 days	Sat 07/18/15	Tue 10/27/15			
34	<b>Environmental</b>	175 days	Sat 08/01/15	Fri 01/22/16			
39	<b>Communication /PR/CAP</b>	288 days	Thu 01/01/15	Thu 10/15/15			
51	<b>Utility Reforms</b>	3043 days	Sun 06/01/14	Thu 09/29/22			
79	<b>BWSP2 - new source works (Tranch 02)</b>	5755 days	Sat 05/30/15	Sat 03/01/31			
80	<b>Selection of water source</b>	308 days	Sat 05/30/15	Fri 04/01/16			
87	<b>Planning and Design</b>	698 days	Sat 04/02/16	Wed 02/28/18			
100	Bidding Process	180 days	Tue 03/20/18	Sat 09/15/18	99		
101	Construction	910 days	Sun 09/16/18	Sat 03/13/21	100		
102	Operation and Maintenance	3640 days	Sun 03/14/21	Sat 03/01/31	101		
103	<b>GWSP1 (Tranch 02)</b>	2895 days	Wed 04/22/15	Sat 03/25/23			

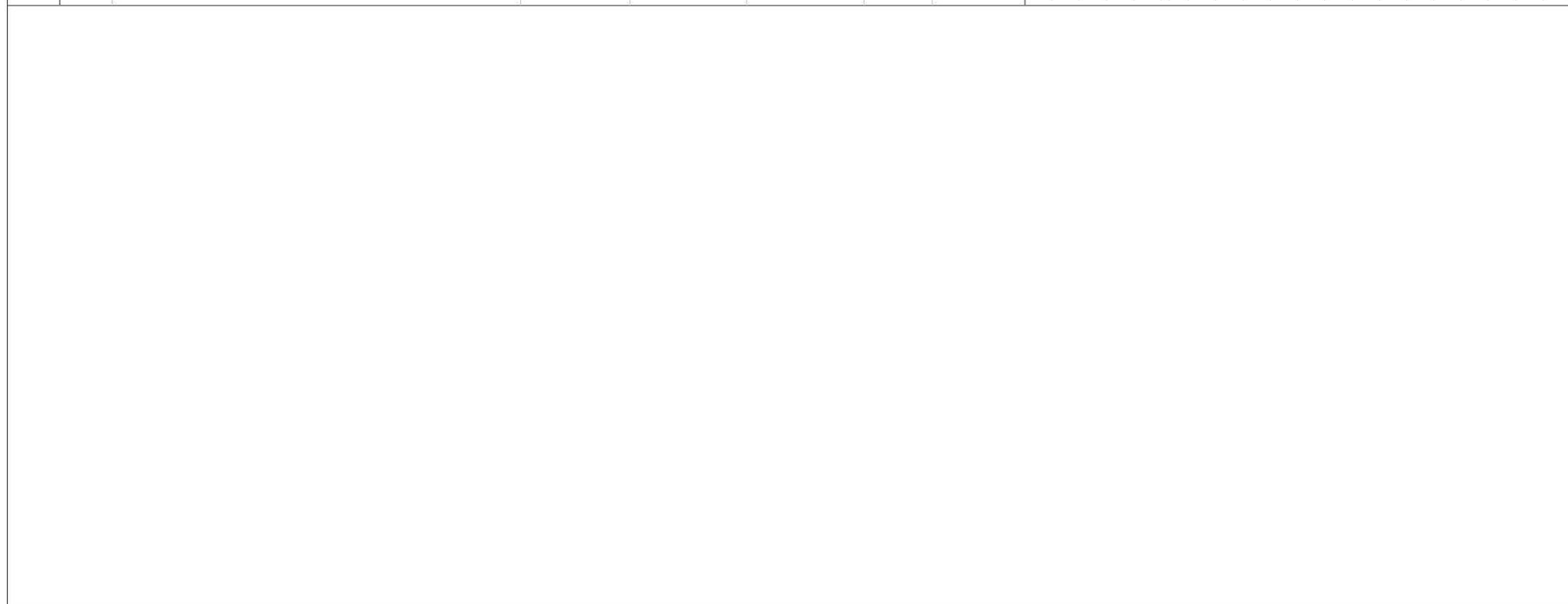
Project: BUDIP_Projct_Planning_Upda Date: Mon 04/16/18	Task		External Tasks		Duration-only		External Tasks	
	Split		External Milestone		Manual Summary Rollup		External Milestone	
	Milestone		Inactive Milestone		Manual Summary		Progress	
	Summary		Inactive Summary		Start-only		Deadline	
	Project Summary		Manual Task		Finish-only			

ID		Detail Schedule	Duration	Start	Finish	Predecess	Resource Names	
104		Completion of Bidding Documents	70 days	Wed 04/22/15	Tue 06/30/15			2015
105		Adjustment of design - transmission mains	46 days	Tue 07/14/15	Fri 08/28/15			2015
106		addendum to Bid Document	16 days	Fri 08/28/15	Sat 09/12/15			2015
107		Administrative Approval	159 days	Fri 09/18/15	Tue 02/23/16			2015
108		<b>Bidding Process</b>	<b>386 days</b>	<b>Fri 03/18/16</b>	<b>Fri 04/07/17</b>	<b>107</b>		2016
117		<b>Contract Implementation</b>	<b>1279 days</b>	<b>Mon 03/26/18</b>	<b>Fri 09/24/21</b>			2018
118		commencement date	1 day	Mon 03/26/18	Mon 03/26/18	116		2018
119		<b>Works</b>	<b>1278 days</b>	<b>Tue 03/27/18</b>	<b>Fri 09/24/21</b>			2018
120		Section 1: water source works	366 days	Tue 03/27/18	Wed 03/27/19	118		2018
121		Section 2: transmission & reservoirs	639 days	Tue 03/27/18	Wed 12/25/19	118		2018
122		Section 3: DMA works	1278 days	Tue 03/27/18	Fri 09/24/21	118		2018
123		<b>Operations</b>	<b>1638 days</b>	<b>Tue 03/27/18</b>	<b>Mon 09/19/22</b>			2018
124		operations preparation	182 days	Tue 03/27/18	Mon 09/24/18	118		2018
125		Part 4: water source & transmission	1643 days	Tue 09/25/18	Sat 03/25/23	124		2018
126		Part 5: existing distribution	1096 days	Tue 09/25/18	Fri 09/24/21	124		2018
127		Part 6: DMAs	1369 days	Thu 03/28/19	Sun 12/25/22	120		2019
128		Part 7: Training	1643 days	Tue 09/25/18	Sat 03/25/23	124		2018
129		Resettlement	1 day	Tue 08/01/17	Tue 08/01/17			2017
130		Environmental	1 day	Tue 08/01/17	Tue 08/01/17			2017
131		Utility Reform	1 day	Tue 08/01/17	Tue 08/01/17			2017
132		Communication / PR / CAP	1 day	Tue 08/01/17	Tue 08/01/17			2017
133		<b>GWSP2 - new source works (Tranch 02)</b>	<b>2508 days?</b>	<b>Wed 04/15/15</b>	<b>Thu 02/24/22</b>			2015
134		<b>Planning and Design</b>	<b>46 days</b>	<b>Wed 04/15/15</b>	<b>Sat 05/30/15</b>			2015
139		<b>Documents for loan negotiations</b>	<b>335 days</b>	<b>Sun 04/26/15</b>	<b>Fri 03/25/16</b>			2015

Project: BUDIP\_Project\_Planning\_Upda  
Date: Mon 04/16/18

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

ID	Detail Schedule	Duration	Start	Finish	Predecessor	Resource Names	
151	<b>Bidding Process</b>	482 days?	Sat 03/26/16	Thu 07/20/17			2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032
161	<b>Contract Implementation</b>	1582 days	Fri 09/01/17	Thu 12/30/21			
162	Commencement date	62 days	Fri 09/01/17	Wed 11/01/17	160		
163	<b>Works</b>	1520 days	Tue 12/05/17	Tue 02/01/22	162		
164	Implementation	546 days	Tue 12/05/17	Mon 06/03/19			
165	Operation and Maintenance	1092 days	Fri 03/01/19	Thu 02/24/22			



Project: BUDIP\_Project\_Planning\_Upda  
Date: Mon 04/16/18

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

Appendix3- Planned Physical Progress

Updated on	Milestone	Assigne d Weight	Year												Actual Progress In Weighted				
			2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Weighted Progress %						
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
	<b>1 Program Organisation</b>	<b>6</b>																	
	a Establishment of PMU	1																	97.5%
	b Establishment of PIU	0.9																	90%
	c Mobilisation of DSC	1																	95%
	d Mobilisation of PMC	1																	100%
	e Establishment of SC	1																	100%
	f Establishment of TC	1																	100%
	<b>2 Sub Project Implementation</b>	<b>54</b>																	
	<b>2.1 BWSP-1</b>	<b>11</b>																	
	a Planning and Design	1.25																	47.6%
	b Bidding and Contract Award	0.75																	100%
	c Implementation	4.5																	100%
	d O & M	4.5																	28%
	<b>2.2 BWSP-2</b>	<b>7</b>																	24%
	a Planning and Design	1																	100%
	b Bidding and Contract Award	0.75																	95%
	c Implementation	2.5																	0%
	d O & M	2.75																	0%
	<b>2.3 GWSP-1</b>	<b>11</b>																	19.0%
	a Planning and Design	1.25																	100%
	b Bidding and Contract Award	0.75																	100%
	c Implementation	4.5																	10%
	d O & M	4.5																	2%
	<b>2.4 GWSP-2</b>	<b>7</b>																	26.6%
	a Planning and Design	1																	100%
	b Bidding and Contract Award	0.75																	100%
	c Implementation	2.5																	10%
	d O & M	2.75																	0%
	<b>2.5 Gaya Waste Water I</b>	<b>11</b>																	15.5%
	a Planning and Design	1.25																	100%
	b Bidding and Contract Award	0.75																	100%
	c Implementation	4.5																	60%
	d O & M	4.5																	0%
	<b>2.6 Gaya Waste Water II</b>	<b>7</b>																	10.7%
	a Planning and Design	1.25																	60%
	b Bidding and Contract Award	0.75																	0%
	c Implementation	2.5																	0%
	d O & M	2.5																	0%
	<b>3 Utility Reform Institutional &amp; Capacity Building</b>	<b>40</b>																	
	<b>3.1 Bhaagalpur</b>	<b>20</b>																	26%
	a MoU between BUIDCo & Municipal Corporation	2																	100%
	b Ring-fencing of Water accounts	4																	100%
	c Formulation of regulations on connection, disconnection and user charges;	3																	60%
	d Establishment of an administrative advisory body for recommending user charge structure;	2																	10%
	e Optimisation of O& M staff and Skill development	3																	25%
	f 100 % O & M cost recovery	6																	0%
	<b>3.2 Gaya</b>	<b>20</b>																	18%
	a MoU between BUIDCo & Municipal Corporation	2																	100%
	b Ring-fencing of Water accounts	4																	30%
	c Formulation of regulations on connection, disconnection and user charges;	3																	10%
	d Establishment of an administrative advisory body for recommending user charge structure;	2																	0%
	e Optimisation of O& M staff and Skill development	3																	5%
	f 100 % O & M cost recovery	6																	0%
	<b>Overall Progress</b>	<b>100</b>																	26.65%



## 2.5 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 & RA Bill)	5.99 Million
2	Consulting Services	4.96 Million
3	Project Management & Implementation	0.80 Million
4	Imprest Advance from ADB	2.72 Million
<b>Total</b>		<b>14.47 Million</b>

## 2.6 Appendix 6 – Progress on Infrastructure Development - Slow Progress

## 2.7 Appendix 7- Progress on Utility Reform and Capacity Development

### 2.7.1 Utility Reform and Capacity Development –

- Drafted the Terms of Reforms (TOR) for engagement of institutional consultancy under tranche 02 is under final stage of preparation
- Manpower Analysis Framework and Manpower Deployment Plan for BWSP 1 in place
- Excel based Model for Water Tariff for BWSP 1 in place
- Draft Bihar Urban Water Policy in place.
- Document on Status of Accounting Reforms in BMC in place
- Preliminary assessment of current staffing profiles & accounting systems in the water supply section of the GMC in place
- Draft Bhagalpur water supply (Connection, Metering and Tariff ) Regulation in Place
- Several Training program has been imparted to the Accounts Section of Bhagalpur Municipal Corporation on Double Entry Accounting
- Ledgers in Tally has been created as per Chart Of Accounts of Bihar Municipal Accounting Rules and Manual

### 2.7.2 Utility Reform:

Activities in Utility Reform under BUDIP in BMC include:

- Initiated the process of ring-fencing of Accounts with the Commissioner, Bhagalpur Municipal Corporation and as a result
  - BMC assigned Mr. Pankaj Kumar, who is also accountant of BMC, to look after accounting of water supply section. Pankaj Kumar requested to initiate, however, he is also in charge of accounting of BMC and Smart City.
  - A dedicated Bank Accounts was opened in BMC.
- Excel based model for Water Tariff has been prepared. And comparative Tariff Chart with different cities has been submitted.
- Ledgers in Tally has been created as per Chart Of Accounts of Bihar Municipal Accounting Rules and Manual

Previous 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"> <li>• Developed a manpower analysis framework considering availability of different categories of staff - Permanent, Temporary and Contractual positions and factoring in retirements for the permanent staff during the BWSP1 project term</li> <li>• Integrated the findings of the TNA exercise carried out by PIRH to assess the capacity of manpower in terms of soft and technical skills in the manpower analysis framework.</li> <li>• Carried out an analysis of the existing positions Vis a Vis manpower proposed in the AOP (SIP III) to access the gap and surplus situations over the stipulated timeframe.</li> </ul> Assessed the Status of Accounting Reforms in Bhagalpur MC in	Assessment of current staffing profiles and accounting systems in the water supply section of the town in place

	the context of ring-fencing of Accounts.	
A staged action plan for introduction and adoption of the modified setup.	<ul style="list-style-type: none"> <li>• Developed a Manpower Deployment Plan for 2017 based on AOP in SIP III and Submitted the analysis to PMU for updating and subsequent consensus by PIRH to be shared with BMC</li> <li>• Drafted and submitted the Connection, Metering and Billing Regulation to Bhagalpur Municipal Corporation</li> <li>• Initiated the process of ring-fencing of Accounts with the Commissioner, Bhagalpur Municipal Corporation and as a result <ul style="list-style-type: none"> <li>○ BMC assigned Mr. Pankaj Kumar, who is also accountant of BMC, to look after accounting of water supply section. Pankaj Kumar requested to initiate</li> <li>○ A dedicated Bank Accounts was opened in BMC.</li> <li>• Excel based model for Water Tariff has been prepared.</li> </ul> </li> </ul>	
Recommendations for modifications	<ul style="list-style-type: none"> <li>• PMU and the Contractor to provide feedback on the Manpower Deployment Plan. Further the Contractor needs to provide the updates related to skill improvement and revised manpower scenario.</li> </ul>	

### 2.7.3 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.

Following activities have been undertaken in the domain of CB in MC

- Developed a manpower analysis framework considering availability of different categories of staff - Permanent, Temporary and Contractual positions and factoring in retirements for the permanent staff during the BWSP project term
- Integrated the findings of the TNA exercise carried out by PIRH to assess the capacity of manpower in terms of soft and technical skills in the manpower analysis framework.
- Carried out an analysis of the existing positions Vis a Vis manpower proposed in the AOP (SIP III) to access the gap and surplus situations over the stipulated timeframe.
- Assessed the Status of Accounting Reforms in Bhagalpur MC in the context of ring-fencing of Accounts.
- Developed a Manpower Deployment Plan for 2017 based on AOP in SIP III and Submitted the analysis to PMU for updating and subsequent consensus by PIRH to be shared with BMC

**2.7.4 Public Relation Activities** - Consultation was held with newly elected member councilor and citizen of Ward 50. A facilitation committee has been formed.

