

Environmental Monitoring Report

Project No. 49329-007
Semi-Annual Report (June-November 2021)
February 2022

Bangladesh: Khulna Sewerage System Development Project

Prepared by the Khulna Water Supply and Sewerage Authority (KWASA) for the Asian Development Bank.

This environmental monitoring 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.

In preparing any country program or strategy, financing any project, or by making any designation of or reference to a particular territory or geographic area in this document, the Asian Development Bank does not intend to make any judgments as to the legal or other status of any territory or area.

Environmental Monitoring Report

1st SEMR

Project Number: 49329-007 / 2021

ADB Loan No.: 49329-BAN: Khulna Sewerage System Development Project

KHULNA WATER SUPPLY AND SEWERAGE AUTHORITY (KWASA)



Country: Bangladesh: Khulna Sewerage System Development Project

Reporting Period: June 2021 – November 2021

Prepared by KSSDP, KWASA for the Asian Development Bank.

This environmental monitoring 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.

In preparing any country program or strategy, financing any project, or by making any designation of or reference to a particular territory or geographic area in this document, the Asian Development Bank does not intend to make any judgments as to the legal or other status of any territory or area.

CURRENCY EQUIVALENTS

(as of 31 May 2021)

Currency unit – Bangladesh Taka (Tk.)

Tk1.00 = \$0.01179

\$1.00 = Tk. 84.80

ABBREVIATIONS

ADB – Asian Development Bank
AAQ – ambient air quality
BDT – Bangladesh Taka
BNBC – Bangladesh National Building Code
BOD – biochemical oxygen demand
BOQ – bill of quantities
CEO – Chief Executive Officer
COD – chemical oxygen demand
DDR – Due Diligence Reports (DDRs)
DO – dissolved oxygen
DOE – Department of Environment
DPHE – Department of Public Health Engineering
EA – executing agency
EIA – environmental impact assessment
ECA – Environmental Conservation Act
ECR – Environmental Conservation Rules
ECC – environmental clearance certificate
EMP – environmental management plan
FSTP – fecal sludge treatment plant
GOB – Government of Bangladesh
GRC – grievance redress committee
GRM – grievance redress mechanism
IADC – institutional development, awareness creation
and design consultants
IEE – initial environmental examination
KwASA – Khulna Water Supply and Sewerage Authority
LGED – Local Government Engineering Department
NGO – nongovernment organization
NOC – no objection certificate
O&M – operation and maintenance
PMU – project management unit
PMSC – project management and supervision consultant
REA – rapid environmental assessment
ROW – right of way
SCADA – supervisory control of administrative data
Acquisition
SPS – safeguard policy statement
STP – sewage treatment plant
WHO – World Health Organization

WEIGHTS AND MEASURES

| | |
|----------------|---------------------------|
| °C | degree centigrade |
| dB | Decibels |
| dia | diameter |
| kg | kilo gram |
| Kl | kilolitre |
| km | kilometre |
| kmph | kilometre per hour |
| ha | hectares |
| HP | Horse Power |
| LPCD | liters per capita per day |
| lps | liters per second |
| m | meter |
| m ³ | Cubic meter |
| mg | milli gram |
| mm | milli meter |
| mcm | million cubic meters |
| sq.km | Square Kilometer |

NOTE{S}

In this report, "\$" refers to United States dollars.

TABLE OF CONTENTS

| | |
|--|----|
| INTRODUCTION | 4 |
| A. Project Name: Khulna sewerage system Development Project | 4 |
| B. Project Outputs and Outcome | 4 |
| C. Environmental Category | 5 |
| D. About this Report | 5 |
| PROJECT IMPLEMENTATION ARRANGEMENTS | 7 |
| PROJECT IMPLEMENTATION STATUS | 11 |
| COMPLIANCE STATUS WITH STATUTORY ENVIRONMENTAL REQUIREMENTS | 13 |
| A. Status of Clearances | 13 |
| B. Compliance with Clearance Conditions | 13 |
| COMPLIANCE WITH LOAN COVENANTS | 14 |
| A. Loan Covenants | 14 |
| B. Preparation and Approval of Environmental Assessment Reports | 16 |
| C. Status of Disclosure of Safeguard Documents | 18 |
| D. Safeguards in Bid Documents and Contracts | 19 |
| STATUS OF EMP IMPLEMENTATION | 19 |
| A. Preparation of Site Environmental Management Plan | 19 |
| B. EMP Implementation Supervision and Monitoring | 20 |
| C. Contractors Compliance with Statutory and Contractual Requirements | 20 |
| D. Implementation of EMP Measures and Compliance Status | 21 |
| E. Findings on EMP Compliance | 43 |
| F. Implementation of Health and Safety COVID-19 Plan | 43 |
| G. Best practices / environment improvement activities | 43 |
| ENVIRONMENTAL MONITORING | 45 |
| A. Environmental Quality Monitoring | 45 |
| B. Monitoring Results | 46 |
| TRAINING AND CAPACITY BUILDING ACTIVITIES | 49 |
| PUBLIC CONSULTATION | 50 |
| GRIEVANCE REDRESS | 52 |
| A. Grievance Redress Mechanism | 52 |
| B. Complaints Received during Reporting Period | 53 |
| C. GRC Meetings | 54 |
| FINDINGS, KEY ISSUES & REMEDIAL MEASURES | 56 |
| A. Findings | 56 |
| B. Corrective Action Plan | 57 |

LIST OF APPENDICES

| |
|---|
| Appendix 1: Copies of Regulatory Clearances / Approvals |
| Appendix 2: Details of Site Visits conducted by PMC, PIU & PMU Safeguard Staff |
| Appendix 3: Sample EMP implementation checklists, PMC verification reports- Package-wise |
| Appendix 4: Implementation of COVID19 Health & Safety Measures |
| Appendix 5: Monitoring Reports (Air, Noise & Water Testing Lab reports) – package-wise |
| Appendix 6: Details of Training and Capacity Building Programs Conducted |
| Appendix 7: Details of Public Consultations Conducted |
| Appendix 8: Office Orders / Notifications to Set up GRM and GRCs |
| Appendix 9: Public Complaints received during Reporting Period& Previous Pending Complaints |
| Appendix 10: SAUW Environmental Monitoring Report Log Sheet |

INTRODUCTION

A. Project Name: Khulna sewerage system Development Project

1. Provide a brief of the ADB funded project, coverage (towns, sectors), project agencies, implementation period etc.

B. Project Outputs and Outcome

2. The Project outputs are as follows:

Outcome: The project is aligned with the following impact: basic needs of the people Ensured in a sustainable manner without damaging the environment.³ the project will have the Following outcome: management and sustainability of sewerage services in Khulna city improved.⁴

