

Semi-Annual Environmental Monitoring Report

Project No. 41603-023
Period Covering July to December 2015
January 2016

IND: Bihar Urban Development Investment Program – Project 1

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Bihar Urban Infrastructure Development Corporation Ltd



Bihar Urban Development Investment Program

TRANCHE 1

ADB Loan 2861-IND

**SEMI ANNUAL ENVIRONMENT MONITORING
REPORT**

(Period July to December 2015)

JANUARY 2016

TABLE OF CONTENTS

I.	INTRODUCTION	3
II.	IMPLEMENTATION STATUS	5
III.	ENVIRONMENTAL PROCEDURE REVIEW	12
IV.	COMPLIANCE STATUS WITH THE ENVIRONMENTAL MANAGEMENT AND MONITORING PLAN.....	15
V.	ENVIRONMENTAL MONITORING AND EVALUATION	17
VI.	CONSULTATIONS AND DISCLOSURES CONDUCTED	19
VII.	GRIEVANCE REDRESSAL.....	19
VIII.	FINDINGS AND RECOMMENDATIONS	20
	ANNEXURE 1: RECORDS OF PUBLIC CONSULTATION-Bhagalpur.....	22
	ANNEXURE 2: SAMPLE GRIEVANCE REGISTRATION FORM	36

ABBREVIATIONS

ADB	Asian Development Bank
BSPCB	Bihar State Pollution Control Board
BUDIP	Bihar Urban Development Investment Program
BUIDCo	Bihar Urban Infrastructure Development Corporation
CB	capacity building
CPHEEO	Central Public Health and Environmental Engineering Organization (MoUD, GoI)
DBO	design-build-operate (contract)
DPR	detailed project report
DSC	Design and Supervision Consultant
EARF	Environment Assessment Review Framework
EIA	Environmental Impact Assessment
ESMC	Environment and Social Management Coordinator
FFA	Framework Financing Agreement (between India and ADB, 31 January 2013)
FS	Feasibility study
GIS	Geographical Information System
IEE	Initial Environmental Examination
IPF	Indigenous People Framework
MFF	multi-tranche financing facility
MoEFCC	Ministry of Environment & Forest
NGO	non-governmental organization
NRW	non-revenue water
O&M	operation and maintenance
OHT	overhead (storage) tank
PD	Project Director
PHED	Public Health Engineering Department
PIU	Project Implementation Unit
PMC	Program Management Consultant
PMU	Project Management Unit
PPMS	Project Performance Monitoring System
PPTA	project preparatory technical assistance
PUC	Pollution Under Control
RF	Resettlement Framework
SAR	Sub-project appraisal report (feasibility study)
SC	Steering Committee
SIP	system improvement plan
SPCB	State Pollution Control Board
SPUR	Support Program for Urban Reform
STP	Sewage treatment plant
Sw	Solid waste
SWM	Solid waste management
TC	Town Committee
UDHD	Urban Development and Housing Department
ULB	Urban Local Body- <i>municipal corporation</i>
ws	Water supply
WTP	Water treatment plant
ww	Wastewater (or sewage)

I. INTRODUCTION

A. Background

1. The Bihar Urban Development Investment Program (BUDIP) is expected to improve the urban environment and living conditions in targeted urban areas. It will: (i) improve and expand urban infrastructure and services in urban areas; and (ii) strengthen urban institutional, management, and the financing capacity of the institutions, including the urban local bodies (ULBs). The project will be implemented in two urban areas: Bhagalpur, and Gaya in the state of Bihar. The improvement in urban infrastructure will include rehabilitation, improvement, and expansion of: (i) water supplies; and (ii) sewerage and sanitation. Due to requirement of huge investment, the Govt. of Bihar have availed external funding assistance in order to address the situation and improve the basic service levels. ADB agreed to co-finance implementation of certain components of the road map in Bihar's two largest towns (other than the state capital Patna), i.e. in Bhagalpur, and Gaya. The project will be implemented using a multi-tranche financing facility.

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

3. The overall BUDIP undertaking is scheduled over a nine year period. The first loan 2861-IND is for 5 year period. Loan closing date is 30th June 2017. The total value of BUDIP is \$286 million. The MFF is for a loan amount not exceeding \$200 million. Loan 2861-IND is for an amount of \$65 million. BUIDCO requested ADB to surrender \$ 8 million loan savings towards future tranches. This has been accepted & the loan amount for Tranche 1 now revised as \$ 57 million.

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

5. Location of project towns is shown in the **Figure 1**.



Figure 1: Location of project towns

B. Project and Report Purpose

6. Sub projects under **Tranche 1** has been classified by ADB as environmental assessment category B (some negative impacts but less significant than category A) and the impacts of subprojects were assessed through Initial Environmental Examination (IEE), prepared according to ADB Safeguard Policy (SPS 2009).

7. This report is the “Semi Annual Environment Monitoring Report” for the period July to December 2015 to describe the present compliance status (mostly documentation part). Implementation of the mitigation measures, monitoring and reporting as per EMP of the IEE will be considered after commencement of physical activity.

C. Project Profile Tranche 1

8. For Tranche 1 selection of contractor has been done & Letter of Acceptance has been issued for the sub project, “Rehabilitation, Construction, Operations, Maintenance and Management of Bhagalpur Water Supply Project 1 (BWSP1)”. Contract has been signed with M/S Pan India & Ranhill Pvt Ltd, Mumbai on 11.07.2014 and contract commenced on 01.10.2014. Now the revised Service Improvement Plan (SIP) Operations submitted by the contractor have been approved. The contractor took over the existing assets /manpower from BMC on 1st July 2015 and started the operation & maintenance of existing water supply system of Bhagalpur Town. Contractor also submitted the SIP work part 2, which includes new construction work. That SIP is in the process of approval. Also updated IEE has been submitted to ADB for approval.

9. There is only 1 sub project under **Tranche1**.

Table 1: Sub Project status under Tranche 1 of BUDIP

Town	Code	Sub project
Water Supply System (WS)		
Bhagalpur	BH/WS/01	Rehabilitation, Construction, Operations, Maintenance and Management of Bhagalpur Water Supply Project 1 (BWSP1) – DBO contract

10. List of sub projects under Tranche 2 will be finalized with advancement of the Program.

11. **Table 2** shows the status of sub project awarded and physical progress.

**Table 2: Status of Sub-project Awarded/Implementation under Tranche-1
(Upto 31th December 2015)**

Location	Component, name of the sub project (Code No.)	Starting date of Implementation	Projected months of completion (as per Work order)	Schedule date of completion (Extended date of completion)	Physical progress (%) as on 31.12.2015
Bhagalpur Town	Water Supply- Rehabilitation, Construction, Operations, Maintenance and Management of Bhagalpur Water Supply Project 1 (BWSP1) – DBO contract (BH/WS/01)	01.10.2014	96 months	01.10.2022	2.5% (only documentation no physical activity in field)

II. IMPLEMENTATION STATUS

A. Major works and progress

12. Phase 1¹ of the Bhagalpur water supply sub-project is a DBO contract where the contractor during the first year has prepared a service improvement plan (SIP) and designs for the distribution network, overhead tanks and renovation of the existing water treatment plant (WTP). 3.5 years are allowed for construction. DBP contractor took over operation and management of the entire water supply system after half a year from contract commencement date and will remain responsible for this till contract end in 8 years. DBO contractor is responsible for updation of Initial Environmental Examination after finalization of the design.

13. Now the revised Service Improvement Plan (SIP) for Operations of existing water supply system submitted by the contractor and said plan has been approved. The contractor took over the existing assets /manpower from BMC on 1st July 2015 and started operation & maintenance of existing water supply system of Bhagalpur Town. Contractor also submitted the SIP work for part 2 (new construction) which is in the process of approval.

14. **Table 3** shows the work progress status for the sub project.

15. Monitoring and reporting on Environmental safeguard will be started after commencing of physical activity in field.

¹ In many of the BUDIP-related documentation, the two subprojects in Bhagalpur are referred to as “Tranche 1” and “Tranche 2”. This is confusing because the second subproject, concerning a new WTP of which the construction shall be completed by the middle of 2018, may be deferred to a Tranche 3. We suggest using the terms “Phase 1” and “Phase 2” instead.

Table 3: Major Works under Sub project and Progress – Tranche 1

Location	Component, Name of Sub Projects (Code No.)	List of major works under the sub project	Type of works continued at present
Bhagalpur Town	Rehabilitation, Construction, Operations, Maintenance and Management of Bhagalpur Water Supply Project 1 (BWSP1) – DBO contract (BH/WS/01)	<ul style="list-style-type: none"> ✓ Refurbishment of 3 nos. WTP at Barari ✓ Laying of Distribution pipeline 460.239 km DI type ✓ Construction of 19 nos. of Overhead Water Storage Reservoirs at Abhir Mishara, Thakurbadi, Aliganj, Anand nanagr, BMC Godown, Barahpura, Bazar Samiti, Constable Training School, Housing Board, Jaglal High School, Lajpath Park, Manik Sarkar, Masaydevdi-1, Masaydevdi-2, Mughalpura, RCD Adampur, Sikandarpur, Surkikal, TMBU ✓ Construction of Customer Service Centre ✓ Metered House connection- 68,182 nos. 	<ul style="list-style-type: none"> ✓ Service Improvement Plan (SIP) for Operations of existing water supply system submitted by the contractor and said plan has been approved. ✓ The contractor took over the existing assets /manpower from BMC on 1st July 2015 and started operation & maintenance of existing water supply system of Bhagalpur Town. ✓ Contractor also submitted the SIP work part 2 for new construction, which is in the process of approval. ✓ During updation of IEE report base line air and noise quality monitoring for working areas was carried out by contractor ✓ Physical construction work will be started after approval of SIP and updated IEE report ✓ Safeguard orientation training program has been conducted at PMU for contractor and PIU Bhagalpur on 27th July 2015

B. Compliance of Safeguard Loan Covenants

16. The status of compliance of ADB's major Loan Covenants related to Safeguard issues is shown below:

Serial no. as per loan agreement	Program Specific Covenants	Status / Issues
Environment		
3	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 environment, health, and safety; (b) the Environmental Safeguards; (c) the Environment Assessment & Review Framework (EARF); and (d) all measures and requirements set forth in the respective IEE and EMP, and any corrective or preventative actions set forth in a Safeguards Monitoring Report	<p>Under compliance</p> <p>Document is prepared/ or under preparation by complying all relevant State and National Laws, Safeguard Policy Statement (SPS 2009) of ADB, Environment Assessment Review Framework (EARF) for Tranche-1 program. Same will be followed for subsequent Tranches.</p> <p>Initial Environmental Examination (IEE), Environment Management Plan (EMP) report prepared and approved by ADB for Bhagalpur (Water supply Package: BWSP 1). IEE report for the package has been updated after finalization of DPR and submitted to ADB for approval. In case of any change of further scope and locations IEE will be revised subsequently.</p> <p>All measures and requirements as prescribed in IEE/EIA and EMP will be considered during implementation.</p> <p>Corrective or preventive action plans will be reflected in Environment Monitoring Report and project implementation authority will be taken care.</p>
Human and Financial Resources to Implement Safeguards Requirements		
7.	The Borrower shall cause the State to make available necessary budgetary and human resources to fully implement the EMPs	<p>Complied</p> <p>Budgetary provisions have been included in EMP of Tranche 1 sub project.</p> <p>Environment and Social Management Coordinator of Program Management Unit is in place</p> <p>Human resource (project consultant, i.e Environmental Specialist of PMC) for monitoring of EMPs is in place for regular compliance.</p>
Safeguards – Related Provisions in Bidding Documents and Works Contracts		
8.	The Borrower shall cause the State to ensure	Under compliance

Serial no. as per loan agreement	Program Specific Covenants	Status / Issues
	<p>that all bidding documents and contracts for Works contain provisions that require contractors to:</p> <p>(a) comply with the measures and requirements relevant to the contractor set forth in the IEEs, the EMPs, and any corrective or preventative actions set out in a Safeguards Monitoring Report;</p> <p>(b) make available a budget for all such environmental measures;</p> <p>(c) provide the PMU with a written notice of any unanticipated environmental risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEEs, the EMPs;</p> <p>(d) adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and</p> <p>(e) fully reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction.</p>	<p>(a) Approved draft IEE, EMP for BWSP1 is attached in Bidding documents. This process will be followed for all the sub projects.</p> <p>In case of any change of scope, revised IEEs, EMPs will be prepared and corrective measures will be disclosed to contractor and same will be reflected in the “Environment Monitoring Report”</p> <p>(b) IEE indicates budgetary provisions for implementation of EMP</p> <p>(c) With the development of sub project and implementation, in case of additional impacts/risks due to change in scope/area, that will be reflected in the revised IEEs, EMPs and Environment Monitoring Report and accordingly project Executing Agency will inform the Construction Agency for taking relevant corrective measures.</p> <p>(d) Haul roads will be marked properly (by avoiding residences and agricultural land) before commencement of transportation of materials.</p> <p>(e) Pathways, land which are likely to be affected for a short period during implementation of the sub project will be restored by concerned construction agency before acceptance of the work. Restoration status will be reflected in post construction monitoring report</p>
Safeguards Monitoring and Reporting		
10	<p>The Borrower shall cause the State 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 IEEs, the EMPs, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and</p>	<p>Under compliance</p> <p>(a) Generally Environmental Monitoring Report is to be prepared after starting of implementation of the project but as per action plan of ADB 5th semi-annual Safeguards Monitoring Report is prepared upto December 2015, which mainly cover loan covenant part and monitoring format etc.</p> <p>(b) With the development of project and implementation, in case of additional impacts/risks due to change in scope/area, will be reflected in revised IEEs, EMPs and accordingly Executing Agency (EA) will inform the ADB along with corrective action plan which will be reflected in the</p>

Serial no. as per loan agreement	Program Specific Covenants	Status / Issues
	proposed corrective action plan; and (c) report any breach of compliance with the measures and requirements set forth in the EMPs, promptly after becoming aware of the breach.	Monitoring Report. (c) in case of any breach of compliance with the measures and requirements set forth in the EMP; EA will promptly inform ADB and suitable corrective action plan will be planned.
Prohibited List of Investments		
11	The Borrower shall ensure or cause the State to ensure that no proceeds of the Loan are used to finance any activity included in the list of prohibited investment activities provided in Appendix 5 of the SPS.	Complied Under Tranche -1, there is no violation of prohibited investment activities as per ADB SPS (2009) Appendix 5. Same will be followed in subsequent project.
Labor Standards		
13.	The Borrower shall cause the State 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 (i) carry out HIV/AIDS awareness programs for labor and disseminate information at worksites on risks of sexually transmitted diseases and HIV/AIDS as part of health and safety measures for those employed during construction; (ii) follow and implement all statutory provisions on labor (including not employing or using children as labor, equal pay for equal work), health, safety, welfare, sanitation, and working conditions; and (iii) maximize employment of women and local poor and disadvantaged persons for construction purposes, provided that the requirements for efficiency are adequately met. Such contracts shall also include clauses for termination in case of any breach of the stated provisions by the contractors.	Complied in document and to be complied during implementation Provision are included (as per EMP & BID document) to carry out HIV/AIDS awareness programs for construction contractor, application of all relevant labour laws for health and safety including child labour law and engagement of local labours (preferably from economically backward group) covering women labours. In case of any breach of provision, necessary corrective measures as per contract clauses shall be taken. All activities including awareness program will be reflected in "Monitoring Report".

C. Implementation Arrangement

17. The Urban Development and Housing Department (UDHD) of Government of Bihar is the Executing Agency (EA) for the Project, which will receive strategic directions from a state-level Steering Committee. The Project Management Unit (PMU) within BUIDCo has an Environment and Social Management Coordinator (ESMC). Bihar Urban Infrastructure Development Corporation (BUIDCo), a company fully owned by GOB, which specializes in implementation of investment projects, will house the Project Management Unit (PMU) at state-level (Patna). PIU field offices have been set up in each project town to manage the implementation of sub-projects. In addition, Town Committees have been set up in each

project town for periodical review of subproject progress, facilitate smooth implementation and finalize proposals for any legal, operational and financial changes required, in discussion with the PMU and UDHD.

18. The PMU, with support from PIU field offices will ensure mitigation of negative environmental and social impacts due to the subproject, if any. The PMU will be assisted by Program Management Consultants (PMC) who will provide project management support, assure the technical quality of design and construction, prepare IEE/EIA/RP/IPP reports and provide advice on policy reforms.

Responsibilities of Environment and Social Management coordinator (ESMC) of Project Management Unit (PMU)

19. Environment and Social Management Coordinator within BUIDCo as PMU is to address environmental and social safeguards issues. The ESMC will be assisted by the PMC on environmental and social issues. The ESMC will oversee implementation the EARF/RF/IPF by the PIU/implementing NGO. The PMU will endorse subproject IEEs/EIAs and RPs/IPPs prepared by the Project Management Consultants and will have financing and monitoring responsibilities. It will co-ordinate with national and state agencies to resolve inter-departmental issues, if any. It will also monitor physical and non-physical activities under the investment plan and will monitor implementation of safeguards plans and guide PIU as and when necessary.

Program Management Consultants (PMC)

20. The Program Management Consultants (PMC) has an Environment Specialist (ES) and Resettlement/Social Development Specialist who will be responsible for the preparation of IEE/EIA and RP/IPP reports respectively. The Environment Specialist and Resettlement/Social Development Specialist of PMC will review and finalize all reports in consultation with the ESMC of PMU. The Environment Specialist (ES) and Resettlement/Social Development Specialist of PMC will submit periodic monitoring and implementation reports to PMU, who will take follow-up actions, if necessary.

21. The ESMC of PMU will endorse/submit periodic monitoring reports received from PMC to the Program Director, PMU who will then submit these to ADB. The monitoring report will focus on the progress of implementation of the IEE/EIA and EARF, RP/RF and IPP/IPF, issues encountered and measures adopted, follow-up actions required, if any, as well as the status of compliance with subproject selection criteria, and relevant loan covenants. The PMU will seek GoB clearance for submission and disclosure of the environmental and social monitoring report to ADB.

Project Implementation Unit (PIU)

22. The PIU is primarily tasked with the day-to-day implementation of safeguards plans. The PIU shall have safeguard officer at town level. They will be responsible for implementing and monitoring safeguards compliance activities. Safeguard officer will undertake surveys and record their observations throughout the construction period to ensure that safeguards and mitigation measures are provided as intended. It will be responsible for obtaining statutory clearances and obtaining NOCs from government agencies/other entities and entering into agreements with them for use of their land. It will also co-ordinate for obtaining

right of way clearances with related State and National agencies. The PIU will be responsible for delivery of entitlements to APs.

23. Safeguard implementation arrangement for the program is shown below.

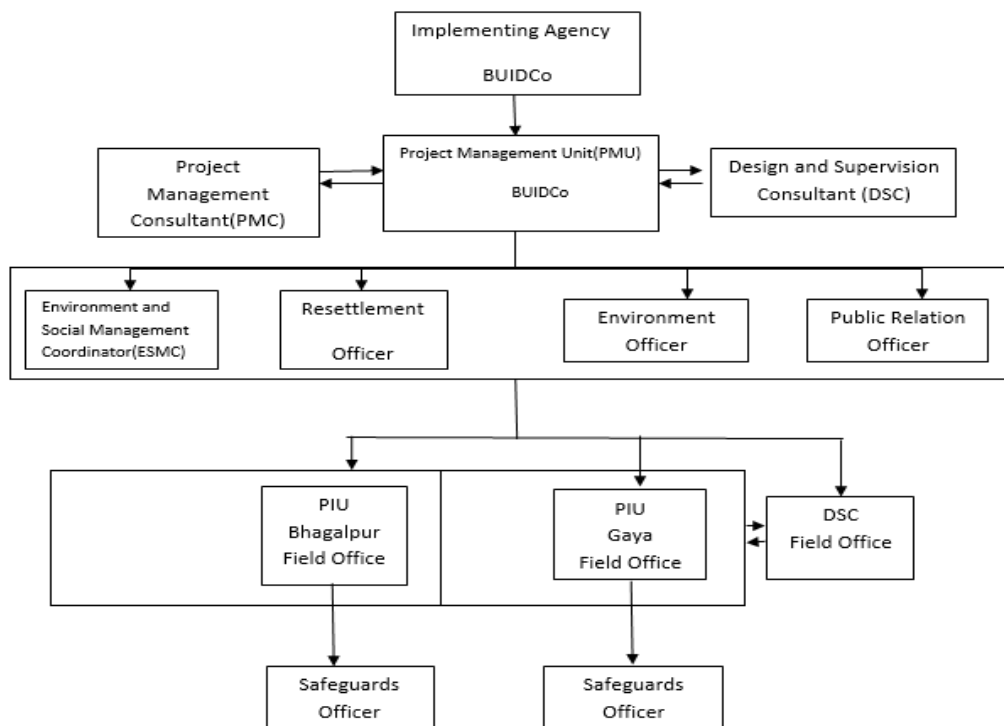


Figure 2: Safeguards Implementation Arrangement

24. **Table 4** shows the details of the environmental safeguards team.

Table 4: Details of BUDIP Environmental Safeguard Team

Designation	Name and Contact Details
PMU, Environmental & Social Management Coordinator	Name: Dr. Lata Choudhary Office Address: BUDICo, #201, 2nd Floor, Maurya Tower, Maurya Lok Complex, Budh Marg, Patna – 800 001, Bihar Phone: 094 7061 0480 Email: esmcinpmu.buidco@gmail.com/rash_lata@yahoo.co.in
PIU, Safeguard officer, Bhagalpur	Name: Ajit Office Address: C/O:-S.K.Karambir(PD-PIU), Ground Floor, Houseno-280A, Jawaripur, Ward no-31, Tilkamanjhi, Bhagalpur-812001, Bihar Phone: 097 0942 4203 Email: ajit2007kvkbb@gmail.com
PIU, Safeguard officer, Gaya	No staff
PMC, Environment Specialist	Name: Dr. Ardhendu Mitra Office Address: BUDIP-PMC, Address: BUDICo, #201, 2nd Floor, Maurya Tower, Maurya Lok Complex, Budh Marg, Patna – 800 001, Bihar Phone: 098 3041 5953 Email: ardhendumitra@gmail.com
PMC, Environment Expert – Non key	Name: Dr. Anil Kumar Patni Office Address: BUDIP-PMC, Address: BUDICo, #201, 2nd Floor, Maurya Tower, Maurya Lok Complex, Budh Marg,

	Patna – 800 001, Bihar Phone: 07631528472 Email: patnianil@gmail.com
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III. ENVIRONMENTAL PROCEDURE REVIEW

A. Environmental Legislation and Pollution Control Acts

25. The Government of India has formulated various policy guidelines; acts and regulations aimed at the sustenance of environment in general, which are briefly summarized and applicable acts with the programs, are described in the following sub-sections.

Sl. No.	Sources	Legislation
1	Water Pollution	The Water (Prevention and Control of Pollution) Act, 1974, as amended in 1988
2	Air Pollution	The Air (Prevention and Control of Pollution) Act, 1981, as amended by Amendment Act, 1987
3	Noise Pollution	The Noise Pollution (Regulation and Control) Rules, 2000
4	Environment	The Environment (Protection) Act, 1986
5	Public Liability	The Public Liability Insurance Act, 1991 The Public Liability Insurance Rules, 1991
6	Conservation, construction and reuse in and around the protected monuments	The Ancient Monuments and Archaeological Sites and Remains Act, 1958, and the rules, 1959
7	Hazardous Waste	<ul style="list-style-type: none"> ➤ Hazardous Waste (Management and Handling) Rules, 1989 ➤ Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 ➤ Emergency Planning Preparedness and Response for Chemical Disasters Rules, 1995 ➤ Hazardous Microorganisms and Genetically Modified Organisms (Manufacture, Use Import Export and Storage) Rules, 1999
8	EIA Notification	The Ministry of Environment and Forests has revised the EIA notification, 1994, and issues the revised EIA notification on 14th September 2006
9	Use and Management of Explosive	The Explosives Act, 1884 and The Explosives Rules, 1983

26. Prominent Acts are discussed below.

➤ **THE ENVIRONMENT PROTECTION ACT, 1986 AND THE EIA NOTIFICATION, 1994**

The Environmental (Protection) Act, 1986 is the umbrella legislation providing for the protection of environment in the country. This Act provided for the Environment (Protection) Rules, which have been formulated under the act “The Environmental Impact Assessment Notification, 1994 and the Amendments / Revised EIA notification on 14th September 2006”.and Year 2009.

➤ **THE FOREST (CONSERVATION) ACT, 1980**

The Forest (Conservation) Act, 1980 pertains to the cases of diversion of forest area and felling of roadside plantation. Depending on the size of the tract to be cleared, clearances are applied for at the following levels in the governments:

- If the area of forests to be cleared or diverted exceeds 20 ha (or, 10ha in hilly area), the prior permission of the Central Government is required;
- If the area of forest to be cleared or diverted is between 5 to 20 ha, the Regional Office of Chief Conservator of Forests is empowered to approve;
- If the area of forest to be cleared or diverted is below or equal to 5 ha, the State Government can give permission; and
- If the area to be clear-felled has a forest density of more than 40%, permission to undertake any work is needed from the Central Government, irrespective of the area to be cleared.

➤ **THE WILDLIFE (PROTECTION) ACT, 1972**

The Wildlife Protection Act has allowed the government to establish a number of National Parks and Sanctuaries over the past 25 years, to protect and conserve the flora and fauna of the state.

➤ **THE WATER (PREVENTION AND CONTROL OF POLLUTION) ACT 1974 AND AIR (PREVENTION AND CONTROL OF POLLUTION) ACT, 1981**

The water (Prevention and Control of Pollution) Act, 1974 resulted in the establishment of the Central and State level Pollution Control Boards whose responsibilities include managing water quality and effluent standards, as well as monitoring water quality, prosecuting offenders and issuing licenses for construction and operation of certain facilities. The SPCB is also empowered to set air quality standards and monitor and prosecute offenders under the air (Prevention and Control of Pollution) Act, 1981.

B. Environmental Legal Requirement

27. The specific requirements to ensure compliance by these components and subprojects are shown in **Table 5**.

Table 5: Action Required Ensuring Subprojects Comply with National Environmental Laws

Component	Applicable Legislation	Compliance	Action Required
1. All components that require acquisition of forest land	Forest (Conservation) Act 1980; Wildlife (protection) Act 1972	Approval from State Principal Chief Conservator of Forest Government of Bihar and Ministry of Environment, Forest and Climate Change (MoEFCC), Government of India	Identification of non-forest land and formulate an afforestation program.
2. Water Treatment Plant (WTP) – Surface water	Water (Prevention and Control of Pollution) Act	Consent to Establish (CTE) and Consent to	Based on project review and site inspection,

Component	Applicable Legislation	Compliance	Action Required
and Sewage Treatment Plant (STP)	1974	Operate (CTO) from Bihar State Pollution Control Board (BSPCB), Government of Bihar	Bihar State Pollution Control Board (BSPCB) provides CTE before construction, and stipulates the disposal standards to be met during operation. After completion of construction, Consent to Operate (CTO) will be issued confirming compliance with the CTE conditions, if any
		Renewal of CTO during operation of surface Water Treatment Plant (WTP) and Sewage Treatment Plant (STP)	Based on the performance of the WTP/STP and its compliance with the disposal standards CTO to be renewed every year.

C. Compliance with Environmental Regulations

28. Before implementation (construction) of the project compliance with environmental policy, law and legislation is necessary.

29. **Table 6** provides the status of compliance of subprojects to national and state laws, rules, policies and regulations applicable to BUDIP Tranche 1.

Table 6: Status of Compliance with National and State Legal Requirements

Town	Package No.	Components	National and State Legal Requirement	Status (upto 31.12.2015)	Conditions of the Clearance/NOCs
1. Water Supply System Subproject					
Bhagalpur	BH/WS/01	Rehabilitation, Construction, Operations, Maintenance and Management of Bhagalpur Water Supply Project 1 (BWSP1) – DBO contract (BH/WS/01)	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	Online proposal for CTE rehabilitation of WTP submitted to Pollution Control Board on 27.11.2015 and hard copy with fees submitted to Bihar State Pollution Control Board on 01.12.2015	CTE To be obtained shortly

Town	Package No.	Components	National and State Legal Requirement	Status (upto 31.12.2015)	Conditions of the Clearance/NOCs
			(CTO)		

IV. COMPLIANCE STATUS WITH THE ENVIRONMENTAL MANAGEMENT AND MONITORING PLAN

30. **EMP Compliance Status:** Field activities for new construction are not yet started under the **Tranche 1**. Application of EMP will be commenced as per final approved IEE report. Site specific EMP will be prepared by concerned contractor of the package. The compliance monitoring format for application of mitigation measures against impacts on air, water, soil environment, and social and safety aspects is shown in **Table 7**.

Table 7: Compliance to EMP of BH/WS/01 – BWSP1

	Field	Mitigation Activities and Method	Parameters monitored	Location	Responsible for Mitigation	Monitoring Method	Responsible for Monitoring	Date of Monitoring	Compliance Status/ Explanation
Pre Construction - Design phase									
1									
Construction phase									
1									

V. ENVIRONMENTAL MONITORING AND EVALUATION

31. For effective monitoring, selected environmental parameters have been identified as indicators which will be qualitatively and quantitatively measured and compared over a period of time in order to assess/ensure the compliance of EMP. The environmental performance indicators are physical, biological and social characteristics identified as most important in affecting the environment at critical locations all along the subproject locations. The parameters identified as performance indicators are:

- Air, noise and water quality
- Compliance to EMP
- Compliance to local/state/national environmental regulations

32. Base line air and noise quality monitoring was carried out at working locations as per scope of work. Ambient air quality data is presented in **Table 8**. Values of all parameters are within the standard.

Table 8: Ambient air quality monitoring result

Status of Ambient Air Quality of Bhagalpur					
S.No	Site name	Main Pollutants 2015 ($\mu\text{g}/\text{m}^3$)			
		PM ₁₀	PM _{2.5}	SO ₂	NO ₂
		CPCB standard 100	CPCB standard 60	CPCB standard 80	CPCB standard 80
1	Tilakmanjhi Chowk	79	36	24	52
2	Collectriate	68	31	17	39
3	Mahashay Deorhy	64	28	14	46
4	Barari Housing	74	26	21	44
5	Thakurbari	69	28	23	56
6	Constable Training School, CTS	61	24	12	46
7	Mount Assisi School	56	19	12	30
8	T.M. University	78	45	24	56
9	S.M. College	59	24	19	43
10	Sadar Hospital	87	56	26	41
11	WTP Barari	76	34	18	41
12	Beside WTP boundary-Transmission Rising main route	84	32	16	44

(BUDIP project data, Date of sampling: 2.11.15 to 5.11.15)

33. The noise level measurements have been carried out recently as part of primary baseline data generation activity to establish ambient noise levels in the project area and surroundings. The measured noise levels have been provided in **Table 9** below. It is noted from the data below that noise levels are well within the stipulated limits. The generation of noise is mainly due to commercial and human activities.

Table 9: Base Line Ambient Noise Level Monitoring Data at Project Location Sites and Surroundings

	Monitoring Locations	Noise Level in dB (A)			
		Day Time 6 AM- 10 PM		Night Time 10 PM—6 AM	
		Leq in dB(A)	Standard (dB(A))	Leq in dB(A)	Standard (dB(A))
1.	Tilakmanjhi Chowk	62.6	65	52.4	55
2.	Collectorate	63.1	65	51.6	55
3.	Mahashay Deorhy	62.7	65	54.3	55
4.	Barari Housing	53.4	65	44.1	55
5.	Thakurbari	64.7	65	51.8	55
6.	Constable Training School, CTS	63..8	65	54.3	55
7.	Mount Assisi School	49.2	50	39.1	40
8.	T.M. University	48.6	50	39.7	40
9.	S.M. College	48.7	50	41.8	40
10.	Sadar Hospital	48.6	50	38.2	40
11	WTP Barari	61.6	65	54.7	55
12	Beside WTP boundary- Transmission Rising main route	64.2	65	52.9	55

(BUDIP project data, Date of sampling: 2.11.15 to 5.11.15)

34. “During construction” monitoring will be carried out as per Environment Management and Monitoring Plan.

35. A performance monitoring blank fact sheet has been prepared to facilitate tracking and quick reference on environmental monitoring of **Tranche 1** subproject package (**Tables 10 and 11**).

Table 10: Performance Fact Sheet for Required Environmental Consents/Clearances of BUDIP

	Package Number	Name of Contractor	EMP Part of contract Document(Yes / No)	Environmental Consents / Clearances Required					
				Tree Cutting	Crusher	Batching Plant	Hot Mix Plant	Diesel Generator Set	Pollution Under Control (PUC) Certificates for Contractor's Vehicles
1									
2									

Table 11: Performance Fact Sheet for EMP Implementation of BUDIP Tranche 1

	Package Number	Name of Contractor	EMP Part of contract Document (Yes / No)	Contractor Social/ Environment Person ²	Overall Status of EMP Implementation	Field to be Monitored 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
						In compliance (2) / Partial Compliance (1) / Not in compliance (0) / Not applicable (n/a)												
1																		

VI. CONSULTATIONS AND DISCLOSURES CONDUCTED

36. As per approved IEE, consultations and disclosure will be a continuous process throughout Tranche 1 project implementation involving public consultations and focus group discussions. Within the report period no “during work” consultation and disclosures conducted at working locations since no physical work is started. Now the DBO contractor has finalized the design for BWSP1 package and IEE report has been updated. After approval of IEE physical work will be started. Recently during updation of IEE report local level public consultation has been conducted on 24th and 27th November 2015 at proposed project locations. Consultation details attached as **Annexure 1**.

37. The format for indicative schedule for “during construction” consultations and disclosure is presented in **Table 12**. Scheduled will be finalized before commencement of physical work.

Table 12: Indicative Schedule for Consultations and Disclosure at working locations

Type of Consultation/ Disclosure	Target Date	Location	Target Participants	Responsible Person and Source of Funds

38. Seven community orientation programs (COP) has been conducted for Bhagalpur sub project town. Altogether 519 (Representative from community 429, Councillors 24, 66 Officials) persons attended those orientation program. COP has been conducted on 12th February, 25th March, 29th April, 28th May and 18th June 2015. A Minutes of Meeting for the COP is already disclosed in last (January to June 2015) semi annual environment monitoring report.

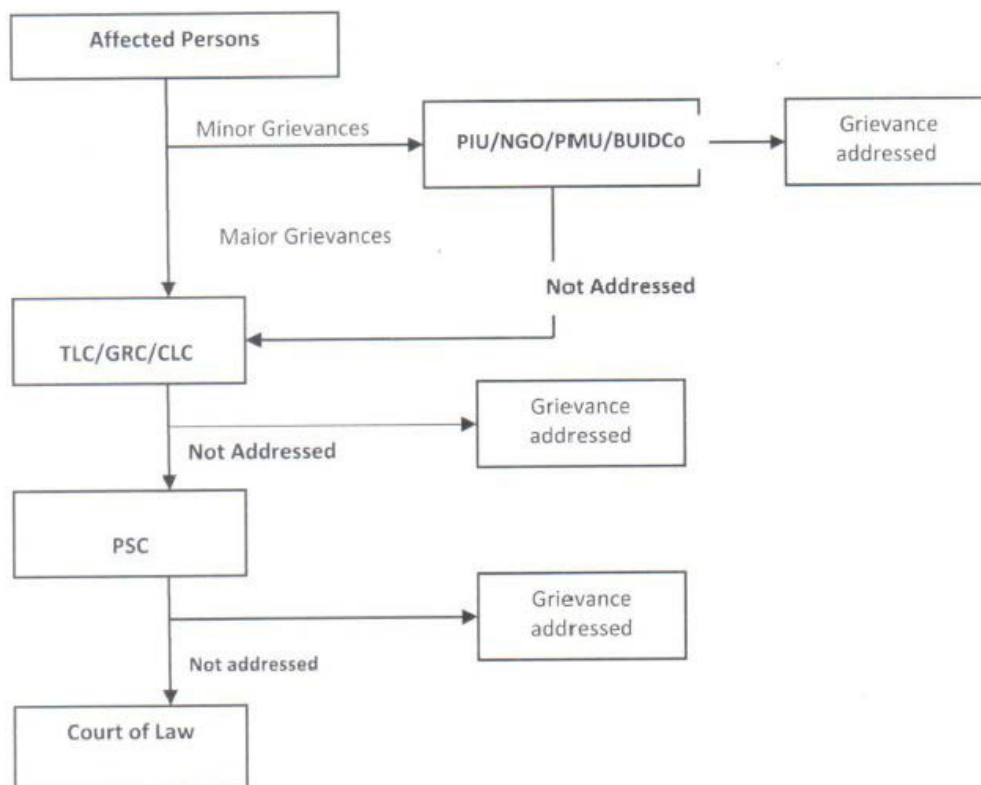
39. Safeguard orientation training program has been conducted at PMU for contractor and PIU Bhagalpur on 27th July 2015.

VII. GRIEVANCE REDRESSAL

40. A project Grievance Redressal Mechanism (GRM) have been established as per Environment and Social Assessment Review Framework to receive, evaluate and facilitate

²Nomination of Environmental & Social Safeguard Officer by Contractor(Nominated / Yet to be Nominated)

the resolution of affected people's concerns, complaints and grievances about the social and environmental performance at the level of the Project. The GRM will aim to provide a time-bound and transparent mechanism to voice and resolve social and environmental concerns linked to the project. The grievance redressal mechanism and procedure is depicted in **Figure 2** below. **Annexure 2** shows the sample Grievance Registration Form and Action taken report in English and Hindi (local language).



CLC-City Level Committee, ESMC-Environment and Social Management Coordinator, GRC-Grievance Redress Mechanism, NGO-Non Government Organization, PSC-Program Steering Committee

Figure 2: Grievance Redressal Mechanism

41. GR committee set up notification has been done for BUDIP on 27.05.2015.

VIII. FINDINGS AND RECOMMENDATIONS

42. Urbanization has increased at a rapid pace in India over the recent years, much faster than the increase in urban infrastructure facilities to support them. Also, pressure of population has been more on larger towns/cities putting enormous pressure on the resources of municipalities so much so that most are unable to keep up with the provision of even basic services and infrastructure resulting in irregular availability of water, sanitation and public amenities. In extreme cases, this has aggravated risks to public health and safety. Bihar is no exception and the 2 towns selected under this program are in direct need of upgradation of such urban infrastructure facilities which includes augmentation of water supply and sewerage network.

43. Experience from ADB-funded urban projects show complex social, economic, legal, institutional, and management issues in urban development – largely derived from realities of urban life in developing countries like India. Urban projects typically consist of a variety of infrastructure such as roads, water, sewerage, solid waste, and slum improvement/upgrading activities. This is important to mention in this context that the final detailed engineering design in each sub project of BUDIP will be prepared keeping in mind to avoid or minimize social and environmental impact as far as possible. However, since all the developments foreseen are city/town centric, it is difficult to avoid any impact whatsoever in densely populated towns or cities.

44. With the development of project the action plan will be considered for timely and satisfactory environmental compliance. Sample suggestion & action plan format is shown in **Table 13.**

Table 13: Corrective Action Plan

Non-compliance	Action Required	Responsible	Target Date	Indicator of Compliance

ANNEXURE 1: RECORDS OF PUBLIC CONSULTATION-BHAGALPUR (After finalization of design and during updation of IEE report)

Subproject: Improvement of Water supply system in Bhagalpur City

Date & Time: 24.11.2015 From 9.30-00 AM to 5-00 PM & 27.11.2015

Various issues related to the proposed subproject were discussed at various locations of the subproject area. Discussions were held with the parties directly and indirectly affected by the subproject execution as well as the general public of the subproject area. The problems faced by them along with their suggestions/concerns were recorded and the same have been given due consideration during formulation of the project design, IEE and EMP.

The participants, in general were in favour of the upcoming subproject. However, they were concerned about the permanent and temporary impacts which are expected to arise during construction stage such as traffic related issues, loss of access and increase in air pollution due to dust emissions. People are ready to extend all types of support during execution of the project. The details of the public consultation are detailed below:

Issues discussed-Housing Board

- Water quality issue was discussed which is good as per people informed
- Related to health and safety measures of the people during construction
- People are interested to do work on project area during construction
- Sensitive receptors issued was discussed with the people because a temple near corner of approach road exist

Issues discussed-Surkikal (ward 26)

- Water quality issue was discussed. impurities in the PHED supplied water
- Safety issued of children
- What precaution will be taken on health and safety of the people during construction
- People are interested to do work on project area during construction
- Sensitive receptors issued was discussed with the people because a temple near boundary of OHT site

Issues discussed-TM University

- Health and safety issue of workers will be considered.
- People are interested to do work on project area during construction
- Sensitive receptor (Temple near the corner) issued was discussed with people.

Issues discussed- Thakurbari, Warsaliganj

- Access road is narrow and used for general public so what safety measures will be taken during construction
- Water quality issue was discussed. As per public view water quality is good
- Drainage through *nalla* which is cleaned by Nagar Nigam
- Air pollution issue was also discussed for nearby area
- People are interested to do work on project area during construction
- Sensitive receptors (OHT is located on the temple trust land) near the OHT issued was also discussed with Trust member.

Issues discussed-WTP Barari


- Health & Safety measures issued
- Water quality issue was discussed. As per public view water quality is good
- No Drainage system in the surrounding area
- Air pollution issue was also discussed for nearby area
- People are interested to do work on project area during construction

Issues discussed-Distribution area, Adampur




- Access road is narrow and used for general public so what safety measures will be taken during construction

- Water quality issue was discussed. As per public view water quality is not good
- Drainage through *nalla* which is cleaned by Nagar Nigam
- Air pollution issue was also discussed for nearby area
- People are interested to do work on project area during construction


Consultation 1**Location** –Housing Board (Proposed work: Construction of New OHT)**Date & Time:** 24.11.2015, From 10.00 AM to 11-30 AM

Sr. No.	Key Issues/Demands	Perception of community	Action to be Taken
1	Awareness of the project – including coverage area	Local people are not much aware on components of the project.	Awareness program at different project locations related to project components is essential
2	In what way locals may associate with the project	At the construction phase some people can work as labourers.	Atleast 50% local labour will be engaged
3	Presence of historical/ cultural/ religious sites nearby	No	
4	Unfavourable climatic condition	Winters are generally cold, summers are hot and dry, and the monsoon season is characterized by moist heat and oppressive nights	Scheduling of work will be planned as per climatic condition
5	Occurrence of flood	No as such	
6	Drainage problem facing	No Drainage problem	
7	Access road to project Site	Yes <i>pucca</i> road available	
8	Present drinking water problem – quantity and quality	People have their own boring system or obtained from supply water Water quality good	After completion of project treated water will be supply
9	Availability of labour during construction time	Yes, labours are easily available nearby the site	Local labours will be engaged
10	Dust and noise pollution and disturbances during construction work	Request for arresting of dust and protection of habitation from noise pollution	Mitigation measures will be applied as per EMP
11	Setting up worker camp site within the village/ project locality	Project area is having sufficient space for workers camp. Local people will allow to set up labour camp	Prior setting up site office and labour camp NOC needs to be obtained from local authority
12	Safety of residents during construction phase and plying of vehicle for construction activities	Local requested for safety arrangement particularly where excavation is being planned near main city road.	Mitigation measures will be applied as per EMP
  			

Consultation 2**Date & Time:** 24.11.2015 From 11.30 AM to 12-30 PM**Location** –Surkikal ward 26 (Proposed work: Construction of New OHT)

Sr. No.	Key Issues/Demands	Perception of community	Action to be Taken
1	Awareness of the project – including coverage area	Local people are aware on components of the project.	Awareness program at different project locations related to project components is completed under PR Activity
2	In what way they may associate with the project	At the construction phase some people can work as labourers, after completion water supply to nearby areas shall be improved	Atleast 50% local labour will be engaged
3	Presence of any forest, wild life or any sensitive / unique environmental components nearby the project area	Temple near the boundary of OHT site	A transformer will be shifted from the site No impact on religious places
4	Occurrence of flood	No	
5	Drainage problem facing	Project site with drainage system. Which is not working properly	Improvement of drainage system will be taken up through separate funding
6	Present drinking water problem – quantity and quality	Water quality good some time impurities seen in the water	Requirement of sufficient water supply from PHED
7	Access road to project Site	Yes <i>pucca</i> road available	
8	Perception of locals On tree felling and afforestation	No tree cutting required	
9	Dust and noise pollution and disturbances during construction work	Request for arresting of dust and protection of habitation from noise pollution	Mitigation measures will be applied as per EMP
10	Setting up worker camp site within the village/ project locality	Project area is having sufficient space for workers camp. Local people will allow to set up labour camp	Prior setting up site office and labour camp NOC needs to be obtained from local authority
11	Safety of residents during construction phase and plying of vehicle for construction activities	Local requested for safety arrangement particularly where excavation is being planned near main city road.	Mitigation measures will be applied as per EMP
			

Consultation 3**Date & Time:** 24.11.2015, From 12.30 to 1-30 PM**Location**-TMU (Proposed work: Construction of New OHT)




Sr. No.	Key Issues/Demands	Perception of community	Action to be Taken
1	Awareness of the project – including coverage area	Local people are aware on components of the project.	Awareness program at different project locations related to project components was undertaken in PR activity
2	In what way they may associate with the project	Locals only need good and sufficient water	Outside labourers will be engaged. Quality water will be supplied after completion of project
3	Presence of any forest, wild life or any sensitive / unique environmental components nearby the project area	No	
4	Drainage problem facing	No Drainage system present	Improvement of drainage system will be taken up through separate funding
5	Present drinking water problem – quantity and quality	Water quality good and insufficient	Under the project good quality water will be supplied
6	Access road to project Site	Narrow road	
7	Perception of locals On tree felling and afforestation	People are agreed for tree cutting for water supply project	Three Litchi tree on the project area. Plantation against tree cutting will be required as per rule
8	Dust and noise pollution and disturbances during construction work	Request for arresting of dust and protection of habitation from noise pollution	Mitigation measures will be applied as per EMP
9	Safety of residents during construction phase and plying of vehicle for construction activities	Local requested for safety arrangement particularly where excavation is being planned	Mitigation measures will be applied as per EMP
			

Consultation 4

Date & Time: 24.11.2015, From 1-.45 PM to 4-00 PM

Location-Thakurbari (Proposed work: Construction of New OHT)

Sr. No.	Key Issues/Demands	Perception of community	Action to be Taken
1	Awareness of the project – including coverage area	Local people are aware on components of the project.	Awareness program at different project locations related to project components was undertaken in PR




			activity
2	Occurrence of flood	Not reported at site	
3	Drainage problem facing	Drainage system present	As per discussion public required a proper drainage system
4	Present drinking water problem – quantity and quality	Boring water supply from the temple trust area and water quality is good	
5	Presence of any forest, wild life or any sensitive / unique environmental components nearby the project area	Temple near the boundary of OHT site	
6	Availability of labour during construction time	Yes, labours are easily available nearby Area	Local labours will be engaged
7	Access road to project Site	Approach road narrow	
8	Dust and noise pollution and disturbances during construction work	Request for arresting of dust and protection of habitation from noise pollution	Mitigation measures will be applied as per EMP
9	Setting up worker camp site within the village/ project locality	Project area having space for workers camp	Prior setting up site office and labour camp NOC needs to be obtained from local authority
			

Consultation 5

Location –WTP Barari (Proposed work: Refurbishment of existing WTP)

Date & Time: 27.11.2015, From 10.00 AM to 12-00

Sr. No.	Key Issues/Demands	Perception of community	Action to be Taken
1	Awareness of the project – including coverage area	Local people are aware on components of the project.	Awareness program at different project locations related to project components is given by PR team
2	In what way locals may associate with the project	At the construction phase some people can work as labourers.	Atleast 50% local labour will be engaged
3	Presence of historical/ cultural/ religious sites nearby	No	
4	Unfavourable climatic condition	Winters are generally cold, summers are hot and dry, and the monsoon season is characterized by moist heat and oppressive nights	Scheduling of work will be planned as per climatic condition
5	Occurrence of flood	No as such	
6	Drainage problem facing	No Drainage problem	
7	Access road to project Site	Yes <i>pucca</i> road available	




8	Present drinking water problem – quantity and quality	People obtained water from supply water Water quality good	After completion of project treated water will be supply
9	Availability of labour during construction time	Yes, labours are easily available nearby the site	Local labours will be engaged
10	Dust and noise pollution and disturbances during construction work	Request for arresting of dust and protection of habitation from noise pollution	Mitigation measures will be applied as per EMP
11	Setting up worker camp site within the village/ project locality	Project area is having sufficient space for workers camp. Local people will allow to set up labour camp	Prior setting up site office and labour camp NOC needs to be obtained from local authority
12	Safety of residents during construction phase and plying of vehicle for construction activities	Local requested for safety arrangement particularly where excavation is being planned near main city road.	Mitigation measures will be applied as per EMP
			

Consultation 6

Location –Distribution Network area ,Adampur (Proposed work: Distribution Network)

Date & Time: 27.11.2015, From 03.00 PM to 05-00 PM

Sr. No.	Key Issues/Demands	Perception of community	Action to be Taken
1	Awareness of the project – including coverage area	Local people are aware on components of the project.	Awareness program at different project locations related to project components is given by PR team
2	In what way locals may associate with the project	At the construction phase some people can work as labourers.	Atleast 50% local labour will be engaged
3	Presence of historical/ cultural/ religious sites nearby	No	
4	Unfavourable climatic condition	Winters are generally cold, summers are hot and dry, and the monsoon season is characterized by moist heat and oppressive nights	Scheduling of work will be planned as per climatic condition
5	Occurrence of flood	No as such	
6	Drainage problem facing	No Drainage problem	
7	Access road to project Site	Yes <i>pucca</i> road available	
8	Present drinking water problem – quantity and quality	People obtained water from supply water Water quality good	After completion of project treated water will be supply
9	Availability of labour during	Yes, labours are easily available	Local labours will be engaged

	construction time	nearby the site	
10	Dust and noise pollution and disturbances during construction work	Request for arresting of dust and protection of habitation from noise pollution	Mitigation measures will be applied as per EMP
11	Safety of residents during construction phase and plying of vehicle for construction activities	Local requested for safety arrangement particularly where excavation is being planned near main city road.	Mitigation measures will be applied as per EMP
			

Summary of General and specific discussion – Feedback & action taken

- Issues: Problems faced due to absence of the proposed facility under the subproject
 - ✓ Feedback:
 - The quality and quantity of the water supplied at present is not adequate. Supply from tube well is expected at few locations
 - New settlements mostly in the peripheries of the town lack proper water production and water storage infrastructure.
 - ✓ Remarks
 - The participants in general were of the view that the proposed augmentation is the definite need and welcomed the subproject and ensured their full support.
- Issues: Awareness and extent of knowledge about the subproject
 - ✓ Feedback
 - Local people are not much aware on components of the project.
 - ✓ Remarks
 - Public consultation in different forms like one to one consultation, circulations of questionnaire, group discussions, etc. need to be a continuous process and IA will ensure this process throughout the project execution.
- Issues: Information on the perceived benefits of the subproject in terms of economic and environmental enhancement
 - ✓ Feedback:
 - General benefits perceived by the people are summarized as follows:
 - Improvement in the water supply scenario will solve the issues and problems related to the unsatisfactory quantity and quality of the water supplied.
 - It is hoped that adequate provisions will be made for satisfactory and standardized filtration and purification of the water which will be supplied in future.
 - The improvement in the water supply will provide safety to the people as they will be not at the risk of water borne diseases.
 - Areas of new settlements will get highly benefited with the proposed subproject.
 - Proposed infrastructure will ensure overall health and hygiene of the people in the subproject area.
 - ✓ Remarks
 - People impacted directly or indirectly due to subproject implementation should be adequately compensated.

- During implementation, maximum efforts should be made to minimize hindrances of public access by providing alternative access to roads, streets and homes.
 - The work should be carried out at a fast pace so that the duration of access disruption is minimized.
 - People suggested an efficient operation and maintenance system after the completion of the project
4. Issues: Information on perceived losses from the proposed subproject during execution stage in terms of disruptions in traffic, temporary access disruptions during execution and air and noise pollution, etc.
- ✓ Feedback:
 - People opined that potential temporary impacts of access disruption for residences, shops/commercial establishments, and institutions, etc. should be mitigated through good construction practices and an effective environment and contractors construction plan which should ensure providing walkways and metal sheets to maintain access across trenches, increasing the workforce in front of shops/commercial establishments, consulting business and institutions regarding operating hours and factoring this in work schedules, providing advance information on works to be undertaken including appropriate signages etc.
 - ✓ Remarks
 - Effective mitigation measure should be in place so that problems related to traffic disruptions; air and noise pollution are minimized.
5. Issues: Presence of any historical/cultural site in the vicinity
Presence of any protected area in or adjoining the construction site.
- ✓ Feedback:
 - There is no historical/cultural site in the corridor of the subproject.
 - There is no protected area in the corridor of the subproject.
 - ✓ Remarks
 - There are some sensitive receptors which include few educational institutions, health centers, religious places etc. in the project area for which proper mitigation measures relevant to the location and nature of the receptor will be kept in place during project execution and same will be part of EMP.

All Feedback and actions (remarks) are considered in design

List of the Participants in Public Consultation

Subproject Name:

Location of Meeting/Consultation: *Housing Board.*Date & Time: *24/11/15 @ 10:15 a.m.*

Sl. No	Name & Address	Occupation	Signature
1.	Mithlesh Kumar	Student	<i>Mithlesh Kumar</i>
2.	Asha Devi	Housewife	<i>Asha Devi</i>
3.	<i>Deenabale</i>		<i>Deenabale</i>
4.	Ashish Kumar	Engineer	<i>Ashish</i>
5.	Dilip K Singh		<i>Dilip</i>
6.	Narmit Kaushal 7549664834	emp.	<i>Narmit Kaushal</i>
7.	U.R. Singh	Housewife	<i>U.R. Singh</i>
8.	Praveen Kumar	Advocacy	<i>Praveen</i>
9.			

List of the Participants in Public Consultation

Subproject Name: 1.

Location of Meeting/Consultation: Sukikal

Date & Time: 24/11/2015 11:30

Sl. No	Name & Address	Occupation	Signature
1.	Bantay Kumar	Job	Bantay
2.	शंभु देवी		शंभु देवी
3.	बिनी देवी		बिनी देवी
4.	गीता देवी	Housewife	गीता देवी
5.	अंजु देवी	Housewife	अंजु देवी
6.	रंजीत देवी	Contractor	रंजीत देवी
7.	सविता देवी	Housewife	सविता देवी
8.	चम्पा देवी	Housewife	चम्पा देवी
9.	कल्पना देवी	" "	कल्पना देवी
10.	ज्योती देवी	" "	ज्योती देवी
11.	पवन कुमार	Student	पवन कुमार
12.	अमरजीत कुमार	Student	अमरजीत कुमार

Zoom in (Ctrl+Plus)

List of the Participants in Public Consultation

Subproject Name:

Location of Meeting/Consultation: P.M. University

Date & Time: 24/11/15 @ 12:30 pm

Sl. No	Name & Address	Occupation	Signature
1.	राज	विद्यार्थी	Raj
2.	पिपू कुमार	विद्यार्थी	Pipoo
3.	देवी कनार	विद्यार्थी	Sunny
4.	जीव कुमार -	student	Jeev
5.	मनोज कुमार मंडा		Manoj
6.	पुष्पा कुमार		Puspa
7.	सुमित कुमार	विद्यार्थी	Sumit
8.	Arun Kumar.	self owner of business	Arun
9.	रिंक	student	Rink
10.	Peeki Devi		Peeki Devi
11.	Anmit Raj	student	Anmit Raj
12.			
13.			

List of the Participants in Public Consultation

Subproject Name: BWSP

Location of Meeting/Consultation: Warsaliganj Thakurbari

Date & Time: 24/11/2015 1:45 PM

Sl. No	Name & Address	Occupation	Signature
1.	રેશમી દેવી	House wife	રેશમી દેવી
2.	આબા દેવી	//	આબા
3.	સાંભુલા દેવી	//	સાંભુલા દેવી
4.	સુની દેવી	//	સુની દેવી
5.	બેબી દેવી	//	બેબી દેવી
6.	સામન સુમાર	student	સામન સુમાર
7.	મહેશ પંડિત		મહેશ પંડિત
8.	દત્ત સુમાર	Student	દત્ત સુમાર

List of the participants in Public Consultation

Subproject Name: BWSP

Location: Customer Call Centre, W.T.P. - Bareilly

Date: 27-11-15

Sl. No.	Name & Address	Occupation	Signature
1	Ram Nivas	Self Emp.	R
2	Raj Malhotra	Self Emp.	R
3	मनम ठगल	Shop keeper	मनम ठगल
4	Suresh Roy	Job Private	Suresh Roy.
5	कुत 2113	Labor	कुत
6	Awadish Kumar	shop	अवदेष
7	राजेश ठगल	Thakurwala	
8	Seta Devi	Home Wife	
9	Saurav Sah	Private Job	
10	अमित 2114	Private Job	
11	Pushpendra Yadav	Labor	
12	Jai Ram		
13	2115 अमित	Private Job	
14	राजेश	Labour	

List of the participants in Public Consultation

Subproject Name: BWS P

Location: Distribution Network Area, Adampur

Date: 27-11-15

Sl. No.	Name & Address	Occupation	Signature
1	Ajay Saw	former	अजय साह
2	Kailash Kumar Sah-	Self Emp.	कैलाश
3	Vinod Sah-	Shop.	विनोद
4	रविश 210	Labor	
5	अमित कुमार	Shopkeeper	अमित
6	दिनेश सिंह	Labor	
7	Ajeet Singh	Private Job	अजित
8	Chandhyam Singh	Labor	
9	रमणीश	Labor	
10	अनन्द	Labor	
11	Pradeep Kumar	Private Job	प्रादीप
12	मनोद दश	mechanic/Operator	मन्दु
13	अमित कुमार	Labor	
14	राज साह	Thelawalai	

ANNEXURE 2: SAMPLE GRIEVANCE REGISTRATION FORM

(To be available in Hindi and English or local language, if any)

The **Bihar Urban Development Investment Program (BUDIP)** welcomes complaints, suggestions, queries and comments regarding project implementation. We encourage persons with grievance to provide their name and contact information to enable us to get in touch with you for clarification and feedback.

Should you choose to include your personal details but want that information to remain confidential, please inform us by writing/typing ***(CONFIDENTIAL)*** above your name. Thank you.

Date		Place of registration			
Contact Information/Personal Details					
Name		Gender	Male Female	Age	
Home Address					
Village / Town					
District					
Phone no.					
E-mail					
Complaint/Suggestion/Comment/Question Please provide the details (who, what, where and how) of your grievance below: If included as attachment/note/letter, please tick here:					
How do you want us to reach you for feedback or update on your comment/grievance?					

FOR OFFICIAL USE ONLY

Registered by: (Name of official registering grievance)	
If – then mode: <input type="checkbox"/> Note/Letter <input type="checkbox"/> E-mail <input type="checkbox"/> Verbal/Telephonic	
Reviewed by: (Names/Positions of Official(s) reviewing grievance)	
Action Taken:	
Whether Action Taken Disclosed:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Means of Disclosure:	

परिशिष्ट 1: शिकायत पंजीकरण फार्म का नमूना

(हिंदी, और उर्दू में उपलब्ध कराया जायेगा)

बिहार शहरी विकास निवेश कार्यक्रम (BUDIP) परियोजना के कार्यान्वयन से सम्बंधित शिकायतें, सुझाव, प्रश्नों और टिप्पणियों का आमंत्रित करती हैं। हम लोगों से अनुरोध करते हैं कि वे अपना नाम और संपर्क सूत्र कि जानकारी प्रदान करे ताकी स्पष्टीकरण एवं जवाब के संबंध में आपसे संपर्क कर सके ।

अगर आप अपने व्यक्तिगत विवरण को गोपनीय रखना चाहते हैं तो कृपया अपने नाम के ऊपर “गोपनीय / confidential) लिखे / टंकित करे । धन्यवाद।

तारीख			पंजीकरण का स्थान		
संपर्क करने संबंधी जानकारी / व्यक्तिगत विवरण					
नाम		लिंग	पुरुष महिला	आयु	
घरकापता					
शहर					
जिला					
फोन नं.					
ईमेल					
शिकायत / सुझाव / टिप्पणी / प्रश्न: नीचे अपनी शिकायत का विवरण (यथा कौन, क्या, कहां और कैसे) का उल्लेख करे:					
अगर संलग्नक / नोट / पत्र के रूप में हैं तो कृपया यहाँ टिक करें:					
हम आपसे टिप्पणी / शिकायत संबंध जानकारी प्रेषित करने हेतु कैसे संपर्क कर सकते हैं ।					
कार्यालय उपयोग के लिए					
पंजीकृतकर्ता: (अधिकृत व्यक्ति का नाम जिन्होंने शिकायत पंजीकृत किया हो)					
शिकायत प्राप्ति का जरिया:					
<input type="checkbox"/> नोट / पत्र <input type="checkbox"/> ईमेल <input type="checkbox"/> मौखिक / टेलीफोन					
समीक्षक: (अधिकारी का नाम एवं पद)					
कार्रवाई कि गयी:					
की गई कार्रवाई को उद्घाटित किया गया:			<input type="checkbox"/> हां <input type="checkbox"/> नहीं		
प्रकटीकरण का जरिया:					