### 2.7.5 Social Safeguard

Details of Meaningful Public Consultations held in the Quarter

Sl. No.	Date	Location	Total No. of Participants	No. of Women Participants	Remarks
1	8/1/18	Mahanada bamar – Bazar Samiti	18	10	Relevant information pertaining to project components, benefits that may accrue to the citizens, water connection procedures, complaint registration through Toll free number maintained at CSC and temporary inconvenience due to commissioning of the subproject components of BWSP -1 was disseminated
2	11/1/18	Brahpura	11	0	
3	12/1/18	Bhikampur and Gwaltoli, Jogsar	11	5	
4	15/1/18	Nath Nagar – Near Railway Crossing	9	0	
5	15/1/18	Harzan Tola – Aliganj	16	4	
6	17/1/18		14	2	
7	22/2/18	Mundi Chak	15	11	
8	26/2/18	Priya Darshani nagar, Nr. Airport Anand Nagar	6	2	
9	27/2/18	Ambay Nagar slum	18	9	
10	21/3/18	Hanuman Temple, Parbati, NH 80,	6	4	
11	23/3/18	Dom Tola, Shankar Cinema	16	9	
12	28/3/18	Gandi Basti, Warsali Ganj, Bazar Samiti	21	9	
13	31/3/18	Moti Puchwa lane, Badi Khanjarpur	11	6	
<b>Total</b>			<b>172</b>	<b>71</b>	

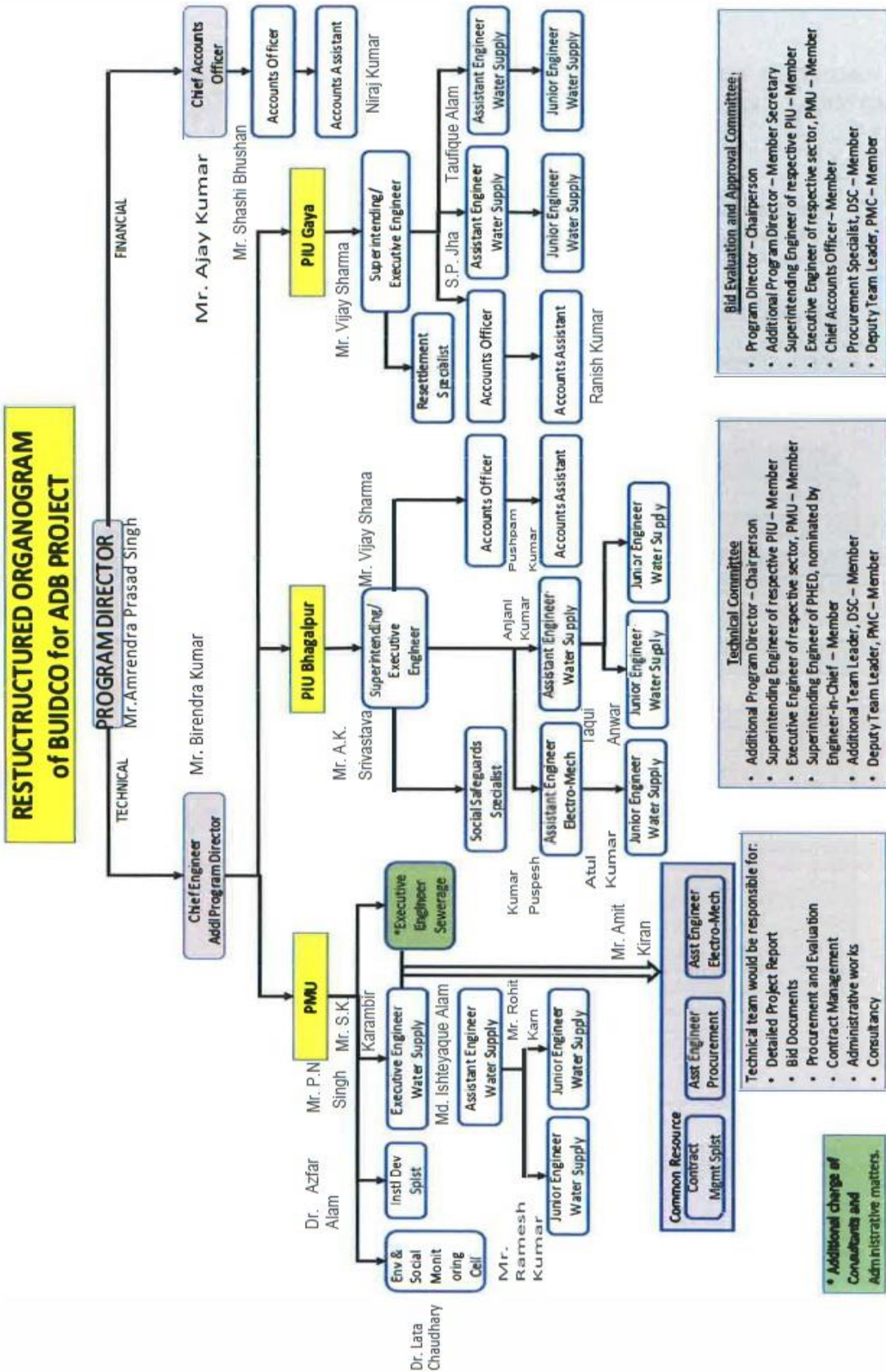
**2.8 Appendix 8 – Implementation Arrangements – Staffing**

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:

S N	Designation	No.	Seniority/ Level
<b>Key positions</b>			
1	Program Director		MD BUIDCO (Shri. Amarendra Prasad Singh)
2	Additional Program Director	1	Chief Engineer PHED (Shri Birendra Kumar)
3, 4,	Managers - water supply/ sewerage	2	Exe. Engineer - Water supply Gaya (Shri Satyendra Kumar Karambir) Executive Engineer Water Supply Bhagalpur (Shri Vijay Sharma)
5, 6, 7, 8	Program Engineers	4	Assistant Engineers in i) Water supply (Md. Ishteyaque Alam) ii) sewerage (Vacant) iii) Procurement (Vacant) iv) Mechanical & Electrical (Vacant)
9	Financial Advisor	1	Chief Account officer (Shri Ajay Kumar)
10, 11,12	Junior Program Engineers	3	1 sewerage (Shri Ramesh Kumar) / 2 water supply (Shri Rohit Karn) 3.Water supply (Vacant)
13	Finance Officer	1	In place, Shri Sashi Bhusan-CA
14	Accountant	1	Accountant (Shri 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)
<b>Non-key positions</b>			
1	Project Coordinator Cum Office Manager	1	In place (Shri Uday Kumar)
2	Office Executive	1	Support Staff (Shri Tushar Kant Purohit)
<b>PIU Bhagalpur</b>			
<b>Key Experts</b>			
1	Project Manager PIU Bhagalpur	1	Project Director - BUIDCo (Shri Yogendra Kumar)
2	Deputy Project Manager	1	Deputy Project Director – BUIDCo (Shri Md. Jahid Ahmed)
3,4	Assistant Project Manager	3	Assistant Engineer - Water supply (Shri. Anjani Kumar) Assistant Engineer water supply (Shri Kumar Puspesh) Assistant Engineer Water Supply(Vacant)
	<b>Designation</b>	<b>No.</b>	<b>Seniority/ Level</b>
5,6, 7	Junior Engineers	3	Water supply (Md. Taqui Anwar) Water supply (Shri Atul Kumar) Water supply (Shri Gyan Prakash)
9	Social Safeguard Specialist*	1	Environment/Resettlement at Assistant Engineer level (Vacant)
10	Accountant	1	Accountant (Shri Pushpam Kumar)
<b>Non-key positions</b>			
1	Office Executive	1	Support Staff (Vacant)
2	Computer Operator	1	IT Expert (Vacant)
<b>PIU Gaya</b>			
<b>Key Experts</b>			
1	Project Manager PIU Gaya	1	Project Director - BUIDCo (Shri Rakesh Kumar)
2,3	Deputy Project Manager	2	Deputy Project Director – BUIDCo (Shri Anand Mohan Singh)
4,5	Assistant Project Manager	2	Assistant Engineer - Water supply (Md. Taufique Alam) Assistant Engineer Sewerage (Shri. Shashi Kumar Jha)
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 (Shri. Ranish Kumar)
<b>Non-key positions</b>			
1	Office Executive	1	Support Staff (Vacant)
2	Computer Operator	1	IT Expert (Shri. Shashi Kumar Ranjan.)





## 2.9 Appendix 9 – Project Performance Management System PPMS

## Summary of BUDIP

## Summary (Project/Package wise in Numbers)

S No	Work Components of BUDIP	Planning & Design Stage	Bidding Stage	Implementation Stage	Post Construction Stage	Completed	Total Packages
1	Water Supply - Bhagalpur	0	1	1	0	0	2
2	Water Supply - Gaya	0	0	2	0	0	2
<b>Total</b>		0	1	3	0	0	4

- i) Under Implementation Stage BWSP1 (See Appendix 3)
- ii) Under bidding stage, Pre-Bid meeting held on 5.3.18 for BWSP2.
- iii) Agreement signed dated 11 January 2018 for GWSP1. Commencement date 26<sup>th</sup> March 2018.
- iv) Contract Signed. NTP issued with date of commencement as 01.09.2017 of GWSP2.

Note: Gaya Waste Water Project (Sewerage) is now proposed to be implemented in next incoming program BUDIP -2.

## 2.10 Appendix 10 - Procurement Activities

## Bhagalpur Water Supply Phase 1 (BWSP)

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

## 2.11 Appendix 11 – Consulting Activities - No Special report

## 2.12 Appendix 12 – Summary of Semi-Annual Safeguard Monitoring Report - Environment Monitoring

Town	Subproject	EA document	Due date	Status
Bhagalpur	BWSP1	REAC & categorization		Category B
		IEE	August 2013	IEE Disclosed on ADB Website IEE to be revised as per new emergency plan under BWSP1 (Floating Intake near Barari ghaat, if executed)
		EMP		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 is approved by ADB & disclosed on website.		
Gaya	GWSP - 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 (part of IEE) included in the Bid.

		EMR		To be done after starting of the physical work
	GWSP - 2	REAC	and 30-11-2013	Category B
		IEE	Mid 2014	IEE report included in the bid doc.
		EMP		Final EMP (part of IEE) included in the Bid.
		EMR		To be done after physical work starts

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 first year has been submitted by contractor. The Final RP for phase 1 has been shared with ADB on 31.12.2015 & disclosed on website.
		Final RP (Phase-2)	31.08.2017	The RP has been submitted to ADB 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. The RP has been submitted, approved and disclosed on website.
		Final RP		To be updated by contractor
	Gaya	GWSP Package1	Involuntary Resettlement	30-11-2013
Indigenous Peoples			30-11-2013	Category C
Draft Resettlement Plan (RP)			24-05-2014	As per final DPR
Draft Resettlement Plan (RP)			08.10.2014	Submitted to PMU
Draft Resettlement Plan (RP)			25.08.2015	Submitted to ADB. The approved RP has been included in the 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 (RP)	End2014	The SIA completed.
		Due Diligence Report		The DDR has been finalized, Included in Bid
		Final RP		To be updated by contractor

## 2.13 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 – DBO contract	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. Disclosed on a website	CTE- Received CTO-Received Compliance of CTO has been sent to Bihar State Pollution Board (BSPCB) on 14.03.18. Land for waste disposal yet to be identified by BMC. Process continued to get tree felling NOC from concerned Dept.