Output 1: Climate-resilient centralized and organized sewerage system for Khulna

City established. The project will support the development of a new sewerage system which will benefit 880,000 people (150,000 households) living in commercial and densely populated Residential areas in Khulna by 2028. The project will establish a centralized sewerage system consisting of a 269-kilometer sewer network, eight pumping stations, two sewage treatment plants(STPs) (52,000 m³ per day and 28,000 m³ per day), and about 27,000 property-level sewerconnections.²⁶ A fecal sludge treatment plant with the capacity to treat 160 m³ per day will be included in one of the STPs for co-treatment, to provide fecal sludge treatment service for about30,000 of these households in central and southern parts of the city where a piped sewer network is not feasible.²⁷ ADB will finance the O&M of the sewer network and pumping stations (for 2years from commissioning date), and the STPs (for 3 years from commissioning date) by qualified contractors to ensure professional operation in the initial years, and transfer O&M skills to KWASA. The project will have an immediate positive impact on the city's environment, enhance its climate and disaster resilience by increasing sewage treatment capacity, provide sanitation solutions for residents in LICs, and open the door to future partnerships with the private sector.

Output 2: Institutional capacity of the Khulna Water Supply and Sewerage Authority

In sewerage service delivery, and community awareness on safe sanitation improved. The physical investments will be complemented by targeted institutional reforms, capacity building, and sustainability enhancement, which will build on ongoing reforms of KWASA (footnote 3). Tonsure sustained delivery of sewage management services, the loan consultants will implement skills development program for the sewerage system using a facility-specific O&M manual, strengthen asset management by installing a supervisory control and data acquisition (SCADA)system, formulate a sewerage tariff policy to ensure that O&M costs are adequately financed by user charges, and strengthen the project management capacity of KWASA to monitor contractor performance and safeguard standards.²⁹ To address future needs for water supply and sewage management services, the project will support the preparation of potential projects³⁰ and identify opportunities for public–private partnerships (PPPs). To improve citywide sanitation and hygiene, the project will support the development of a sustainable and inclusive sanitation plan, and Chand KWASA will jointly conduct public-awareness campaigns on the benefits of sewerage services. ³¹ The project will also support enhancing women's Decision-making capacity and reducing gender inequality through the implementation of the gender action plan (GAP), focusing on women's participation in the planning and implementation of the sewerage system.³²

3. The impact of the project will be monitored &evaluated during Construction

Impact: Basic needs of the People ensured in a sustainable manner without damaging the environment.

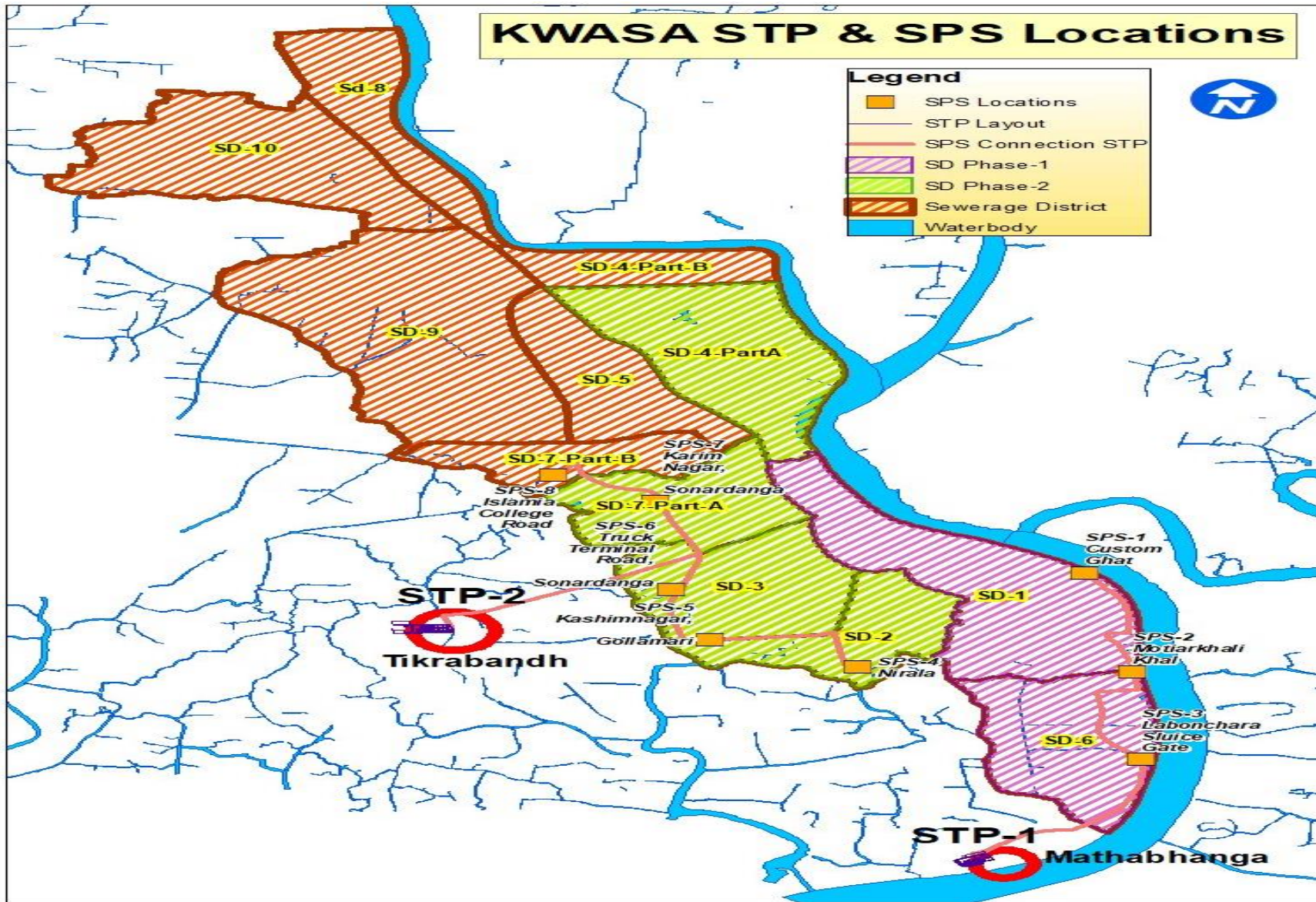
C. Environmental Category

4. KSSDP is classified as Category B according to ADB Safeguard Policy Statement (SPS), 2009 (project components judged to have some adverse environmental impacts, but of lesser degree and/or significance than those for Category A). All subprojects in KSSDP are classified as Category B, and the impacts of all subprojects are assessed through Initial Environmental Examination (IEE) as per ADB SPS, 2009.

