

# Semi-Annual Social Monitoring Report

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Project number: 42266-023

Period: January - June 2016

## IND: Kolkata Environmental Improvement Investment Program – Tranche 1

Prepared by the Project Management Unit, Kolkata Environmental Improvement Investment Program, Kolkata Municipal Corporation, Government of West Bengal, for the Asian Development Bank.

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**KOLKATA ENVIRONMENTAL IMPROVEMENT  
INVESTMENT PROGRAM (KEIP) – PROJECT 1**

**PROJECT MANAGEMENT UNIT**

**SEMI ANNUAL SOCIAL SAFEGUARDS MONITORING REPORT  
TRANCHE 1  
ADB Loan 3053-IND  
(Period January to June 2016)**



**KOLKATA MUNICIPAL CORPORATION**

Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)

# Semi-Annual Social Safeguard Monitoring Report

ADB Loan Number 3053-IND  
Period Covered: January to June 2016

## **IND: KOLKATA ENVIRONMENTAL IMPROVEMENT INVESTMENT PROGRAM (KEIIP) – Project 1**

Prepared by Project Management Unit, Kolkata Environmental Improvement Investment Program, Kolkata Municipal Corporation, Government of West Bengal for Asian Development Bank

## **ABBREVIATIONS**

AAI	—	Airport Authority of India
ADB	—	Asian Development Bank
AP	—	Affected Person
C&P	—	Consultation and Participation
CBO	—	Community-Based Organization
CSTC	—	Calcutta State Transport Corporation
CTC	—	Calcutta Tramways Company
DMA	—	District-Metered Area
DSC	—	Design and Supervision Consultant
EMP	—	Environmental Management Plan
FGD	—	Focus Group Discussion
GAP	—	Gender Action Plan
GIS	—	Geographic Information System
GOI	—	Government of India
Govt.	—	Government
GoWB	—	Government of West Bengal
GRM	—	Grievance Redress Mechanism
HH	—	Household
IPP	—	Indigenous Peoples Plan

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KEIIP	—	Kolkata Environmental Improvement Investment Program
KEIP	—	Kolkata Environmental Improvement Project
Km	—	Kilometer
Km <sup>2</sup>	—	Square Kilometer
KMC	—	Kolkata Municipal Corporation
KMDA	—	Kolkata Metropolitan Development Authority
LAA	—	Land Acquisition Act
LHS	—	Left-Hand Side
M/F	—	Male/Female
m	—	Meter
M <sup>2</sup>	—	Square Meter
MLD	—	Million Liters Per Day
MM	—	Maheshtala Municipality
Mm/mm	—	Millimeter
MS	—	Mild Steel
NA	—	Not Applicable
NGO	—	Non-government Organization
No.	—	Number
NRRP	—	National Rehabilitation And Resettlement Policy
NRW	—	Non Revenue Water

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OBC	—	Other Backward Classes
PAF	—	Project Affected Family
PAH	—	Project Affected Household
PCB	—	Pollution Control Board
PD	—	Project Director
PDS	—	Public Distribution System
PHE	—	Public Health Engineering
PID	—	Project Implementation Director
PMU	—	Project Management Unit
PS	—	Pumping Station
PST	—	Pre-Setting Tanks
R&R	—	Resettlement and Rehabilitation
RHS	—	Right-Hand Side
ROW	—	Right-of-Way
Rs.	—	Rupees
S&D	—	Sewerage and Drainage
SC	—	Scheduled Caste
SDU	—	Social Development Unit
SIA	—	Social Impact Assessment
SPS	—	Safeguard Policy Statement

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SSU	—	Social Safeguard Unit
SSC	—	Social Safeguard Cell
ST	—	Scheduled Tribe
STP	—	Sewerage Treatment Plant
WBPCB	—	West Bengal Pollution Control Board

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## **EXECUTIVE SUMMARY**

The Kolkata Environmental Improvement Investment Program (KEIIP): 2014 – 2022 is a key urban infrastructure initiative of the Kolkata Municipal Corporation (KMC), closely following the implementation of the Kolkata Environment Improvement Project (2002-2013). The completed Kolkata Environmental Improvement Project (KEIP) is a multi-agency endeavor to arrest environmental degradation and improve the quality of life in Kolkata. The works under KEIP has been completed by 30 June 2013, the closing date of the ADB KEIP loans (1813-IND and 2293-IND). Both KMC and ADB wish to continue their combined efforts to improve the urban environment and living conditions in Kolkata, building on results achieved and experience gained. Therefore, a continuation of the KEIP has been proposed, which is named the Kolkata Environmental Improvement Investment Program (KEIIP). The ADB has expressed its willingness to support this program by providing a multi-tranche financing facility (MFF). KEIIP Tranche 1 will be implemented in the period 2014 to 2018; KEIP Phase 3 in the period 2014-2020 and Phase 4 in period 2016-2022, meaning that the various phases overlap each other

ADB requires the consideration of social safeguard issues in all aspects of the Bank's operations, and the requirements for involuntary resettlement are described in ADB's Safeguard Policy Statement (SPS), 2009.

The proposed KEIP phase 2 sewerage and drainage (S&D) subproject components includes,

- i) Micro-tunneling work on Sewer line along Diamond Harbour Road (**SD04**)
- ii) S&D network within Diamond Harbour Road catchment (**SD05**);
- iii) Micro Tunneling work on Pressure Main between Santoshpore MPS and Garden Reach STP (**SD06**);
- iv) Construction of S&D Network and Pumping Station in Borough - XIII (Ward 122) including Replacement of GAP Sewer Line in Borough-XV. Laying of Pumping Main and Rehabilitation of SSE STP including operation & Maintenance of the Pumping Station(s) and STP (**SD 07**)

Apart from the works which have been taken up under Tranche1, five additional works as mentioned below need to be addressed for better functioning of the S&D system and providing better benefits to the locality related to the water logging issue. The additional works are proposed under the subproject (TR1/SD05). The proposed additional works are as below:

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- Renovation works at DWF PS at R K Ghosh Road PS (Existing PS)
- Augmentation of SWF Pumping Capacity at Behala Flying Club PS (Existing PS)
- Laying of Rider Sewer in Upen Banerjee Road in Borough XIV
- Modification in the scope of Begore Branch PS,
- Modification of Joka PS including screening arrangement

The overall project is classified as Category B in accordance with ADB's Safeguard Policy Statement (SPS). ADB's SPS covers both temporary and permanent impacts.

There is no land acquisition required for the S&D subproject as the components will be located in properties held by KMC and within public right-of-way (ROW) of existing roads. The surveys and assessments undertaken indicate that construction and location of facilities will not entail any severe resettlement impacts like,

- 1) Demolition of structures
- 2) Physical displacement of people.

Components located within the public ROW may have short term impacts like limited access and livelihood disruption during the construction stage.

On the basis of stake holder consultations and field level observations This SSMR recons that there is no permanent impact occurred during the construction work. Moreover, for the changing of the design, hopefully, there will be no permanent impact in the near future. Hence, the Tranche - 1 subprojects can be considered as "Category B" project. Therefore, this SSMR recommends to prepare Due Diligence Report for Tranche - 1 subprojects instead of Resettlement Plans. The action has already been initiated ( As advised by ADB during their visit in month of September '16; Ref: Ad-Memoire ) by DSC and it is expected that all the DDRs will be ready by December '16.

Socio-economic surveys and rapid assessment of businesses/shops within the subproject impact area have been conducted. Businesses facing income loss due to disruption of access during construction phase will be compensated for lost income. Mobile hawkers and vendors will be assisted in moving to alternative locations during the period of construction and entitled to return once works are declared complete by the contractor. As a result of construction if there will be need of any Resettlement Plan, ADB will be notified and updated RP will be submitted for review and disclosure.

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The subproject's Grievance Redress Mechanism will provide the citizens with a platform for redress of their grievances and describes the informal and formal channels, time frame and mechanisms for resolving complaints about environmental performance. A Grievance Redress Cell has been set up at PMU & Contractors' level and it is functioning properly. The grievances received over phone were redressed through the Contractors of the respective subprojects. The implementation process of Grievance Redress Mechanism at KMC Ward & Borough offices is in progress.

## **PROJECT DESCRIPTION**

### **Background**

The city of Kolkata is the seventh largest metropolis in India, and had 4.5 million residents in 2011. It is the largest city in the state of West Bengal, and has been the biggest contributor to West Bengal's gross state domestic product, which was ranked sixth largest among all states in India in 2010. The continuous improvement in the city's urban environment is necessary to increase labor productivity through better health status of the urban population, especially when it has been experiencing lower population growth. There have been, however, geographical disparities in access and quality of the water supply and sewerage services, because the Kolkata Municipal Corporation (KMC), an urban local body with a mandate to provide these services under the KMC Act (1980), has an aging water supply system, and has inadequate sewer coverage in the city's peripheral areas. The Asian Development Bank (ADB) loans have assisted KMC in the expansion of the sewerage coverage through the Kolkata Environmental Improvement Project<sup>1</sup> (KEIP) since 2000. The Kolkata Environmental Improvement Investment Program (KEIIP) will help KMC not only to continue sewer network expansion on a larger scale, but also to gradually improve efficiency in water supply operations, which will enable KMC to generate operating surplus for capital investment in water supply and sewerage. On successful execution of KEIP under 2 Loans (1813-IND and 2293-IND) KMC has decided to secure further loan from ADB in multi-tranche financing facility (MFF) for infrastructural development. KMC plans to establish and upgrade essential infrastructure and service levels to develop an efficient S&D system. The specific objectives of the S&D subproject are (i) to improve the overall sanitary conditions in the subproject area; (ii) to improve environmental conditions in the subproject area to reduce health risks and economic loss to the citizens directly and indirectly; and (iii) to provide quick relief from waterlogging conditions in the subproject area. This subproject will have poverty

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reduction impacts and benefits due to increased service levels of basic amenities. The **S&D subproject under KEIIP Tranche 1 includes:**

- ✓ Micro-tunneling work on Sewer line along Diamond Harbour Road (**SD04** )
- ✓ S&D network within Diamond Harbour Road catchment (**SD05** );
- ✓ Micro Tunneling work on Pressure Main between Santoshpore MPS and Garden Reach STP (**SD06** );
- ✓ Construction of S&D Network and Pumping Station in Borough - XIII (Ward 122) including Replacement of GAP Sewer Line in Borough-XV. Laying of Pumping Main and Rehabilitation of SSE STP including operation & Maintenance of the Pumping Station(s) and STP (**SD 07** )

Tranche 1 S&D subproject and its components are to comply with relevant safeguard requirements of the loan agreement, the Government of India, the state government of West Bengal, and the ADB Safeguards Policy Statement (SPS), 2009. the S&D subproject under Tranche 1 aims to (i) provide critical facts and significant findings; (ii) present the national and local legal and institutional framework within which the social impact assessment has been carried out; (iii) identify mitigation measures and any residual negative impacts that cannot be mitigated; (iv) describe the set of mitigation measures to be undertaken to avoid, reduce, mitigate, or compensate for any resettlement impacts; (v) describe the grievance redress mechanism for resolving complaints; and (vi) describe the implementation arrangements, monitoring measures, and reporting procedures

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**Table 1 : Tranche – 1 Contract Packages & Description of its Components**

Package No.	Description
WS - 01	Performance based Water Loss Management at Cossipore Ward 1 to 6
WS - 02	Rehabilitation and Refurbishment of Water Works at Palta and Garden Reach
WS - 03	Supply and installation of Pumps and Motors at Tallah Palta and Garden Reach systems
WS & SD - 04	Laying of Water Trunk Main from Garden Reach Water Works to Taratala Valve Station and laying of Sewer Line along Diamond Harbour Road by Micro tunneling method
SD - 05	Construction of Pumping Station at Begore Khal and Joka Tram Depot and Construction of Sewerage and drainage network within Diamond Harbour Road Catchment
SD - 06	Micro Tunneling work on Pressure Main between Santoshpore MPS and Garden Reach STP.
SD - 07	Construction of S&D Network and Pumping Station in Borough - XIII (Ward 122) including Replacement of GAP Sewer Line in Borough-XV. Laying of Pumping Main and Rehabilitation of SSE STP including operation & Maintenance of the Pumping Station(s) and STP (Contract Package No. KEIIP/ICB/TR-1/SD07/2015-16
BR - 08 A	Interior Renovation of KEIIP Office at Business Towers, 206 AJC Bose Road, Kolkata 700 017 including Electrical Works and Air-Conditioning Works (Contract Package No. KEIIP/NCB/TR 1/BR-08A/2015-16
PK - 08B	Supply & Installation of Hardware and Software for Project Accounting System of Kolkata Environmental Improvement Investment Program (KEIIP) LOT 1 And Supply and installation of Geographical information System (GIS) Software - Lot 2 (Contract Package No. KEIIP/NCB/TR-1/BR-08B/2015-16/Lot ½

## **PROJECT COMPONENTS**

**Tranche 1 S&D subproject components include** (i) Micro-tunneling work on Sewer line along Diamond Harbour Road (SD04) (ii) S&D network within Diamond Harbour Road catchment (SD05); (iii) Micro Tunneling work on Pressure Main between Santoshpore MPS and Garden Reach STP (SD06); ( iv ) Construction of S&D Network and Pumping Station in Borough - XIII (Ward 122) including Replacement of GAP Sewer Line in Borough-XV. Laying of Pumping Main and Rehabilitation of SSE STP including operation & Maintenance of the Pumping Station(s) and STP (SD 07)

Descriptions of component locations are provided below:

- **SD - 04 & SD – 06**

The subproject components are located within the Churial and Monikhali basins. These basins are located in the southern and southwestern part of Kolkata. Churial Basin served a present population of 132,504, and Monikhali Basin, a population of 56,878. Churial Basin is moderately populated but currently growing very fast, while the metro being routed through these basins, a project currently under implementation, coupled with the recent improvements in road connectivity to the core city, These two basins are expected to grow at a rapid pace. This rapid growth in population with grossly inadequate S&D infrastructure will definitely put the citizens at great risk and discomfort. Therefore, there is a need to provide a organized S&D system in these areas in line with the existing system in the core city areas.

Execution of S&D subproject packages SD04 & SD06 construction activities will be located in the following areas i) construction of trunk sewer along Diamond Harbour Road from Sakher Bazar Crossing to Joka Tram Depot;] and ii) construction of pressure main between Santoshpur Main Pumping Station and Garden Reach STP.

- **SD04 & SD06 locations are in Churial basin and description of the location is provided below.**

i) Trunk sewer along Diamond Harbour Road from Sakher Bazar in the north to Churial Canal in the south on the Western alignment within public ROW, which has very heavy traffic and is lined with shops and commercial structures on both sides. Presently the metro construction is also underway along this stretch;

ii) The pressure main between Santoshpur main pumping station and Garden Reach sewerage treatment plant was planned to be constructed as part of the KEIP project, but

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could not be taken up. It is the only missing link in a system that is otherwise completely operational after completion of KEIP. Construction of this sewer main will ensure that the S&D system constructed by the KEIP in this area will become fully operational, and all anticipated benefits will be achieved. In view of the difficult site conditions, the construction will be by micro-tunneling with only two entry pits, both are located within the Govt. land

- Trunk sewer along Diamond Harbour Road from Sakher Bazaar to Churial canal along western side (PackageSD04)

Component	Description	Location of Subproject Component
Trunk sewer along Diamond Harbour Road from Sakher Bazaar to Churial canal along western side ( <b>PackageSD04</b> )	Parts of KMC wards 122-127	Within ROW of existing road Very heavy traffic and lined with shops and commercial structures. Presently the metro construction is also underway along this stretch.
Trunk sewer on Diamond Harbour Road from Joka tram depot to Churial canal by micro-tunneling (eastern side) ( <b>PackageSD04</b> )	As above	Within ROW of existing road Very heavy traffic and lined with shops and commercial structures. Presently the metro construction is also underway along this stretch
Pressure main between Santoshpur main pumping station and Garden Reach STP side ( <b>PackageSD06</b> )	Serves the population of KMC Borough XV in Hooghly and Garden Reach basins.	The largest section (525 m) is to be constructed by micro-tunneling in a casing pipe passing under a busy railway line and highly populated slum area.



• **SD 05**

The S&D subproject package SD05 components are located within the Monikhali and Churial basins. These basins are located in the southern and southwestern part of Kolkata. Churial Basin serves a present population of 132,504, and Monikhali basin, a population of 56,878. Churial Basin is moderately populated but currently growing very fast, while Monikhali is a developed area and has higher population densities than Churial. With the metro being routed through these basins, a project currently under implementation, coupled with the recent improvements in road connectivity to the core city, these two basins are expected to grow at a rapid pace. This rapid growth in population with grossly inadequate S&D infrastructure will definitely put the citizens at great risk and discomfort. Therefore, there is a need to provide an organized S&D system in these areas in line with the existing system in the core city areas.

Execution of S&D subproject package SD05 construction activities will be located in the following areas (i) in part of DH road catchment area (in Borough XIV) that is mostly affected by flooding. The lanes selected are within residential area and pipes will be laid within the ROW of existing roads; (iii) Construction of pumping stations at Joka Tram depot and Behala airport land (Begore Khal PS).

S&D subproject package SD05 description of component locations is provided below :

- (i) **Churial Basin:** The components of this subproject located in this basin include:
- a) 7-km S&D network (600 mm and above) within DH Road catchment area (in Borough XIV) that is mostly affected by flooding. The lanes selected are within residential area and pipes will be laid within the ROW of existing roads.
  - b) Construction of new S&D Pumping Station at Joka Tram depot. 3,037.8 sq.mt. of land required for establishment of this PS possession of which has already been taken over by KMC from CTC on 24.06.2014 on long term lease (renewable). This land is vacant and surrounded by walls.
- (ii) **Monikhali Basin:** This subproject component is a spillover from KEIP. The subproject activities for the Monikhali basin entail construction of a S&D pumping station at Begore on land (1,400 m<sup>2</sup>) located within the Behala Flying Club Area and owned by the Airport Authority of India (AAI). The possession of the land has already been take over by KMC on 18.06.2014 on long term lease (renewable). The land is vacant and there are no squatters or hawkers. Parcels of private land measuring 262.19 sq. mt. required for access road to this PS and laying of underground pipes to connect the PS has been arranged by outright purchasing the same from 9 owners at a negotiated price. This land also includes 7 non timber trees and 1 defunct structure. The details of land purchase was provided in the earlier SSMR.

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<b>Component</b>	<b>Municipality and Ward No.</b>	<b>Location of Subproject Component</b>
S&D mains (600 mm and above) in DH catchment (first stage)	Parts of KMC Ward 125	Located in a part of the DH Road catchment area that is mostly affected by flooding. The lanes selected are located within residential area. Pipes will be within ROW of existing roads.
New S&D Pumping Station at Joka tram depot	KMC area	Within the area of defunct Joka tram depot This land owned by the Calcutta Tramways Company (CTC) is vacant, and possession of the land has already been taken over from CTC on 24.06.2014 .
Construction of Begore Khal pumping station for dry weather flows from Zone 1 and Zone 4B and storm water flows from Zone 4B at Maheshtala municipality area adjacent to Zone 4B sub-basin in Monikhali basin. Construction of disposal arrangements for discharging storm water flows into Begore branch canal Construction of pumping main to convey dry weather flows to a manhole located in Zone 4A.	Maheshtala	The land for the pumping station is located at the Behala Flying Club area and is currently owned by the Airport Authority of India (AAI). The land is vacant and there are no squatters or hawkers.  The possession of the land has already been taken over by KMC from AAI on 18.06.2014 on long term lease (renewable).
Construction of access road to the Begore pumping station	Maheshtala	2 parcels of land is private and owned by 9 owners.  One parcel of the land is vacant and there are no squatters or hawkers and The other parcel land has a closed shop without any tenant. The owners of the land (both the parcel)

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		has given written consent to sell the land to KMC at a negotiated price. The details of land purchase was provided in the earlier SSMR.
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### **SD - 07**

#### **The objective of the subproject of Package-7 under Tranche 1:**

- 1) Rehabilitation of GAP sewer along Third Railway line – Karbala Road including allied works in Borough XV.**

Most of the areas become waterlogged due to non functional portion of GAP sewer. The replacement is urgently required.

- 2) Laying of Pumping main along Taratala Road and Santoshpur Road from Trenching Ground Sewage PS to Santoshpur Main Sewage PS.**

It had been noted that running of more than one pump results overflowing at the manhole. Laying of new pipelines to take away waste water from Trenching Ground SPS to Santoshpur MSPS will be advantageous.

- 3) Development of S&D network including one combined pumping station within South Sub-urban East Catchments - Ward – 122 (Part)**

The present study area which is a part of the 'Added Areas' but not covered under the KEIIP is almost devoid of any organized sewerage and drainage system. Some of the areas are water logged and that too prolonged.

- 4) Rehabilitation of South Sub-urban East (SSE) STP**

For the following reasons the rehabilitation is essential.

- a) The side slope of embankment in ponds is in poor condition.
- b) Embankment protection work is not provided.
- c) Water hyacinth and aquatic weeds growth is observed in the water body.
- d) There is no periodical cleaning & thus sludge has been deposited in anaerobic pond and aerated lagoon.

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e) Floating aerators are not working in full capacity.

<b>Component</b>	<b>Location</b>
Rehabilitation of GAP sewer along Third Railway line – Karbala Road including allied works in Borough XV.	From Gandhi Maidan to Karbala Unnayan Samity and up to Santoshpur Main Road).
Laying of Pumping main along Taratala Road and Santoshpur Road from Trenching Ground Sewage PS to Santoshpur Main Sewage PS	Laying of Pumping main along Taratala Road and Santoshpur Road from Trenching Ground PS to Santoshpur PS
Development of S&D network including one combined pumping station within South Sub-urban East Catchment - Ward – 122 (Part)	Rehabilitation of GAP line along Third Railway line – Karbala Road including allied works in borough XV STP is existing in Dhalipara
Rehabilitation of South Sub-urban East (SSE) STP	Development of S&D network including one combined pumping station within south sub – urban east area (Ward – 122)

## **THE ADDITIONAL WORKS**

- Renovation works at DWF PS at R K Ghosh Road PS (Existing PS)
- Augmentation of SWF Pumping Capacity at Behala Flying Club PS (Existing PS)
- Laying of Rider Sewer in Upen Banerjee Road in Borough XIV
- Modification in the scope of Begore Branch PS,
- Modification of Joka PS including screening arrangement
  
- **Behala Flying Club PS:**

### **A) Proposal**

Proposal for modification of the existing PS has been framed in such way that two SWF pumps already installed could be operated in parallel for providing relief to the basin during heavy rainfall. Further, a proposal has also been conceptualized for augmentation of SWF pump capacity.

Modification of the inlet arrangements of the PS has been proposed to feed storm water to the PS adequate to ensure running of all the SWF pumps in parallel (already installed 2 nos. of SWF pumps & proposed 1 no. additional SWF pump). For augmentation of the pumping station, one additional SWF pump of capacity 750 lps will be installed in the wet well. Capacity of the SWF pump has been adopted in such way that all the three nos. SWF pumps can be operated in parallel, giving a total SWF discharge of 2250 lps, keeping minimum interferences to electrical components and retaining the existing SWF common header of 1000mm diameter discharging to the Parnashree canal.

### **B) Scope of works:**

- ✓ **Installation of a new SWF pump of capacity 750 lps ( head 7.5 m)**
- ✓ **Modification of different units of Behala Flying club PS matching with SWF flow**
- **Laying of rider sewers along Upen Banerjee Road:**

### **A) Proposal**

Under KEIP, trunk S&D network has been developed in Borough XIV utilizing existing sewers, particularly sewer laid under the GAP. Almost all the major roads have been covered by sewer lines for systematic conveyance of storm water flow (SWF) and dry weather flow (DWF) under KEIP. But no sewer line has been laid along one of the major

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road, i.e. Upen Banerjee Road, since the exiting sewer line, laid under GAP and existing drains were utilized to cater combined flow.

It is observed that the road experiences frequently water logging even at a rainfall of moderate intensity. It is also found that the entire road is not covered by the drains and it is found that existing drain at most of the places is open and not in good condition to cater the SWF.

In this situation, rider sewers along the road are proposed to cater to the combined flow generated from the road. The proposal of rider sewer not only reduces water logging at the road, but also widens the road by providing closed conduit in place of open drain.

### **B) Scope of works**

- ✓ **Laying of rider sewers (ranging from 250 mm to 500 mm) for a length totaling 2.3 km.**

Tranche 1 S&D subproject and its components are to comply with relevant safeguard requirements of the loan agreement, the Government of India, the state government of West Bengal, and the ADB Safeguards Policy Statement (SPS), 2009. The S&D subproject package SD05 aims to (i) provide critical facts and significant findings; (ii) present the national and local legal and institutional framework within which the social impact assessment has been carried out; (iii) identify mitigation measures and any residual negative impacts that cannot be mitigated; (iv) describe the set of mitigation measures to be undertaken to avoid, reduce, mitigate, or compensate for any resettlement impacts; (v) describe the grievance redress mechanism for resolving complaints; and (vi) describe the implementation arrangements, monitoring measures, and reporting procedures.

Presently, the particular Report has been prepared for Behala Flying Club Pumping station to understand the augmentation of the capacity of storm water. It is the unfinished work, which could not be completed in Phase -1 (KEIP), have been taken up by KEIIP.

### **Impact of additional works:**

An effort was made to observe the situation in the project area along the supply systems and also probe into the type of impact in various locations by a reconnaissance visit (Conducted By DSC). The following situation was found at/around place

**Table 2 : Resettlement Impacts**

<b>Components</b>	<b>IR Impacts</b>	<b>IP Impacts</b>	<b>Mitigation measures</b>
S & D network	There are temporary traffic disturbances, no IR impacts anticipated.	None	Contractors to manage traffic flow in consultation with local authorities.  It would be their responsibilities to minimize the disturbances which may likely to occur during laying of pipes

The Subproject will involve no physical displacement. Though pipes will be laid along the road there will be temporary disturbances and not of permanent nature like displacement and relocation

- **Risk and assumptions**

Due to construction activities local people, shop owners, vendors may object for the temporary disturbances. It will have to be mitigated through communication and consultation with the communities if needed.

Permission will have to be taken from Traffic Authority for diversion of traffic. Approval for shifting of utilities will have to be taken as well.

- **Field Work, Surveys and Public Consultations.**

Stakeholders' consultations have been in progress from the inception stage of the project and the same will be continued during the entire project cycle, i.e., preparation, implementation and post implementation. During the preparatory stages, consultations have been carried out with various concerned government officials and local communities as part of the social and resettlement study in order to gather their views on the proposed program. All the affected persons were also consulted on a one to one basis through questionnaire surveys for the tranche – I subproject activities. Additionally, focused group discussions are also in progress at the project influence areas. The details were provided in earlier SSMR July – December 2015 (Annex: 1,2&3 page 31, 32 & 52 - 54)

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- **Renovation works at DWF PS at R K Ghosh Road PS (Existing PS):**

Under Kolkata Environmental Improvement Project (KEIP), development of S&D system in Borough I was taken up and almost all the works related to the S&D system has been completed. The Project was physically closed on 30<sup>th</sup> June 2013, except few small works, as mentioned below, could not be completed within the stipulated contract closure time.

- 1) **Works required making R K Ghosh PS functional**

- 2) **Installation of sluice gate in open drain connecting to Phool Bagan Nikashi**

The RK Ghosh pumping station has been proposed to cater dry weather flow (DWF) generated from the ward 2 DWF generated from the area is conveyed to this PS through sewers along Kalicharan Ghosh Road/ Ramakrishna Ghosh road. SWF generated from the area is proposed to be diverted to the Noapara PS through sewers along Mondal Para Lane / Ramkali Mukherjee Road for ultimate disposal to Bagjola canal. From R K Ghosh pumping station, the DWF has been proposed to be conveyed to the Dutta Bagan PS. DWF would be pumped by pumping main discharging at a manhole located near crossing of Seven Tank Road and South Sinthee Road. DWF has then been proposed to be conveyed to Dutta Bagan pumping station through gravity sewers along Seven Tank Road / Northern Avenue / Raja Manindra Road. The entire DWF reaching to Dutta Bagan pumping station has been proposed to be transported to Bagjola PS, for ultimate conveyance to Bangur STP

- **Salient details of the Pumping Station**

- ✓ Population served by this PS (For 2031) - 41381
- ✓ Catchment area - 110.7 ha
- ✓ Details of pump
  - Capacity of pumping station – 180 lps
  - No. of Pump – 3 ( 2 working +1 stand by)
  - Capacity of each pump – 90 lps
  - Head of pump – 15.5m

### **Problem encountered during operation of the Pump**

It has been noted that when DWF pump is operated at R K Ghosh Road pumping station, the manhole at which the pumping main discharges, is becoming full in very short time, resulting overflow through the manhole. The problem of overflowing through the system encountered even when 1 DWF pump is put into operation. Hence, it is difficult to operate the DWF pumps.



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### **Deficiencies as identified**

- Almost entire length of the sewer is silted-up to varied extent.
- Existing sewer across Dum Dum Road, the parallel sewers along Northern Avenue and the existing sewer along Raja Manindra Road that has been considered to be retained in the system, in particular, are heavily silted-up.
- Also some blockage/ obstructions to the sewers anticipated.

### **Action to be taken to make the system functional**

Desilting of sewers is urgently required. In addition to this, some small works within R K Ghosh PS need to be carried out to make the PS functional.

- **Scope of works**
- ✓ Desilting of sewers ( length – 2675 m, from the manhole at which the pumping mains discharging to Dutta Bagan PS, dia 700 to 1600 mm)
- ✓ CCTV survey and investigation (length – 2675 m)
- ✓ Removal of blockage from the inlet sewer to wet well of PS including allied works
- ✓ Rehabilitation of existing sewer of about 30 m.

### **Installation of sluice gate at in open drain connecting to Phool Bagan Nikashi**

A gravity outfall structure including sluice gate was proposed under KEIP in an open drain connecting to Phool Bagan Nikashi (discharging drain/canal) near Noapara PS to prevent the backflow from the Phool Bagan Nikashi into the system. This also hampered the effectiveness of pumping system at Noapara due to backflow of the pumped storm water. The works were considered to be executed under package - KEIP/ICB/SDD4/2009-10. Substantial part of civil works of outfall structure has been completed and sluice gate has been procured under KEIP. The works like gate installation could not be completed within the stipulated contract closure time. Layout of Drainage discharge / outlet system near Noapara PS.

### **Scope of works**

- ✓ Part of civil works of outfall structure
- ✓ Fixing & Installation of gate

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- **Screening arrangement for(a) Begore PS and (b)Joka PS under Package SD 05**

The scope of the screening arrangement for the pumping stations covered under the package SD 05 is described below:

### **ORIGINAL SCOPE**

The original scope of the screening arrangement for Begore PS and Joka PS consist of the following for each station:

i)	Fixed type Trash Rack in MS construction for each of the screen channel with clear gap of 70 mm between bars	: 3 nos
ii)	Dual manual bar screen in SS 304 construction for each of the screen scannel with clear gap of 32 mm between bars	: 3 nos
iii)	Lifting arrangement with electric Hoist for each manual bar screen	: 6 sets

During the recent discussions with the Line Department, KMC the performance of the lifting arrangement of the screens of the pumping stations constructed under KEIP, and also the maintenance related issues for the trash rack was highlighted.

- **NEW PROPOSAL**

In order to make the screening arrangement trouble free and fail proof, It is proposed to install robust and sturdy lifting arrangement of the dual manual bar screen need to be provided by way of installing drum rope hoisting mechanism through gear reduction and drive unit. Moreover it is also proposed to install dual manual semi-course bar screen in SS construction with a clear gap of 50 mm complete with drum rope hoisting mechanism through gear reduction and drive unit instead of trash rack.

With the drum rope hoisting arrangement and provision of semi-course and fine bar screens, the following shall be the revised components for each of the Pumping Station at Begore PS and Joka PS:

## Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)

i)	Semi-course dual manual screen in SS304 construction for each of the screen channel with gap of 50 mm between bars	: 6 nos
ii)	Fine dual bar screen in SS304 construction for each of the screen channel with gap of 32 mm between bars	: 6 nos
iii)	Rope drum hoisting arrangement consisting of rope, drum unit, gear reduction unit, drive motor and control console	: 12 sets

The SS bar screen shall be executed at the rate available in the BOQ of the contract. New rate for drum hoisting arrangement for lifting of bar screens shall have to be obtained from the contractor and finalised as per contract provisions.

As per the original scope the cost provisions for the Begore PS and Joka PS as per BOQ is INR 272.2 lakh. :

With the proposed method of lifting arrangement of screens by implementing rope drum hoisting consisting of the rope drum, rope, gear reduction unit and drive motor and installation of semi-course screen of SS construction instead of trash rack in MS construction, the total cost for the two PS shall be to the tune of INR 300 lakh approximately.

Necessary approval for the installation of lifting arrangement of screens by implementing rope drum hoisting consisting of the rope drum, rope, gear reduction unit and drive motor and providing of semi-course screen of SS construction instead of trash rack in MS construction may please be obtained from the Competent Authority, after consent from the S&D Department of KMC.

### • **Impact on Vulnerable Persons**

While this package (SD05) is not a targeted poverty intervention program, it will have poverty reduction impacts and benefits through increased service levels of basic amenities. It is expected that an improved S&D system will help improve the overall hygiene, resulting in improved health and reducing time and expenses spent on maintaining hygienic conditions. This will further help reduce the burden of expenditure on health and time spent on care

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giving, as well as allowing more time to pursue economic activities. This subproject will especially be of benefit to women, who spend considerable time on their household chores and looking after children and family, as well as pursuing some economic activity to help contribute to the household's finances. Educational standards will also get a boost, with children leading healthier lives and being able to attend school

- **Impact on Indigenous People**

The subproject area is a highly urbanized area, and statistics show that less than 10,000 people belonging to scheduled tribes (STs) are found within KMC area. None of the proposed subproject facilities are located on land belonging to scheduled tribes. Also, scheduled tribes in Kolkata speak the same language as the majority of the population, do not have traditional rights and/or access to land resources, and do not follow any distinct cultural practices. One can safely conclude that the ST population in KMC has been assimilated in mainstream society. Rapid assessments transect walks and socioeconomic surveys did not indicate the presence of indigenous people (IP); therefore, no impacts are envisaged.

- **Gender Considerations**

The project is expected to benefit women. In addition to the measures provided for addressing the gender concerns of the affected households, the resettlement plan will be implemented in consonance with the gender action plan (GAP) for the project.

- **Women-headed households:** There are no women headed households among the surveyed population.
- **Literacy:** While all women are found have some level of literacy; it is found that the level of education achieved was higher among men than women. There is still some difference in the literacy between male and female.
- **Economic activity.** A total of **77%** of the women in the surveyed households were housewives. Only **12.5%** women were involved in income-earning activities compared to **87.5%** of the men. It has been reported that in addition to the economic activities outside the home, women are extensively involved in household activities like cooking and cleaning, washing clothes, child care, care of the elderly, etc.
- **Decision-making.** The respondents were also asked about the involvement of women in decision-making on household matters, and it was found that women were

## **Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

indeed involved. About **68%** of the HHs reported that decisions were made by both spouses, **30%** of HHs stated that decisions were made by men, and **2%** that decisions were made by women.

- **Gender division of housework.** During the survey, the respondents were also asked about the gender division of household work. Most of the household chores were left to the women. The men helped in chores like shopping, teaching children, etc.

The survey indicates that **50.5%** of the adult population was engaged in some form of economic activity; **25.5%** was engaged in trading and **2.4%** was in government service. The strip maps indicate that Diamond Harbour road stretch is major business center with lots of shops dealing with various kinds of products. While the main Diamond Harbour Road is not prone to flooding during rains, the laterals face water logging frequently during heavy rains, making access and sanitation a major problem for this area covered by open drains. This has adverse impacts on the income potential of the businesses located within this area. Water logging also impacts the earning potential of the roadside hawkers and street side markets. Discussions with respondents during the survey revealed that most of them felt that construction works within the ROW always leads to transportation problems and traffic jams. They were of the opinion that traffic management should be given priority to minimize traffic congestion, and that information sharing would help people in managing the disturbances faced during road works.

A total of **24.7%** of the respondent HHs spend amounts ranging from Rs.100 to Rs. 2,000 per annum on sanitation. A moderate amount of money is also spent on health care. While all illnesses are not attributable to sanitation levels, improved service levels are expected to reduce the burden on caregivers, who are mostly the women in the household.

Source of the above survey statistics : RP of SD - 05, Page No. 13, 14 & 15, Section B. Socioeconomic Profile of Area Impacted by the Package SD - 05

**GAP IMPLEMENTATION**

**Table 4 : Summary of Awareness Programme for Women Only.**

**{WS 01, Ward No. 5}**

DATE	LOCAT ION	NO OF PARTICIPANTS				STATUS OF PARTICIPANTS	TOPIC DISCUSSED	ISSUES RAISED
		MA LE	FEM ALE	% of Female	TOTAL			
1 <sup>st</sup> February, 2016	Indra Biswas Road, Ward No. 5  (near Tala Park Police Station) , Kolkata ,		98	100%	98	Female : House Wives & SHG members	<ol style="list-style-type: none"> <li>1. Introduction of KEIIP as an initiatives of Kolkata Municipal Corporation with the financial support of Asian Development Bank</li> <li>2. Need and scope of work of KEIIP.</li> <li>3. Laying of new pipes &amp; replacement of old supply lines.</li> <li>4. No impact on Structure, livelihood &amp; transportation.</li> <li>5. Public participation required for successful implementation of the project work.</li> </ol>	<ol style="list-style-type: none"> <li>1. Public awareness through mass campaigning on 24x7 water supply.</li> <li>3. Identification &amp; short listing of consumers having high requirement of water especially the commercial units.</li> <li>4. Digging within the consumer premises shall be completed in day' time.</li> <li>5. Residents Welfare Association (RWA) / notified societies shall be informed about time schedule for digging &amp; restoration work within the colony.</li> <li>6. Formation of User Group</li> </ol>

## **Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

### **• Brief of the Consultation Meeting Ward No 5 , WS--01**

A Community Consultation programme was conducted on 27<sup>th</sup> Feb. 2016 at above mentioned location for information dissemination and exchange of views for the upcoming Water Loss Management subproject under Tranche – I, KEIIP.

The Consultation programme was chaired by the Borough - I Chairperson, Sri Tarun Saha, Ward No- 5. The meeting was conducted in presence of Staffs of Social Safeguard Cell, KEIIP, Social Safeguard Specialist of Social Safeguard Cell, 98 female participants were present during the programme. The programme continued for 1 hour. Information was exchanged regarding the project work.

Among the female participants, most of the women were housewives and SHG members. The male participants were mainly service holders and retired persons.

### **Information shared on following topics:**

- Introduction of KEIIP, as a key authority of urban infrastructure development initiative of the Kolkata Municipal Corporation (KMC), with the financial support of Asian Development Bank for arresting the degradation of environment of Kolkata and adjoining areas.
- Need and scope of work of KEIIP.
- KMC being the mother body of KEIIP is planning to undertake a Water Loss Management project for arresting Unaccounted Flow of Water in Cossipore area in KMC Ward No 1 to 6
- Entire Plan and design has been prepared for 24x7 water supply and cover the 100% area of the ward network.
- A total number of 25,000 connections will be given through this project.
- There will be no adverse impact on structures, livelihood, transportation and other utilities like electricity, water supply etc.
- Importance of Public participation and public awareness in case of short term inconvenience may take place during implementation phase of the project i.e. laying of distribution line, traffic diversion etc.
- Long term Benefits of the project.
- Impact of the project on environment, reducing the chance of water contamination etc.

## Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)

- Tentative date for commencement and commissioning of the project.
- Necessary arrangements will be done by the project authority before commencing the work, like public information, shifting of utilities etc.
- Cooperation is needed from local residents on behalf of the project implementation.

### **PUBLIC CONSULTATION MEETING**

**Table 5 : Public Consultation Meeting (SD 07, Ward No.122)**

**SUMMARY OF COMMUNITY CONSULTATION  
RAMKAMAOL VIDYANIKATAN, SODEPUR ROAD, BEHALA, WARD NO 122  
UNDER PACKAGE SD - 07 OF TRANCHE - I**

Date	Location	No. of Participants				Status of Participants	Topic Discussed	Issues Raised
		Male	Female	% of Female	Total			
08.02.16	RAMKAMAOL VIDYANIKATAN, SO DEPUR ROAD, BEHALA, WARD NO 122	28	42	60%	70	<p><b>MALE :</b> Service, Business, Retired person, Shop owners</p> <p><b>FEMALE :</b> House Wife</p>	<p>1. Details of the upcoming project.</p> <p>2. Necessities of the project.</p> <p>3. Technical details of project work including construction of a new Pumping Station at Vidyasagar Pally.</p> <p>4. Tentative commencement of the project work</p> <p>5. Loan component of ADB. Purpose of the loan is for laying of main trunk sewer.</p>	<p>1. Absence of proper drainage system in many areas under this subproject.</p> <p>2. Lack of public awareness in using underground drainage system.</p> <p>3. Sodepore K.K.Road, Brick Field Road, Ramakrishna Pally etc. are the areas where water logging is a burning issue.</p> <p>4. Timely completion of the project and planned benefit</p>



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							<p>6. Adequate safety measurements will be adopted to ensure daily activities and local transportation system.</p> <p>7. Grievance Redressal procedures.</p> <p>8. Underground S&amp;D House Connection will be provided to individual household.</p> <p>9. Public participation &amp; awareness.</p>	out of it.
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- **Filled up Format of the GAP has been annexed. (Annexure : 1)**

- **SIA of the Project Work**

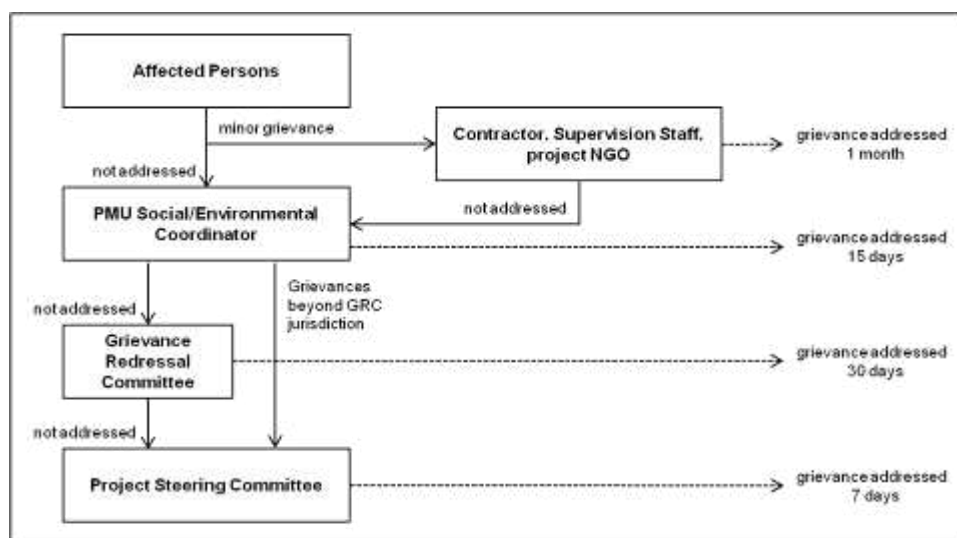
A survey work is going on to have some knowledge as per the opinion & suggestions of the APs about the effect of the implementation of our project work.

**The Reports & pictures have been annexed. (Annexure: 2)**

## COMMON GRM

A common GRM will be in place for social, environmental, or any other grievances related to the project; the RP and IEE will follow the grievance redress mechanism described below, in the following Flow chart which is developed at a multi-stakeholder meeting involving the contractor, PMU, APs, DSC, environmental consultant, and local environment authority. The multi-tier GRM for the project is outlined in the Flowchart below, each tier having time-bound schedules and with responsible persons identified to address grievances and seek appropriate persons' advice at each stage, as required.

**Figure 1: Grievance Redress Process**



### Information dissemination methods of the GRM.

Grievances received and responses provided will be documented and reported back to the APs. The number of grievances recorded and resolved and the outcomes will be disclosed in the offices of the different boroughs of KMC and on the web. The phone number where grievances are to be recorded will be prominently displayed at the construction sites.

1. **Periodic review and documentation of lessons learned.** PMU will periodically review the functioning of the GRM and the effectiveness of the mechanism, especially on the project's ability to prevent and address grievances.
2. **Record keeping.** Records will be kept by the PMU of all grievances received, including contact details of complainant, date of the complaint was received, nature of grievances, agreed corrective actions and documentation of the final outcome.

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The number of grievances which are recorded and resolved ,the outcomes will be disclosed in the offices of the PMU.

3. **Costs.** All costs involved in resolving the complaints (meetings, consultations, communication, and information dissemination) will be borne by PMU.

- **Policy and Legal Framework**

The resettlement plan is designed to deal with the limited impacts during the construction stage. The project policy and framework strategy is based on the applicable legal and policy frameworks at the national and state level, and as per ADB SPS 2009 requirements.

Based on the above, the involuntary resettlement principles applicable for the Project are (i) land acquisition and other involuntary resettlement impacts will be avoided or minimized by exploring all viable alternative project designs; (ii) where unavoidable time bound resettlement plans for temporary impacts will be prepared and affected persons will be assisted as per entitlement matrix and RP; (iii) consultations and information disclosure will be carried out with affected persons, local communities and other stakeholders as required during the project period; (iv) vulnerable groups will be identified and their concerns addressed as per the entitlement matrix; (v) provision of income restoration activities and temporary rehabilitation activities; and (vi) disclose resettlement plan, including documentation of the consultation process in a timely manner, in an accessible place and form in languages understandable to affected persons and other stakeholders, (vii) addressing grievances as per the GRM outlined, (viii) assistances to be provided prior to beginning of construction, and (ix) monitor and assess resettlement outcomes and impact to see whether the objectives of the resettlement plan have

- **Determination of Compensation**

**Income.** Businesses will be compensated for income loss, if any, due to loss of access (full/partial, permanent/temporary). The SSC/SSU (Social Safeguard Cell/Unit) will identify in collaboration with the contractor, the road sections, where the construction activities will hinder access, resulting in income loss for permanent business structures. An income survey of businesses along the project affected area will be carried out. All affected businesses identified in the subproject areas (sections ready for construction) on the cut-off date will be entitled to compensation for their loss of income based on the tax record or, in its absence, comparable rates from registered businesses of the same type with tax records. Shops which are not qualifying under these categories (hawkers, vendors, etc.), there is the option

## **Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

of using the actual income based on survey, followed by a verification of the income data based on comparable incomes in the subproject area.

**The report of Grievance redress collected from Contractor's Registrar has been annexed. (Annexure: 3)**

- **Mitigation Measures:**

The sites or locations for the water supply and as well as S&D subproject components have been carefully selected to avoid and minimize resettlement impacts. Most of the works are proposed on existing WTP locations or within the ROW thereby avoiding land acquisition, demolition of structures and displacement of people. The overall impacts will be further minimized through careful routing of pipelines within the ROW during detailed design stage. Micro tunneling method will be used for laying of pipelines, further reducing the adverse impacts due to construction activities. The following mitigation measures are proposed in the subproject's Environmental Management Plan to avoid and/or reduce the impacts during linear pipe works:

- (i) Maintain access to avoid disturbance to residents and businesses by providing planks and leaving spaces for businesses and residents to maintain access;
- (ii) Provide at least 1-week advanced notice to community along the construction Manage traffic flows as per traffic management plan prepared by the contractor in coordination with local authorities and communities;
- (iii) Limit amount of time of open trenches and complete works quickly where lots of businesses are located;
- (iv) Avoid full street closure to extent possible;
- (v) Contractors to provide employment opportunity to the affected people where possible; and
- (vi) Contractors to assist vendors and hawkers in shifting to alternative location

The engineering designs adopted will ensure that routing of pipelines and mains within the ROW are through stretches where there are no structures, thereby having on impact on access and livelihood opportunity for the local community. However, if in the unlikely event during construction is found which is causing loss of income and livelihood to any businesses ,they would be entitled to livelihood assistance. In order to determine the scale of temporary impacts during the construction phase and to come up with a budget for compensation, a rapid sample survey of businesses was undertaken (as per RP SD-05). to determine the daily income from different types of hawkers and businesses in the different

## **Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

project component locations.

- **HOUSE DRAINAGE CONNECTION:**

Underground House Drainage connection of Upen Banerjee Road, Ward No. 131,{SD05, Additional Work):56 houses have been visited by the SSC team. 31 demand notices had been issued till date. Out of 31 houses 09 houses are women headed house- hold.0

Report has been annexed. (**Annexure: 4**)

- **Social Safeguard Compliances in the different Packages of our Project (tranche 1)**

All the pictures of Social Safeguard Compliance have been annexed. (Annexure: 5)

**Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

**Summary of KEIIP – Tranche 1**

**Physical Progress Report of Tranche - 1**

Summary (Component wise)							
Sl. No.	Work Components of KEIIP	No. of Packages in Planning & Design Stage	No. of Packages in Bidding Stage	No. of Contracts in Implementation Stage	No. of Contracts in Post -Construction Stage	No. of Contracts Completed	Total No. of Contract Packages
<b>A. Main Packages:</b>							
1	Water Supply	0	1	2	0	0	3
2	Sewerage and Drainage	0	0	2	0	0	2
3	Combined (Water Supply and Sewerage & Drainage)	0	0	1	0	0	1
<b>B. Additional Packages:</b>							
1	Sewerage and Drainage	0	0	1	0	0	1
<b>c. Miscellaneous Packages (Additional):</b>							
1	Renovation of KEIIP Building	0	0	1	0	0	1
2	Supply and Installation of Hardware and Software for PAC – Lot – 1 and GIS Software – Lot 2	0	1	0	0	0	1
<b>Total</b>		<b>0</b>	<b>2</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>9</b>

**Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

**1.1 Water Supply**

1.1.1 Planning & Design Stage                      None

1.1.2. Bidding Stage

Water Supply				Bidding Stage									
Sl. No.	Package No.	Package Name		Outline Design		Preliminary Design		Detailed Design		Bidding Documents & Tender Drawing			
				Submitted	Approved by TFC	Submitted	Approved by TFC	Submitted	Approved by TFC	Submitted	Approved by TFC	Approved by ADB	
1	WS-01	Performance Based Water Loss Management Works at Cossipore Service Zone, Ward No. 1 to 6	Target										
			Actual		Bidding Stage								
			Days Delay										
2	WS-02	Rehabilitation & Refurbishment of Water Works at Palta and Garden Reach	Target	-	-	-	-	-	-	-	-	-	
			Actual	-	-	-	-	-	-	-	-	-	
			Days Delay	-	-	-	-	-	-	-	-	-	
3	WS-03	Installation of Pump and Motors at Tallah Palta System and Garden Reach System.	Target	-	-	-	-	-	-	-	-	-	
			Actual	-	-	-	-	-	-	-	-	-	
			Days Delay	-	-	-	-	-	-	-	-	-	

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### 1.1.3. Implementation Stage

#### 1.1.3.1. Project Key Information

Water Supply			Project Key Information Summary (Contract-wise)										PMIS Format No.:.....		
Sl. No.	Package No.	Package Name	Contractor	Contract cost (Rs in M.)	Variation (Rs.)	Revised/ Completion Cost (Rs.)	Date of commencement	Schedule date of completion	Scheduled Duration (Month)	Time Extension Allowed (Month)	Revised completion date	Revised Duration (Month)	Completion		
													Final Inspection Date	Handing Over Date	
1	WS-02	Rehabilitation & Refurbishment of Water Works at Palta and Garden Reach	ITD – CEM INDIA JV	766.22 ( Work ) 39.46 ( O & M )	-	-	07. 11. 2014	06. 11. 2018	48 ( Work ) 24 ( O & M )	-	-	-	-	-	-
2	WS-03	Installation of Pump and Motors at Tallah Palta System and Garden Reach System.	KIRLOSKAR BROTHERS LIMITED	321.00	-	-	19. 05. 2014	18. 05. 2016	24	-	-	-	-	-	-

#### 1.1.3. 2. Physical Progress

Water Supply			Physical Progress Percentage (Cumulative) upto the month end													PMIS Format No.:.....	
Sl. No.	Package No.	Package Name		Upto Dec'15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	June-16	July-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	
					1	WS-02	Rehabilitation & Refurbishment of Water Works at Palta and Garden Reach	Target	10.54	12.72	14.58	16.34	20.20	24.04	26.63	28.67	30.71
Actual	6.50	8.00	10.00	13.50				16.00	20.00	22.00							
2	WS-03	Supply & Installation of Pump and Motors at Tallah Palta System and Garden Reach System	Target	88.93	93.13	94.84	96.55	98.26	100.00	100.00							
			Actual	65.80	66.31	68.70	70.13	70.20	70.50	71.50							



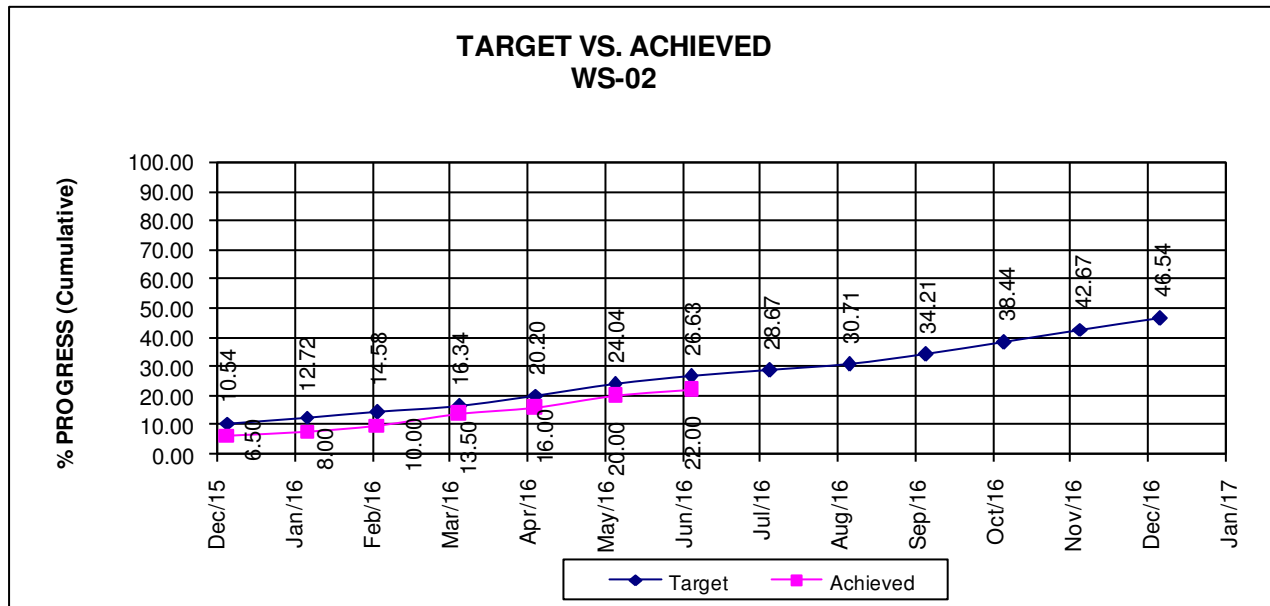
**Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

**1.1.3.2.A. Rate of Progress Graphs**

**1.1.3.2.A(i) Graph –WS02**

Water Supply		Implementation Stage					PMIS Format No.			
Package No.	Package Name	Contract Cost (In Rs. M)	Duration	Commencement Date	Schedule completion date	Reporting Month	Physical Progress		Plate	
							Required	Actual		
WS-02	Rehabilitation & Refurbishment of Water Works at Palta and Garden Reach	766.22  (Excl. O&M cost)	48 months	07.11.2014	06.11. 2018	June 2016	26.63	22.00	--	

**PHYSICAL PROGRESS GRAPH (Cumulative %)**



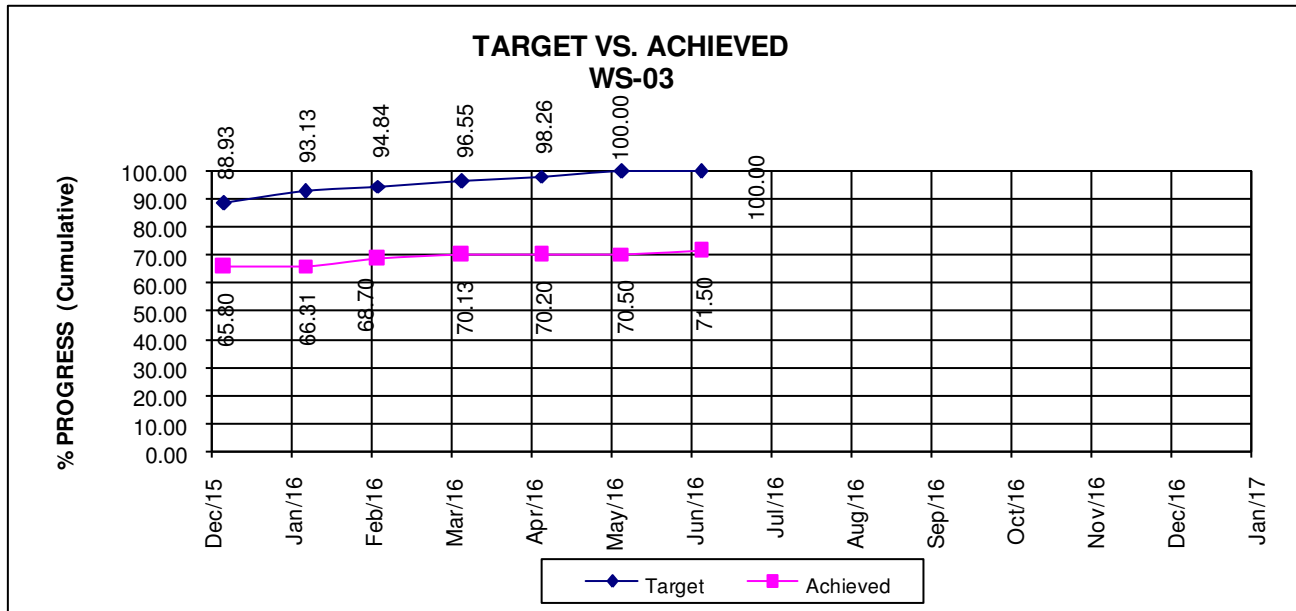
**Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

**1.1.3. 2.B. Rate of Progress Graphs**

**1.1.3.2.B (i) Graph – WS 03**

Water Supply		Implementation Stage					Format No.		
Package No.	Package Name	Contract Cost (In Rs. M)	Duration	Commencement Date	Schedule completion date	Reporting Month	Physical Progress		Plate
							Required	Actual	
WS-03	Installation of Pump and Motors at Tallah- Palta System and Garden Reach System.	321.0	24 months	19. 05. 2014	18. 05. 2016	June 2016	100.00	71.50	-

**PHYSICAL PROGRESS GRAPH (Cumulative %)**



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**1.1.4 Post Construction Stage - None**

Water Supply			Post- Construction Stage					PMIS Format No.:.....			
SI No.	Package No.	Package Name		Completion of Work	Issue of Taking-over Certificate	Statement at Completion	Completion of Remedying Defects, if any	Issue of Defects Liability Certificate	Return of Performance Security	Final Statement	Issue of Final Payment Certificate
1	WS-02	Rehabilitation & Refurbishment of Water Works at Palta and Garden Reach	Target	-	-	-	-	-	-	-	-
			Actual	-	-	-	-	-	-	-	-
			Weeks Delay	-	-	-	-	-	-	-	-
2	WS-03	Installation of Pump and Motors at Tallah- Palta System and Garden Reach System.	Target	-	-	-	-	-	-	-	-
			Actual	-	-	-	-	-	-	-	-
			Weeks Delay	-	-	-	-	-	-	-	-

**1.1.5 Completed Contracts - None**

Water Supply		Completed Packages	PMIS Format No.:.....
SI. No.	Package No.	Package Name	Issue of Final Payment Certificate
1	WS-02	Rehabilitation & Refurbishment of Water Works at Palta and Garden Reach	-
2	WS-03	Installation of Pump and Motors at Tallah- Palta System and Garden Reach System.	-

## Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)

### 1.1.6. Summary and Status of Packages

Water Supply		Summary and Status of Packages										PMIS Format No.:.....	
Sl. No.	Package No.	Package Name	Status	Planning and Design Stage		Bidding Stage		Implementation Stage				Completion Cost (Rs.)	
				Start Date	End Date	Bid Submission Date	Issue of LOA	Date of Commencement	Scheduled Completion Date	Issue of Final Payment Certificate	Contractor		
1	WS-01	Performance Based Water Loss Management Works in Cossipore Service Zone Ward 1 to 6	Bidding	-	-	-	-	-	-	-	-	-	-
2	WS-02	Rehabilitation & Refurbishment of Water Works at Palta and Garden Reach	Implementation	-	-	24.02.2014	14. 10. 2014	07. 11. 2014	06.11.2018	-	ITD – CEM INDIA JV	-	-
3	WS-03	Supply & Installation of Pumps & Motors at Tallah-Palta System and Garden Reach System	Implementation	-	-	01.08.2013	16. 01. 2014	19. 05. 2014	18.05.2016	-	KIRLOSKAR BROTHERS LIMITED	-	-

**Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

**1.2 Sewerage & Drainage**

1.2.1 Planning & Design Stage None

1.2.2 Bidding Stage None

1.2.3 Implementation Stage

1.2.3.1 Project Key Information

Sewerage and Drainage			Project Key Information Summary (Contract-wise)										PMIS Format No.:.....	
Sl. No.	Package No.	Package Name	Contractor	Contract cost (Rs. in M)	Variation (Rs.)	Revised/ Completion Cost (Rs.)	Date of commencement	Schedule date of completion	Scheduled Duration (Month)	Time Extension Allowed (Month)	Revised completion date	Revised Duration (Month)	Completion	
													Final Inspection Date	Handing Over Date
1	SD-05	Construction of Pumping Station at Begore Khal and Joka Tram Depot + Construction of Sewerage and Drainage Network within Diamond Harbour Road Catchment	Tantia – MPPL (WILO) JV	1047.35	-	-	27. 10. 2014	29. 04. 2018	42	-	-	-	-	-
2	SD-06	Micro tunneling works on Sewage pressure main from Santoshpur P.S. to Garden Reach STP	Simplex – Krita JV	223.11	33.44	256.55	19. 05. 2014	18. 11.2015	18	6	21.05.2016	24	-	-

**Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

**1.2.3.2 Physical Progress**

Sewerage & Drainage			Physical Progress Percentage (Cumulative) up to the month end													PMIS Format No.:.....
Sl. No.	Package No.	Package Name		Up to Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	June-16	July-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
1	SD-05	Construction of Pumping Station at Begore Khal and Joka Tram Depot + Construction of Sewerage and Drainage Network within Diamond Harbour Road Catchment	Target	39.02	42.47	45.52	48.65	53.20	57.47	60.58	63.72	66.91	70.18	73.34	76.33	79.43
			Actual	18.65	20.60	22.10	24.15	24.50	25.20	27.10						
2	SD-06	Micro tunneling works on Sewage pressure main from Santoshpur P.S. to Garden Reach STP	Target	100.00	100.0	100.00	100.00	100.00	100.00							
			Actual	82.00	88.50	93.00	95.40	96.50	100.00							

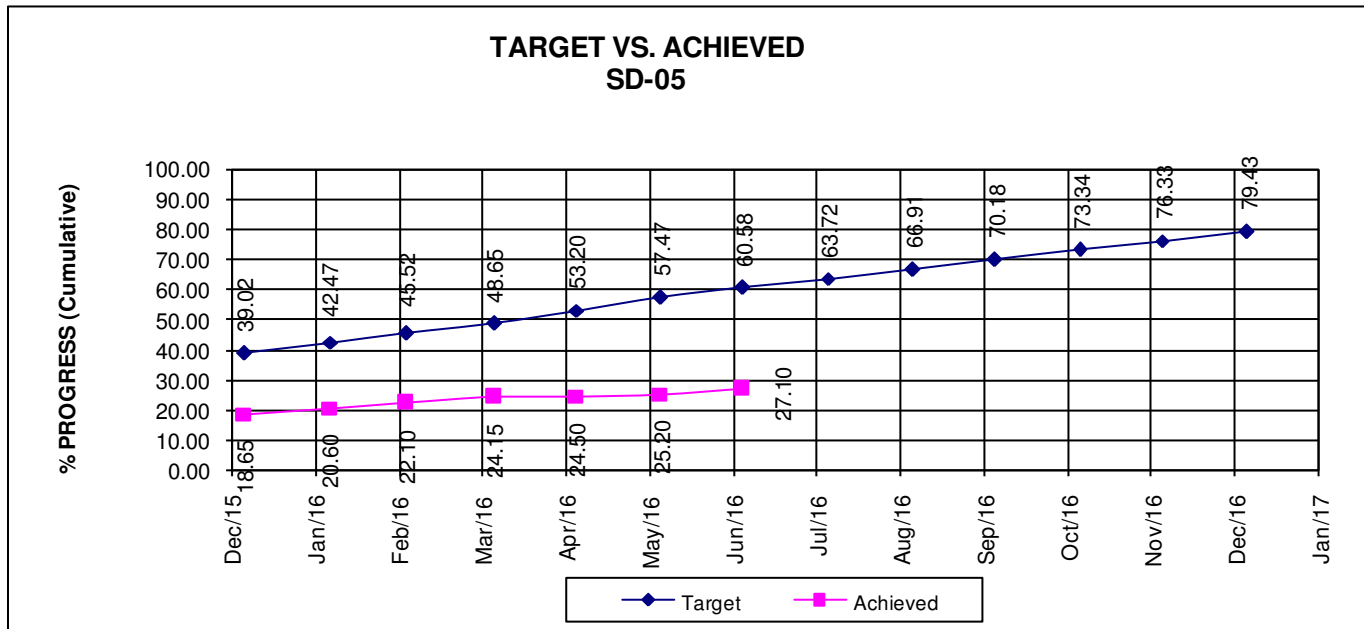
**Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

**1.2.3.2.A. Rate of Progress Graphs**

**1.2.3.2.A (i) Graph – SD 05**

Sewerage & Drainage		Implementation Stage					PMIS Format No.....		
Package No.	Package Name	Contract Cost (In Rs. M)	Duration	Commencement Date	Schedule completion date	Reporting Month	Physical Progress		Plate
							Required	Actual	
SD-05	Construction of Pumping Station at Begore Khal and Joka Tram Depot + Construction of Sewerage and Drainage Network within Diamond Harbour Road Catchment	1047.34	42 months	27.10.2014	29.04.2018	June 2016	60.58	27.10	-

**PHYSICAL PROGRESS GRAPH (Cumulative %)**



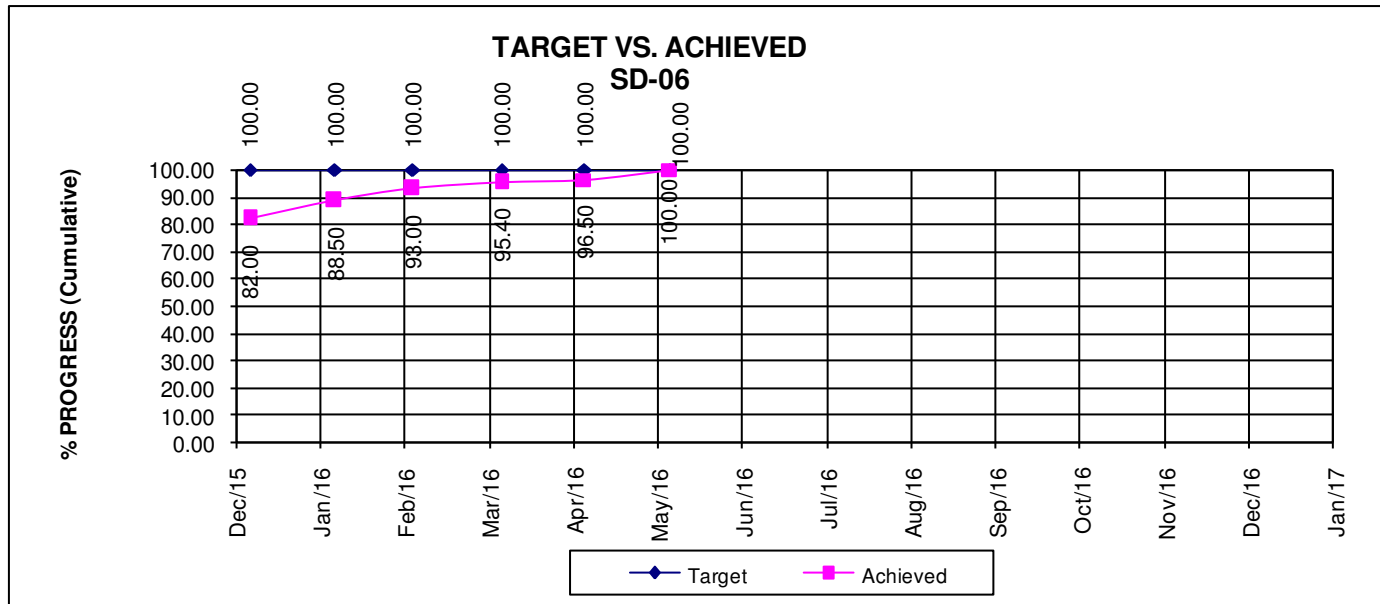
**Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

**1.2.3.2.B Rate of Progress Graphs**

**1.2.3.2. B (ii) Graph – SD 06**

Sewerage & Drainage		Implementation Stage					PMIS Format No.		
Package No.	Package Name	Contract Cost (In Rs. M)	Duration	Commencement Date	Schedule completion date	Reporting Month	Physical Progress		Plate
							Required	Actual	
SD-06	Micro-tunneling works on Sewage pressure main from Santoshpur P.S. to Garden Reach STP	256.55	24 months	19.05.2014	21.05.2016	June 2016	100.0	100.0	-

**PHYSICAL PROGRESS GRAPH (Cumulative %)**





**Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

**1.2.4 Post Construction Stage - None**

Sewerage and Drainage				Post- Construction Stage				PMIS Format No.:.....			
SI No.	Package No.	Package Name		Completion of Work	Issue of Taking-Over Certificate	Statement at Completion	Completion of Remedying Defects, if any	Issue of Defects Liability Certificate	Return of Performance Security	Final Statement	Issue of Final Payment Certificate
1	SD-05	Construction of Pumping Station at Begore Khal and Joka Tram Depot + Construction of Sewerage and Drainage Network within Diamond Harbour Road Catchment	Target	-	-	-	-	-	-	-	-
			Actual	-	-	-	-	-	-	-	-
			Weeks Delay	-	--	-	-	-	-	-	-
2	SD-06	Micro tunneling works on Sewage pressure main from Santoshpur P.S. to Garden Reach STP	Target	-	-	-	-	-	-	-	-
			Actual	-	-	-	-	-	-	-	-
			Weeks Delay	-	-	-	-	-	-	-	-

**1.2.5 Completed Contracts - None**

Sewerage and Drainage		Completed Packages	PMIS Format No.:.....
SI. No.	Package No.	Package Name	Issue of Final Payment Certificate
1	SD-05	Construction of Pumping Station at Begore Khal and Joka Tram Depot + Construction of Sewerage and Drainage Network within Diamond Harbour Road Catchment	-
2	SD-06	Micro tunneling works on Sewage pressure main from Santoshpur P.S. to Garden Reach STP	-

## Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)

### 1.2.6 Summary and Status of Packages

Sewerage and Drainage													Summary and Status of Packages				PMIS Format No.:.....	
Sl. No.	Package No.	Package Name	Status	Planning and Design Stage		Bidding Stage		Implementation Stage				Completion Cost (Rs.)						
				Start Date	End Date	Bid Submission Date	Issue of LOA	Date of Commencement	Actual Completion Date	Issue of Final Payment Certificate	Contractor							
1	SD-05	Construction of Pumping Station at Begore Khal and Joka Tram Depot + Construction of Sewerage and Drainage Network within Diamond Harbour Road Catchment	Implementation	-	-	17.02.2014	01.09.2014	27.10.2014	28.04.2018	-	Tantia – MPPL (WILO) JV	-						
2	SD-06	Micro tunneling works on Sewage pressure main from Santoshpur P.S. to Garden Reach STP	Implementation	-	-	02.07.2013	16.01.2014	19.05.2014	21.05.2016	-	Simplex Krita JV	-						

**Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

**1.3 Combined (Water Supply and Sewerage & Drainage)**

1.3.1. Planning & Design Stage      None

1.3.2. Bidding Stage                      None

1.3.3. Implementation Stage

1.3.3.1. Project Key Information

Combined (Water Supply and Sewerage & Drainage)				Project Key Information Summary (Contract-wise)									PMIS Format No.:.....	
Sl. No.	Package No.	Package Name	Contractor	Contract cost (Rs.in M)	Variation (Rs.)	Revised/ Completion Cost (Rs.)	Date of commencement	Schedule date of completion	Scheduled Duration (Month)	Time Extension Allowed (Month)	Revised completion date	Revised Duration (Month)	Completion	
													Final Inspection Date	Handing Over Date
1	WS & SD 04	Laying of water trunk main from Garden Reach water works to Taratala Valve Station laying of sewer line along Diamond Harbour Road by Micro-tunnelling method in ward no 125, 126	ITD-ITD CEM JV	1459.24	-	-	19. 05. 2014	18. 05. 2017	36	-	-	-	-	-

**1.3.3.2 Physical Progress**

Combined (Water Supply and Sewerage & Drainage)			Physical Progress Percentage (Cumulative) upto the month end													PMIS Format No.:.....
Sl. No.	Package No.	Package Name	Target	Up to Dec-15	Jan-16	Feb-16	Mar-16	Apr-17	May-16	June-16	July-16	Aug-16	Sept-16	Oct-16	Nov-16	Dec-16
1	WS & D04	Laying of water trunk main from Garden Reach water works to Taratala Valve Station laying of sewer line	Target	45.50	47.50	49.25	51.00	53.00	54.75	58.13	61.25	64.38	67.63	72.75	78.25	83.75

**Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

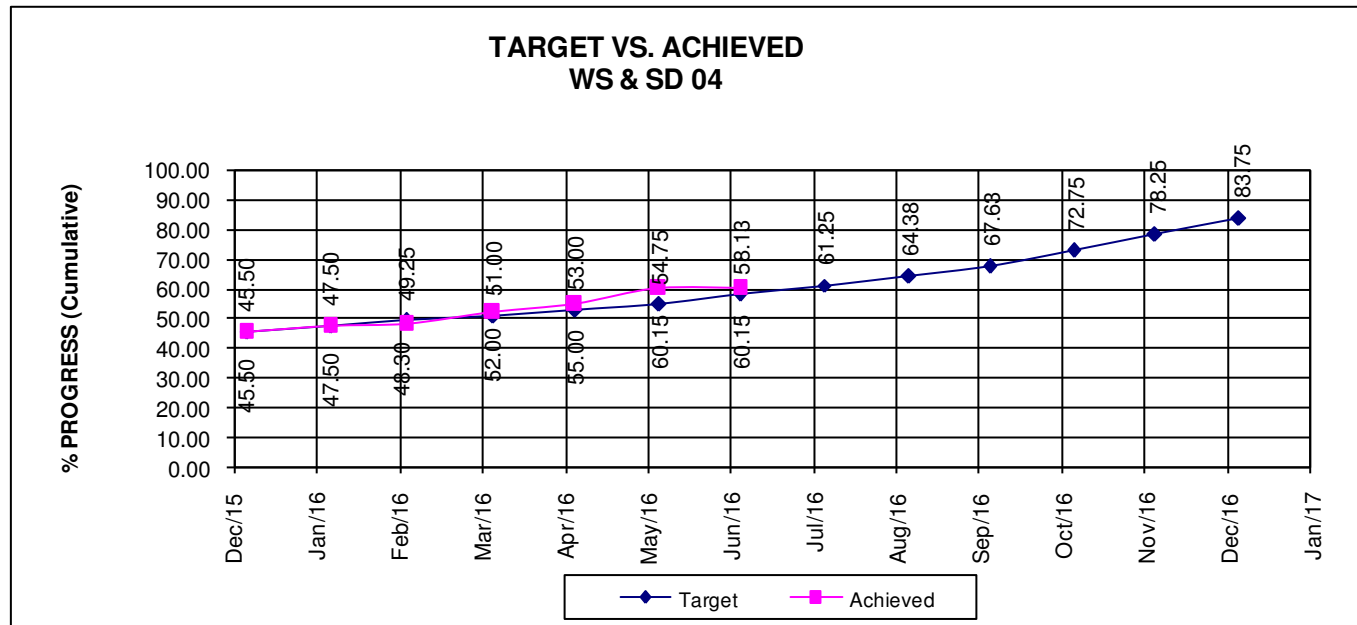
	along Diamond Harbour Road by Micro-tunnelling method in ward no 125, 126	Actual	45.50	47.50	48.30	52.00	55.00	60.15	60.15								
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**1.3.3.2.A Rate of Progress Graphs**

**1.3.3.2.A (i) Graph – WS & SD 04**

Combined (Water Supply and Sewerage & Drainage)		Implementation Stage					PMIS Format No.:.....		
Package No.	Package Name	Contract Cost (In Rs. M)	Duration	Commencement Date	Schedule completion date	Reporting Month	Physical Progress		Plate
							Required	Actual	
WS & SD 04	Micro tunneling works on Laying of water trunk main from Garden Reach water works to Taratala Valve Station laying of sewer line along Diamond Harbour Road By Micro tunneling method in ward no 125, 126	1459.24	36	19.05.2014	18.05.2017	June 2016	58.13	60.15	

**PHYSICAL PROGRESS GRAPH (Cumulative %)**



**Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

**1.3.4 Post Construction Stage - None**

Combined (Water Supply and Sewerage & Drainage)								Post- Construction Stage			
SI No.	Package No.	Package Name		Completion of Work	Issue of Taking-Over Certificate	Statement at Completion	Completion of Remedying Defects, if any	Issue of Defects Liability Certificate	Return of Performance Security	Final Statement	Issue of Final Payment Certificate
1	WS & SD 04	Micro tunneling works on Laying of water trunk main from Garden Reach water works to Taratala Valve Station laying of sewer line along Diamond Harbour Road By Micro tunneling method in ward no 125, 126	Target	-	-	-	-	-	-	-	-
			Actual	-	-	-	-	-	-	-	-
			Weeks Delay	-	-	-	-	-	-	-	-

**1.3.5 Completed Contracts - None**

Combined (Water Supply and Sewerage & Drainage)		Completed Packages	PMIS Format No.:.....
SI. No.	Package No.	Package Name	Issue of Final Payment Certificate
1	WS & SD 04	Micro tunneling works on Laying of water trunk main from Garden Reach water works to Taratala Valve Station laying of sewer line along Diamond Harbour Road By Micro tunneling method in ward no 125,126	-

**Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

**1.3.6 Summary and Status of Packages**

Combined (Water Supply and Sewerage & Drainage)													Summary and Status of Packages				PMIS Format No.:.....			
Sl. No.	Package No.	Package Name	Status	Planning and Design Stage		Bidding Stage		Implementation Stage				Completion Cost (Rs.)								
				Start Date	End Date	Bid Submission Date	Issue of LOA	Date of Commencement	Actual Completion Date	Issue of Final Payment Certificate	Contractor									
1	WS & SD 04	Micro tunneling works on Laying of water trunk main from Garden Reach water works to Taratala Valve Station laying of sewer line along Diamond Harbour Road By Micro tunneling method in ward no 125,126	Implementation	-	-	20.11.2013	04.03.2014	19.05.2014	18.05.2017	-	ITD – ITD CEM JV	-								

## Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)

### 1.4 Miscellaneous Packages (Additional)

#### 1.4.1. Planning & Design Stage

Sl. No.	Package No.	Package Name		Outline Design		Preliminary Design		Detailed Design		Bidding Documents & Tender Drawing		
				Submitted	Approved by TFC	Submitted	Approved by TFC	Submitted	Approved by TFC	Submitted	Approved by TFC	Approved by ADB
1	SD-07	Construction of S&D Network and 1 no Pumping Station in SSE Catchments under Borough- XIII (Ward 122 & 123) and Replacement of GAP Line in Borough-XV and laying of New Pumping main from Trenching Ground PS to Santoshpur PS.	Target	-	-	-	-	-	-	-	-	-
			Actual	25.09.2014.	-	24.12.2014	-	27.01.2015	-	30.01.2015	-	28.07.2015
			Days Delay	-	-	-	-	-	-	-	-	-
2	BR-08A	Interior Renovation of KEIP Office at Business towers, 206 A J C Bose Road, Kolkata-700017 including Electrical Works and Air-Conditioning Works	Target	-	-	-	-	-	-	-	-	-
			Actual	-	-	-	-	-	-	-	-	-
			Days Delay	-	-	-	-	-	-	-	-	-
3	PK-08B	Supply & Installation of Hardware and Software for Project Accounting System of Kolkata Environmental Improvement Investment Program (KEIIP) – Lot 1 And Supply and Installation of Geographical Information System (GIS) Software – Lot 2	Target	-	Bidding	Stage	-	-	-	-	-	-
			Actual	-	-	-	-	-	-	-	-	-
			Day's Delay	-	-	-	-	-	-	-	-	-

## Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)

### 1.4.2. Bidding Stage

Miscellaneous Packages (Additional)			Bidding Stage										PMIS Format No.:.....				
Sl. No.	Package No.	Package Name		Invitation to Bid	Pre-bid meeting	Submission of Bid	Technical Evaluation		Financial Evaluation		Issue of LOA	Contract Signing	NTP				
							Recommendation by TFC	Approved by ADB	Recommendation by TFC	Approved by ADB							
1	SD-07	Construction of S&D Network and 1 no Pumping Station in SSE Catchments under Borough- XIII (Ward 122 & 123) and Replacement of GAP Line in Borough- XV and laying of New Pumping main from Trenching Ground PS to Santoshpur PS.	Target	-	-	-	-	-	-	-	-	-	-				
			Actual	31.07.2015	14.08.15	01.10.2015.	-	-	-	-	12.12.15	04.01.2016	05.01.2016				
			Days Delay	-	-	-	-	-	-	-	-	-	-	-			
2	BR- 08A	Interior Renovation of KEIIP Office at Business towers, 206 A J C Bose Road, Kolkata-700017 including Electrical Works and Air-Conditioning Works	Target	-	-	-	-	-	-	-	-	-	-				
			Actual	13.07.2015	24.07.15	27.08.2015	-	-	-	-	09.11.15	02.12.2015	04.02.2016				
			Days Delay	-	-	-	-	-	-	-	-	-	-	-			
3	PK-08B	Supply & Installation of Hardware and Software for Project Accounting System of Kolkata Environmental Improvement Investment Program (KEIIP) – Lot 1 And Supply and Installation of Geographical Information System (GIS) Software – Lot 2	Target	-	-	-	-	-	-	-	-	-	-				
			Actual	19.04.2016	-	-	-	-	-	-	-	-	-	-			
			Day's Delay	-	-	-	-	-	-	-	-	-	-	-			



## Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)

### 1.4.3. Implementation Stage

#### 1.4.3.1 Project Key Information

Miscellaneous Packages (Additional)			Project Key Information Summary (Contract-wise)										PMIS Format No.:.....	
Sl. No.	Package No.	Package Name	Contractor	Contract Cost (Rs. In M)	Variation (Rs.)	Revised /Completion Cost (Rs.)	Date of commencement	Schedule date of completion	Scheduled Duration (Month)	Time Extension allowed (Month)	Revised completion date	Revised Duration (Month)	Completion	
													Final Inspection Date	Handing Over Date
1	SD-07	Construction of S&D Network and 1 no Pumping Station in SSE Catchments under Borough- XIII (Ward 122 & 123) and Replacement of GAP Line in Borough-XV and laying of New Pumping main from Trenching Ground PS to Santoshpur PS.	SNET – SSG JV	970.71	-	-	05.01.2016	04.07.2018						
2	BR-08A	Interior Renovation of KEIP Office at Business towers, 206 A J C Bose Road, Kolkata-700017 including Electrical Works and Air-Conditioning Works	S Mishra Infradev Pvt. Ltd.	26.75	-	-	04.02.2016	03.02.2017	-	-	-	-	-	-
3	PK-08B	Supply & Installation of Hardware and Software for Project Accounting System of Kolkata Environmental Improvement Investment Program (KEIIP) – Lot 1 And Supply and Installation of Geographical Information System (GIS) Software – Lot 2	-	-	-	-	-	-	-	-	-	-	-	-

## Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)

### 1.4.3.2 Physical Progress

Miscellaneous Packages (Additional)			Physical Progress Percentage (Cumulative)													PMIS Format No.:.....	
Sl. No.	Package No.	Package Name		Aug'14- Dec'15	Jan'16	Feb'16	Mar'16	Apr'16	May'16	June'16	Jul'16	Aug,'16	Sep'16`	Oct'16	Nov'16	Dec' 16	
1	SD-07	Construction of S&D Network and 1 no Pumping Station in SSE Catchments under Borough- XIII (Ward 122 & 123) and Replacement of GAP Line in Borough-XV and laying of New Pumping main from Trenching Ground PS to Santoshpur PS	Target	0	0.00	0.02	0.17	1.71	3.95	6.25	8.00	9.33	10.86	13.34	17.39	22.19	
			Actual	0	0.00	0.00	0.00	0.35	0.53	1.40							
2	BR-08A	Interior Renovation of KEIIP Office at Business towers, 206 A J C Bose Road, Kolkata-700017 including Electrical Works and Air-Conditioning Works	Target	0	-	0.35	4.35	14.45	27.91	38.38	49.73	62.90	74.72	82.00	91.96	95.66	
			Actual	0	-	0.00	3.30	7.50	19.00	25.00	-	-	-	-	-	-	-
3	PK-08B	Supply & Installation of Hardware and Software for Project Accounting System of Kolkata Environmental Improvement Investment Program (KEIIP) – Lot 1 And Supply and Installation of Geographical Information System (GIS) Software – Lot 2	Target	0	-	-	-	-	-	-	-	-	-	-	-	-	
			Actual	0	-	-	-	-	-	-	-	-	-	-	-	-	-

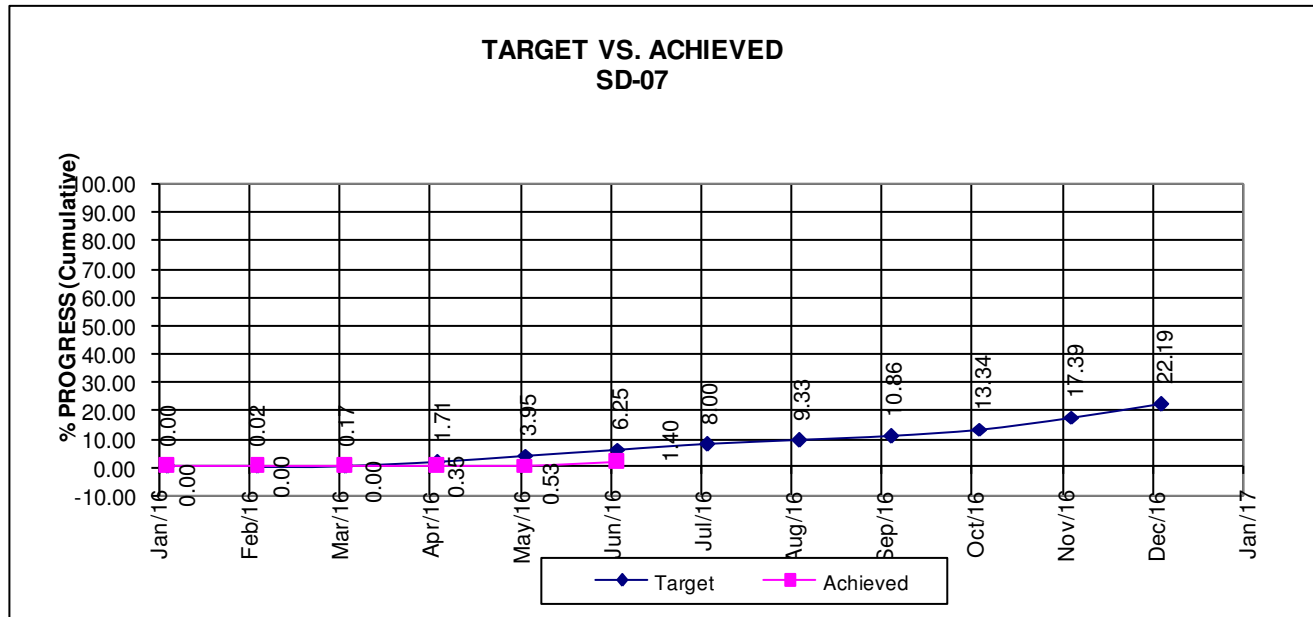
**Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

**1.4.3.2.A Rate of Progress Graphs**

**1.4.3.2.A (i) Graph**

Miscellaneous Packages (Additional)		Implementation Stage					PMIS Format No.....		
Package No.	Package Name	Contract Cost (In Rs. M)	Duration	Commencement Date	Schedule completion date	Reporting Month	Physical Progress		Plate
							Required	Actual	
SD-07	Construction of S&D Network and 1 no Pumping Station in SSE Catchments under Borough- XIII (Ward 122 & 123) and Replacement of GAP Line in Borough-XV and laying of New Pumping main from Trenching Ground PS to Santoshpur PS	970.71	30 months	05.01.2016	04.06.2018	June.2016	6.25	1.40	-

**PHYSICAL PROGRESS GRAPH (Cumulative %)**



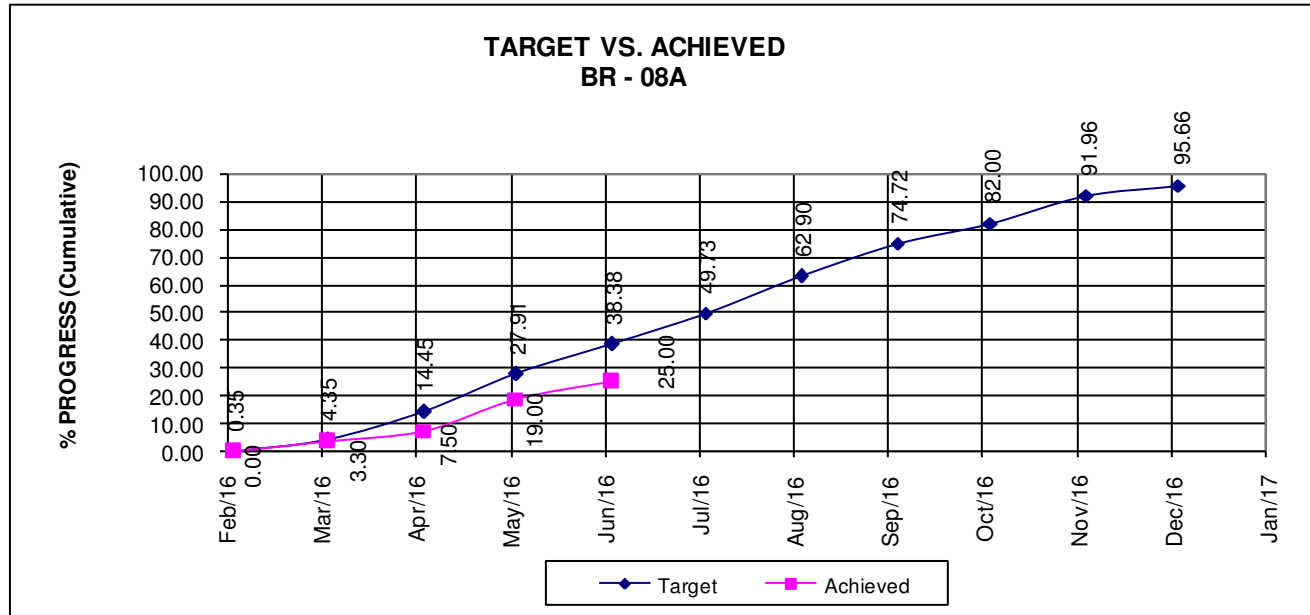
**Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

**1.4.3.2.B Rate of Progress Graphs**

**1.4.3.2.B (ii) Graph**

Miscellaneous Packages (Additional)		Implementation Stage					PMIS Format No.....		
Package No.	Package Name	Contract Cost (In Rs. M)	Duration	Commencement Date	Schedule completion date	Reporting Month	Physical Progress		Plate
							Required	Actual	
BR-08A	Interior Renovation of KEIIP Office at Business towers, 206 A J C Bose Road, Kolkata-700 017 including Electrical Works and Air-Conditioning Works	26.75	12 months	04.02.2016	03.02.2017	June.2016	38.38	25.00	-

**PHYSICAL PROGRESS GRAPH (Cumulative %)**



**Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)**

**1.4.4 Post Construction stage - None**

Miscellaneous Packages (Additional)			Post- Construction Stage								
SI No.	Package No.	Package Name		Completion of Work	Issue of Taking-over Certificate	Statement at Completion	Completion of Remedying Defects, if any	Issue of Defects Liability Certificate	Return of Performance Security	Final Statement	Issue of Final Payment Certificate
1	SD-07	Construction of S&D Network and 1 no Pumping Station in SSE Catchments under Borough- XIII (Ward 122 & 123) and Replacement of GAP Line in Borough-XV and laying of New Pumping main from Trenching Ground PS to Santoshpur PS	Target								
			Actual								
			Weeks Delay								
2	BR-08A	Interior Renovation of KEIIP Office at Business towers, 206 A J C Bose Road, Kolkata-700 017 including Electrical Works and Air-Conditioning Workws	Target								
			Actual								
			Weeks Delay								
3	PK-08B	Supply & Installation of Hardware and Software for Project Accounting System of Kolkata Environmental Improvement Investment Program (KEIIP) – Lot 1 And Supply and Installation of Geographical Information System (GIS) Software – Lot 2	Target								
			Actual								
			Weeks Delay								

## Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)

### 1.4.5 Completed Contracts - None

Miscellaneous Packages (Additional)		Completed Packages	PMIS Format No.:.....
Sl. No.	Package No.	Package Name	Issue of Final Payment Certificate
1	SD-07	Construction of S&D Network and 1 no Pumping Station in SSE Catchments under Borough- XIII (Ward 122 & 123) and Replacement of GAP Line in Borough-XV and laying of New Pumping main from Trenching Ground PS to Santoshpur PS	-
2	BR-08A	Interior Renovation of KEIIP Office at Business towers, 206 A J C Bose Road, Kolkata-700 017 including Electrical Works and Air-Conditioning	-
3	PK-08B	Supply & Installation of Hardware and Software for Project Accounting System of Kolkata Environmental Improvement Investment Program (KEIIP) – Lot 1 And Supply and Installation of Geographical Information System (GIS) Software – Lot 2	

## Semiannual Social Safeguard Monitoring Report (Jan – Jun 2016)

### 1.4.6 Summary and Status of Packages

Miscellaneous Packages (Additional)		Summary and Status of Packages							PMIS Format No.:.....			
Sl. No.	Package No.	Package Name	Status	Planning and Design Stage		Bidding Stage		Implementation Stage				
				Start Date	End Date	Bid Submission Date	Issue of LOA	Date of Commencement	Actual Completion Date	Issue of Final Payment Certificate	Contractor	Completion Cost( Rs,)
1	SD-07	Construction of S&D Network and 1 no Pumping Station in SSE Catchments under Borough- XIII (Ward 122 & 123) and Replacement of GAP Line in Borough-XV and laying of New Pumping main from Trenching Ground PS to Santoshpur PS.	Impl.	25.09.2014	-	01.10.2015	12.12.2015	05.01.2016	04.07.2018	-	-	-
2	BR-08A	Interior Renovation of KEIIP Office at Business towers, 206 A J C Bose Road, Kolkata-700 017 including Electrical Works and Air-Conditioning Works	Impl.	-	-	27.08.2015	09.11.15	04.02.2016	03.02.2017	-	-	-
3	PK-08B	Supply & Installation of Hardware and Software for Project Accounting System of Kolkata Environmental Improvement Investment Program (KEIIP) – Lot 1 And Supply and Installation of Geographical Information System (GIS) Software – Lot 2		-	-	-	-	-	-	-	-	-

**KOLKATA ENVIRONMENTAL IMPROVEMENT  
INVESTMENT PROGRAM (KEIP) – PROJECT 1**

**SEMI ANNUAL SOCIAL SAFEGUARD MONITORING REPORT  
TRANCHE 1  
ADB Loan 3053-IND  
(Period January to June 2016)**

**ANNEXURES**



# **ANNEXURE 1**

**GAP\_Monitoring\_Matrix\_KEIIP  
APRIL - JUNE 2016**

KOLKATA ENVIRONMENTAL IMPROVEMENT INVESTMENT PROGRAM (L3053)<sup>2</sup>  
GENDER ACTION PLAN (GAP) PROGRESS UPDATE FORMAT

Indicators, Baseline, Targets, Time Frame and Responsibility	Progress to Date			Issues and Challenges (Please include reasons why an activity was not fully implemented, or if targets fall short, or reasons for delay, etc.)																
	Progress for the Reporting Period ( APRIL/2016 to JUNE/2016 ) (This should include information on progress for the current quarter-- qualitative and quantitative updates (sex-disaggregated data))	Cumulative Progress ( JUNE/2014 to JUNE/2016 ) (This should include information on progress (qualitative and quantitative updates including sex-disaggregated data) from the start of the project to the previous quarter's progress report.)																		
<b>OUTPUT 1: INEFFICIENT WATER SUPPLY ASSETS REHABILITATED</b>																				
<b>Activity 1.1.</b> Awareness-raising activities on the importance of the WLM works conducted, linking it to health, gender, social empowerment, and environmental conservation issues in the pilot zone immediately after award of the WLM contract.																				
<b>Indicator:</b> Number of project orientation seminars conducted for urban dwellers  <b>Target:</b> 4 project orientation seminars with 50*4 (200) urban dwellers (30% female participants)	<table border="1"> <thead> <tr> <th rowspan="2">No. of project orientation seminars</th> <th colspan="2">Number of participants</th> </tr> <tr> <th>M</th> <th>F</th> </tr> </thead> <tbody> <tr> <td>NIL</td> <td>NIL</td> <td>NIL</td> </tr> </tbody> </table>	No. of project orientation seminars	Number of participants		M	F	NIL	NIL	NIL	<table border="1"> <thead> <tr> <th rowspan="2">No. of project orientation seminars</th> <th colspan="2">Number of participants</th> </tr> <tr> <th>M</th> <th>F</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>28</td> <td>42</td> </tr> </tbody> </table>		No. of project orientation seminars	Number of participants		M	F	1	28	42	
No. of project orientation seminars	Number of participants																			
	M	F																		
NIL	NIL	NIL																		
No. of project orientation seminars	Number of participants																			
	M	F																		
1	28	42																		
<b>Indicator:</b> Number of women only project orientation seminars conducted  <b>Target:</b> 2 seminars* 50 female participants (100 female participants)	<table border="1"> <thead> <tr> <th>No. of project orientation seminars</th> <th>Number of Female</th> </tr> </thead> <tbody> <tr> <td>NIL</td> <td>NIL</td> </tr> </tbody> </table>	No. of project orientation seminars	Number of Female	NIL	NIL	<table border="1"> <thead> <tr> <th>No. of project orientation seminars</th> <th>Number of Female</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>98</td> </tr> </tbody> </table>	No. of project orientation seminars	Number of Female	1	98										
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NIL	NIL																			
No. of project orientation seminars	Number of Female																			
1	98																			
<b>Indicator:</b> No. of public advertisements on the project highlighting its benefits to women and the poor put up in strategic places in the city.  <b>Target:</b> 3 public advertisement on the project highlighting benefits to women and poor	No of public advertisements on the project highlighting benefits to women & poor prepared: (Annex copy)		No of public advertisements on the project highlighting benefits to women & poor prepared: (Annex copy)																	

<sup>2</sup> ADB's Operations Manual Section D14/OP (Issued on 18 May 2010) Para 31 (iii) states "Gender mainstreaming project categorization will be done for each PFR."

## Semi Annual Social Safeguard Monitoring Report

<p><b>Indicator:</b> No. of short radio program on the project's core messages that include gender-sensitive messages produced and played regularly in government-run radio programs.</p> <p><b>Target:</b> One radio program</p>	<table border="1"> <thead> <tr> <th>Number of short radio program developed</th> <th>Time and frequency of relay</th> </tr> </thead> <tbody> <tr> <td>NIL</td> <td>NIL</td> </tr> </tbody> </table>	Number of short radio program developed	Time and frequency of relay	NIL	NIL	<table border="1"> <thead> <tr> <th>Number of short radio program developed</th> <th>Time and frequency of relay</th> </tr> </thead> <tbody> <tr> <td>NIL</td> <td>NIL</td> </tr> </tbody> </table>	Number of short radio program developed	Time and frequency of relay	NIL	NIL																	
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<p><b>Activity 1.2 Consultation activities conducted during the WLM contract period in the pilot zone with community members in service areas, especially in the identified poor and slum areas, and with housewives, women heads of households, and heads of vulnerable households on the planning, design, and location of works.</b></p>																											
<p><b>Indicator:</b> No. of consultation conducted</p> <p><b>Target:</b> 4 consultations * 50 urban household representatives with at least 30% women and 30% from poor/slum/ vulnerable (200 HH representatives)</p>	<table border="1"> <thead> <tr> <th>Number of community consultations</th> <th>No. of participants</th> <th>No. of female participants</th> </tr> </thead> <tbody> <tr> <td>NIL</td> <td>NIL</td> <td>NIL</td> </tr> </tbody> </table>	Number of community consultations	No. of participants	No. of female participants	NIL	NIL	NIL	<table border="1"> <thead> <tr> <th>Number of community consultations</th> <th>No. of participants</th> <th>No. of female participants</th> </tr> </thead> <tbody> <tr> <td>NIL</td> <td>NIL</td> <td>NIL</td> </tr> </tbody> </table>	Number of community consultations	No. of participants	No. of female participants	NIL	NIL	NIL													
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<p><b>Activity 1.3: Gender-sensitive WLM manuals developed.</b></p>																											
<p><b>Indicator:</b> No. of WLM manuals developed.</p> <p><b>Target:</b> TBD</p> <p><b>Indicator:</b> Number of trainings using the manual</p>																											
<p><b>Activity 1.4 Poor women and men recruited for unskilled jobs in leakage repair works.</b></p>																											
<p><b>Indicator:</b> No. of skilled/unskilled workers engaged/recruited</p> <p><b>Target:</b> At least 30% of recruited unskilled workers are women.</p>	<table border="1"> <thead> <tr> <th colspan="2">Number of workers recruited/engaged</th> <th colspan="2">No. of female workers recruited/engaged</th> </tr> <tr> <th>Skilled</th> <th>unskilled</th> <th>skilled</th> <th>Unskilled</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Number of workers recruited/engaged		No. of female workers recruited/engaged		Skilled	unskilled	skilled	Unskilled					<table border="1"> <thead> <tr> <th colspan="2">Number of workers recruited/engaged</th> <th colspan="2">No. of female workers recruited/engaged</th> </tr> <tr> <th>Skilled</th> <th>unskilled</th> <th>skilled</th> <th>Unskilled</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Number of workers recruited/engaged		No. of female workers recruited/engaged		Skilled	unskilled	skilled	Unskilled					
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<p><b>Activity 1.5 Ward level focus group responsible for identifying poor, vulnerable households and can be the community's monitor/watchdog of the proper implementation of the project, organized.</b></p>																											
<p><b>Indicator:</b> Number of Focus group discussions with eminent local citizens/residents, preferably women, local NGOs/CBOs, and ward councilors.</p> <p><b>Target:</b> 50% female representation in FGDs</p>	<table border="1"> <thead> <tr> <th rowspan="2">Number of FGDs</th> <th colspan="2">No. of participants</th> </tr> <tr> <th>Male</th> <th>Female</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Number of FGDs	No. of participants		Male	Female				<table border="1"> <thead> <tr> <th rowspan="2">Number of FGDs</th> <th colspan="2">No. of participants</th> </tr> <tr> <th>Male</th> <th>Female</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Number of FGDs	No. of participants		Male	Female												
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## Semi Annual Social Safeguard Monitoring Report

OUTPUT 3: FINANCIAL AND PROJECT MANAGEMENT CAPACITY FURTHER DEVELOPED																									
<b>Activity 3.1. Women staff in the PMU recruited and trained.</b>																									
<b>Indicator:</b> No. of women staff in PMU recruited and trained  <b>Target:</b> Women staff comprises 30% of PMU's new positions.	<table border="1"> <thead> <tr> <th>No. of new PMU staff recruited</th> <th>No. &amp; % of new PMU female staff recruited</th> <th>No. of female PMU staff trained</th> </tr> </thead> <tbody> <tr> <td>NIL</td> <td>NIL</td> <td>NIL</td> </tr> </tbody> </table>	No. of new PMU staff recruited	No. & % of new PMU female staff recruited	No. of female PMU staff trained	NIL	NIL	NIL	<table border="1"> <thead> <tr> <th>No. of new PMU staff recruited</th> <th>No. &amp; % of new PMU female staff recruited</th> <th>No. of female PMU staff trained</th> </tr> </thead> <tbody> <tr> <td>NIL</td> <td>NIL</td> <td>NIL</td> </tr> </tbody> </table>	No. of new PMU staff recruited	No. & % of new PMU female staff recruited	No. of female PMU staff trained	NIL	NIL	NIL											
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<b>Activity 3.2. Gender orientation to all PMU and KMC officials, and contractors, organized, highlighting gender and other social inclusion issues related to water supply and sanitation.</b>																									
<b>Indicator:</b> No. of PMU and KMC officials and contractors oriented to gender responsive planning in water and sanitation and GAP provisions  <b>Target:</b> TDB Gender orientation to all	<table border="1"> <thead> <tr> <th rowspan="2">No. of orientations</th> <th colspan="3">No. of participants</th> </tr> <tr> <th>PMU staff</th> <th>KMC staff</th> <th>Contractors</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>53</td> <td>NIL</td> <td></td> </tr> </tbody> </table>	No. of orientations	No. of participants			PMU staff	KMC staff	Contractors	3	53	NIL		<table border="1"> <thead> <tr> <th rowspan="2">No. of orientations</th> <th colspan="3">No. of participants</th> </tr> <tr> <th>PMU staff</th> <th>KMC staff</th> <th>Contractors</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>73</td> <td>NIL</td> <td>4</td> </tr> </tbody> </table>	No. of orientations	No. of participants			PMU staff	KMC staff	Contractors	4	73	NIL	4	3 orientation meetings were conducted by PC&SDC for KEIIP staffs (PMU, PMC & DSC) on “ <b>Gender Action Plan</b> ” on 13 <sup>th</sup> & 17 <sup>th</sup> May 2016 and “ <b>Consultation on the role of communication and media on gender responsive project benefits</b> ” on 18 <sup>th</sup> May held at KEIIP office.
	No. of orientations		No. of participants																						
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No. of orientations	No. of participants																								
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<b>Activity 3.3. Gender items in the project information format for regular reporting incorporated.</b>																									
<b>Indicator:</b> No. of gender related information included in the project information format  <b>Target:</b> TBD	<table border="1"> <thead> <tr> <th>No. of project information format developed</th> <th>No. of gender related information included</th> </tr> </thead> <tbody> <tr> <td>Annex format</td> <td></td> </tr> </tbody> </table>	No. of project information format developed	No. of gender related information included	Annex format		<table border="1"> <thead> <tr> <th>No. of project information format developed</th> <th>No. of gender related information included</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>4</td> </tr> </tbody> </table>	No. of project information format developed	No. of gender related information included	4	4	Formats attached on  1. House Connection S&D 2. House Connection Water Supply 3. Grievance Rdressal 4. Public consultation														
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4	4																								
<b>3.4 Gender indicators incorporated in the PPMS</b>																									
<b>Indicator:</b> PPMS with gender indicators and sex disaggregated data developed	<b>No. of gender indicators included: No. of beneficiary data that is sex disaggregated:</b>  Annex PPMS format	<b>No. of gender indicators included: No. of beneficiary data that is sex disaggregated:</b>  Annex PPMS format																							

## Semi Annual Social Safeguard Monitoring Report

Activity 3.5 Poor, vulnerable households who need concessionary connections and subsidies on user fees identified & 3.6 Rules for concessionary lifeline connections for vulnerable and poor women-headed households proposed.																	
<p><b>Indicator:</b> Roster of vulnerable households per ward (with information on number, sex, ages, and occupations of household members, income, expenditures, living conditions, etc.) developed</p> <p><b>Indicator:</b> Number of poor, vulnerable households who need concessionary connections and subsidies on user fees identified.</p> <p><b>Target:</b> 270 new water supply &amp; 375 new sewerage connection provided to identified vulnerable and poor women-headed households.</p>	<table border="1"> <thead> <tr> <th>No. of poor &amp; vulnerable HH identified in each ward</th> <th>No. / % of FHH identified in each ward</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No. of poor & vulnerable HH identified in each ward	No. / % of FHH identified in each ward			<table border="1"> <thead> <tr> <th>No. of poor &amp; vulnerable HH identified</th> <th>No. / % of FHH identified in each ward</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No. of poor & vulnerable HH identified	No. / % of FHH identified in each ward									
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Activity 3.7. A pro-vulnerability schedule of tariffs for water supply and sanitation services proposed.																	
<p><b>Indicator:</b> A pro vulnerability schedule of tariffs prepared</p>	<p>Annex schedule</p>	<p>Annex schedule</p>															

CBO = community-based organizations, CMU = contract management unit under the PMU, DMF = design and monitoring framework, DSC = design and supervision consultants, GAP = gender action plan, KMC = Kolkata Municipal Corporation, NGO = nongovernment organizations, O&M = operations and maintenance, PCC = public communication and social development consultants, PIU = project implementation unit, PMC = program management consultant, PMU = program and project management unit, PPMS = project performance monitoring system, SDU = social development unit under the PMU, UFIU = utility finance improvement unit, WLM = water loss management.

Note: Vulnerable households are those fulfilling five 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 *kutcha* house.

**Comments/ Remarks:**

**Prepared by:** \_\_\_\_\_

**Approved by:** \_\_\_\_\_

**Date:** \_\_\_\_\_

# **ANNEXURE 2**

## **SURVEY REPORT OF SOCIAL IMPACT ASSESSMENT IN PROJECT AFFECTED AREA**

## Semi Annual Social Safeguard Monitoring Report

SL. NO.	DATE	NAME OF PACKAGE	PLACE	OPINION OF APs (IF ANY)	NAME/ADDRESS/ CONTACT NO. OF APs	REMARKS
1	26.04.16	SD-05	Dakhin Para	No Complain	Debobrata Mondal 11, Dakhin Para Rd, Kol - 63 9748436632	Rest of the Job should be completed before Monsoon
2	26.04.16	SD-05	Dakhin Para	No Complain	Arundhaty Chowdhury 101, Dakhin Para, Kol - 63, 9933000076	NA
3	26.04.16	SD-05	Dakhin Para	No Complain	Asmit RoyChowdhury 101, Dakhin Para Road, Kol-63. 8443930535	NA
4	26.04.16	SD-05	Dakhin Para	No Complain	Sk Golum Md. 163, Barisha Dakhin Para, Kol - 63 9831747527	NA
5	26.04.16	SD-05	Dakhin Para	No Complain	Raju Mondal 4C, Dakhin Para, Kol - 63 8282803440	NA

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6	26.04.16	SD-05	Dakhin Para	No Complain	Urmila Pradhan 59B/3, Dakhin Para Road, Kol - 63 9433214793	NA
7	26.04.16	SD-05	Dakhin Para	No Complain	Rahul Das8/1, Dakhin Para Road,Kol - 638334034212	NA
8	05.05.16	SD-05	SasanKali Rd.	Material staged in front of the shop, as a result access to the shop was disturbed	Tarapada Ghosh 13, Sasankali Tala Road 9874899423	NA
9	05.05.16	SD-05	SasanKali Rd.	No	Santoshini Mahapatra 16, SasanKali Road, 9230312181	Na
10	05.05.16	SD-05	SasanKali Rd.	Road Restoration work not yet completed	Sombita RoyChowdhury 15/1, Sasan Kali Road, K-08. 7278883613	Restoration job should be comlpeted fast
11	05.05.16	SD-05	SasanKali Rd.	No	Sujoy Mukherjee 16, Sasan Kali Road 8961384804	Rest of the Job should be completed fast



## Semi Annual Social Safeguard Monitoring Report

12	05.05.16	SD-05	SasanKali Rd.	In front of the house drainage pipe was damaged during road restoration work (five days before)	S Banerjee Purnapatra (DIG) 57/A, Sasan Kali Road, Kol - 8 9434239709	Noticed to the contractor & assured to replace the damaged pipe.
13	08.06.16	SD-05	Satyanarayan Pally	No Complain	Sankar Kumar Das204/1, Amritalal Mukherjee RdKolkata - 63	NA
14	08.06.16	SD-05	Satyanarayan Pally	No Complain	Basanti Dutta Amritalal Mukherjee Rd Kolkata - 63	NA
15	08.06.16	SD-05	Satyanarayan Pally	Drainage Pipe Broken,	Pallabi Kundu 55, Satyanarayan Pally Kolkata - 61 8961443671	Informed Job Supervisor
16	08.06.16	SD-05	Satyanarayan Pally	No Complain	Puspa Chakraborty 58, Satyanarayan Pally 8420949188	NA

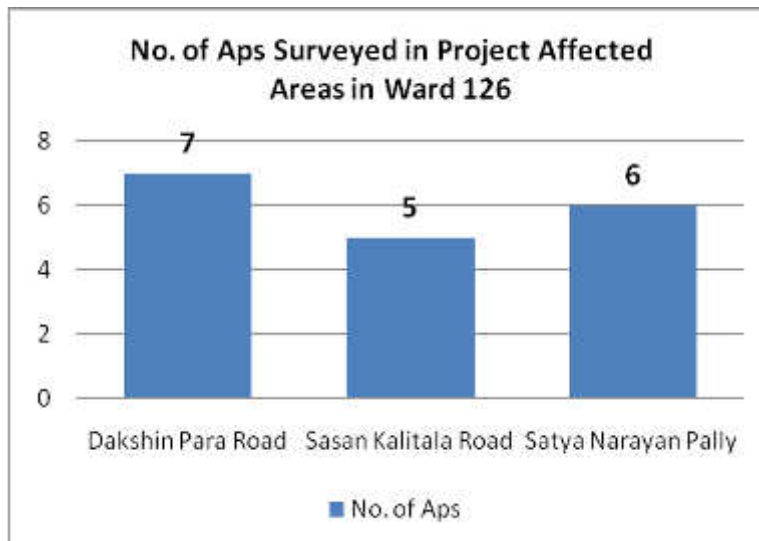
## Semi Annual Social Safeguard Monitoring Report

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17	08.06.16	SD-05	Satyanarayan Pally	No Complain	PhaniBhusan Biswas 59, Satyanarayan Pally, Kolkata - 61 9339340327	NA
18	08.06.16	SD-05	Satyanarayan Pally	Delay in Work	Sarbani Majumder 196, Amritalal Mukherjee Rd Kolkata - 63 9831672167	Informed Job Supervisor

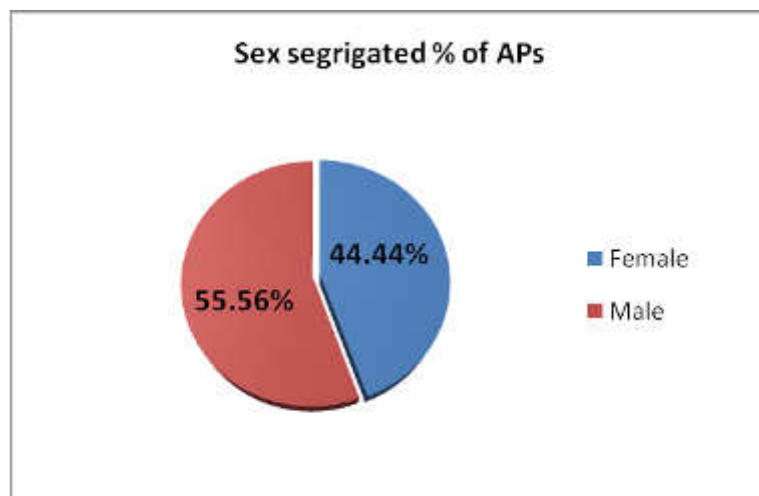
**Report on Social Impact Assessment Survey in Project Affected area**

**1. No. of Aps Surveyed in Project Affected Areas in Ward 126**

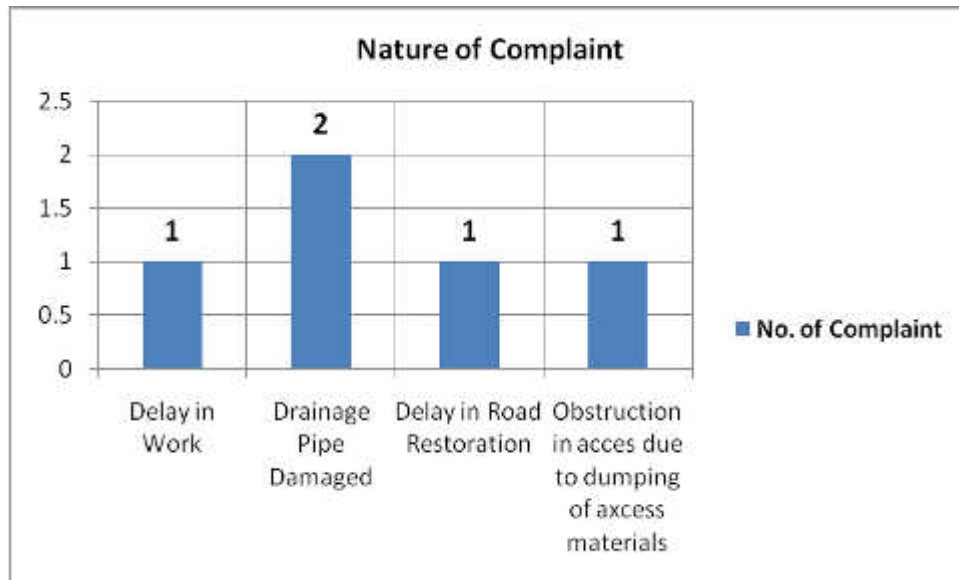
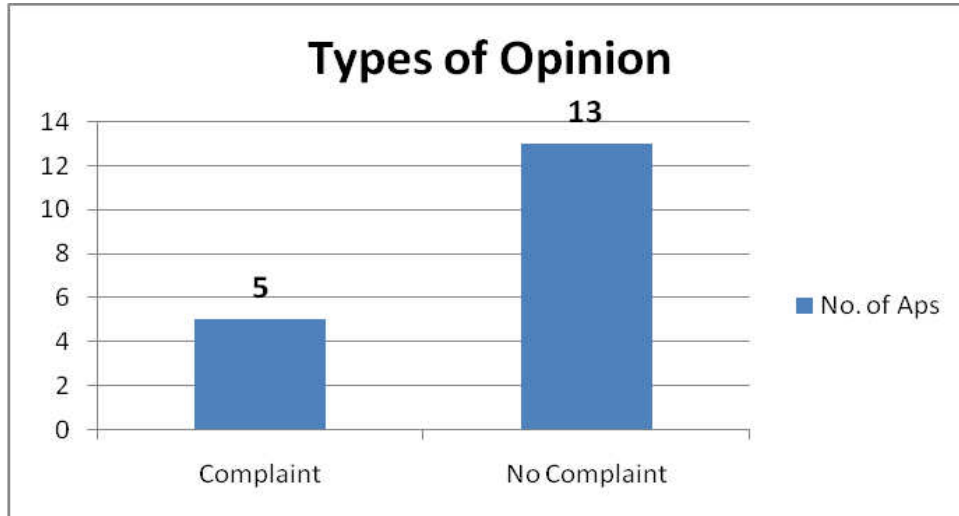


**2 .Sex Segregated Number of APs**

Sl. No.	Road Name	Female	Male	Total
1	Dakshin Para Road	2	5	7
2	Sasan Kalitala Road	2	3	5
3	Satya Narayan Pally	4	2	6
Total number of Aps Surveyed		8	10	18
Sex segregated % of APs		44.44%	55.56%	100%



### 3. Types of Opinion



# **ANNEXURE 3**

## **CONTRACTOR'S GRIEVANCE REGISTER (SD - 05)**

Semi Annual Social Safeguard Monitoring Report

**TANTIA -MPPL(WILO)JV**  
Grievance Redressal Register

*from contractor's register.*

Complaint Number	Date	Complaint through (phone/letter/site)	Name of complainer	Complaint details	Action taken by Contractor/PMU/DSC	Date - case resolved(days required)	Remarks-further action if any
001	20/03/15	Udyan Pally Road	Arpita Pal	drain damage during excavation	Repair damage drain	22/03/15	
002	13/04/15	Rajani Banerjee Rd.	Sansib Naskar	fracture in pipeline damage during excavation.	inform to KMC and Repair it by them.	15/04/15	
003	26/04/15	Nat en Sarkar	Pintu Dey	"	"	30/04/15	
004	05/05/15	Bhajanmani Debya Rd.	Sansoy Das	CESC cable damage during excavation.	inform to CESC and Repair by them.	08/05/15	
005	17/05/15	Udyan Pally.	Raj Achary	fracture damage in water line	inform to KMC and Repair by them.	18/05/15	

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TANTIA -MPPL(WILO)JV

Grievance Redressal Register

2

Complaint Number	Date	Complaint through (phone/letter/site)	Name of complainer	Complaint details	Action taken by Contractor/PMU/DSC	Date - case resolved(days required)	Remmarks-further action if any
006	20/05/15	Brojmani Debya Road	Sumit. Kanu	Feeture in water line damage during excavation	inform to KMC and Repair by them.	21/05/16	
007	28/05/15	Brojmani Debya Road.	Manju Biswas	Narrow approach Road for stacking of pipe	Remove pipe from approach Road.	28/05/15.	
008	03/06/15	Begore khal	Sandip. mondal	vehical movement obstruccion for material stacking.	material etc siteing	04/06/15.	
009	11/06/15	Begore khal	Bapi Pal	mad in approach Road.	cleating mad and spreading Sand.	11/06/15.	
010	26/06/15	Site Amhilar mukherjee	Subrata Sarda	Soft dump in front of house - entrance	Soil Remove from site with in two days.	27/06/16	



Semi Annual Social Safeguard Monitoring Report

TANTIA - MPPL(WILO)JV

Grievance Redressal Register

3

Complaint Number	Date	Complaint through (phone/letter/site)	Name of complainer	Complaint details	Action taken by Contractor/PMU/DSC	Date - case resolved(days required)	Remarks-further action if any
011	01.07.15	Site	Mr. Raju Sarker	Nagan Sarker Road - Drain over flow immediate action to be taken	Contractor	05.07.15	
012	15.07.15	Site	Mr. Susanta Banik	Nagan Sarker Road. Area become water logged due to heavy rain for de-watering to be done.	Contractor	19.07.15	
013	03.08.15	Site	Mr. Moulan Kar	Ambitala Mukherjee Road De-silting of drain to be done.	Contractor	08.08.15	
014	20.08.15	Site	Ms. Susmita Saha	Ambitala Mukherjee Road Road become slippery. Sand spreading is required.	Contractor	23.08.15	
015	07.10.15	Site	Samin Aich	Bhajan Debya Road Road to be made workable before diya puja.	Contractor	14.10.15	



Semi Annual Social Safeguard Monitoring Report

TANTIA -MPPL(WILO)JV

Grievance Redressal Register

4

Complaint Number	Date	Complaint through (phone/letter/site)	Name of complainer	Complaint details	Action taken by Contractor/PMU/DSC	Date - case resolved(days required)	Remmarks-further action if any
016	04.12.15	Site	Mr. A. Prasad	Removal of Excavated earth from site to make a way pathway for the project.	Contractor	07.12.15 (02 days)	
017	12.12.15	Site	Mr. P. Sen	Jagir Ghat Road CESC pole no. 213/8 shifting up as it is very old & damaged.	DSC	22.12.15	
018	20.12.15	Site	Mr. Anil Kumar Jha	Rakhol Mukherjee Road Site drain water logged and water back flow to home.	Contractor	24.12.15	

**TANTIA -MPPL(WILO)JV**  
Grievance Redressal Register

7

Complaint Number	Date	Complaint through (phone/letter/site)	Name of complainer	Complaint details	Action taken by Contractor/PMU/DSC	Date - case resolved(days required)	Remarks-further action if any
024	30/03/16	Sashan Kaitala Road.	Sandip maity	Drinking water line damage during excavation.	introm to KMC and Repair by them.	01/04/16	
025	13/04/16	Jaigir ghat Road.	Sasikur Alam	Road Restoration work not complete	B.M work done.	24/04/16	
026	05/05/16	Sashan Kaitala Road	Santosi mohapatra	Soil dump in Road.	Soil Removing from site	06/05/16	
027	05/05/16	Sashan Kaitala Road.	Sombita Roy	Road Restoration work Not Complete			
028	05/05/16	Sashan Kaitala Road. 57/A.	S. Banerjee parnapatra	c/s drain damage during Road Restoration work.	Repairing. c/s drain.	09/05/16	

TANTIA -MPPL(WILO)JV

Grievance Redressal Register

.....8

Complaint Number	Date	Complaint through (phone/letter/site)	Name of complainer	Complaint details	Action taken by Contractor/PM/DSC	Date - case resolved(days required)	Remarks-further action if any
029	10/5/16	State Bank Garden Road (Nasrul Sarani)	Sr. Nasir	Not to start pipe laying work. Need 2 week time for arrangement	We start pipe laying work after one week with consultation	17-5-16	Start Pipe laying work on 17-5-16
030	10/5/16	State Bank Garden Road (Nasrul Sarani)	Partha Das	Not a parking place. -do-	-do-	17-5-16	-do-
031	10/5/16	State Bank Garden Road (Nasrul Sarani)	Paban Mondal	-do-	-do-	17-5-16	-do-
032	10/5/16	State Bank Garden Road (Nasrul Sarani)	Yasir Hossain	-do-	-do-	17-5-16	-do-
033	10/5/16	State Bank Garden Road (Nasrul Sarani)	Md. Faraz	-do-	-do-	17-5-16	-do-



Semi Annual Social Safeguard Monitoring Report

TANTIA -MPPL(WILO)JV

Grievance Redressal Register

9

Complaint number	Date	Complaint through (phone/faceloc/site)	Name of complainer	Complaint details	Action taken by Contractor/PM/MSO	Date - case resolved(days required)	Remarks-further action if any
34	23/05/16	State Bank Garden Road (Nazrul Sasaki)	SK. Rajon	CESC cable damage during excavation.	inform to CESC and Repair by them.	23/05/16	
35	28/05/16	"	Md. Toufik	"	"	28/05/16	
36	04/06/16	"	SK. Sabir	Water Line damage during excavation work.	inform to KMC and Repair by them.	04/06/16	

# **ANNEXURE 4**

**Report on underground House Drainage  
Connection of Upen Banerjee Road  
(Ward no. 131)  
(SD-05, Additional Work)**

## Semi Annual Social Safeguard Monitoring Report

### Report on underground House Drainage Connection as on 30.06.16 Upen Banerjee Road (Ward no. 131) (SD-05, Additional Work)

SL	NAME OF OWNER(S)/ OCCUPIER(S)	PREMISES NO	NO.OF FAMILY MEMBERS	D.N. NO.	DATE OF ISSUE	REMARKS
1	Shashi Dhar Goutam,Parasnath Singh	277A	3	170	24/06/2016	
2	Dinesh Kumar Bajaj	277	4	81	14/06/2016	
3	Smt. Bina Devi Shaw Alias Saha Bhupen Shaw	273	3	82	14/06/2016	
4	Anada Offset Pvt Ltd.	271	NA	83	14/06/2016	
5	Anadidev Chatterjee	272	2	84	14/06/2016	
6	Mritika Aptt.	P- 204/255				Connection has already been done
7	Shantiniketan Aptt	273A				Back side connection had already been done earlier
8	Saraswati Shuvam Aptt (Parash Kumar Ghosh)	P-241 Premises No-268	50	174	28/06/2016	authorization letter recived on28/06/16 on behalf of the apartment
9	Shakti Shanga Club	239				Locked
10	Pragati Appt	267/A				Need to produce authorization letter on behalf of the apartment
11	WPIL LTD.	180/170				Locked
12	Manik Chandra Mondal	256	5	151	15/06/2016	
13	Krishna Chandra Mondal	257				Backside connection had already been done
14	Jugal Chandra Mondal	255	6	152	15/06/2016	
15	Kartick Mondal & Sudhir Mondal	P-233/A				No existing Outlet in front of the house
16	Gobinda Ch. Mondal	P-233/C				do
17	Rupchand Mondal & Sanatan Mondal	P-233/B				do
18	Chittaranjan Manna	P-231				Absent
19	Madan Manna	252B				No existing Outlet in front of the house
20	Sushama Aptt(Arup Mondal)	252F	12	175	28/06/2016	authorization letter recived on28/06/16 on behalf of the apartment
21	Tinkari Manna	252/D	3	176	28/06/2016	
22	Rudra Enclave	252E				New Building, Need to verify Building Plan.

## Semi Annual Social Safeguard Monitoring Report

23	Annana Aptt(Dipti Samanta)	P-252	20	180	29/06/2016	
24	Bejoy Ch. Manna	252C	4	153	15/06/2016	
25	Shanti Aptt.	249A				Connection already been done
26	Sabitribala Paul	93	13	154	15/06/2016	
27	Ras Behari Dey	92	3	155	15/06/2016	
28	Sandhya Manna & ors	89	8	156	15/06/2016	
29	Kathakali Aptt Samir Kumar Hembrem).	89A	50	177	29/06/2016	
30	Bijoy kr Das	GA-80				old HD connection is in existence, required additional connection
31	Manik Barua	G/A/80				Existing connection, absent
32	Sunil Kr. Das	G/A/74	6	157	17/06/2016	
33	Manjusree Barua	1254	4	159	17/06/2016	
34	Arun Krmar Chakraborty	GA83				Backside connection had already been done
35	Joydev Chakraborty	1308				old HD connection is in existence, required additional connection
36	Barun Sarkar	P-75				old HD connection is in existence, required additional connection
37	Smt Sabitri Chakraborty	83		161	17/06/2016	
38	Subham ( Merriage Hall) Sambhu Nath Singh	P-496		179	29/06/2016	
39	Hemanta Kr Dey	81		162	17/06/2016	
40	Radha Rani Dasi	86	4	163	20/06/2016	
41	Parking Garage	183				parking place for motor car
42	Uttara Aptt.Sikha Mukherjee(Authorised)	73B	30	173	27/06/2016	authorization letter recived on28/06/16 on behalf of the apartment
43	Shantiniketan Aptt Latika Dutta & Debasish Dutta	69 P-498	40	178	29/06/2016	
44	Puja Aptt. Sabita Tripathi(Authorised)	104	18	172	27/06/2016	authorization letter recived on28/06/16 on behalf of the apartment
45	Vivekananda Sporting Club	P-412				absent
46	Sambhu Singh	P-412				required additional connection
47	Manoj Barua	906	3	164	20/06/2016	
48	Kali Mandir					
49	Pinki Das & ors	1184	3	165	20/06/2016	

## Semi Annual Social Safeguard Monitoring Report

50	Gauranga Ch. Das	1185	10	166	20/06/2016	Deposited the money at Borough office.
51	Jayanto Roy	768	3	167	20/06/2016	
52	Narayan Ch. Saha	905	3	168	20/06/2016	
53	Sarobar Appartment	403/1				Need to produce authorization letter on behalf of apartment
54	Sarajini Apartment Satyambada Chakraborty(Authorised)	61	15	171	27/06/2016	authorization letter recived on28/06/16 on behalf of the apartment
55	Nityananda Dasgupta	177	4	169	21/06/2016	
56	Lake Place Flat	....				required additional connection

Total Number House Hold Visited-56

Total Number Demand Notice issued till Date : 31



# **ANNEXURE 5**

## **COMMUNITY CONSULTATION PHOTOGRAPHS OF WARD – 122, ( SD – 07)**

PHOTOGRAPHS OF COMMUNITY CONSULTATION AT WARD 122 , SD - 07



Councillor of Ward 122, Smt. Soma Chakroborty is addressing the participants during the consultation programme on 08.02.16



Participants' Photographs of the consultation programme sharing their views.

Semi Annual Social Safeguard Monitoring Report

MALE

Participants List

Name of place (Ward No) Ranikamal vidyashiketal ward-122

Date 02/02/2016 Sodepur Rd, Kal-78082

Sl.No	Name of Participants	Contact No, if any	Signature
1	Swapan Mondal	9229408848	Swapan Mondal
2	Bicharajit Das	8981074260	Bicharajit Das
3	Pintu Sil	7890180062	Pintu Sil
4		9038812983	Pranab Mondal
5	H.C. Guha	9830309147	H.C. Guha
6	Tapas Natha	<del>9883323077</del> 9883323077	Tapas Natha
7		-	Garnish Banick
8	Babai Biswas	9831521850	Babai Biswas
9	A. Sardar	8449976983	A. Sardar
10	Rabindra Nath. Sen	<del>9899</del> 9339666479	Rabindra Nath. Sen

Somva Chakraborty  
8.2.16

Semi Annual Social Safeguard Monitoring Report

Participants List

Name of place (Ward No)

Date 08/02/2016

Sl.No	Name of Participants	Contact No. if any	Signature
11	Apurba Acharya	231028789	Apurba Acharya
12	Bikram Nath Barak	1231656098	Bikram
13	Jayaj Sarker	9831096899	Jayaj
14	Abadun Roy	8981616591	Abadun
15	Bikash Sen	9903387480	Bikash
16	ASHOK SARKAR	9830137611	Ashok Sarkar
17	Pratir Sarker	9051981263	Pratir
18	Subankar Mondal	8334925534	Subankar
19	Sahadul Hossain Sarker	943982873	Sahadul
20	Abul Gani	7890050 116	Abul Gani

Soma Chakraborty  
8.2.16



Semi Annual Social Safeguard Monitoring Report

FEMALE

Participants List

Name of place (Ward No): Rampal widyaniketan ward-122  
Sodipur Rd, Kol-700082  
 Date: 08/02/2016

Sl.No	Name of Participants	Contact No, if any	Signature
(1)		7059346489	সম্মিলিত হোস্ট্রা
(2)		9836255258	সম্মিলিত হোস্ট্রা
(3)		9674210193	Dipa Mondal
(4)		9768055225	পিয়া পাণ্ডা
(5)		9903898468	Shikha Sarkar
(6)			সম্মিলিত হোস্ট্রা
(7)			Kuheli Barua
(8)			সম্মিলিত হোস্ট্রা
(9)			সম্মিলিত হোস্ট্রা
(10)		9909281125	Ratna Mukherjee

Soma Chakraborty  
 8.2.16

Semi Annual Social Safeguard Monitoring Report

Participants List

Name of place (Ward No)

Date

Sl.No	Name of Participants	Contact No, if any	Signature
(11)		983160522	[Signature]
(12)		9903537407	ANNA DAS
(13)		8013513964	কাজল শাহিন
(14)			কাজল শাহিন
(15)		9903549061	সীতা
(16)			সীতা
(17)		9831604302	Prof. Sankar
(18)			[Signature]
(19)			[Signature]
(20)			[Signature]

Soma Chakraborty  
8.2.16

## Semi Annual Social Safeguard Monitoring Report

### Participants List:

Name of place (Ward No)

Date

Sl.No	Name of Participants	Contact No, if any	Signature
(21)			श्री लता शर्मा
(22)			श्रीमती शर्मा
(23)			श्रीमती शर्मा
(24)		9163330614	Baby Kayak
(25)			श्रीमती शर्मा
(26)			श्रीमती शर्मा
(27)			श्रीमती शर्मा
(28)			श्रीमती शर्मा
(29)			श्रीमती शर्मा
(30)			श्रीमती शर्मा

Soma Chakraborty

8.2.16

# Semi Annual Social Safeguard Monitoring Report

## Participants List

Name of place (Ward No)

Date 08/02/2016.

Sl.No	Name of Participants	Contact No, if any	Signature
(31)			Pallab Biswas
(32)			Sweta Shaw
(33)			Dobi Sir
(34)			রত্না গুপ্তা
35			অর্পিতা গুপ্তা
36			স্বপ্না
37			Bairakhi Dutta
38			সৌম্য
39			সুনীতা মাইতি
40			সৌম্য

Soma Chakraborty  
8.2.16



## Semi Annual Social Safeguard Monitoring Report

### Participants List

Name of place (Ward No)

Date

Sl.No	Name of Participants	Contact No, if any	Signature
41			Jharna Sarda
42			Rupia Roy
43			
44			
45			
46			
47			
48			
49			
50			

Soma Chakraborty  
S. 2. 16. 1

# **ANNEXURE 6**

## **COMMUNITY CONSULTATION PHOTOGRAPHS OF WATER LOSS MANAGENET WARD – 5, (WS – 01)**

**Chairman Borough – 1, Sri, Tarun Saha  
Addressing the participants of the Community Consultation Programme**




## Semi Annual Social Safeguard Monitoring Report

### Participation List

Name of Place(Ward No)

Date

Sl. No	Name of Participant	Contact No, if any	Signature
	Purnima Gupta	7687031256	3H/1 Old Chandri Road
	Dipa Chakri	9903060660	
	बुद्धू गुला		3/7 Old Chandri Road
	राजू जीन	9038688744	
	अनु सकुल	9735271211	
	परिपति सकुल		
	सवि सकुल		
	र कविशाल		
	अनिष्ठा सकुल		
	दिशा (सकुल)	9836977543	17/4/9 Old Chandri Road - 37
	बुला चुकी	9163643255	
	रसु मरु	9239561356	
	निका सकुल	9836977543	17/4/9 Old Chandri Road - K-37

Semi Annual Social Safeguard Monitoring Report

Participant(s)

Name of Place (Vard No)

Date

Sl. No.	Name of Participant	Contact No. if any	Signature
	शोभा खोसा	8013727123	17/11/15 O.C.R.
	शोभा खोसा	8420629947	
	Ayeshakhan	9804843857	3/2 O.C.R.
	Kosari Khan	9331575724	3/2 O.C.R.
	Khushbu Khan	9804843857	3/2 O.C.R.
	Shaimun Nisha	933157724	3/2 O.C.R.
	Rabiya Begum	8420629947	
	Shakha Khan		
	Baby Khan	8013727123	
	शोभा खोसा	9748789010	17/11/15 O.C.R.
	शोभा खोसा	9836640870	17/11/15 O.C.R.
	Purnima Das.	9748754513	8/3, K.B. lane
	Sonali maity	8017430575	17/11/15 O.C.R.



Semi Annual Social Safeguard Monitoring Report

Participation List

Name of Place/Ward No. \_\_\_\_\_

Date \_\_\_\_\_

Sr. No.	Name of Participant	Contact No. if any	Signature
	Kakali Mitka	8017225230	17/H/15, O.C. Road
	(ककली मिटका)	8017225230	17/H/15, O.C. Road
	सोनी मय	8017436592	17/H/15 O.C. Road
	सोनी मय		17/H/15 O.C. Road
	सोनी मय	8583966015	17/H/15 O.C. Road
	सोनी मय	9748250143	3/H/7 O.C. Road
	सोनी मय	9674139531	17/H/15 O.C. Road
	सोनी मय	990354959	
	सोनी मय	9889962974	
	सोनी मय	9330641712	
	सोनी मय		
	Suman Rai	9051870356	17/H/6 O.C. Road
	सुमन राय	9239592333	

Semi Annual Social Safeguard Monitoring Report

Participation List

Name of Place/Ward No:

6/4

Sl. No	Name of Participant	Contact No. If any	Signature
	Mamata Prasad	9903590604	17/11/16 O.C. Road
	Sonali Dey	9836749773	13/11/10 O.C. Road
	Dipa Mahato.	7688039450	17/11 O.C. Road
	Kajal Mahato.	9051837797	17/11 O.C. Road
	आरती शर्मा	9038860969	17/11/10 O.C. Road
	Bedrunisa		17/11/10 O.C. Road
	श्रीती शर्मा	9831452315	13/11/10 O.C. Road
	कज्जला शर्मा	8013841416	17/11/8 O.C. Road
	Rifa Hela	9831291039	4/11/9 O.C. Road
	Priya Banerjee	8981856670	3/11/10 Chandi
	Geetani Khanna	9163804973	3/11/10 Chandi
	वैजन्ती दत्त	8981366554	17/6 ओलाई चन्दी रोड
	रीना दत्त		17/6 ओलाई चन्दी रोड

## Semi Annual Social Safeguard Monitoring Report

Participation List

Name of Raza/Ward No.1

Date:

Sr. No.	Name of Participant	Contact No. if any	Signature
1	का		
	Bhagyashree Rai	9038417027	Bhagyashree Rai
	Sony Rai	9903939384	Sony Rai
	Dimple Limboo		
	रेश्मा सिंह		
	देवना सिंह		
	Randhawa Paul	9836794380	
	मिता राना	7278890700	
	रुक्मा राना	7278890700	
	Rita Mahato		
	Sabitri Devi Sanyal		
	Epuka Shaw	7044206069	4/4/8 D.C. Road
	Habiba Shaw	7439192284	



## Semi Annual Social Safeguard Monitoring Report

Name of PUC/SHS: \_\_\_\_\_  
 Participations: \_\_\_\_\_

Date: \_\_\_\_\_

Sl. No.	Name of Participant	Contact No. if any	Signature
	Shyamal Chakraborty	9051155156	Shyamal Chakraborty
	Shobana Sekh	8100888182	S. Sekh
	Jasra Moudal		জসরা মৌদাল
	Barsha Singh	9830712709	Barsha Singh
	Pooram Shaw	9687050083	Pooram Shaw
	মঞ্জুরী শীল		মঞ্জুরী শীল
	জিলা শীল		জিলা শীল
	Manjula Tiwari	9874681571	Manjula Tiwari
	ROSHANARA	8981693634	ROSHANARA
	TAHIRA PRAWEEH	8981693634	তাইরা পরবীন
	Kalpana Das	9748635445	কাল্পনা দাস
	Smrita Das	9007792147	স্মৃতি দাস স্মৃতি দাস
	Bijay Lakshmi	9007792147	বিজয়া লাক্ষ্মী

## Semi Annual Social Safeguard Monitoring Report

Participation List

Name of the (Project No)

Date

Sl.No	Name of Participant	Contact No. / Email	Signature
	Mihul Bhatta	8013485713	Mihul Bhatta
	Anima Khatri	9874577456	Anima Khatri
	Mansi Khatri	9330688230	Mansi Khatri
	Purul Khatri	:	Purul Khatri
	Astamani Khatri	9836859139	Astamani Khatri
	निरमली शर्मा		निरमली शर्मा
	आशुला शर्मा	8014284488	आशुला शर्मा
	वसुधनी शर्मा	8013485889	वसुधनी शर्मा
	Pritya Kaibasta		Pritya Kaibasta
	कवि प्रतुल	9231965970	कवि प्रतुल
	Nisha Kumari	7298998246	Nisha Kumari
	Sarita Rora		Sarita Rora
	Skyom Lali	8442985573	

# Semi Annual Social Safeguard Monitoring Report

Participation List

Name of Place/Ward No: \_\_\_\_\_

Date: \_\_\_\_\_

Sl. No.	Name of Participant	Contact No. if any	Signature
	Nishu Singh Nath निशु सिंघ नाथ	8697609037	
	रमेश देवीलाल रमेश देवीलाल		
	शुभ रंजी साहू शुभ रंजी साहू		
	बंशु साहू बंशु साहू		
	सुरेश साहू सुरेश साहू		

# ANNEXURE 7

## SAFEGUARD COMPLIANCE PHOTOGRAPHS

**PHOTOGRAPHS OF SOCIAL SAFEGUARD COMPLIANCE**



**PHOTOGRAPHS OF MICROTUNNELING WORK (WS & SD – 04 )  
ROAD DIVERSION & TRAFFIC DIVEERSION**



**PHOTOGRAPHS ON SAFETY INSTRUCTIONS TO WORKERS AT SITE  
(WS & SD – 04)**



**PHOTOGRAPHS OF CONSTRUCTION SITE JOKA TRAM DEPOT  
(SD – 05)**





**PHOTOGRAPHS OF TRAINING ON SAFETY CONTRACTOR – ITD – CEM (WS&SD - 04)**



**PHOTOGRAPHS OF SOCIAL IMPACT ASSESSMENT SURVEY FOR PUBLIC OPINION COLLECTION IN THE PROJECT AFFECTED AREA (SD – 05)**