Table- 2- Regulatory compliance status – Environment Safeguard

Town	Package No.	Components	National and State Legal Requirement	Status (Up to date)
<b>1. Water Supply System Subproject</b>				
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)	CTE of WTP was obtained Bihar State Pollution Control Board on 9th March 2016 with conditions.  Consent to operate for existing WTP received on 08.06.2017.
			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

Town	Package No.	Components	National and State Legal Requirement	Status (Up to date)
				<p>adjoining the eco-sensitive zone shall be permitted.</p> <p>Emergency plan: NOC has been received on 23.05.2017 from APCCF cum Chief Wild Life Warden Patna.</p> <p>Due to decrease in water level at the existing water intake at Barari, Emergency work has been started to assure flow of River water to intake.</p> <p>Complied as per NOC received</p>
			<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>Tree Felling has not been done in this period. Tree Felling will be taken up as per NOC from DFO</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

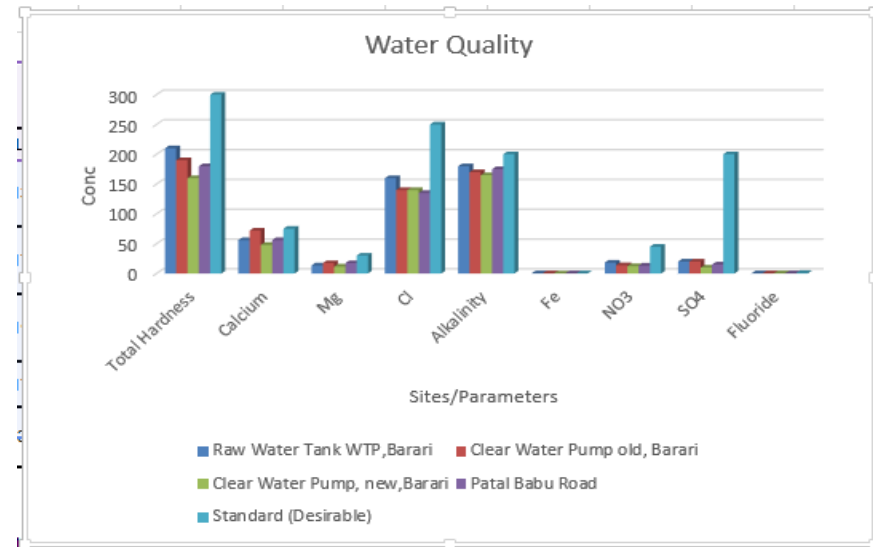
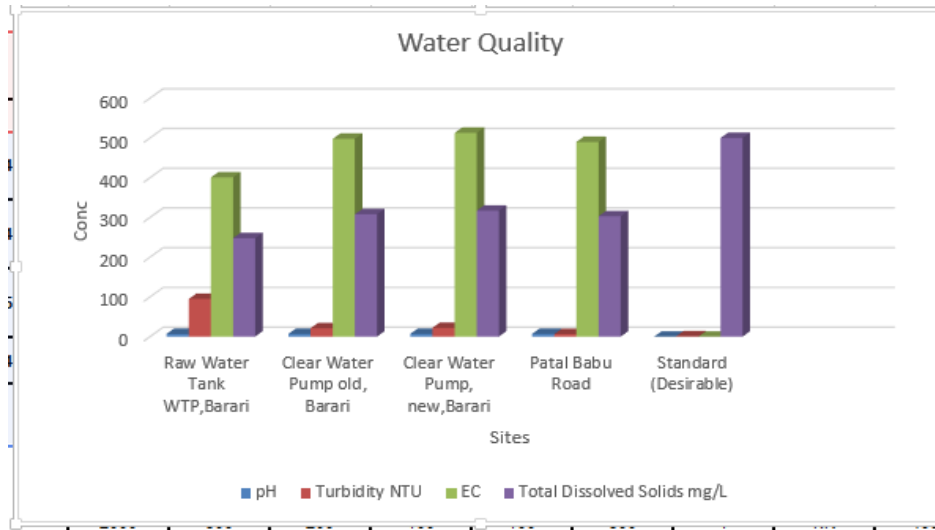
S no	Issues	Compliance	Action plan
1	Use of display board at working area	To be maintained	<b>Display board at Pipe laying site complied. Instructions has been given for sign board &amp; display board (showing work plan) availability</b>
2	Use of caution tape, board at working site with sufficient information	To be maintained	<b>Caution tape placed during pipe line maintenance work, pipe laying work and construction of OHTs and Customer Service Center at Barari.</b>
3	Permanent barricade at working site	<b>Partially Complied</b>	<b>At OHT location of Thakurbari no barricading found but RCD working area barricading done</b> TMBU, Housing Board OHTs- No hard barricading OHT Bazar samite- hard barricading found OHT Anand Nagar- Bamboo Barricading found OHT Surkikal - 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	<b>During site visit instructions have been given to the contractor for compliance of PPE by workers.</b>
5	Access to sites – and no impact on movement of persons at working area	<b>Complied</b> No impact at present	Access road available at RCD, TMBU and Housing Board OHT sites. Narrow access road at Thakurbari OHT and followed traffic management plan. At Bazar samite OHT site access road is available. OHT Anand Nagar & Surkikal site access road is available. Pipe laying work near Bazar samite & RCD is in progress. Access available. Emergency work at WTP site is in-progress. Access available
6	Dampen as per site condition – arresting dust- mitigating air pollution	Required	<b>Instruction has been given to safety officer of contractor for regular water sprinkling at dust producing area.</b>
7	Generation of noise from construction and application of mitigation measures	<b>Complied</b> To be continued	Road cutter is used for cutting of bitumen road for pipe laying. Noise monitoring is required at construction sites (OHT & pipe laying) on regular basis. Instruction has been given
8	Protection of water bodies nearby project site	<b>Done</b>	<b>Proper Drainage system maintained at the WTP</b>
9	Waste disposal from construction site	<b>Under Compliance</b>	Garbage collection bins placed at WTP where solid waste disposed on regular basis. Final disposal is being done within BMC container. No Garbage bins placed at OHT sites.
10	Vehicles and Equipment's having Pollution Under Control Certificate	<b>Partially Complied</b>	<b>PUC certificates for tractors (used in the project) are not available at site.</b>
11	Traffic management as per EMP	Complied	<b>Under implementation with progress of work</b>
12	Availability of First Aid Box at working site	Under Compliance	Available at all OHT sites. Instruction has been given to keep the box in hygienic condition with sufficient first aid materials First Aid Box available at Pipe laying sites Instruction has been given to contractor for maintenance the same at all working sites
13	Maintaining good housekeeping at working area	<b>Under Compliance</b>	Improvement of housekeeping is required at OHT sites. Instruction has been given to contractor
14	Proper camp site management – accommodation, toilet, drinking water facility	<b>Partially complied</b>	<b>OHT Construction work &amp; pipe laying work in progress. O &amp; M work continued. At WTP site toilet, drinking water facility is available.</b> Thakurbari and RCD OHT - Toilet facility available. Bazar Samiti, Housing Board , TNBU OHT- <b>No toilet facility available</b> Anand Nagar & Surkikal – Improvement of <b>toilet facility is required.</b> Instruction has been given to contractor for immediate arrangement & improvement.
15	Procurement of materials from licensed source	<b>Not Complied</b>	Instruction has been given to comply on urgent basis
16	Non engagement of labour less than 14 yrs. Age	<b>Done</b>	<b>To be maintained</b>

Table –4- Performance Fact Sheet for EMP Implementation of BUDIP Tranche 1:

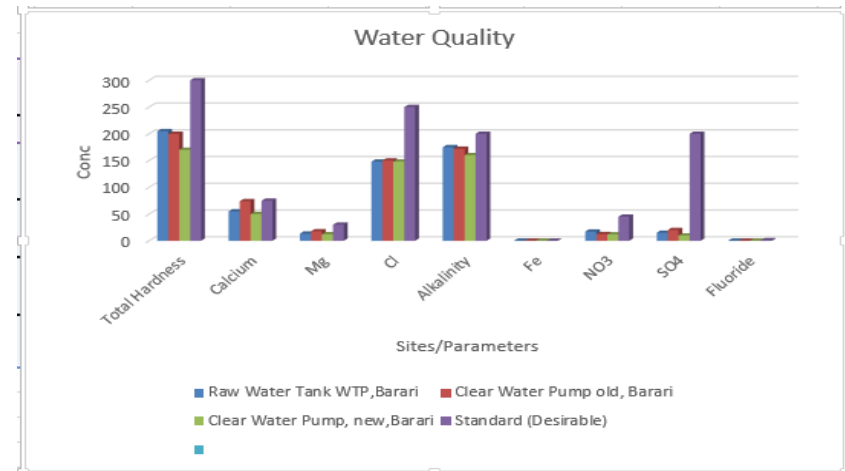
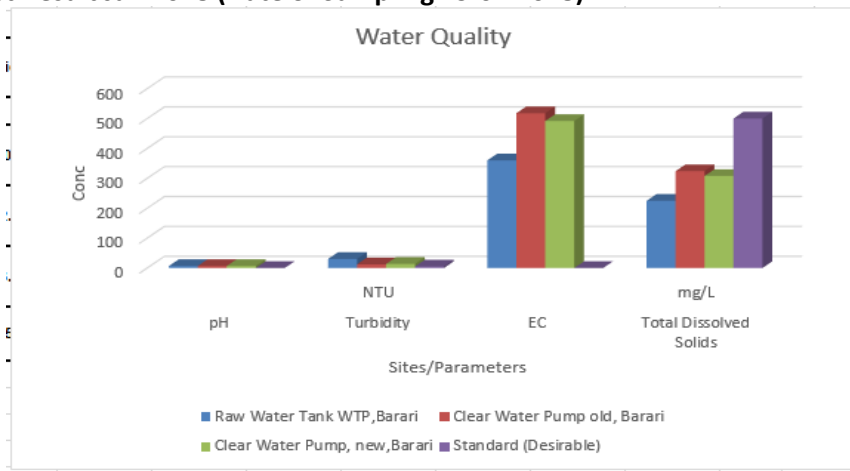
Package Name	Name of Contractor	EMP Part of contract Document (Yes / No)	Contractor Social/ Environment Person	Overall Status of EMP Implementation	Field Monitoring as per EMP												
					Source of Materials	Camp Sites	Landscape and Aesthetics	Air Quality	Noise Level	Traffic	Ecological Resources – 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. Rukshar Alam 3	<b>Complied To be improved</b>	Non complied and total cost of material has been deducted from contractor's Payment.	Established near OHT sites. Improvement is required	Partially Maintained	Air quality monitoring Scheduled In April 2018	Noise monitoring Scheduled In April 2018	To be maintained as per Traffic management Plan	Not require in this period	Yes Available	Partially Complied. Continued mostly on monthly basis	Yes Complied	Yes Complied	No impact	Yes Local employment

# WATER QUALITY TESTING RESULTS (Jan to March 2018):

## Test Result Jan 2018 (Date of Sampling 10.01.2018)

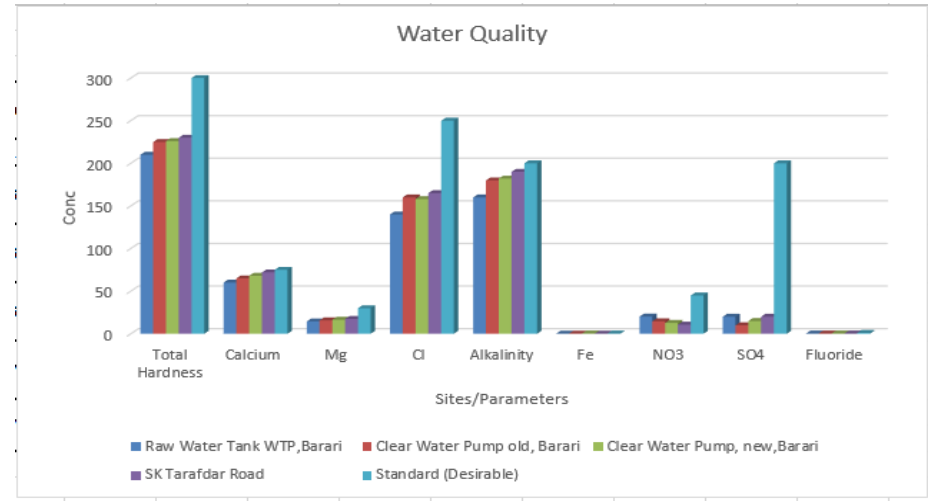
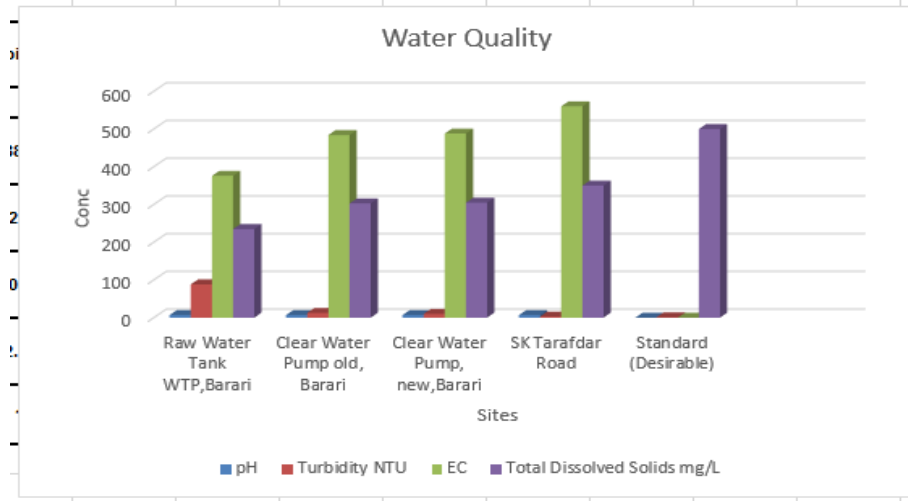


## Test Result Jan 2018 (Date of Sampling 19.01.2018)

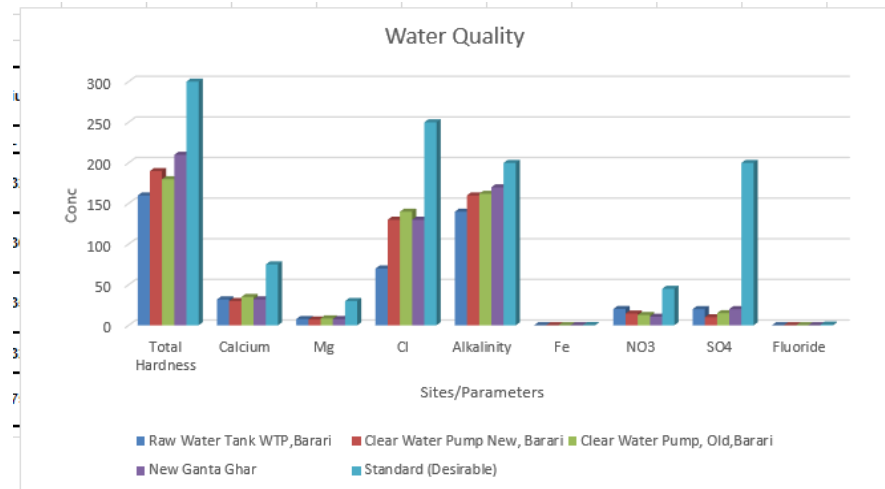
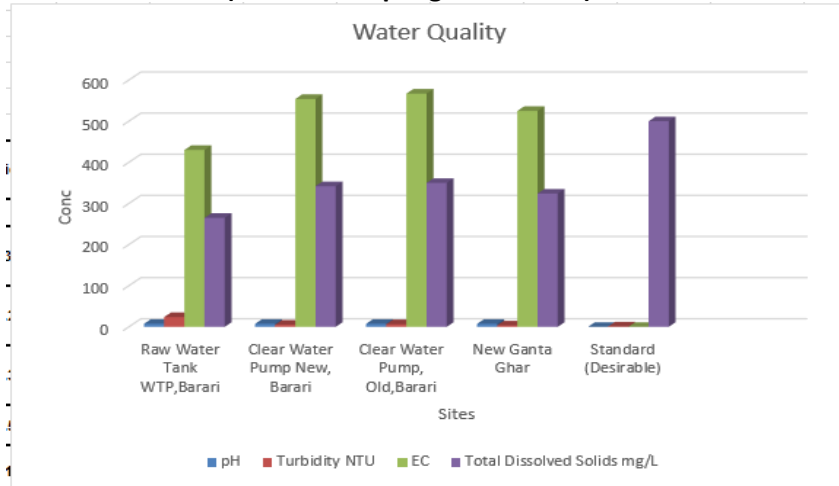