D. About this Report

5. This is the Semi-annual Environmental Monitoring Report (SEMR) prepared by KSSDP, KWASA for the monitoring period of June /Year2021 – November/Year 2021. This is the 1SEMR since the loan effectiveness on 01 / 06 / 2021. This SEMR provides the status of project, presents preparation and implementation of environmental management, mitigation and monitoring actions, and reports status of compliance with Environmental Management Plans (EMPs) and loan covenants.

Figure 1: Location of Project Towns



PROJECT IMPLEMENTATION ARRANGEMENTS

6. Briefly describe project implementation arrangements from EA, IA, PMU, and PIUs to consultants and contractors.

- (i) A project management unit (PMU) has established in KWASA and will be supported by Loan consultants on (i) project management and supervision; and (ii) institutional development, Awareness, and design
- (ii) The implementation arrangements are summarized in Table and described in detail in The PAM (footnote 33). The COVID-19 pandemic is not expected to affect implementation Arrangements and cost estimates because (i) the works under the project are labor intensive, requiring a significant number of unskilled and semiskilled labor, which are available in Khulna;
- (iii) The main construction materials are available within the country, limiting dependency on global Supply chains; and
- (iv) the 7-year implementation period and cost estimates provide adequate Cushion for potential delays.

Project Implementation Arrangements

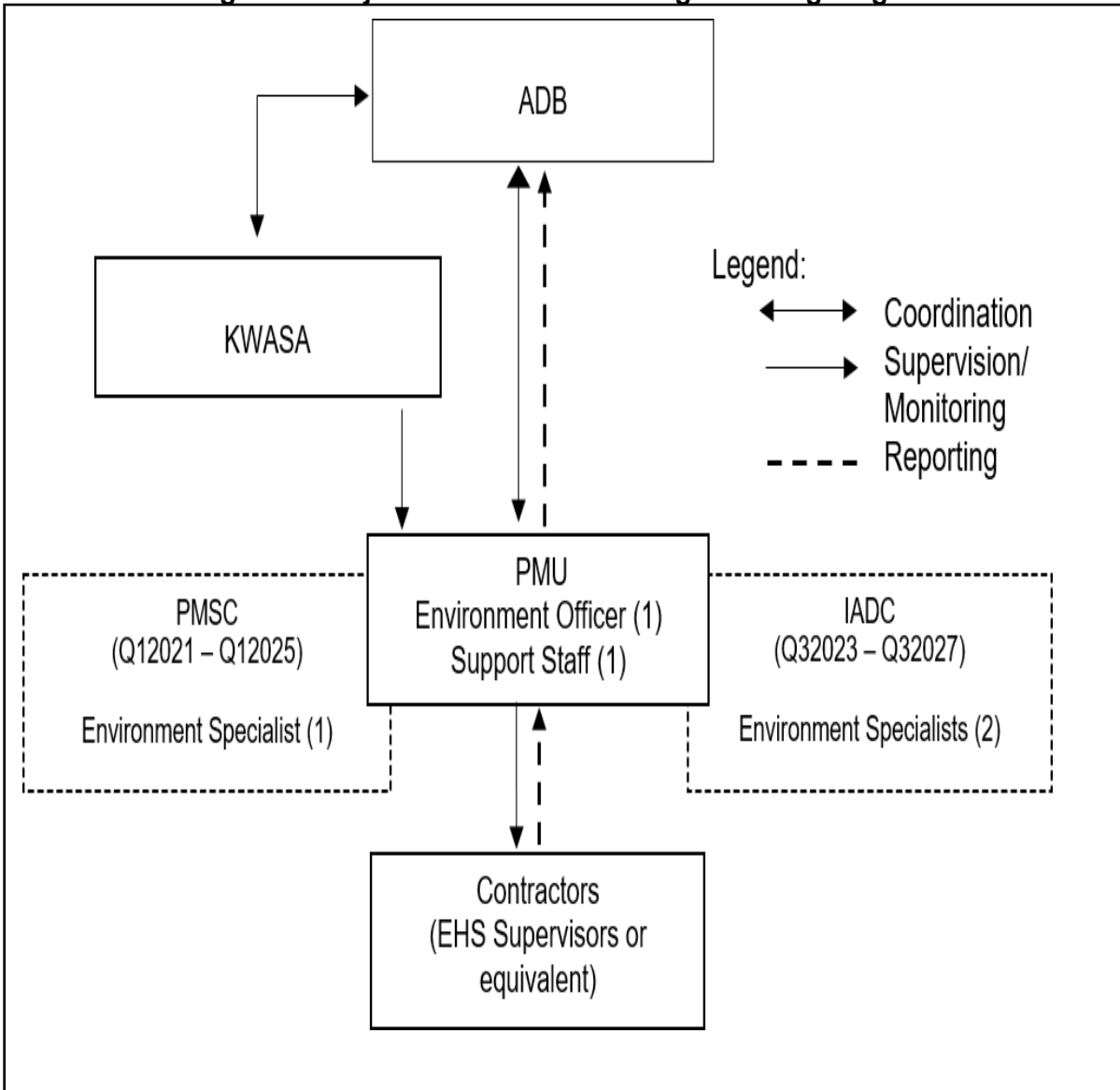
| Aspects | Arrangements | | |
|--|--|-------------------|------------------|
| Implementation period | November 2020–December 2027 | | |
| Estimated completion date | 31 December 2027 | | |
| Estimated loan closing date | 30 June 2028 | | |
| Management | | | |
| (i) Oversight body | Interministerial project steering committee Secretary, LGD under MLGRDC (chair) Representatives of LGD, Planning Commission and Implementation Monitoring and Evaluation Division under the Ministry of Planning, Economic Relations Division and Finance Division under the Ministry of Finance, Department of Environment under the Ministry of Environment and Forest, KCC, and KWASA (members) | | |
| (ii) Sponsoring ministry | LGD | | |
| (iii) Executing agency | KWASA | | |
| (iv) Key implementing agency | KWASA | | |
| (v) Implementation unit | Project management unit, 29 staff | | |
| Procurement | Open competitive bidding (internationally advertised) | 4 contracts | \$195.94 million |
| | Open competitive bidding (nationally advertised) | 3 contracts | \$1.25 million |
| | Request for quotations | 1 contract | \$0.02 million |
| Consulting services | PMSC–QCBS (90:10) | 569 person-months | \$8.50 million |
| | IADC–QCBS (90:10) | 456 person-months | \$7.38 million |
| Retroactive financing and/or advance contracting | Advance contracting will be used to recruit consultants and procure works. Retroactive financing of up to 20% of the loan amount will apply for the above contracts and the establishment and operation of the project management unit incurred before loan effectiveness but not earlier than 12 months before its signing. | | |
| Disbursement | The loan proceeds will be disbursed following ADB's <i>Loan Disbursement Handbook</i> (2017, as amended from time to time) and detailed arrangements agreed between the government and ADB. | | |

8

7. **Safeguards Implementation Arrangements.**

8. Figure 3 shows the project safeguard implementation arrangements.

Figure 2: Project Environmental Safeguards Organogram



ADB = Asian Development Bank, EHS = environmental, health and safety, IADC = institutional development, awareness creation and design consultants, KWASA = Khulna Water Supply and Sewerage Authority, PMSC = project management and supervision consultant, PMU = project management unit.

Table 1: Project Environmental Safeguards Team

| S. No | Position | Office | Name | Contact number | Email / Remarks |
|--------------------|--|--------|-------------------------|------------------|--|
| PMU | | | | | |
| 1 | Executive Engineer | KWASA | Md. Kamal Hossain, PEng | +88 01749562200 | kamal7e@gmail.com |
| 2 | Environmental Safeguard Officer | KWASA | Md. Ekball Hossain | +880 01779177655 | ekball9484@gmail.com |
| PIU | | | | | |
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| PMSC | | | | | |
| 1 | | | | | Environmental specialist is proposed in the contract of PMSC. However, PMSC asked to replace the expert with a new expert. The process is ongoing. |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| Contractors | | | | | |
| 1 | China Geo- Engineering Corporation (CGC) | KHULNA | Ai Peng | | Email: 495010944@qq.com SN-1 , Awarded Mobilization of the contractor's EHS supervisor for SN-1 and SN-2 will be on 31 March |

| S. No | Position | Office | Name | Contact number | Email / Remarks |
|-------|--|--------|---------|----------------|--|
| | | | | | 2022 and 30 April 2022, respectively. |
| 2 | China Geo- Engineering Corporation (CGC) | KHULNA | Ai Peng | | Email: 495010944@qq.com SN-2, will be awarded end of january-22 Mobilization of the contractor's EHS supervisor for SN-1 and SN-2 will be on 31 March 2022 and 30 April 2022, respectively. |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |

PROJECT IMPLEMENTATION STATUS

9. Provide a brief of all subprojects, and packages in the project, and summarize status of subproject/packages in preparation, detailed design, bidding, awarded, construction, operation etc., Details of all subprojects / packages, type of bid/contract and current status of implementation of packages is presented in the **Table 2**, and detailed implementation progress of each of the awarded packages are given in **Table 3**.

No construction activity has started for the awarded package (SN-1) but survey & mobilization works only.

Table 2: Status of All Subprojects / Packages

| Package/ Subproject | Subproject / Package components | PIU | Current Status | Bid / contract type |
|--|---|-----|--|---------------------------|
| Name of Works: Construction of sewer Network including pumping station & service connection Package No : (KWASA/KSSDP/S N-1) | Construction of 124 km Sewage Collection Network, Gravity Mains and Sewage Pumping Stations (3 locations) at Khulna city (SD1 and SD6) | | Contact awarded | Works |
| Name of Works: Construction of sewer Network including pumping station & service connection Package No : (KWASA/KSSDP/S N-2) | Construction of 145 km Sewage Collection Network, Gravity Mains and Sewerage Pumping Stations (5 locations) at Khulna city (SD2, SD3, part of SD4 and part of SD7). | | CCGP has been approved on 20.12.2021 & The Government order Issued on 06.01.2022 | Works |
| Name of Works: Construction of Two sewage treatment plant including Fecal sludge treatment plant. Package No : (KWASA/KSSDP/S TP) | Construction of Sewage Treatment Plants (STP-1 and STP-2). The capacity of the sewage treatment plant STP-1 is 28 MLD will be constructed on Labanchora in the southern fringe of Khulna and STP-2 will have the capacity of 52 MLD and situated beside the Khulna - Satkhira Road in Tikraband. Wet land Having capacity 160 m3/day will be constructed to facilitate the co-treatment of faecal sludge (non-sewer) through STP-1. | | The evaluation process (Bidding Process) is under process. | Works |

Table 3: Implementation Status of Awarded Subprojects / Packages

| Package | Package status 1. Date of Award 2. Date of mobilization 3. Scheduled completion 4. Duration 5. Contractor | Design progress to date | Construction progress to date | Components completed to date | Works conducted during the reporting period |
|--|--|-------------------------|-------------------------------|------------------------------|---|
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No : KWASA/KSSDP/SN-1) | 1. 27.05.2021 2. 13.09.2021 3. 11.09.2024 4. 3 Years 5. China Geo Engineering Corporation. | 100% | 0% | None | No construction activity has started for the awarded package (SN-1) but survey & mobilization works only. |
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No : KWASA/KSSDP/SN-2) | <ul style="list-style-type: none"> • CCGP has been approved on 20.12.2021 | | | | |
| Name of Works: Construction of two Sewage Treatment plant including faecal Sludge Treatment plant (Package No : KWASA/KSSDP/STP) | <ul style="list-style-type: none"> • The evaluation (Bidding Process) is under process/ ongoing for #KWASA/KSSDP/STP. | | | | |

COMPLIANCE STATUS WITH STATUTORY ENVIRONMENTAL REQUIREMENTS

A. Status of Clearances

10. Briefly describe the statutory clearance/approval requirements of the subprojects (refer IEEs/SEMPs.). Detailed status of each clearance/permission is provided in **Table 4**. Copies of clearances/permissions attached in **Appendix 1**.

Table 4: Status of Statutory Clearances

| Package / Subproject | List of Clearances / permission required | Status | Validity period | Remarks |
|---|--|--------------------|-------------------|---|
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No: KWASA/KSSDP/SN-1) | Environmental Clearance Certificate | 1. Applied for ECC | Yearly Renewal | Updates on the status of ECC issuance will be provided in the next SEMR. The ECC will cover all project components (SN-1, SN-2 and STPs). KCC approved for road cutting permits |
| | Road Cutting Permit KCC | 2. Approved | 1. No validity | |
| | Road Cutting Permit from RHD | 3. Not applied yet | 2. No validity | |
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No: KWASA/KSSDP/SN-2) | Environmental Clearance Certificate | 1. Applied for ECC | 1. Yearly Renewal | |
| | Road Cutting Permit KCC | 2. Approved | 2. No validity | |
| | Road Cutting Permit from RHD | 3. Not applied yet | 3. No validity | |
| Name of Works: Construction of two Sewage Treatment plant including faecal Sludge Treatment plant (Package No : KWASA/KSSDP/STP) | 1. NOC from DOE | 1. Received | 1. No validity | |
| | 2. Environmental Clearance Certificate | 2. Applied for ECC | 2. Yearly Renewal | |
| | 3. Road Cutting Permit KCC | 3. Approved | 3. No validity | |
| | 4. Road Cutting Permit from RHD | 4. Not applied yet | 4. No validity | |
| | 5. Fecal sludge management permit from KCC | 5. Approved | 5. No validity | |

B. Compliance with Clearance Conditions

11. Following **Table 5** provides a summary of clearance / consent conditions specified by statutory agencies that are required to be complied with and/or monitored during implementation and/or operation, and the status of compliance.

Table 5: Conditions of Clearances

| Package | Clearance / Permission | Conditions of Clearance / Permission | Status of Compliance |
|--|--|---|--|
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No : KWASA/KSSDP/SN-1) | ECC from DOE KCC Approval RHD Approval | <ul style="list-style-type: none"> • Yet to received | |
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No : KWASA/KSSDP/SN-2) | ECC from DOE KCC Approval RHD Approval | <ul style="list-style-type: none"> • Yet to received • Received (See Appendix 1, Letter from KCC) | KCC complied |
| Name of Works: Construction of two Sewage Treatment plant including faecal Sludge Treatment plant (Package No : KWASA/KSSDP/STP) | NOC From DOE ECC from DOE | <ul style="list-style-type: none"> • Received (See Appendix 1) • Yet to received | NOC from DOE complied (ECC will be complied) |

COMPLIANCE WITH LOAN COVENANTS**A. Loan Covenants**

12. Status of compliance with environmental safeguard related loan covenants is given in the below **Table 6**. Project is being implemented in compliance with all the covenants.

Table 6: Status of Compliance with Loan Covenants

| No. (List schedule and paragraph number of Loan Agreement) | Covenant | Status of Compliance | Action Required |
|--|--|--|----------------------------|
| Schedule 4 para 7 & 8 | Conditions for Award of Contract The Borrower shall not award any Works contract which involves environmental impacts until: <ol style="list-style-type: none"> the DOE has granted the final approval of the IEE; and KWASA has incorporated the relevant provisions from the EMP into the Works contract. | Being complied | EC application is ongoing. |
| Schedule 5 para 6 | Environment: The Borrower shall ensure or cause KWASA to ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project and all Project facilities comply with (a) all applicable laws and regulations of the Borrower relating to environment, health and safety; (b) the Environmental Safeguards; and (c) all measures and requirements set forth in the IEE, the EMP, and any corrective or preventative actions set forth in a Safeguards Monitoring Report. | Being complied EMP's are yet to be prepared | EC application is ongoing. |

| No. (List schedule and paragraph number of Loan Agreement) | Covenant | Status of Compliance | Action Required |
|--|---|----------------------|---|
| Schedule 4 | <p>Human and Financial Resources to Implement Safeguards Requirements The Borrower shall make available or cause KWASA to make available necessary budgetary and human resources to fully implement the EMP and the RP.</p> | Being complied. | The PMU has designated an Environmental Officer consistent with the PAM |
| Schedule 4 | <p>Safeguards – Related Provisions in Bidding Documents and Works Contracts The Borrower shall ensure or cause KWASA to ensure that all bidding documents and contracts for Works contain provisions that require contractors to:</p> <ul style="list-style-type: none"> a). comply with the measures relevant to the contractor set forth in the IEE, the EMP and RP (to the extent they concern impacts on affected people during construction), and any corrective or preventative actions set forth in a Safeguards Monitoring Report; b) make available a budget for all such environmental and social measures; c) provide the Borrower with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEE, the EMP and the RP; d) adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and e) Reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction. | Being complied | |
| Schedule 4 | <p>Safeguards Monitoring and Reporting The Borrower shall do the following or cause KWASA to do the following:</p> <ul style="list-style-type: none"> a) submit semi-annual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission; b) if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEE, the EMP and the RP, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan; c) report any actual or potential breach of compliance with the measures and | Being complied | It is understood that B and C are not applicable for the period since construction has not yet started. |

| No. (List schedule and paragraph number of Loan Agreement) | Covenant | Status of Compliance | Action Required |
|--|--|----------------------|-----------------|
| | requirements set forth in the EMP and the RP promptly after becoming aware of the breach | | |
| Schedule 5 | <p>Prohibited List of Investments The Borrower shall ensure that no proceeds of the Loan are used to finance any activity included in the list of prohibited investment activities provided in Appendix 5 of the SPS.</p> | Being complied | |
| Schedule 4 Labor Standards, Health and Safety | <p>The Borrower will ensure that the core labor standards and the Borrower's applicable laws and regulations are complied with during Project implementation. The Borrower will include specific provisions in the bidding documents and contracts financed by ADB under the Project requiring that the contractors, among other things:</p> <ul style="list-style-type: none"> (a) comply with the Borrower's applicable labor law and regulations and incorporate applicable workplace occupational safety norms; (b) do not use child labor; (c) do not discriminate workers in respect of employment and occupation; (d) do not use forced labor; (e) allow freedom of association and effectively recognize the right to collective bargaining; and (f) disseminate, or engage appropriate service providers to disseminate information on the risks of sexually transmitted diseases, including HIV/AIDS, to the employees of contractors engaged under the Project and to members of the local communities surrounding the Project area, particularly women. <p>The Borrower shall strictly monitor compliance with the requirements set forth in paragraph 17 above and provide ADB with regular reports.</p> | Being complied | |

B. Preparation and Approval of Environmental Assessment Reports

13. **Subproject Category.** Briefly describe overall project category, and subprojects in category B, and category C (if any).

14. Package-wise status of preparation, submission, and approval of IEE Reports of Category B subprojects, and Due Diligence Reports (DDRs) of Category C subprojects are presented in **Table 7 and Table 8.**

Table 7: Status of IEEs

| Package Number | Bid type | Package Status | Draft IEE submitted to ADB | Draft IEE cleared by ADB | Updated IEE submitted to ADB | Updated IEE cleared by ADB | Remarks |
|---|----------|--|----------------------------|--------------------------|------------------------------|----------------------------|--|
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No: KWASA/KSSDP/SN-1) | Works | Awarded | Yes | Yes | Yes | Yes | Draft IEE (Aug 2020) and Updated IEE (May 2021) are cleared and disclosed in ADB website. |
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No: KWASA/KSSDP/SN-2) | Works | Will be awarded end of January-22 | Yes | Yes | Yes | Yes | The IEE-EMPs will be updated in case of change in design/based on detailed design and will be submitted to ADB for clearance and disclosure. |
| Name of Works: Construction of two Sewage Treatment plant including faecal Sludge Treatment plant (Package No: KWASA/KSSDP/STP) | Works | Evaluation (Bidding Process) under process | Yes | Yes | Yes | Yes | |

Table 8: Status of DDRs (Not applicable)

| Package Number | Bid type | Package Status | Draft DDR submitted to ADB | Draft DDR cleared by ADB | Updated DDR submitted to ADB | Updated DDR cleared by ADB |
|---|----------|----------------|----------------------------|--------------------------|------------------------------|----------------------------|
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No : KWASA/KSSDP/SN-1) | Works | | | | | |
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No : KWASA/KSSDP/S-2) | Works | | | | | |
| Name of Works: Construction of two Sewage Treatment plant including faecal Sludge Treatment plant (Package No : KWASA/KSSDP/STP) | Works | | | | | |

C. Status of Disclosure of Safeguard Documents

15. The project IEE has been updated and disclosed on the website of the ADB as well as KWASA. Status of disclosure of safeguard documents presented in the following Table 9. All the documents have been disclosed on ADB and Project/PMU websites

Table 9: Status of Disclosure of IEEs

| Package Number | Draft Disclosed on ADB website | Draft Disclosed on Project website | Updated /Final Disclosed on ADB website ¹ | Updated /Final Disclosed on Project website ² |
|--|--------------------------------|------------------------------------|--|--|
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No : KWASA/KSSDP/SN-1) | Yes | Yes | Yes | Yes |
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No : KWASA/KSSDP/S-2) | Yes | Yes | Yes | Yes |
| Name of Works: Construction of two Sewage Treatment plant including faecal Sludge Treatment plant (Package No : KWASA/KSSDP/STP) | Yes | Yes | Yes | Yes |

¹ <https://www.adb.org/projects/documents/ban-49329-007-iee-0>

² <https://www.kwasa.org.bd/kwasa/en/PdfViewer.aspx?Status=Tender&ID=18>

D. Safeguards in Bid Documents and Contracts

16. Safeguard provisions are duly included in the bid documents / contracts, and these are followed uniformly across all the bids and contracts. Following Table shows package-wise details.

Table 10: Status of Disclosure of IEEs / DDRs

| Package Number | Type of Bid / Contract | Bid / Contract Clauses related to environment, health and safety; labour standards | IEE / EMP included in Bid / contract |
|---|------------------------|--|--------------------------------------|
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No: KWASA/KSSDP/SN-1) | Works | Yes | Yes |
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No: KWASA/KSSDP/S-2) | Works | Yes | Yes |
| Name of Works: Construction of two Sewage Treatment plant including faecal Sludge Treatment plant (Package No: KWASA/KSSDP/STP) | Works | Yes | Yes |

STATUS OF EMP IMPLEMENTATION

A. Preparation of Site Environmental Management Plan

17. Preparation and submission of Site-specific Environmental Management Plan (SEMP) and Health and Safety Plan (HSP) including Health & Safety COVID-19 Plan by contractor and approval of PMU is a requirement prior to commencement of works. Details of awarded packages are presented in the following Table.

Table 11: Status of SEMPs

| Package Number | Contractor | Current Status | Status of SEMPs | Status of HSP | Remarks |
|--|-----------------------------------|----------------|-----------------|---------------|----------------|
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No: KWASA/KSSDP/SN-1) | China Geo Engineering Corporation | | | | Yet to prepare |
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No: KWASA/KSSDP/S-2) | | | | | Yet to prepare |
| Name of Works: | | | | | Yet to prepare |

| Package Number | Contractor | Current Status | Status of SEMP | Status of HSP | Remarks |
|--|------------|----------------|----------------|---------------|---------|
| Construction of two Sewage Treatment plant including faecal Sludge Treatment plant (Package No: KWASA/KSSDP/STP) | | | | | |

B. EMP Implementation Supervision and Monitoring

18. Although only one (01) package awarded however no construction work yet been started. Package-wise status is presented in the below **Table 12**, and details of site visits conducted by safeguard staff is given in **Appendix 2**.

Table 12: Status of EHS Staff, SEMP Preparation and Monitoring

| Package Number | Current Status | Contractor EHS Supervisor Appointed & Mobilized on Site | Monthly EMP implementation reports submitted by contractor | Site Monitoring/ Verification Conducted by PMC | Remarks |
|--|----------------|---|--|--|---------------------------------|
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No: KWASA/KSSDP/SN-1) | Will be hired | Will be appointed and mobilized | Will be implemented | Will be updated in the next SEMR | Will submitted in the next SEMR |
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No: KWASA/KSSDP/S-2) | Will be hired | Will be appointed and mobilized | Will be implemented | | |
| Name of Works: Construction of two Sewage Treatment plant including faecal Sludge Treatment plant (Package No: KWASA/KSSDP/STP) | Will be hired | Will be appointed and mobilized | Will be implemented | | |

C. Contractors Compliance with Statutory and Contractual Requirements

19. Following table shows the compliance with statutory requirements in terms of obtaining licenses, permissions, clearances and insurance coverage etc., required to conduct construction work.

Table 13: Status of EHS Staff, SEMP Preparation and Monitoring

| Requirement | Package No : KWASA/KSSDP/SN-1 | KWASA/KSSDP/S- 2 | Package No : KWASA/KSSDP/STP) |
|---|--|--------------------------------|----------------------------------|
| | Contractor name: China Geo-Engineering Corporation | Contractor name | Contractor name |
| | status | Validity | Status Validity |
| Labour license | Contractor have trade/business licence. | Available | |
| Workmen compensation policy | Complied | Complied | - - |
| Contractor all risk insurance | Applied and submit to KWASA soon | Will be available on next SEMR | - - |
| Borrow areas | SD-1 and SD-2 | | - - |
| Pollution control certificate for Construction vehicles & equipment | Most construction vehicles & equipment are brand new. Pollution control will be monitored during construction. | | - - |

D. Implementation of EMP Measures and Compliance Status

20. Implementation of measures as per the approved IEE & EMP / SEMP are reviewed for each package and status is presented in the following Tables. **Table 13** presents the implementation and compliance status of pre-construction stage mitigation measures. **Table 14** presents the implementation and compliance status of construction stage mitigation measures. This compliance is based on the monthly checklists submitted by Contractors and site verification visits and monitoring conducted by PMC, and periodic visits by PIU/PMU safeguard team. Contractor's Monthly EMP Implementation Reports and PMC Site Verification / Monitoring Reports are presented package-wise in **Appendix 3**. For each package one sample monthly report (latest of reporting period) of contractor and one site visit report of PMC is provided in the Appendix.

Table 14: Pre-construction Stage Mitigation Measures: Compliance Status

| Impact / field | Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for Implementation of EMP Measures | | | | | |
|-----------------------------------|---|----------------------------|---|--|------------------------------|--|---------------------------------|--|
| | | | 1. S / Satisfactory - mitigation measures implemented satisfactorily 2. PS / Partially Satisfactory - mitigation measures implemented but requires improvement 3. US / Unsatisfactory - Mitigation measures not implemented / poorly implemented | | | | | |
| | | | Package 1 KWASA/KSSDP/SN— | | Package 2 KWASA/KSSDP/SN— | | Package No : KWASA/KSSDP/STP | |
| Rating | Remarks | Rating | Remarks | Rating | Remarks | | | |
| Land acquisition and resettlement | <p>Impacts: Total of (74.1 decimals of land including 49.42 government land will be required due to construction of Subproject-1, 128.49 decimals land for Subproject-2 and total 3400 decimals of land will be required due to construction of two STPs under Subproject-3 where 7 HHs for Subproject-1, 2HHs for Subproject-2 and 15 HHs will be relocated from the proposed locations. The impact is permanent and significant.</p> <p>Mitigation Measures:</p> <ul style="list-style-type: none"> • All efforts have been made in Sewage Pumping Station design to reduce land acquisition • Developing proper and adequate compensation package for affected persons • Prior to site works, payment of compensation to affected people based on the Resettlement Plan • Impacts on land and assets due to sewer network will be avoided through routing of | DC/PMU/P MSC | | awarded package is at design stage, EMP will be complied/is being complied | | | | |

| Impact / field | Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for Implementation of EMP Measures | | | | | | |
|----------------------------------|--|----------------------------|---|--|--------------------------|---------|------------------------------|---------|--|
| | | | 1. S / Satisfactory - mitigation measures implemented satisfactorily 2. PS / Partially Satisfactory - mitigation measures implemented but requires improvement 3. US / Unsatisfactory - Mitigation measures not implemented / poorly implemented | | | | | | |
| | | | Package KWASA/KSSDP/SN—1 | | Package KWASA/KSSDP/SN—2 | | Package No : KWASA/KSSDP/STP | | |
| | | | Rating | Remarks | Rating | Remarks | Rating | Remarks | |
| | alignments within the available ROW. Temporary impacts, if any, within the ROW will be addressed in accordance with the RP. | | | | | | | | |
| Disruption of Utilities/services | Impacts: Utility lines along the sewer network will have to be moved disrupting services. Mitigation Measures: <ul style="list-style-type: none"> • Provision in the design and budget for the relocation of the existing utility infrastructures, wherever required • Identify and include locations and operators of these utilities in the detailed design documents to prevent unnecessary disruption of services during construction phase • Identify and include locations of water/gas pipes, power/telephone lines and any other infrastructure on the way of pipe line and redesign pipe layout to avoid any damage on such infrastructure; • Require construction contractors to prepare a | Contractor, PMSC | | awarded package is at design stage, EMP will be complied/is being complied | | | | | |

| Impact / field | Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for Implementation of EMP Measures | | | | | |
|--|--|----------------------------|---|--|--------------------------|--------|------------------------------|---|
| | | | 1. S / Satisfactory - mitigation measures implemented satisfactorily 2. PS / Partially Satisfactory - mitigation measures implemented but requires improvement 3. US / Unsatisfactory - Mitigation measures not implemented / poorly implemented | | | | | |
| | | | Package KWASA/KSSDP/SN—1 | | Package KWASA/KSSDP/SN—2 | | Package No : KWASA/KSSDP/STP | |
| | | Rating | Remarks | Rating | Remarks | Rating | Remarks | |
| | contingency plan to include actions to be taken in case of unintentional interruption of services <ul style="list-style-type: none"> • Utilities will only be removed and relocated with proper agency approvals and permission • Informing all hospitals, schools, places of worship, and affected communities well in advance • If utilities are damaged during construction, it will be reported to the Consultants and utility authority and repairs will be arranged immediately at the contractor’s expense; and • Reconnection of utilities will be completed at the shortest practicable time before construction commences. | | | | | | | |
| Consents, Permits, NOCs, Clearance, etc. | Impacts: Failure to obtain necessary consent, permits, and other appropriate regulatory clearances can result to design revisions and work stoppage Mitigation Measures | Contractor, PMSC | Will be complied | awarded package is at design stage, EMP will be complied/is being complied | - | - | - | - |

| Impact / field | Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for Implementation of EMP Measures | | | | | |
|----------------|---|----------------------------|---|--|--------------------------|--------|------------------------------|---|
| | | | 1. S / Satisfactory - mitigation measures implemented satisfactorily 2. PS / Partially Satisfactory - mitigation measures implemented but requires improvement 3. US / Unsatisfactory - Mitigation measures not implemented / poorly implemented | | | | | |
| | | | Package KWASA/KSSDP/SN—1 | | Package KWASA/KSSDP/SN—2 | | Package No : KWASA/KSSDP/STP | |
| | | Rating | Remarks | Rating | Remarks | Rating | Remarks | |
| | <ul style="list-style-type: none"> Obtain all of the necessary consents, permits, and clearances before the start of civil works. Acknowledge in writing and provide report on compliance all obtained permits, clearance, NOCs, etc. Include in detailed design drawings and documents all conditions and provisions if necessary | | | | | | | |
| Tree removal | <p>Impacts: About 13 trees will be cut for the construction of Sewage Pumping station Subproject-1, Around 88 trees will be cut for the construction of Sewage Plumbing Station and Sewer network under Subproject-2 and a total 176 trees will be cut for the construction of STPs under Subproject-3</p> <p>Mitigation Measures:</p> <ul style="list-style-type: none"> After the finalization of the designs and layout of the project components, the trees within proposed construction areas will be marked. Trees within the corridor of impact (area required for | Contractor/ PMSC/ C/PMU | Will be complied | awarded package is at design stage, EMP will be complied/is being complied | - | - | - | - |

| Impact / field | Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for Implementation of EMP Measures | | | | | |
|--|--|----------------------------|---|--|-------------------------------|--------|---------------------------------|--|
| | | | 1. S / Satisfactory - mitigation measures implemented satisfactorily 2. PS / Partially Satisfactory - mitigation measures implemented but requires improvement 3. US / Unsatisfactory - Mitigation measures not implemented / poorly implemented | | | | | |
| | | | Package 1 KWASA/KSSDP/SN—1 | | Package 2 KWASA/KSSDP/SN—2 | | Package No : KWASA/KSSDP/STP | |
| Rating | Remarks | Rating | Remarks | Rating | Remarks | Rating | Remarks | |
| | construction) will be felled after prior approval. <ul style="list-style-type: none"> • Compensation to be provided for the affected trees based on the unit prices of trees determined by the agriculture/horticulture experts. • Only trees that will require removal within the proposed construction areas of the sites will be cut. • For trees not proposed to be cut, taking all precautions to protect them from any damage from construction activities. | | | | | | | |
| Natural Calamities such as flood, cyclone, earthquake etc. | Impacts Natural calamities can affect the pumping stations and collection system indirectly creating a hazard to human health. Mitigation Measures <ul style="list-style-type: none"> • Consider potential impacts from extreme climate change scenario in designing the Sewage Pumping Station and sewer main. • Torrential rainfall during the monsoon is also considered | Design consultant | Will be complied | awarded package is at design stage, EMP will be complied/is being complied | | | | |

| Impact / field | Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for Implementation of EMP Measures | | | | | |
|-----------------|---|----------------------------|---|--|--------------------------|--------|------------------------------|--|
| | | | 1. S / Satisfactory - mitigation measures implemented satisfactorily 2. PS / Partially Satisfactory - mitigation measures implemented but requires improvement 3. US / Unsatisfactory - Mitigation measures not implemented / poorly implemented | | | | | |
| | | | Package KWASA/KSSDP/SN—1 | | Package KWASA/KSSDP/SN—2 | | Package No : KWASA/KSSDP/STP | |
| | | Rating | Remarks | Rating | Remarks | Rating | Remarks | |
| | for the Sewage Pumping Station. <ul style="list-style-type: none"> Sewage Pumping Station are designed by considering the highest flood level (HFL) information of last 25 years and sewer network will be laid at 3 to 5m depth below the ground level. | | | | | | | |
| Road Excavation | Impacts: Traffic congestion, road accident and dropping of pedestrian in the open trenches etc. Mitigation Measures: <ul style="list-style-type: none"> Drawings are approved by the Project Director and road cutting permission obtained from relevant authorities (KCC, RHD) by PMU. Road cutting plan necessary for the application for road cutting permission from the authorities must be prepared by the contractor. KWASA should apply for the road cutting permission prior to starting the works and the contractor shall give full effort and cost for collection of road | Contractor, PMSC | Will be complied | awarded package is at design stage, EMP will be complied/is being complied | | | | |

| Impact / field | Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for Implementation of EMP Measures | | | | | |
|-------------------------|--|----------------------------|---|--|---------------------------|--------|-------------------------------|--|
| | | | 1. S / Satisfactory - mitigation measures implemented satisfactorily 2. PS / Partially Satisfactory - mitigation measures implemented but requires improvement 3. US / Unsatisfactory - Mitigation measures not implemented / poorly implemented | | | | | |
| | | | Package KWASA/KSSDP/SN— 1 | | Package KWASA/KSSDP/SN— 2 | | Package No : KWASA/KSSDP/ST P | |
| | | Rating | Remarks | Rating | Remarks | Rating | Remarks | |
| | cutting permission for required days. <ul style="list-style-type: none"> Contractor has to take all necessary safeguards to avoid accidents at site, prevent loss/damage to all existing utilities like pipelines, telephone/electric cables, poles etc. and any government or private property during the contract period. The contractor shall prepare a traffic management plan (road closure program or diversions) and incorporate detail of traffic diversions and pedestrian routes, all traffic signs (for the regulation and for information) and road marking shall be ensured prior to start of road cutting | | | | | | | |
| Traffic Management Plan | Impacts: Minimize traffic disruption and congestions Mitigation Measures Contractor shall conduct traffic impact assessments to plan traffic management to minimize disturbance of vehicular traffic and | Contractor, PMSC | Will be complied | awarded package is at design stage, EMP will be complied/is being complied | | | | |

| Impact / field | Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for Implementation of EMP Measures | | | | | |
|---------------------------------|---|----------------------------|---|--------|--------------------------|--------|------------------------------|-----------------|
| | | | 1. S / Satisfactory - mitigation measures implemented satisfactorily 2. PS / Partially Satisfactory - mitigation measures implemented but requires improvement 3. US / Unsatisfactory - Mitigation measures not implemented / poorly implemented | | | | | |
| | | | Package KWASA/KSSDP/SN—1 | | Package KWASA/KSSDP/SN—2 | | Package No : KWASA/KSSDP/STP | |
| | | Rating | Remarks | Rating | Remarks | Rating | Remarks | |
| | <p>pedestrians. Access arrangements for vehicles accessing the project area will be formulated such that this will avoid community disturbance and severance, and the plan will include consideration of the following:</p> <ul style="list-style-type: none"> • Lane availability and minimizing interference with traffic flows past the work site; • Establishment of acceptable working hours and constraints; • Agreement on time scale and establishment of traffic flow/delay requirements; • Programming issues, including the time of year and available resources; • Discussion of the PMSC's inspection/monitoring role; • Establishment of complaints management system for the duration of the work. | | | | | | | |
| Faecal Sludge Collection system | <p>Impacts: Spillage may occur due to sludge collection which could affect public health and environmental</p> | Design Consultants | - | - | - | - | Will be complied | Not yet awarded |

| Impact / field | Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for Implementation of EMP Measures | | | | | |
|-----------------|--|----------------------------|---|---|--------------------------|--------|------------------------------|---|
| | | | 1. S / Satisfactory - mitigation measures implemented satisfactorily 2. PS / Partially Satisfactory - mitigation measures implemented but requires improvement 3. US / Unsatisfactory - Mitigation measures not implemented / poorly implemented | | | | | |
| | | | Package KWASA/KSSDP/SN—1 | | Package KWASA/KSSDP/SN—2 | | Package No : KWASA/KSSDP/STP | |
| | | Rating | Remarks | Rating | Remarks | Rating | Remarks | |
| | <p>problems. Collection may impede in the inaccessible area. Cannot pump thick, dried sludge at the bottom of the tanks. