



Social Safeguards Due Diligence Report

April 2022

India: Kolkata Environmental Improvement Investment Program - Tranche 2

Subproject : Dedicated Water Supply Transmission Main from Junction of James Long Sarani to Daspara near existing Pumping Station along James Long Sarani (TR-02/WS-24)

Prepared by The Kolkata Municipal Corporation (KMC), Kolkata for the Asian Development Bank

This social safeguards due diligence report is a document of the borrower. The views expressed herein do not necessarily represent those of ADB's Board of Directors, Management, or staff, and may be preliminary in nature.

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Asian Development Bank

Land Acquisition and Resettlement Due Diligence Report

Updated Document
Project number: 42266
March 2022

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ABBREVIATIONS

ADB	-	Asian Development Bank
DMS	-	Detail Measurement Survey
ESR	-	elevated service reservoir
KEIIP	-	Kolkata Environmental Improvement Investment Program
KMC	-	Kolkata Municipal Corporation
ROW	-	right of way
UGR	-	underground reservoir

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I. INTRODUCTION

A. Background

1. On 26 September 2013, the Asian Development Bank (ADB) approved the provision of loans under a multi tranche financing facility (MFF) for the Kolkata Environmental Improvement Investment Program (KEIIP or the Investment Program) for an aggregate amount not to exceed \$400 million. The impact of the Investment Program will be improved access to water supply and sanitation in Kolkata Municipal Corporation (KMC). The outcome will be improved water supply, sewerage and drainage service quality and operational sustainability in selected areas of KMC. KEIIP has three outputs: (i) inefficient water supply assets rehabilitated; (ii) sewerage extension to peripheral areas continued;¹ and (iii) financial and project management capacity further developed. KMC is KEIIP's executing agency. A project management unit (PMU) created under KMC is implementing KEIIP.

2. The first loan under it, Tranche 1 or Loan 3053-IND, amounting to \$100 million, was approved by ADB on 22 October 2013, signed on 3 March 2014 and made effective on 30 May 2014. Project 1, supported by tranche 1, included subprojects for improvement of infrastructure, operations and sustainability in sewerage, drainage and water supply in KMC.

3. The proposed Project 2, supported by the tranche 2 of KEIIP, will include physical and non-physical investments in water supply and sanitation improvement in KMC. Project 2 is aligned with improved access to water supply and sanitation in KMC as defined by the Investment Program.

4. For water supply, a total of eleven contract packages are proposed, of which one is a priority package. Kolkata Municipal Corporation (KMC) is in the process of preparing project proposals for all proposed subprojects under Project 2 to ensure high project readiness.

- (i) **WS - 15:** Construction of Underground Reservoirs & Overhead Reservoirs , Pumping Stations & Linking Pumping Station Mains for Water Supply in Joka& Adjoining Areas including operation & maintenance of the pumping station
- (ii) **WS – 16:** Laying of Transmission Main from Daspara PS to UGRs at Prantik PH-III , KMCLand on Julpia Road ; and Transmission Main from PS to zonal Reservoirs
- (iii) **WS –17A:** Laying of Water Supply distribution network including providing household service connection in 4 distribution service areas in Joka& adjoining areas for the command area under proposed ESRs at PrantikPh-III,N-E of SSE STP and N-W of SSE STP& existing ESR at Prantik
- (iv) **WS –17B:** Laying of Water Supply distribution network including providing household service connection in 4 distribution service areas in Joka& adjoining areas for command area under proposed ESRs at Company Pukur, WBSETCL & 22 Bigha& Existing ESR at Diamond Park
- (v) **WS –18:** Laying of Transmission Main from pumping station to proposed 3ESRs at Ramkantapur,Malpara, Charaktala& Construction of the 3 ESRs including laying of Distribution Network with House service connection within the

¹The 1899 Calcutta Municipal Act defined the administrative domain of the municipal authority as covering 25 wards and having an areal extent of 48.5 square kilometers. Many boundary changes followed, the latest one in January 1984 when Boroughs XI, XII, XIII, XIV and XV were annexed to KMC. These boroughs in the peripheral areas, are popularly known as “added areas”.

- Command Area of the 3 ESRs for Water Supply in Joka and adjoining areas
- (vi) **WS –20:** Construction of Pumping Station to handle Sludge Water of Garden Reach Water Works (GRWW)
- (vii) **WS –24:** Dedicated Water Supply Transmission Main from junction of James Long Sarani to Daspara near existing pumping station along James Long Sarani
- (viii) **WS –25:** Performance Based Contract for Water Loss Management in Anandapur Area and Patuli Area under Jai Hind WTP
- (ix) **WS –26B:** Water Supply System Instrumentation and Information Technology Upgrade
- (x) **WS –33:** Augmentation of storage capacity and transmission main under Jai Hind WTP- clear water reservoir, service main and electro mechanical works
- (xi) **WS –01:** Performance Based Water Loss Management Works at Cossipore Service Zone, Ward No. 1 to 6

B. Scope of this Report

5. A draft land acquisition and resettlement due diligence report (DDR) was prepared and disclosed for the proposed water supply subproject TR-2 /WS 24 that involves laying of Water Supply Transmission Main from junction of James Long Sarani to Daspara near existing pumping station along James Long Sarani. This DDR has been updated based on the final design derived from the preliminary design without making and changes in the components; based on which detailed measurement survey (DMS) has been conducted in the month of January 2019. No Involuntary Resettlement impact has been identified during the DMS based on final design. During the implementation stage, regular monitoring will be done by the social safeguard officer PMU and the findings will be incorporated in the semi-annual social monitoring report.

6. Upon project implementation, the Social Safeguard Officer at PMU will be required to undertake a review of this due diligence, prepare a confirmation letter or report documenting any modifications for the subproject and submit to ADB; and receive a 'no objection' confirmation from ADB prior to start of construction related to the subproject

C. Methodology followed for Due Diligence

7. The DDR is prepared based on the detailed project report of the subproject, and to fulfill ADB Safeguard Policy Statement (SPS), 2009 and the agreed resettlement framework requirements of the project. This report describes the findings of the field verifications of the design, consultations with project engineers. The copies of available public consultations, and photographs are made part of this report.

II. SUBPROJECT DESCRIPTION

8. The areas added to the city of Kolkata after 1984 ('added areas') have major gaps in supply of potable water. The subproject location is at the southern part of KMC area. Surface water from River Hooghly is presently supplied by Public Health Engineering Department in this area. The water presently being supplied by State Public Health Engineering Department is inadequate to meet the demand of the subproject area. Need for an improved water supply system is identified for successful service delivery of potable water. The overall objective of the water supply subproject in Project 2 is to enhance the service levels using a phased approach, to arrive at the target service levels.

9. Under project 2 water supply package TR-2 WS24, a dedicated water supply transmission main from the junction of James Long Sarani to Daspara, near the existing pumping station along James Long Sarani, is proposed to be laid. Prior notice will be given to the community before start of civil work. Access will be ensured by the contractor by avoiding excavation of adjacent footpaths and/or by providing planks for pedestrian access. Potential disruptions at pipe crossings at congested, commercial areas are to be mitigated by undertaking night work and minimizing the construction period.

III. FIELDWORK AND PUBLIC CONSULTATION

A. Outline of Field Work

10. In January 2019, field visits and stakeholder consultations were carried out at the proposed subproject alignment locations.

B. Public Consultation

11. Stakeholder consultations were undertaken in line with ADB's requirements pertaining to environment and social considerations. Meetings with stakeholders helped identify the felt needs, concerns and apprehensions of the communities related to the project, as well as their priorities.

12. The field visits and interactions helped ascertain that no permanent relocation or loss of land or structures or temporary or permanent economic impacts are anticipated as a result of the proposed subproject. Hence, further survey and inventories are not required.

IV. LAND AVAILABILITY AND RESETTLEMENT IMPACTS

A. Laying of Transmission Main

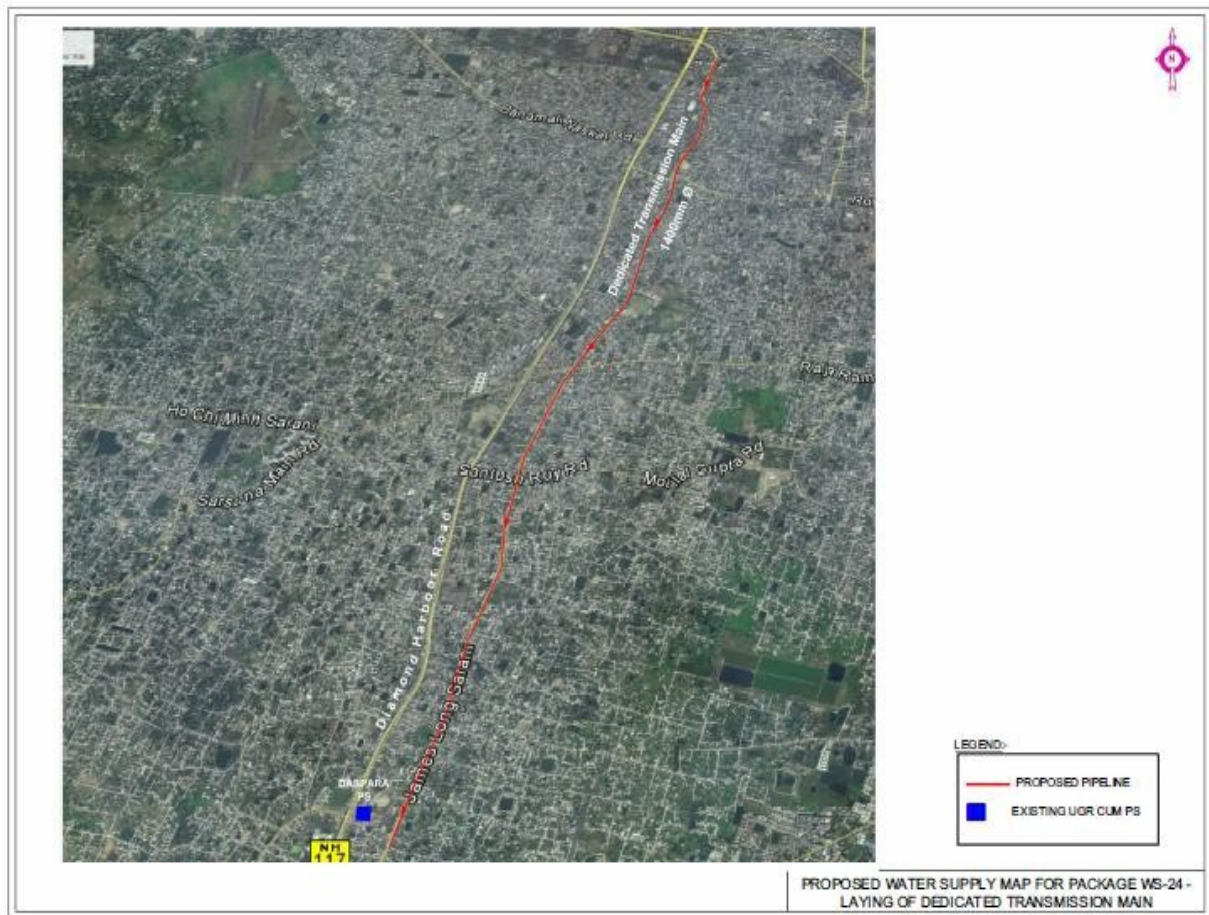
13. No land acquisition or resettlement impacts are assessed during DMS for the proposed laying of water supply transmission main along James Long Sarani for the contract package Tr-2/WS 24 under Project 2. Careful execution of subproject component is proposed to minimize impacts to road users and traffic, and save costs involved in road repair. The proposed civil work is within the available ROW on the eastern flank of James Long Sarani. The eastern flank of the road will face some traffic disruptions during implementation, while the western flank will remain open. The road will not require full closure, and access to all properties/structures along the road will be ensured by the contractor. Phasing of proposed sewerage works under TR-2 SD12 and water supply works under TR-2 WS24 along James Long Sarani will be carefully undertaken, to minimize disruptions.

14. All civil works proposed under the subproject are within the ROW of the road owned by the Public Works Department (PWD) Alipore Division, Government of West Bengal. The PMU will be required to obtain the no objection certificate from PWD before start of civil work under the package. No additional land will be required for the proposed subproject and no structure will be affected due to the civil work undertaken for the laying of the pipeline.

15. Prior notice will be given to the community before start of civil work. No incidents of tree cutting and minimal utility shifting is assessed during DMS as a result of proposed

subproject components. The following Google Earth map depicts the proposed water supply transmission main alignment along James Long Sarani.

Figure 1: Google Earth Map Depicting Proposed Subproject Components under TR-2/WS24



Source: Design and Supervision Consultant, KEIIP

V. GRIEVANCE REDRESS MECHANISM

16. A common grievance redress mechanism (GRM) has been established for social, environmental or any other subproject related grievances.

17. Grievance Redress Process: PMU maintains a Complaint Cell at KEIIP office, located at 206 A J C Bose Road Kolkata 700017 headed by a designated Grievance Redress Officer, which is currently officiated by the Administrative Officer under Project Director of KEIIP. The Complaint Cell located at different KMC Borough offices (for this package Borough XIV is serving as the Complaint Cell) will also serve as Public Information Centers, where, apart from grievance registration, information on the Project, subprojects, social and environmental safeguards, etc can be provided.

18. At every Borough Office of KMC under which the civil works are in progress, a drop box has been kept to receive and complaints and suggestions from the community people. At

Contractors' site offices, complaint and suggestion register have been made available for lodging any complaints. The concerned Executive Engineers of KEIIP monitor these registers during their site visits and if possible take necessary actions for redressal of minor complaints with intimation to the complainant.

19. The Grievance Registration / Suggestion Form are available at the Complaints Cell and in Borough Offices and will also be downloadable from the KEIIP/KMC websites. Grievances / suggestions of affected persons can be dropped into suggestion boxes or conveyed through phone or mail. Affected Persons will also be able to register grievances - social, environmental or other, personally at the Complaint Cell and at Borough offices of KMC.

20. All complaints (unresolved at local site / Borough level) relating to KEIIP are to be sent to the project Director, KEIIP including those received in the KMC/KEIIP website for redress. The Grievance Redress Officer is responsible to resolve simple unresolved issues and in case of complicated issues, consult/seek the assistance of the Environment/Social Specialist of the DSC/PMU. Grievances not redressed through this process within one month of registration will be brought to the notice of the Project Director, KEIIP. Action taken in respect of all complains will be communicated to the complainant by letter, over phone or e-mail as the case may be.

21. Periodic community meetings with stakeholders have been conducted on regular basis, explaining the Grievance Redress Mechanism of the project. Banners and Posters explaining Grievance Redressal process have been displayed at prominent places of subproject area. People have been informed that they can lodge their complaints at every construction sites or Contractors' site office of respective packages.

22. Grievance Redress Committee (GRC): A PMU level GRC has been constituted by the Project Director to address grievances. Grievances not resolved at borough level are referred to PMU level. However grievances that cannot be resolved at PMU level may be referred to the apex grievance redress committee (GRC).

23. Time period for grievance redress at each level are as follows:

- Site level – 7days
- Borough level – 7days
- GRC – PMU level – 15days
- Apex GRC - 15days

VI. CONCLUSIONS

A. Summary and Conclusions

24. During DMS in January 2019 no involuntary resettlement impacts are assessed at identified sites for the proposed sub-project component under package TR-2 WS24, as the entire alignment is proposed within government road ROW. Some disruption of traffic due to pipe laying activities within the available road ROW is possible, however, this will be mitigated with proper traffic management planning by the contractor, in discussion with local authorities and the community.

B. Actions for PMU/PIU

- (i) To obtain 'No Objection Certificate' from PWD Alipore division for execution of subproject activity, before start of civilwork.

FIELD VISIT PHOTOGRAPHS



Appendix 1: Public Consultation

Summary of Stakeholder Consultation conducted on 11.1.19 at Ward 123 under Package WS- 24 / TR II

Date	Package	Ward / Location	No of Participants	Key issue Discussed
08.01.2019	WS-24/TR II	Janasangjog Karyalaya Ward No 123.	Female- 49 Male- 20 Total- 69	<ol style="list-style-type: none"> 1. Introduction of KEIP as an initiative of Kolkata Municipal Corporation with the financial support of Asian Development Bank for arresting the degradation of environment of Kolkata and adjoining areas specially water logging problem of the area. 2. Necessities of KEIIP. Need and scope of work of KEIIP.Loan component of the ADB, purpose of the loan for lying main trunk sewer only. 3. Both sewerage and drainage and water supply projects divided into separate work packages have been proposed under multi tranche facilities of KEIIP. 4. Careful design by the expert team of design engineers has reduced the scope of any minor impacts during implementation phase. 5. The proposed water supply package WS – 24 will supply clear waterfrom Junction of James Long Sarani to Daspara near existing Pumping Station along James Long Sarani. 6. All grievances will be addressed throughthe Project Grievance Redress Mechanism within the stipulated time.



Signature sheet of the participants

Participation Sheet

KOLKATA ENVIRONMENTAL IMPROVEMENT INVESTMENT PROGRAM (KEIP)

Participation Sheet of Community Consultation Event

Ward: 123 Date: 26.01.2019 Time: 11:45 a.m.

Venue: JANAKANTO KARJALY (WARD-123)

Sl No.	Name and Address	Contact No.	Gender	Signature
1	BARNALI SENGUPTA 495/A KAILASH GHOSH ROAD, SOLIKATA - 700098	8013663955	F	Barnali Sen
2	PARNA DUTTA DEY 44B, CHANDI CHARAN GHOSH ROAD, KOL-8	967908087	F	Parna Dey
3	TINKU BASU 381/1, BOST TANK ROAD KOL-8	965177855	F	Tinku Basu
4	KANKI DUTTA 205, BHUBAN MOHAN ROY ROAD KOL-8	974819928	F	Kanki Dutta
5	THUMKI CHANDRA 70, KANCHANDEBA TALLY KOL-8	983134287	F	Thumki Chandra
6	BARANI CHATTERJEE 13A, MATILAL GUPTA ROAD KOL-8	907859344	F	Barani Chatterjee
7	SHIBHAR GHOSH 11, KAILASH GHOSH ROAD KOL-8	967909682	F	Shibhar Ghosh
8	RUPA DAS 20/16, D.M. ROAD KOL-8	798047771	F	Rupa Das
9	SUTAPA DAS 57/27, SANTOSH ROY ROAD KOL-8	807370099	F	Sutapa Das
10	SIMA ROY 85/9, KAILASH GHOSH ROAD KOL-8	890834864	F	Sima Roy
11	SEMA BOLL 1/1, SARAT CHANDRA ROAD KOL-8	99903048	F	Sema Boll

KEIP

KOLKATA ENVIRONMENTAL IMPROVEMENT INVESTMENT PROGRAM (KEIP)

Participation Sheet of Community Consultation Event

Ward: 123 Date: 27.01.2019 Time: 11:45 a.m.

Venue: JANAKANTO KARJALY (WARD-123)

Sl No.	Name and Address	Contact No.	Gender	Signature
12	TUNNA MARIJA 81/9D, SARAT CHANDRA ROAD KOL-8	916365954	F	Tunna Marija
13	SWAPNA PAL 7A, CHANDI CHARAN GHOSH ROAD, KOL-8	8017377535	F	Swapna Pal
14	MINY SARANTA 6, CHANDI CHARAN GHOSH ROAD, KOL-8	965107658	F	Miny Saranta
15	CHANDANA BARKAR 103 BHUBAN MOHAN ROY ROAD KOL-8	607096346	F	Chandana Barkar
16	JAYABREE BANERJEE 11/1, BHUBAN MOHAN ROY ROAD KOL-8	8961365231	F	Jayabree Banerjee
17	CHILMAN CHATTERJEE 60, D. M. ROAD KOL-8	914953032	F	Chilman Chatterjee
18	MAHESWARI CHATTERJEE 10/3, B. M. ROY ROAD, KOL-8	767100411	F	Maheswari Chatterjee
19	BIPRA MATHUR 24, B. M. ROY ROAD, KOL-8	9830037254	F	Bipra Mathur
20	JUNA DAS 24, B. M. ROY ROAD, KOL-8	974803388	F	Juna Das
21	DEBBI CHATTERJEE 1/1, B. M. ROY ROAD, KOL-8	916334 53268	F	Debbi Chatterjee
22	GITALI MUKHARJEE C.C. GHOSH ROAD, KOL-8	80795573	F	Gitali Mukharjee

KEIP

KOLKATA ENVIRONMENTAL IMPROVEMENT INVESTMENT PROGRAM (KEIP)

Participation Sheet of Community Consultation Event

Ward: 123 Date: 04/01/2019 Time: 11:45 AM

Venue: JANAKANTO KARJALY (WARD-123)

Sl No.	Name and Address	Contact No.	Gender	Signature
23	KANCHAN DEY 13, B. M. ROY ROAD, KOL-8	879253713	F	Kanchan Dey
24	ANIMA SENGUPTA 11, KAILASH GHOSH ROAD, KOL-8	968115894 824292773	F	Anima Sengupta
25	MITALI NATH 71/1, SANTOSH ROY ROAD, KOL-8	6431242197 713195048	F	Mitali Nath
26	ANIMA SENGUPTA 305, SANTOSH ROY ROAD, KOL-8	7007774 385	F	Anima Sengupta
27	MAHESWARI CHATTERJEE 45/B, SANTOSH ROY ROAD, KOL-8	9831493 895	F	Maheswari Chatterjee
28	GEORGINA CHATTERJEE 319/2, SANTOSH ROY ROAD, KOL-8	983615 7958	F	Georgina Chatterjee
29	MAHESWARI CHATTERJEE 31, VIDYA CANTONMENT, KOL-8	9699911 706	F	Maheswari Chatterjee
30	BARANI CHATTERJEE 6, VIDYASAGAR PARK, KOL-8	7899771 348	F	Barani Chatterjee
31	VAPOSI DAS 5, VIDYA CANTONMENT, KOL-8	9831386 505	F	Vaposi Das
32	MAHESWARI CHATTERJEE P.R. ROAD, KOL-8	9831739 738	F	Maheswari Chatterjee
33	ARUNA DAS 909, B. M. ROY ROAD, KOL-8	79488387 34	F	Aruna Das

KEIP

KOLKATA ENVIRONMENTAL IMPROVEMENT INVESTMENT PROGRAM (KEIP)

Participation Sheet of Community Consultation Event

Ward: 123 Date: 05/01/2019 Time: 11:45 AM

Venue: JANAKANTO KARJALY (WARD-123)

Sl No.	Name and Address	Contact No.	Gender	Signature
34	KANCHAN DEY 85, CHANDI CHARAN GHOSH ROAD, KOL-8	943311810	F	Kanchan Dey
35	MAHESWARI CHATTERJEE 61/C, SANTOSH ROY ROAD, KOL-8	990325395	F	Maheswari Chatterjee
36	ANIMA SENGUPTA 249, SANTOSH ROY ROAD, KOL-8	81952148	F	Anima Sengupta
37	RINKI GHOSH 11/2, KAILASH GHOSH ROAD, KOL-8	80782887	F	Rinki Ghosh
38	SILKHA GANGULY 57/1/1, SANTOSH ROY ROAD, KOL-8	9123098922	F	Silkha Ganguly
39	BARANI CHATTERJEE 70/1, SANTOSH ROY ROAD, KOL-8	810040048	F	Barani Chatterjee
40	MAHESWARI CHATTERJEE 11/2, SANTOSH ROY ROAD, KOL-8	980780046	F	Maheswari Chatterjee
41	ANIMA SENGUPTA 12/1/3, P. M. J. ROAD, KOL-8	947348346	F	Anima Sengupta
42	ANIMA SENGUPTA 93/11, SANTOSH ROY ROAD, KOL-8	983143376	F	Anima Sengupta
43	RUPA DAS 85, PRAGATI ROY ROAD, KOL-8	750750684	F	Rupa Das
44	BARANI CHATTERJEE 72/8, PRAGATI ROY ROAD, KOL-8	785790841	F	Barani Chatterjee

KEIP