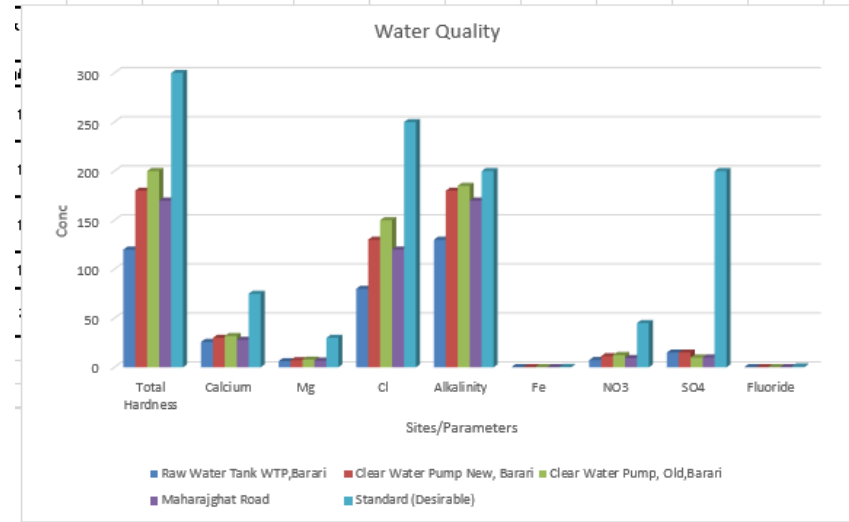
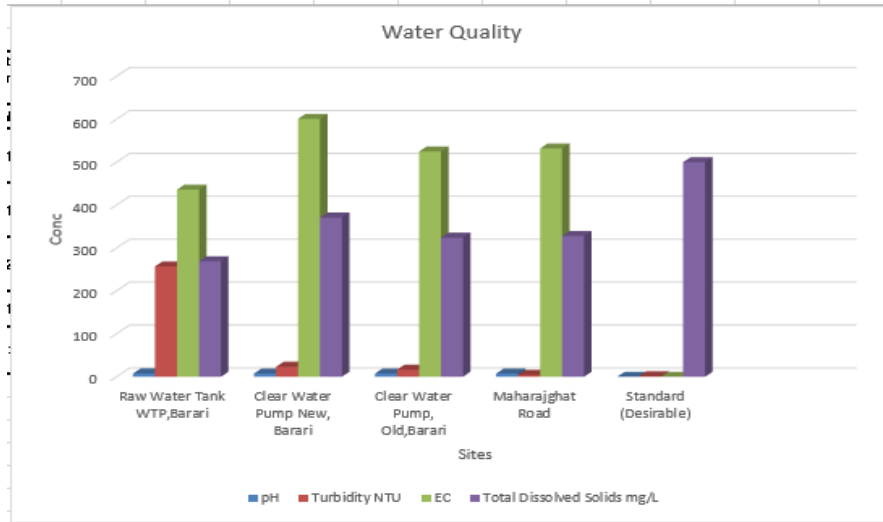
**Test Result Jan 2018 (Date of Sampling 23.01.2018)**



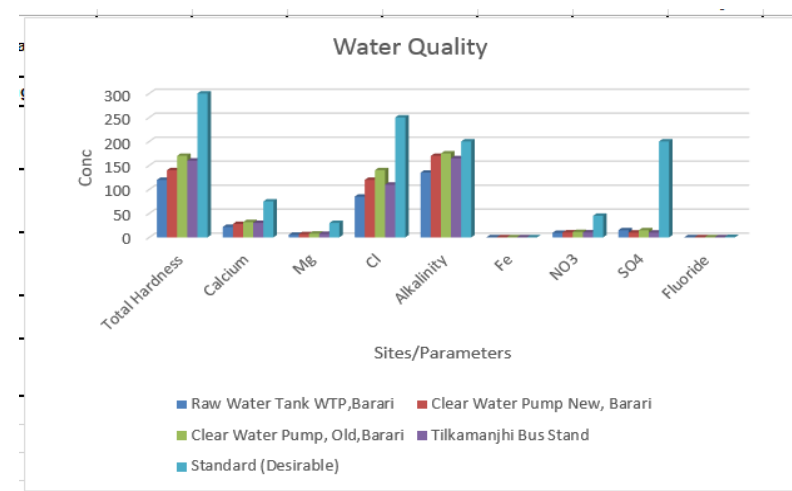
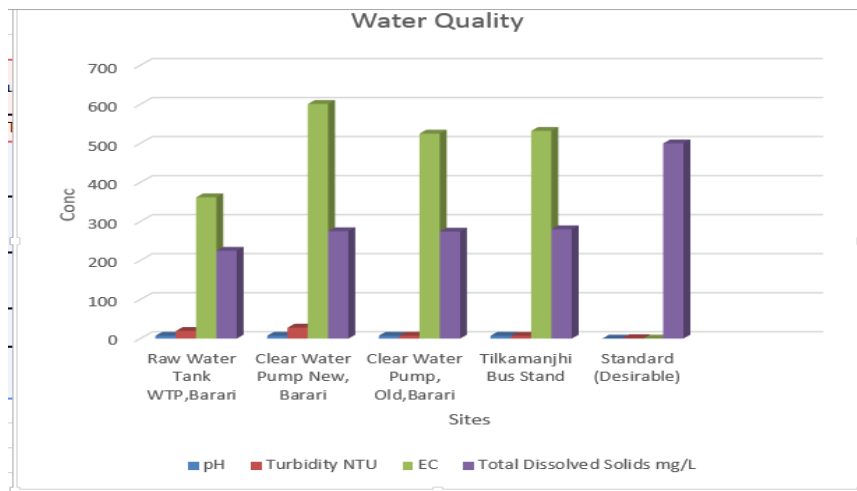
**Test Result Feb 2018: (Date of Sampling 12.02.2018)**



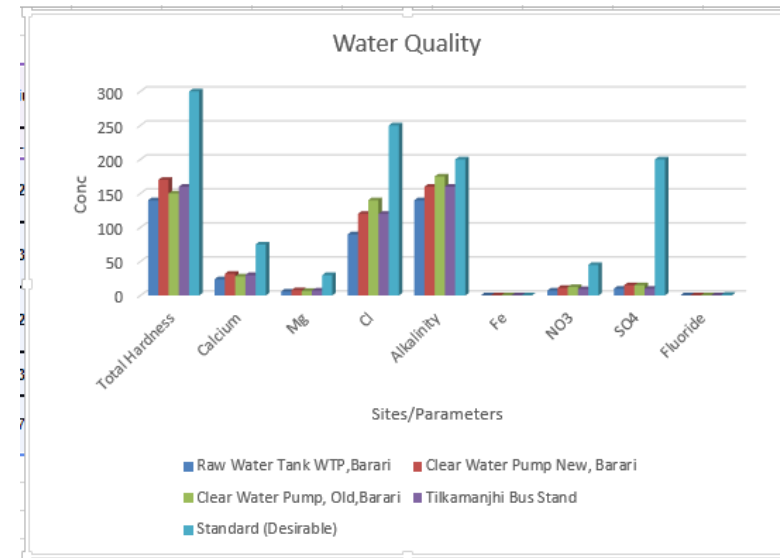
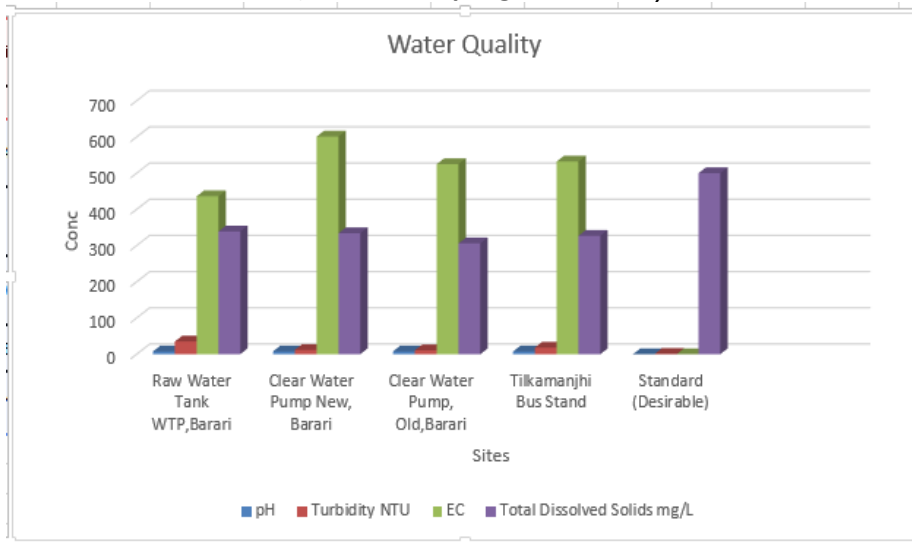
**Test Result Feb 2018: (Date of Sampling 23.02.2018)**



**Test Result March 2018: (Date of Sampling 14.03.2018)**



**Test Result March 2018: (Date of Sampling 23.03.2018)**



**Summary:**

- Water Quality Testing result for the month of **January 2018** shows that Turbidity level is high (6.88 NTU) at Patel babu road network in clear water as compared from the standards. Turbidity level in Old & New clear water pump house at Barari is high (21.20 & 22.20 NTU).
- Water Quality Testing result for February 2018 shows that Turbidity level in Old & New clear water pump house located at Barari is high (16.32 & 23.30 NTU).
- Water Quality Testing result for March 2018 shows that Turbidity level is high (18.20 NTU) in supplied water at Adampur chowk network and 6.90 NTU at Tilkamanjhi bus stand network as compared to the standard

**3.1 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										
Output/Activities	Indicators/Targets	Progress to Date								
		Progress for the Quarter (Jan - March 2018 )	Cumulative Progress	Issues and Challenges if any						
1.1 Awareness - raising activities on importance of the project linking it to health, gender, social, socio-economic empowerment and environmental conservation issues	1. Four (4) project orientation seminars conducted with at least 100 urban dwellers participating of which at least 30 are women, for a total of 400 urban dwellers oriented <b>Target:400 participants (100 women) in 4 seminars</b>	One project orientation seminars conducted.  Total participants=49 (06 women participants) Consultations was held at Near Kuppa Ghat , Surkhikal	Eleven (11) project orientation seminar conducted <ul style="list-style-type: none"> <li>Total Participants = 537</li> <li>women participants = 386</li> </ul> <b>Details in Annexure 1</b>							
	2. Two women - only project orientation seminars conducted in the city, targeting 50 women per seminar. <b>Target 100 women participants in 2 orientation seminars</b>	One women only orientation seminar conducted. Orientations seminar was held around Surkhikal OHT site attended by 57 women participants.	Seven women only orientation seminars held wherein a total of 291 women participated.  Details in Annexure 2							
	3. Three (3) public advertisements on the project highlighting its benefits to women and the poor put up in strategic places in the city <b>Target:3 public advertisements</b>		02 public advertisements (billboards) mounted. <table border="1"> <thead> <tr> <th>No.</th> <th>Location</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Bill board mounted at Manali chowk near BMC</td> </tr> <tr> <td>2.</td> <td>Bill board mounted at Tilkamanjhi chowk near SP Kothi. (Residence of Superintendent of Police</td> </tr> </tbody> </table>	No.	Location	1.	Bill board mounted at Manali chowk near BMC	2.	Bill board mounted at Tilkamanjhi chowk near SP Kothi. (Residence of Superintendent of Police	
	No.	Location								
1.	Bill board mounted at Manali chowk near BMC									
2.	Bill board mounted at Tilkamanjhi chowk near SP Kothi. (Residence of Superintendent of Police									
4. A Short radio program on project's core messages that include gender –sensitive messages produced and played regularly in government run radio programs <b>Target: 1 short radio program</b>	A draft note of the proposed radio talk has been prepared and submitted to PD for approval.	<b>In progress.</b> A draft note of the proposed radio talk has been prepared is under approval <ul style="list-style-type: none"> <li>A radio talk by the Mayor BMC</li> <li>Radio Jingles aimed at creating awareness among masses being regularly played on various FM radio services operational in Bhagalpur.</li> <li>The contractor has started using ringtone especially created for Bhagalpur Water Supply Project.</li> </ul>								

1.2 Consultation activities conducted with community members in service areas, especially in the identified poor and slum areas, and housewives, women heads of households, and heads of vulnerable households on planning, design and location of water supply and sewerage assets in the city	5. Fifty (50) urban household representatives targeting at least 30% women, and 30% from poor/slum/ vulnerable household, consulted per session with consulted  Target: 200 participants in 4 consultation including 30% women & 30% from poor / slum/ vulnerable households	Thirteen (13) consultations conducted  Total participants = 172  Women participants = 71 (41.27 %)	A total of 127 numbers of consultations conducted in Bhagalpur  Total Participants = 1633 Women participants = 573 (35.08 %)  Details in Annexure 3																			
2.1 Gender sensitive O&M manuals developed	6. Gender – sensitive O & M manuals developed;	The O & M manual submitted by the contractor is being worked upon to make it gender sensitive.	Targeted for completion by Q 2, 2018.																			
	7. Gender - sensitive O & M manuals adopted, institutionalized and regularly utilized.	A draft of Gender sensitive Training module on O & M has been prepared and submitted to PMU for approval.	Targeted for completion by Q 3, 2018.  Provide update on the process of approval and institutionalization of the O & M manuals																			
2.2 Poor unemployed women and men trained to take of unskilled Jobs in the O&M of water supply and sewerage assets	8. 51 unemployed persons (at least 30% women) from poor and vulnerable households in the city, trained on the O&M of water supply and sewerage assets in 4 training sessions <b>Target:4 trainings 51 persons 16 women and 35 men trained)</b>	Consultations with designated members of the community, newly elected Ward Councillors etc. have been initiated to identify one person (women from poor and vulnerable households) from the ward / area who may be trained in O & M work.	To be taken up further from Q 4 onwards.																			
2.3 Poor women and men trained on the O&M of water supply assets recruited	9. At least 30% of recruited O&M staff is women	At present two women staff working in O&M.	Update on gender provisions in the recruitment policy/provisions of the state Total number of Employees																			
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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 proper implementation of the project.	10. Ward committees with 50% women, comprising of eminent local citizens/ residents, preferably women, local NGOs /community- based organization, and ward councillors in Bhagalpur.	One committee has been constituted comprising five members to facilitate as interface during civil work. This group will facilitate during the rollout of the project and act as an interface between the contractor and the community for the resolution of their concerns and / or grievances, if any.	One committee has been constituted	
3.2 Poor, vulnerable <sup>6</sup> households who need concessionary connections and subsidies on user fees identified.	11. Roster of vulnerable households per ward (with information on number, sex, ages, and occupations of household members, income, expenditures, living conditions etc.)	Roster of vulnerable households not yet prepared.  Roster has to be prepared based on the household survey data before provision of connections	Household survey has been conducted by the contractor. Concessionary tariff, if any, will be decided as per GoB notification. Total FHH – 4071 <ul style="list-style-type: none"> <li>• household belonging to most backward communities- 2813</li> <li>• head of household is a woman-4071</li> <li>• head of household is illiterate-1504</li> <li>• head of household is working as a daily wage laborer, or without a regular source of income-2718</li> <li>• household with income below poverty line-1385</li> <li>• household residing in a <i>kutchha</i> house-97</li> </ul>	UD&HD proceeding minutes point number 15 dated 22.08.2017 directions have been given to prepare draft policy and circulate across ULBs for implementation
3.3 Rules for concessionary lifeline connections for poor, vulnerable households proposed.	12. Concessionary connections provided to at least 60% of all the vulnerable households.	To be taken up after Activity 3.2	Rules for concessionary lifeline connections for poor, vulnerable households are yet to be framed.	
3.4 A pro vulnerability schedule of tariffs for water supply and sanitation services proposed.	13. A pro-vulnerability schedule of tariffs.	-	Schedule of tariffs for water supply governed as per UDHD notification no-3/UG-Reforms-10 / 12 dated 12.07.2013	

<sup>6</sup> Vulnerable households” are those fulfilling one or more of the following criteria: (i) household belongs to most backward communities, (ii) head of household is a woman, (iii) head of household is illiterate, (iv) head of household is working as a daily wage laborer, or without a regular source of income, (v) household with income below poverty line, and (vi) household residing in a *kutchha* house.

4.1 Women staff in the PMU and PIU recruited and trained.	14. Women staff occupies 30% of PMU and PIU positions.	-	<p>There is only 1 Woman staff in the PMU and PIU recruited and trained.</p> <table border="1" data-bbox="1339 304 1872 504"> <thead> <tr> <th></th> <th>Total staff</th> <th>Women staff</th> <th>Women staff trained</th> </tr> </thead> <tbody> <tr> <td>PMU</td> <td>12</td> <td>1</td> <td>1</td> </tr> <tr> <td>PIU Bhagalpur</td> <td>8</td> <td>0</td> <td>0</td> </tr> <tr> <td><b>Total</b></td> <td><b>20</b></td> <td><b>1</b></td> <td><b>1</b></td> </tr> </tbody> </table>		Total staff	Women staff	Women staff trained	PMU	12	1	1	PIU Bhagalpur	8	0	0	<b>Total</b>	<b>20</b>	<b>1</b>	<b>1</b>			
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2 Gender orientation to all PMU and PIU staff, Bhagalpur municipal corporation officials and staff, and contractor, organized, highlighting gender and other social inclusion issues related to water supply and sanitation.	15. Participation of all PMU and PIU staff, contractors and relevant Bhagalpur municipal corporation officials.		<p>3 Gender orientations organized, highlighting gender and other social inclusion issues related to water supply and sanitation. Another one is planned in Q -2 (Yr. 2018) for newly elected member ULB councillors, contractor, PMU, PIU, DSC etc.</p> <table border="1" data-bbox="1339 663 1895 903"> <thead> <tr> <th>Utility</th> <th>Total number of Employees</th> <th>No. of Women Employees</th> </tr> </thead> <tbody> <tr> <td>PMU</td> <td>12</td> <td>1</td> </tr> <tr> <td>PIU Bhagalpur</td> <td>8</td> <td>0</td> </tr> <tr> <td>Contractors</td> <td>48</td> <td>1</td> </tr> <tr> <td>BMC officials</td> <td>50</td> <td></td> </tr> <tr> <td><b>Total</b></td> <td><b>118</b></td> <td><b>1</b></td> </tr> </tbody> </table>	Utility	Total number of Employees	No. of Women Employees	PMU	12	1	PIU Bhagalpur	8	0	Contractors	48	1	BMC officials	50		<b>Total</b>	<b>118</b>	<b>1</b>	
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4.3 Gender items in the project information format for regular reporting incorporated.			Reporting in Quarterly Gender Action Plan Monitoring Report.																			



4.4 Gender indicators incorporated in the PPMS.	1. Numbers of piped connections newly installed at households 2. Number of piped connections newly installed at vulnerable and women headed households 3. Number of vulnerable and women headed households provided with concessionary water user charges 4. Number of Women and Men in O & M staff in water supply operations 5. Number of Women and Men participants in awareness raising activities including orientation, consultation, training programs, and other community based activities. 6. Number of Women and Men trained on Gender and Social inclusion issues related to water supply and sanitation.		Implemented as per Physical Progress of the project.	
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Output/ Activities	Indicators/Targets	Progress to Date		
		Progress for the Quarter (October–December 2017 )	Cumulative Progress	Issues and Challenges if any
1.1 Awareness - raising activities on importance of the project linking it to health, gender, social, socio-economic empowerment and	1. Four (04) project orientation seminars conducted with at least 100 urban dwellers participating of which at least 30 are women, for a total of 400 urban dwellers oriented Target:400 participants (100 women) in 4 seminars	Two (02) project orientation seminars conducted7.  Total participants=119 (98 women participants)	Ten (10) project orientation seminar conducted <ul style="list-style-type: none"> <li>Total Participants = 488</li> <li>women participants = 377</li> </ul> Details in Annexure 1	
	2. Two (02) women - only project orientation seminars conducted in the city, targeting 50 women per seminar. Target 100 women participants in 2 orientation seminars	Two (02) women only orientation seminars conducted8	Six (06) women only orientation seminars held wherein a total of 234 women participated. Details in Annexure 2	

7Consultations were held at Dom Tola (TMBU), Harijan Tola (Bazar Samiti), Muslim Tola (Barahpura) and Ambedkar Nagar.

8Orientations seminars were held around OHT sites at Thakurbadi and Aliganj attended by 36 and 17 women participants respectively.

Output/ Activities	Indicators/Targets	Progress to Date								
		Progress for the Quarter (October–December 2017 )	Cumulative Progress	Issues and Challenges if any						
environmental conservation issues	3. Three (03) public advertisements on the project highlighting its benefits to women and the poor put up in strategic places in the city  Target:3 public advertisements		Two (02) public advertisements (billboards) mounted. <table border="1"> <thead> <tr> <th>No</th> <th>Location</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Bill board mounted at Manali chowk near BMC</td> </tr> <tr> <td>2.</td> <td>Bill board mounted at Tilkamanjhi chowk near SP Kothi. (Residence of Superintendent of Police</td> </tr> </tbody> </table>	No	Location	1.	Bill board mounted at Manali chowk near BMC	2.	Bill board mounted at Tilkamanjhi chowk near SP Kothi. (Residence of Superintendent of Police	
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2.	Bill board mounted at Tilkamanjhi chowk near SP Kothi. (Residence of Superintendent of Police									
	4. A Short radio program on project's core messages that include gender –sensitive messages produced and played regularly in government run radio programs Target: 1 short radio program	A draft note of the proposed radio talk has been prepared and submitted to PD for approval.	In progress. A draft note of the proposed radio talk has been prepared and submitted to PMU for approval.							
1.2 Consultation activities conducted with community members in service areas, especially in identified poor & slum areas, housewives, women heads of households, heads of vulnerable households on planning, design and location of water supply & sewerage assets in the city	1. Fifty (50) urban household representatives targeting at least 30% women, and 30% from poor/slum/ vulnerable household, consulted per session with consulted  Target: 200 participants in 4 consultation including 30% women & 30% from poor / slum/ vulnerable households	Twenty three (23) consultations conducted  Total participants = 267 Women participants = 111 (41.6 %)	A total of 105 numbers of consultations conducted in Bhagalpur  Total Participants = 1461 Women participants = 502 (34.4 %)  Details in Annexure 3							
2.1 Gender sensitive O&M manuals developed	2. Gender – sensitive O & M manuals developed;	The O& M manual submitted by the contractor is being worked upon to make it gender sensitive.	Targeted for completion by Q 1, 2018.							
	3. Gender - sensitive O & M manuals adopted, institutionalized and regularly utilized.	A draft of Gender sensitive Training module on O & M has been prepared and submitted to PMU for approval.	Targeted for completion by Q 2, 2018.							

93 , 2 and 3 consultations were held in the month of April , May and June 2017 respectively alongside the pipe laying route , near pump houses and OHSR sites

Output/ Activities	Indicators/Targets	Progress to Date																							
		Progress for the Quarter (October–December 2017 )	Cumulative Progress	Issues and Challenges if any																					
2.2 Poor unemployed women and men trained to take of unskilled Jobs in the O&M of water supply and sewerage assets	4. 51 unemployed persons (at least 30% women) from poor and vulnerable households in the city, trained on the O&M of water supply and sewerage assets in 4 training sessions Target:4 trainings 51 persons (16 women and 35 men trained)	Consultations with designated members of the community, newly elected Ward Councillors etc. have been initiated to identify one person (women from poor and vulnerable households) from the ward/area who may be trained in O & M work.	To be taken up further from Q 4 onwards.																						
2.3 Poor women and men trained on the O&M of water supply assets recruited	5. At least 30% of recruited O&M staff is women	At present one (01) women staff working in O&M.	<table border="1"> <thead> <tr> <th colspan="3">Total number of Employees</th> </tr> <tr> <th></th> <th>Total number of Employees</th> <th>Number of Women Employees</th> </tr> </thead> <tbody> <tr> <td>BMC</td> <td>195</td> <td>1</td> </tr> <tr> <td>Contractor</td> <td>48</td> <td>1</td> </tr> <tr> <td>PMC</td> <td>12</td> <td>1</td> </tr> <tr> <td>DSC</td> <td>22</td> <td>1</td> </tr> <tr> <td>Total</td> <td>277</td> <td>4</td> </tr> </tbody> </table>	Total number of Employees				Total number of Employees	Number of Women Employees	BMC	195	1	Contractor	48	1	PMC	12	1	DSC	22	1	Total	277	4	
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3.2 Poor, vulnerable households who need concessionary connections and subsidies on user fees identified.	7. Roster of vulnerable households per ward (with information on number, sex, ages, and occupations of household members, income, expenditures, living conditions etc.)	Roster of vulnerable households not yet prepared.	Household survey has been conducted by the contractor. Concession tariff, if any, will be decided as per GoB notification. Total FHH -4231 No. of Water connection (Phase-1)- 5000 No. of WHHs - 269	UDHD / ULB notification regarding a pro vulnerability schedule of tariffs for water supply and concessionary lifeline connections for poor, vulnerable households is																					
3.3 Rules for concessionary lifeline connections for poor, vulnerable households proposed.	8. Concessionary connections provided to at least 60% of all the vulnerable households.	To be taken up after Activity 3.2	Rules for concessionary lifeline connections for poor, vulnerable households are yet to be framed.																						

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**Annexes for training / orientation /workshops/ seminars /conferences /consultations /capacity building programs****Annexure 1: Awareness - raising activities**

Sl. No.	Activity	Date	Venue/ Location	Total participants	Women participants	Topics covered/ Compliance	Resource Person	List major outcome of consultations that will benefit women
1.	Seminar	17/09/16	Thakur Badi	43	43	Benefits of the project on Health, Gender, Socio Economic Empowerment and Environmental Conservation	Gender Specialist, DSC, Bhagalpur	Accountable awareness generated about project benefits such as- reduction in drudgery time spent in collecting water etc. that may accrue to women.  Reduction in cases of water borne diseases , Improved attendance of Girls at school improved income due to time saved
2.	Seminar	12/11/16	Mushari Tola	69	68			
3.	Seminar	17/01/17	Thakur Badi	104	90			
4.	Seminar	3/04/17	Dhomi Tola	15	8			
5.	Seminar	15/05/17	Harzan Tola	29	12			
6.	Seminar	26/05/17	Muslim Tola	45	24			
7.	Seminar	19/06/17	Ambedkar Nagar	20	15			
8.	Seminar	15/09/17	Harizan Tola , Bazar Samiti	44	19			
9.	Seminar	05/11/17	WTP, Nursing Staff	71	67			
10.	Seminar	27/12/17	Kutab Ganj, Kauli road , Bazar Samiti area	48	31			
11.	Seminar	29.01.2018	Near Kuppa Ghat , Surkikal	49	9			
<b>Total</b>				<b>537</b>	<b>386</b>			

**Annexure 2: Women's only project orientation seminars**

Sl. No.	Activity	Date	Venue/ Location	Women participants	Topics covered/Compliance	Resource Person	List major outcome of consultations that will benefit women
1.	Meeting	17/12/16	Thakur Badi , Near OHSR	46	Benefits of the project specially to women on health, sanitation, socio economic empowerment and improvement in girls education	Gender Specialist, DSC, Bhagalpur	Accountable awareness generated about project benefits such as- reduction in drudgery , time spent in collecting water etc. that may accrue to women
2.	Meeting	17/01/17	Thakur Badi , Near OHSR	36			
3.	Meeting	17/01/17	Harizan Tola, Aliganj	17			
4.	Meeting	15/09/17	Mushari Tola, Kali Ghat	48			
5.	Meeting	05/10/17	WTP, Nursing Staff	40			
6.	Meeting	16/11/17	Paswan Tola , Kamal Nagar	47			
7.	Meeting	1/2/2018	Near Kali Mandir, Surkhikal	57			
<b>Total</b>				<b>291</b>			

**Annexure 3: Community Consultation activities conducted with community members in poor and slum areas**

Sl. No.	Activity	Date	Venue/Location	Town	Total participants	Women participants	Topics covered / Compliance	Resource Person	List major outcome of consultations that will benefit women			
1.	Community Consultation	18/12/2014	CMS School,	Bhagalpur	39	6	Project Brief, usability of existing distribution pipelines compulsory / voluntary connection Gender issues Process of tariff fixation and subsidy to poor house hold etc.	PR (PMC) Expert,	Accountable awareness generated about- project components, gender issues, benefits of water connection such as- reduction in drudgery , time spent in collecting water etc. and water tariff for poor household			
2.		16/1/2015	Govt. Girls School, Nath Nagar	Bhagalpur	37	7						
3.		12/2/2015	Global Coaching, University Road	Bhagalpur	60	11						
4.		25/3/2015	Conference Hall, DC office	Bhagalpur	29	6						
<b>Total Up to Q 1 2015</b>					<b>165</b>	<b>30</b>						
5.		29/4/2015	Community Hall, Budha Nath Temple	Bhagalpur	63	20						
6.		28/5/2015	Girls School, Khanjarpur	Bhagalpur	52	16						
7.		18/6/2015	Conference Hall, Hotel Paradise	Bhagalpur	59	11						
<b>Total Up to Q 2 2015</b>					<b>339</b>	<b>77</b>						
8.		28/7/2015	Conference Hall, Poddar Dharamshala	Bhagalpur	59	11						
<b>Total Up to Q 3 2015</b>					<b>398</b>	<b>88</b>						
9.	Community Consultation	24/11/ 15	Housing Board	Bhagalpur	8	1	Project Brief, Water user charges, Gender issues Health and safety measures	Resettlement and Gender Expert, PMC, Patna	Accountable awareness generated about- project components, gender issues, benefits of water connection-reduction in drudgery , time spent in collecting water etc. and water tariff for poor household			
10.		24/11/ 15	Surkikal (ward 26)	Bhagalpur	12	6						
11.		24/11/ 15	TMBU	Bhagalpur	11	1						
12.		24/11/ 15	Thakurbari, Warsaliganj	Bhagalpur	8	6						
13.		27/11/ 15	WTP Barari	Bhagalpur	14	1						
14.		27/11/ 15	Distribution area, Adampur	Bhagalpur	14	0						
<b>Total Up to Q 4 2015</b>					<b>465</b>	<b>103</b>						
15.	Community Consultation	5/2/2016	Badi Khanjarpur	Bhagalpur	9	0	Community managed public tap	PR cum Gender Expert, DSC, Bhagalpur	Accountable awareness generated about ways and means to reduce wastage of water aimed at better management of public tap through collective conscience			
16.		9/2/2016	Jaghai Tube Well	Bhagalpur	9	0	O & M work , Gender issues					
17.		5/3/2016	Badi Khanjarpur	Bhagalpur	7	0	Measures to reduce wastage of water through collective efforts and GRM					
18.		5/3/2016	Manikpur	Bhagalpur	11	0						

Sl. No.	Activity	Date	Venue/Location	Town	Total participants	Women participants	Topics covered / Compliance	Resource Person	List major outcome of consultations that will benefit women
		<b>Total Up to Q 1 2016</b>			<b>501</b>	<b>103</b>			
19.		2/4/2016	Maskan bari	Bhagalpur	7	1			awareness generated about mechanism to register complaints with CSC
20.		12/5/2016	Nasratkha	Bhagalpur	3	1	Measures to reduce cases of stolen/broken taps of public stand post		Reduction in cases of theft and broken taps
21.		13/5/2016	Girls High School	Bhagalpur	6	0	Gender issues		Accountable awareness generated about gender issues in Water projects
22.		24/6/2016	Barari	Bhagalpur	9	0	Information on project and work of laying of pipeline etc.		Accountable awareness generated about benefits of tap water - reduction in drudgery , time spent in collecting water etc.
		<b>Total Up to Q 2 2016</b>			<b>526</b>	<b>105</b>			
23.		26/7/2016	WTP, Barari	Bhagalpur	6	0	Inclusion of Women labour in civil works		Explained Gender Component of Project
24.		26/8/2016	Barari	Bhagalpur	5	3	Monitoring of RP implementation		Beneficiary woman utilized fund in construction of own house on legal title land of her own
25.	Community Consultation	28/9/2016	Member Councillor Ward 42	Bhagalpur	3	0		Gender Specialist, DSC, Bhagalpur	Accountable awareness generated about benefit that may accrue to women due to commissioning of the project
26.		29/9/2016	Member Councillor Ward 30	Bhagalpur	4	0			
27.		30/9/2016	Pump House, Jarlahi	Bhagalpur	3	0			
		<b>Total Up to Q 3 2016</b>			<b>547</b>	<b>108</b>			
28.		25/10/2016	Dargah , Near Barari Ghat	Bhagalpur	7	0			
29.		25/10/2016	Gaumi Tola, Fishermen Community , Barari	Bhagalpur	10	0	Information sharing on BWSP project components and likely impacts; alternate route, O & M work etc.		
30.		26/10/2016	Pipeline site of Shamshan Ghat, , Barari	Bhagalpur	1	0			
31.		08/11/2016	Refugee Colony, Barari	Bhagalpur	4	0			
32.		11/11/2016	Slum Sundarban OHT to Mayaganj	Bhagalpur	11	3			
33.		12/11/2016	Sundarban OHT to Mayaganj Link Road	Bhagalpur	19	3			
34.	12/11/2016	Bhosi Nath Railway Crossing Slum	Bhagalpur	11	3				

Sl. No.	Activity	Date	Venue/Location	Town	Total participants	Women participants	Topics covered / Compliance	Resource Person	List major outcome of consultations that will benefit women	
35.		8/12/2016	Pipeline work site at Barari	Bhagalpur	4	0	Measures to reduce cases of stolen/broken taps of public stand post  Information sharing on BWSP project components and likely impacts; alternate route, etc.		Reduction in cases of theft and broken taps  Accountable awareness generated about benefit that may accrue to women due to commissioning of the project	
36.		9/12/2016	Nearby resident of Housing Board OHSR	Bhagalpur	19	10				
37.		9/12/2016	Sachitanand Nagar Slum near Pump House	Bhagalpur	45	31				
38.		19/12/2016	Mushari Tola, Barari	Bhagalpur	69	68				
		<b>Total Up to Q 4 2016</b>				<b>747</b>				<b>226</b>
39.		17/1/2017		Bhagalpur	104	90				
40.		21/1/2017	Thakur Badi near OHT	Bhagalpur	40	36				
41.		21/1/2017	Shivpuri colony, Thakurbadi	Bhagalpur	4	0				
42.		24/1/2017	Shivpuri colony, Thakurbadi	Bhagalpur	0	2				
43.		25/1/2017	Barari near Barari Ghat	Bhagalpur	6	0				
44.		25/1/2017	Shivpuri colony, Thakurbadi	Bhagalpur	6	0				
45.		21/2/2017	Railway Colony, Barari	Bhagalpur	14	7				
46.		21/2/2017	Sundarban OHT slum	Bhagalpur	11	3				
47.		Community Consultation	7/3/2017	Nearby resident of TMBU OHSR	Bhagalpur	26				10
48.	24/3/2017		Priyadarsani Chock, Near OHSR location, Surkhikal	Bhagalpur	7	2				
49.	29/3/2017		Harijan Tola, Aliganj	Bhagalpur	22	17				
50.	29/3/2017		Mahadeo Talab, Bazar Samiti	Bhagalpur	3	0				
51.	30/3/2017		Dhomi Tola Residence	Bhagalpur	17	9				
52.	31/3/2017		Neha Tola, near TMBU road	Bhagalpur	38	18				
	<b>Total Up to Q 1 2017</b>				<b>1045</b>	<b>420</b>				
53.	Community Consultation	3/4/2017	Dom Tola, near TMBU OHT	Bhagalpur	15	8	Information sharing on BWSP project components and likely impacts; alternate route, etc.		Accountable awareness generated about benefit that may accrue to women due to commissioning of the project	
54.		3/4/2017	Near SM College, RCD	Bhagalpur	4	0				
55.		6/4/2017	Vegetable Market, Sahib Ganj	Bhagalpur	8	3				
56.		26/4/2017	Veg. Market , Near Surkhikal OHT	Bhagalpur	7	1				
57.		15/5/2017	Veg. Market , Near Adampur	Bhagalpur	20	12				
58.		15/5/2017	Modi Nagar, Harizan Tola	Bhagalpur	28	11				
59.		25/5/2017	Slum at Sahib Ganj Corner to TMBU	Bhagalpur	23	9				
60.		26/5/2017	Muslim Tola, Near Ishakchak Police Station	Bhagalpur	45	24				
61.		15/6/2017	Veg. Market , Near Surkhikal OHT	Bhagalpur	15	9				



Sl. No.	Activity	Date	Venue/Location	Town	Total participants	Women participants	Topics covered / Compliance	Resource Person	List major outcome of consultations that will benefit women			
62.		19/6/2017	Nearby resident of Sarai PH	Bhagalpur	7	0	Information sharing on Chlorine dosing of water on health		Accountable awareness generated about health benefit chlorinated water improved quality of drinking water			
63.		19/6/2017	Nearby resident of Sachitanand Nagar	Bhagalpur	20	0						
64.		20/6/2017	Near Pumphouse Sarai	Bhagalpur	8	0						
65.		22/6/2017	Member Councilor Ward 26	Bhagalpur	4	0						
66.		24/6/2017	Member Councilor Ward 22	Bhagalpur	4	0						
<b>Total Up to Q 2 2017</b>					<b>10092</b>	<b>362</b>						
67.		18.07.17	Vegetable Market, Manali Road	Bhagalpur	8	4						
68.		19.07.2017	Customer Care Center at BMC	Bhagalpur	4	1				Supervision of Grievance redress complaint registration system etc.		GRM formats in Hindi, Urdu and English language are being maintained at CSC
69.		28.07.2017	OHSR site of RCD Adampur and Bazar Samiti and ongoing pipeline work site of Bazar Samiti	Bhagalpur	8	0				To monitor the safety measures, labor huts and impacts if any		Participants / senior persons around the proposed pipeline work were not aware about the BWSP project. Relevant information was disseminated.
70.		31.07.2017	Near Ward Councilor of ward 6 office cum residence, Champa Nagar	Bhagalpur	9	3				To brief about the BWSP project and its benefits on Health, Gender, Socio Economic development and Environment etc.		The public eagerly awaits early completion of the project. Relevant information was disseminated.
71.	31.07.2017	Near WTP , Hanuman Ghat Road Barari	Bhagalpur	1	0	To brief about the BWSP project and its benefits on Health, Gender, Socio Economic development and Environment etc.		There is need to hold public consultation with more numbers of participants including women consultation after Sawan Month				
72.	Community Consultation	08.08.2017	Pipe laying work site at Aliganj Gangti , Bazar Samiti	Bhagalpur	15	8	Supervision of implementation of Safeguards measures as suggested in the RP	Social & Gender Exp. (PMC )	Safeguards measures are being implemented in accordance with the provisions of RP			
73.		09.08.2017	Pipe laying work site at New Tola, TMBU	Bhagalpur	12	3	To sensitise residents about the process to lodge their complaint(s), if any, with CSC	Social & Gender Specialist(DSC),	Accountable awareness generated among residents with regard to the GRM process			

Sl. No.	Activity	Date	Venue/Location	Town	Total participants	Women participants	Topics covered / Compliance	Resource Person	List major outcome of consultations that will benefit women	
74.		10.08.17	Proposed Pipe laying work site at Thakurbadi	Bhagalpur	7	0	Supervision of implementation of Safeguards measures as suggested in the RP		Safeguards measures are being implemented in accordance with the provisions of RP	
75.		12.08.2017	Pipe laying sites as per L-section at TMBU	Bhagalpur	14	14	To conduct DMS and freeze Node-to-Node alignment	Social & Gender Specialist (DSC)	The alignment has been frozen in such a way as to have no affected person and / or minimum inconvenience to local residents	
76.		13.08.17	Pipe laying sites as per L-section at TMBU	Bhagalpur	7	0	To conduct DMS and freeze Node-to-Node alignment			
77.		14.08.17	Proposed Pipe laying sites as per L-section at TMBU	Bhagalpur	7	0				
78.		18.08.17 and 19.08.17	Pipe laying sites as per L-section at Bazar Samiti	Bhagalpur	7	0				
79.		23.08.2017	Pipe laying sites as per L-section at Bazar Samiti	Bhagalpur	5	0				
80.		29.08.2017	Pump Operators of 21 Tube Wells	Bhagalpur	21	0	Training program on safety measures organized by PIRH	Social & Gender Specialist(DSC),		Feedback on supply of the chlorinated water in their area by newly installed Chlorine dosing system has been documented.
81.		29.8.2017	PRO, PIRH	Bhagalpur	2	0	To plan for implementation of GAP etc. on BWSP-1 under PR activities			An implementation plan has been prepared
82.		31.08.2017	Customer Care Center at BMC	Bhagalpur	4	1	Supervision of redressal of Grievance complaints etc.		No grievance related to RP has been found	
83.		05.09.2017	Pipe laying work site at G. Lalgali, Kutab Ganj	Bhagalpur	4	0	Supervision of implementation of Safeguards measures as suggested in the RP	ESMC(PMU), Social & Gender Exp. (PMC) Social & Gender Specialist (DSC), Engg. (PIU)		
84.		06.09.2017	Pipe laying work site at G. Lalgali, Kutab Ganj	Bhagalpur	5	0				
85.		07.09.2017	Pipe laying work site at Shail Bagh, Aliganj	Bhagalpur	5	0				
86.		11.09.2017	Around RCD campus	Bhagalpur	6	6				
87.	Community Consultation	13.09.2017	Pipe laying work site at Harijan Tola , Aliganj	Bhagalpur	8	4				
88.		14.09.2017	i) TMBU slum	Bhagalpur	14	10				
89.		14.09.2017	ii) Vikramshila colony , Airport road		16	11				
90.		16.09.2017	Member Councilor of ward 26, Surkhikal	Bhagalpur	3	0	To seek cooperation in conducting FGD to constitute a committee of volunteers to facilitate during civil works.		The councilor assured to provide support as and where required	
91.		22.09.2017	Near Surkhikal OHSR	Bhagalpur	14	7	Focus Group Discussion as per		Safeguards measures are	

Sl. No.	Activity	Date	Venue/Location	Town	Total participants	Women participants	Topics covered / Compliance	Resource Person	List major outcome of consultations that will benefit women
							provisions of GAP		being implemented in accordance with the provisions of RP
	<b>Total Up to Q 3 2017</b>				<b>1194</b>	<b>391</b>			
92.		09.10.2017	Badi Khanjarpur – RCD area	Bhagalpur	21	7			
93.		10.10.2017	Kamal Nagar, Bazar Samiti	Bhagalpur	7	3			
94.		11.10.2017	Jalmitra and NGOs – PIRH office	Bhagalpur	8	5			
95.		12.10.2017	Gopal Gauri Slum – Adampur	Bhagalpur	8	1			
96.		30.10.2017	Loknath Ganj – Bazar Samiti	Bhagalpur	9	0			
97.		31.10.2017	Durga Sthan – Near Mayaganj Hospital	Bhagalpur	11	5			
98.		02.11.2017	Brick Kiln Owners	Bhagalpur	6	0			
99.		03.11.2017	Bagh Wadi – Bazar Samiti	Bhagalpur	10	1			
100.		06.11.2017	Ward No. 27	Bhagalpur	7	0			
101.		09.11.2017	Slum near Durga Mandir- RCD area	Bhagalpur	15	9			
102.		13.11.2017	Dom Tola, near Shankar Cinema	Bhagalpur	18	9			
103.		14.11.2017	Near Jain Mandir, Nath Nagar	Bhagalpur	15	9			
104.		15.11.2017	Refugee Colony, Barari	Bhagalpur	11	5			
105.		24.11.2017	Maya Ganj, ward 27	Bhagalpur	8	4			
106.		27.11.2017	Ward No. 50	Bhagalpur	6	0			
107.		07.12.2017	Ambedkar Nagar, RCD area	Bhagalpur	14	8			
108.		07.12.2017	Badi Khanjarpur , RCD area	Bhagalpur	9	5			
109.		16.12.2017	Mahamada Baamar, Bazar Samiti	Bhagalpur	14	7			
110.		21.12.2017	Mithukachak , Warshali Ganj, Bazar Samiti	Bhagalpur	5	1			
111.		22.12.2017	Kagzi Tola, Modi Nagarl	Bhagalpur	28	17			
112.		26.12.2017	Warshalli Ganj, Bazar Samiti	Bhagalpur	20	11			
113.		28.12.2017	Mitruachak lane, Warshali Ganj	Bhagalpur	9	0			
114.		29.12.2017	Kali Gope lane, Badi Khanjarpur	Bhagalpur	8	4			
	<b>Grand Total Up to Q 4 2017</b>				<b>1461</b>	<b>502</b>			
115.		8/1/18	Mahanada bamar – Bazar Samiti	Bhagalpur	18	10	Project components, benefits e.g. health, gender, socio economic development etc. that may accrue to them Temporary inconvenience due to commissioning of the subproject component of BWSP -I and Significance of water conservation and ways and means to control wastage of water and damage to water assets were	Social and Gender Expert DSC	Accountable awareness generated about the project component
116.		11/1/18	Brahapura	Bhagalpur	11	0			
117.		12/1/18	Bhikampur and Gwaltoli, Jogsar	Bhagalpur	11	5			
118.		15/1/18	Nath Nagar – Near Railway Crossing	Bhagalpur	9	0			
119.		15/1/18	Harzan Tola – Aliganj	Bhagalpur	16	4			
120.		17/1/18		Bhagalpur	<b>14</b>	<b>2</b>			

Sl. No.	Activity	Date	Venue/Location	Town	Total participants	Women participants	Topics covered / Compliance	Resource Person	List major outcome of consultations that will benefit women
121.		22/2/18	Mundi Chak	Bhagalpur	15	11	disseminated. Their concerns were also documented. Please refer to the table given below for further details		
122.		26/2/18	Priya Darshani nagar, Nr. Airport Anand Nagar	Bhagalpur	6	2			
123.		27/2/18	Ambay Nagar slum	Bhagalpur	18	9			
124.		21/3/18	Hanuman Temple, Parbati, NH 80,	Bhagalpur	6	4			
125.		23/3/18	Dom Tola, Shankar Cinema	Bhagalpur	16	9			
126.		28/3/18	Gandi Basti, Warsali Ganj, Bazar Samiti	Bhagalpur	21	9			
127.		31/3/18	Moti Puchwa lane, Badi Khanjarpur	Bhagalpur	11	6			
<b>Grand Total Up to Q 1 2018</b>					<b>1633</b>	<b>573</b>			

## 3.2 Appendix 15 – Status of NOCs

## 3.2.1 Status of NOC for construction of OHTs under BWSP1

S No	OHT ID	Location	Owner	Area required	DMAs Covered	Total Pipe Length(Km)	Status of NOC	Remarks
1	1/1a 11	TMB University	Bhagalpur University	35mX35 m	2	22.47	Received	Work in progress
2	1/2	Constable Training School, Nathnagar	Constable Training High School.	40mX40m	2	22.33	Received	OK
3	1/3	Mahashay Deodhi-1	BMC	15mx15m	1	10.51	Received	OK
4	1/4	Mahashay Deodhi-2	BMC	15mx15m	2	12.77	Received	Filled up soil.
5	1/5	Abir Mishra Lane , in Nathnagar	Industries Dept. (Dept. of Handloom)	20mx20m	2	17.59	Received	OK
6	2/25 12	Jaglal High school at Company Bagh	BMC	20mX20 m	3	24.73	Received	Site cleared
7	2/3	BMC Godown Tatarapur	BMC	20mX20 m	4	22.85	Received	Site cleared
8	3/1	Lajpat Park	GoB	20mX20m	2	18.11	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	20mX20 m	2	17.37	Received	OK, Work in Progress
10	3/3	Barahpura, Eidgah	GoB	14mx20m	3	32.24	Received	Demolition of BMC pump house needed. Permission to be taken from BMC
11	4/14	Sector 1, Housing Board Office, Barari	Bihar State Housing Board	25mx25m	3	28.19	Received	Work in progress, stay on land
12	4/2	Bhagalpur Central Jail, near Anandanagar Colony	Health Department (JLN Medical College)	20mX20m	2	31.54	Received	Principal, medical college is not allowing
13	4/4	Surkikal	Jawahar Lal Nehru Medical College, Department Of Health	20mX20m	2	22.05	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	21.87	Received	Work in progress
15	5/2	Bazar Samiti Campus, Agricultural Market Complex, Baghbari	Administrator, Agricultural Marketing Board	20mX20 m	3	43.02	Received	OK, Work in Progress
16	5/3	Aliganj Katghat, Hussainabad	BMC	15mx12m	2	24.82	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, Mughalpura	BMC	30mX30m	2	21.87	Received	URS committee to be approached after Municipal Elections.
18	5/7	Sikandarapur		37mx44m	2	22.23	Not required	Old RCC OHT to be dismantled
19	2/6	Maniksarkar		30mx27m	2	26.73	Not required	Old steel tank to be dismantled.

11 OHTs covered in 1st year milestone (Housing Board, Thakurbadi and TNBU)

12 OHTs covered in 2nd Year milestone (RCD Adampur, Bazar Samithi, BMC Godown, Jaglal High School)

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

S No.	OHT Location (Existing OHTs)	DMA's 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
<b>Total</b>		<b>4</b>	<b>17.24</b>	

**3.2.2 Status of NOC for construction of project components under BWSP2**

Sl. No.	Details	Location	Owner	Status of NOC	Remarks
1	WTP	Near 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.

**3.3 Appendix 16 – Status of NOC Gaya Water Supply & Waste Water Project****3.3.1 Status of NoC's of Gaya Water Supply Phase 1(GWSP1)**

Sr. No.	Location	Ownership	Area required (m <sup>2</sup> )	Tank Capacity In ML	Thana No.	Khasra No.	Khata No.	Remarks
1.	Joda Masjid	GoB	36m x 24m	2.15	250	1208	411	<b>Received</b>
2.	BudhvaMahadeo	GoB	30m x 30m	1.0	249	8	114	<b>Received</b>
3.	Bhusunda	GoB	30m x 30m	2.15	317	590	76	<b>Received</b>
4.	Mastalipur	GoB	24m x 37.5m	2.0	Muffasilg anj 315	130	120	<b>Received</b>
5.	Construction of OHT Behind Delha Police Station located at south-east corner, dhaniya bagicha	GoB	34m X 26m	2. 15	183	100	42	<b>Received</b>
6	GLSR at Ramshila Hills	Forest Department	24m X 40m	2.6	Pahsi 35	Municipal Plot 6203	Chadar No.-5	Received with condition from the forest department that pillars for boundary would have to be constructed in the given non forest land.

Sr. No.	Location	Ownership	Area required (m <sup>2</sup> )	Tank Capacity In ML	Thana No.	Khasra No.	Khata No.	Remarks
7.	GLSR Brahmayoni at	Forest Department	45m X 90m	4.64	Madanpur 10	1438	Chadar No.-78 (GMC)	Received with 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 <sup>2</sup> )	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	Ghughritan d 12	425	95	Received

## 3.4 Appendix 17A – Compliance with Loan Covenants:

## AIDE MEMOIRE

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

Table 1: Status of Compliance with Loan Covenants:

Schedule	Para	Covenant Description	Compliance Status (As on 29 <sup>th</sup> April 2017)	Compliance Status (As on 31 <sup>st</sup> March 2018)
		<b>Loan Covenants</b>		
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 & 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.	In process
		<b>Project Covenants</b>		
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, state and 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 & ADB. In the events of any discrepancy between 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 & business opportunities associated with the Project are on the website of the BUIDCO. In addition, the website shall at least disclose the	Being Complied	Being complied. Documents uploaded on BUIDCo website under ADB Tab.



		following information in relation to goods and services procured for the Project: (i) list of participating bidders, (ii) the name of the winner bidder, (iii) the amount of the contracts awarded, (iv) the goods and services procured.		
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
<b>Social Safeguards Covenants</b>				
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.  DMS for the second phase (2 OHTs and 100 Kms. of distribution pipeline) of approved civil works has been conducted. No impact temporary / permanent has been identified in the DMS conducted so far for the second year. 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 economic displacement takes place in connection with the Subproject until: (a) Components and other entitlements have been provided to affected people in accordance with the RP; (b) A comprehensive income and livelihood restoration program has been established in accordance with the RP.	Being Complied. AHs identified in updated RP for first year have been compensated before displacement.	Being Complied in BWSP1. AHs identified in updated RP for first year have been compensated before displacement. No impact temporary / permanent has been identified in the DMS conducted so far for the second year. Will be complied in other subprojects
5	6	<b>Indigenous Peoples:</b> The Borrower shall ensure or cause	Being Complied.	BWSP1 - Complied (a)

		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.	The Project is category C for IP.	and (b). Being complied for (c) and (d).  BWSP2 and GWSP 1&2 – Will be complied
5	8	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.	Being Complied.	BWSP1- Being Complied for (a).  Not yet due for (b) and (c)  BWSP2 and GWSP 1&2 – Will be complied
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 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.	Being Complied for (a).  Not yet due for (b) and (c)	BWSP1- Being Complied for (a). Not yet due for (b) and (c)  BWSP2 and GWSP 1&2 – Will be complied
5	13	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 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.	Being Complied.	BWSP1 - Being Complied  BWSP2 and GWSP 1&2 – Will be complied.
5	14	Gender and Development: The Borrower shall ensure or cause the State to ensure that the Project shall be carried	Being Complied.	BWSP1- Being Complied BWSP2 and GWSP 1&2

		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.		– 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” on dated 10 <sup>th</sup> October 2017. Request has been made to the Municipal Commissioner, BMC for providing equipment & Infrastructure for operationalizing of accrual based double entry accounting system.
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.
<b>Environmental Safeguards covenants</b>				
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; & relevant provisions from 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 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.	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 with the national standards for drinking water. Partially complied for (b), (c) and (d).	(a) CTO – Received (b) Partially 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. 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:	Complied with For (a) and (b)  Being complied with for(c)	Complied with For (a) and (b)  Being complied with

		<p>(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;</p> <p>(b) Make available a budget for all such environmental and social measures;</p> <p>(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;</p> <p>(d) Adequately record the condition of roads, agriculture land and other infrastructure prior to starting to transport material and construction; and</p> <p>(e) Fully reinstate pathways, other infrastructure, and agricultural land to at least their pre-project condition upon the completion of consortium.</p>	<p>and (d)</p> <p>Not yet due For (e)</p>	<p>for(c) and (d)</p> <p>Not yet due For (e)</p>
5	10	<p>Safeguards Monitoring and Reporting - The Borrower shall do the following or shall cause the EA to do the following:</p> <p>(a) Submit semi-annual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission;</p> <p>(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</p> <p>(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.</p>	<p>Being Complied with for (a) and (b)</p> <p>Not yet due for (c)</p>	<p>Being Complied with for (a) and (b)</p> <p>Not observed for (c)</p>
5	11	<p>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.</p>	<p>Complied with The EA 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.</p>	<p>Complied with The EA 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.</p>

## Appendix 17B:- Progress on Last Aide Memoire Work Plan

## TIME BOUND ACTION PLAN

(Agreed with Government of Bihar on ADB mission 31 January to 5 February 2018)

S N	Action Required	Responsibility	Completion Date	Comments/Instructions
A.	General Issues			
1.	Decision on partial loan cancellation of \$10 million to avoid additional financial implication to the State due to commitment charges on the undisbursed amount	GOB	31 Mar 2018	Related file has been already processed to Finance Secretary. CAO has been instructed to follow up.
2.	Recommendation to be provided on the delay analysis and contract commencement date to BUIDCO.	CMS, PMC	28 Feb 2018	Recommendations on referred issues by CMS has already been submitted to DSC/PMU/PIU. DSC to take the matter forward.
3.	The monthly cycle for processing of payment to the contractors and submission of claims to CAAA/ADB, as agreed during mission of 25-29 April 2017 (Appendix 3 of the Aide Memoire), provided as below, must be strictly adhered to: (a) Preparation and submission of monthly bill (b) Verification and recommendation (c) Verification and endorsement (d) Verification by accounts section and release of payment (e) Submission of supporting documentation to PMU (f) Processing and submission of claims to CAAA/ADB	Contractor DSC PIU technical team  PIU accounts PIU PMU	Day 1-10 Day 11-17 Day 18-22  Day 23-24 Day 25-26 Day 27-30	To be adhere Feb'18 payment has been done.
4	Public Relations: Issue protocol for communicating with the press and the general public regarding the project	BUIDCO	28 Feb 2018	Concerned officer will comply the issue within a week.
5	Contractor's request for release of contractor's bank guarantees submitted against mobilization advance for the amounts already adjusted till date <ul style="list-style-type: none"><li>Assessment and submission of opinion</li><li>Decision</li></ul>	DSC PMU	15 Feb 2018 28 Feb 2018	Contractor has submitted the utilization report.
6	Decision on replacement of retired personnel deployed for O&M	BMC	31 Mar 2018	Letter has been sent to BMC.PIU has been instructed to follow up.
7	PIU staffing. Complete recruitment process for and mobilize 1 assistant engineer, and 1safeguard officer	UDHD/BUIDCO	31 Mar 2018	In under process.
B	Project Consultants			
8	PMC variation proposal: <ul style="list-style-type: none"><li>Submission of CV of new Team Leader to PMU</li><li>Variation proposal to be finalized, incorporating ADB's comments, and submitted to ADB for review and no objection</li></ul>	BUIDCO/ PMC	20 Feb 2018 28 Feb 2018	Complied  Instructions was given to EE (PM, PMU) get the file through on 09/04/2018.
9	Decide on PMC's request for escalation	BUIDCO	15 Mar 2018	CAO informed that he has sent the file to legal section, seeking their opinion.
10	Submit CVs of candidates proposed for of DTL, DSC position.	BUIDCO	20 Feb 2018	DTL position is abolished. DSC informed that DCM will be joining by 11 <sup>th</sup> April'18.
11	Arrange for adequate space for project consultants teams at BUIDCO premises.	BUIDCO	31 Mar 2018	In process of arranging.
	Contractor			

12	Dedicated project account to be opened in Bhagalpur	Contractor	28 Feb 2018	To be opened by 7 <sup>th</sup> April'18 (PIU Finance)
13	Additional Ganga works <ul style="list-style-type: none"> <li>Submission of vouchers for additional Ganga I works</li> <li>Finalize and release payment to contractor</li> <li>Opinion on permissible payments in Ganga III estimate</li> </ul>	Contractor PIU/DSC DSC	9 Feb 2018 28 Feb 2018 10 Feb 2018	Submitted. PIU will resolve. DSC to provide letter to PIRH to begin work Ganga III within 5 days as per direction given in meeting.
14	Initiate process for revoking bank guarantees on continued non-submission of details of expenditure of mobilization advance	Contractor/DSC/PIU/PMU	As per contract	Utilization is submitted by contractor and is under process of verification by PMU/PMC
15	Submission of schedule for submission of balance detailed drawings for WTP, ESRs, pipeline and HSCs	Contractor	11 Feb 2018	PIRH committed to submit by 15 <sup>th</sup> April'18. Instruction has been given to DSC and PIU to prepare a list of all design & drawings needs to be prepare/ approved under BWSP1 and status against that submitted by PIRH.
16	Assess quantity of water being produced at WTP and finalize payment to contractor	Contractor/ DSC/ PIU	15 Mar 2018	Issue will be resolved in PIU meeting.
17	PSP Phasing Plan for conversion of consumers of public stand posts (PSP) to individual HSCs	Contractor/ DSC/ PIU	30 Apr 2018	Instruction is given to DSC Social Expert and PMC along with contractor to prepare proposal and submit to BMC for compliance.
18	Phased operationalization and Infrastructure Integration Plan for operating old infrastructure with the new system till the development of WTP and Intake under BWSP II	Contractor/ DSC/ PIU	30 Apr 2018	Instruction has been given to CMS of PMC / DSC / Contractor to sit together after the meeting and resolve the issue.
	Rehabilitation of Barari Water Works			
19	Submission of detailed drawings and specifications for electrical, mechanical and instrumentation items, and approval of the same.	DSC/Contractor	15 Mar 2018	Will be finalized in the PIU meeting.
20	Vendor finalization	DSC/Contractor	30 Apr 2018	Under process. Details will be shared in next meeting of PIU.
21	Issue of purchase orders	Contractor	31 May 2018	Under process and will be submitted by 15 <sup>th</sup> April'18.
22	Chemical House: Completed balance civil works, and procurement and installation of all remaining equipment.	DSC/Contractor	31 Mar 2018	Issue will be resolve in PIU meeting.
23	Chlorination Plant: Submit and finalize drawings and specifications Completion of works	DSC/Contractor	31 Mar 2018 30 Sep 2018	Contractor will submit by 15 <sup>th</sup> April 2018.
24	2 Clearwater pumps: Design approval Procurement and installation	Contractor	15 Feb 2018 15 May 2018	Approved Order placed to Kirloskar. TPI is scheduled in May'18.
	Distribution Network			
25	Procurement of pipes: 30 km per month	Contractor	Monthly	TPI will be done by 9 <sup>th</sup> April'18 and consignment will be received by 19 <sup>th</sup> April'18.
26	Laying of pipelines: 20 km per month in 2018	Contractor	Monthly	Only 4.5 kms. pipe laid down in last month against target of 20km as informed by PIRH.

27	Hydro-testing: Deploy dedicated labor gangs and resources to reduce current hydro-testing gap of 55 km to 5 km.	Contractor	Immediate & ongoing. Progressively complete by 20 Apr 2018	55 km hydro-testing will be completed by 15 <sup>th</sup> June'18 as informed by PIRH.
28	Reconcile the actual lengths of the pipeline laid and balance pending in each DMA, the street length as measured vis-à-vis the actuals, and freeze the total length of pipeline that will need to be laid for commissioning of respective DMAs	Contractor/DSC	28 Feb 2018	Survey for 2 zone i.e Thakurbadi and Housing board has been completed and the remaining will be completed by June'18 end.
29	Ensure photographic records of all road cutting works are maintained.	Contractor/ DSC/PIU	Immediate and ongoing	Already in process.
Elevated Service Reservoirs (ESRs)				
30	Supply adequate shuttering material to ensure works that works can be undertaken simultaneously at all 7 ESRs and consumer service center.	Contractor	28 Feb 2018	PIU has been instructed to check current status.
31	Design drawings for 3 ESRs at Aliganj Khatgar, ManikSarkar and Sikandarpur: <ul style="list-style-type: none"> <li>• Submission</li> <li>• Approval</li> </ul>	Contractor/ DSC	15 Mar 2018 31 Mar 2018	PIRH has made the commitment to submit by:- AliganjKhatgar- 27 <sup>th</sup> April'18 ManikSarkar-12 <sup>th</sup> April'18 Sikandarpur-12 <sup>th</sup> May'18
32	ESR at Eidgah: Land is not adequate for the design capacity. Alternatives to be explored by reworking on the ESR capacity, based on available land.	Contractor/ DSC/ PIU	31 Mar 2018	PIU has been instructed to check.
33	Resolve local issues and ensure handover of following ESR sites: <ol style="list-style-type: none"> <li>(1) BMC Godown: Clearance of materials at site and handover</li> <li>(2) KawaliMaidan: Discussions with District Magistrate for resolving land issue Handover of site to project</li> <li>(3) AliganjKhatgar: Demolition of 1 functional and 1 defunct structures at site &amp; handover</li> <li>(4) ManikSarkar: Functional existing structure to be dismantled and handed over</li> <li>(5) Sikandarpur: Defunct on-site structure to be dismantled and handed over</li> <li>(6) Lajpath Park: Precise location within park to be marked and handed over</li> </ol>	PIU/BMC DM/PIU/BMC PIU/BMC PIU/BMC PIU/BMC PIU/BMC	31 Mar 2018 1 <sup>st</sup> week Mar 2018 31 Mar 2018 31 Mar 2018 31 Mar 2018 31 Mar 2018	Complied Letter given to BMC. PIRH has instructed to do layout and see the feasibility. BMC should be apprising of the issue. Issue to be resolved in PIU meeting. Issue to be resolved in PIU meeting.
34	Thakurbadi: <ol style="list-style-type: none"> <li>(a) Laying of pipeline (3.1 km balance in 3 DMAs)</li> <li>(b) Completion of hydro-testing</li> <li>(c) Completion of ESR</li> <li>(d) Provision of HSCs (3,632 balance)</li> </ol>	Contractor	12 Mar 2018 22 Mar 2018 31 May 2018 31 Jul 2018	Issue to be resolved in PIU meeting.
35	Housing Board: <ol style="list-style-type: none"> <li>(a) Laying of distribution main (1.5 km)</li> <li>(b) Laying of pipeline (1.0 km balance in 3 DMAs)</li> <li>(c) Completion of hydro-testing</li> <li>(d) Completion of ESR</li> <li>(e) Provision of HSCs (3,724 balance)</li> </ol>	Contractor	20 Feb 2018 28 Feb 2018 15 Mar 2018 31 May 2018 31 Aug 2018	Issue to be resolved in PIU meeting.
36	RCD Adampur: <ol style="list-style-type: none"> <li>(a) Laying of pipeline (5.9 km balance in 2 DMAs)</li> </ol>	Contractor	15 May 2018	Issue to be resolved in PIU meeting.

	(b) Completion of hydro-testing (c) Completion of ESR (d) Provision of HSCs (2,974 balance)		30 May 2018 31 Dec 2018 30 Sep 2018	
37	TMBU: (a) Laying of pipeline (5.8 km balance in 2 DMAs) (b) Completion of hydro-testing (c) Completion of ESR (d) Provision of HSCs (3,852 balance)	Contractor	30 Mar 2018 18 Apr 2018 31 May 2018 31 Jul 2018	Issue to be resolved in PIU meeting.
38	Bazar Samiti: (a) Laying of pipeline (12.1 km balance in 3 DMAs) (b) Completion of hydro-testing (c) Completion of ESR (d) Provision of HSCs (4,572 balance)	Contractor	5 May 2018 20 May 2018 31 Jul 2018 31 Jul 2018	Issue to be resolved in PIU meeting.
39	Anandnagar: (a) Submission of proposal seeking permission for road cutting (1.87 km) (b) Laying of pipeline (73.2 km balance in 2 DMAs) (c) Completion of hydro-testing (d) Completion of ESR (e) Provision of HSCs (25,987 balance)	Contractor	6 Feb 2018 20 Jun 2018 12 Jul 2018 31 Jan 2019 31 Dec 2018	Issue to be resolved in PIU meeting.
40	Surkhikal: (a) Laying of pipeline (15.5 km balance in 2 DMAs) (b) Completion of hydro-testing (c) Completion of ESR (d) Provision of HSCs (2,637 balance)	Contractor	20 May 2018 30 May 2018 31 Jan 2019 31 Oct 2018	Issue to be resolved in PIU meeting.
41	Consumer Service Centre: • complete casting of 1 <sup>st</sup> floor slab • complete the entire structure • Finalize space at Nathnagar for CSC cell	Contractor BMC	6 Apr 2018 31 Oct 2018 28 Feb 2018	DSC has been instructed to issue a notice to PIRH for delay in work. Discussion has been made in BMC meeting. Follow up is going on.
42	Pile vs shaft foundation in 5 ESRs: Jaglal High School, MahasayDeodi I and II, Abir Mishra Lane, and Constable Training School • Contractual stipulations and cost implication due to change in design to be examined by CMS and options recommended, as per contract provisions. • PIU to review and decide.	Contractor/PMC/D SC/PIU	28 Feb 2018 15 Mar 2018	Done. Employer representative to proceed for implementation. PIU is instructed to comply it by end of April 2018
43	Ensure issuance of the government order for special concessionary arrangements on user charges for water supply for vulnerable and/or women headed households	BUIDCO	30 Jun 2018	UD&HD proceeding minutes point number 15 dated 22-08-2017 directions is given to prepare draft policy & circulate across the ULBs for implementation.
44	Submit the segregated survey data including (i) number of vulnerable households; and (ii) number of women headed households identified through the survey.	Contractor under guidance of PIU	28 Feb 2018	Identification survey will be taken up by contractor in Q2, 2018.
45	Designate a senior officer as Gender focal point in PIU, Bhagalpur for supervision and coordination on GAP implementation, monitoring and reporting.	BUIDCO	28 Feb 2018	Person has been designated from the PIU for the same.
46	Prepare GAP implementation schedule (based on the updated GAP) segregating the remaining	BUIDCO	28 Feb 2018	Complied and will be sent in QPR Q1 report.



	activities in pre-during and post construction period with timelines for each activity.			
47	Undertake an orientation of the PIU, Bhagalpur staff on implementation, monitoring and reporting of the gender action plan	BUIDCO	31 Mar 2018	One has been done in Dec'17 and for next ADB Gender expert will be called for orientation program.
48	Submit the GAP progress in the updated format	BUIDCO		Will be submitted in 1 <sup>st</sup> Quarter QPR.
49	Formulate the ward level committees for identifying poor, vulnerable, women -headed households; and provide details on (i) number of the committees formed and (ii) number of women members in each committee.	PIU, Bhagalpur	28 Feb 2018	Committee is under process of formulation.
50	Submit data on number of consultations held in slums and poor settlements and number of participation from vulnerable households	PIU, Bhagalpur		To be complied, With GAP update Q1 2018 onwards
51	Prepare a roster of vulnerable households who need concessionary connections and subsidies on user fees.	Contractor under guidance of PIU	30 Mar 2018	Matter will be considered.
52	Review the installation and user charges/tariff policy adopted for water supply and sanitation services and propose for special concessionary arrangements on user charges for water supply for vulnerable and/or women headed households.	BUIDCO	30 September 2018	UD&HD proceeding minutes point number 15 dated 22-08-2017 directions is given to prepare draft policy & circulate across the ULBs for implementation.
53	Submission of PERT chart by 31 <sup>st</sup> Aug, 2017 which should be under the project completion date and loan period.	Contractor		This is a long pending issue for which letter has been given on 9 <sup>th</sup> March 2017; in meeting also instruction has been given to the contractor to submit the PERT chart (460 km up to 2019) contractor has submitted the soft copy after meeting which is not opening. Mail has been given to PIRH to resubmit.
54	Instruction has been given for Manpower deployment plan by the contractor for the implementation of physical progress as per SIP.	Contractor		Still deployment is not as per SIP for which reminder has given to PIRH and directed to fulfill the commitment and submit the deployment plan by 9 <sup>th</sup> April'18. PIRH has not complied mail for the compliance has been given on 10 <sup>th</sup> April 2018 to submit by the end of the day. If failed the BG to be revoked.
55	Installation of EMF in Tube Well	Contractor	28 <sup>th</sup> Mar'18	Supply is under process.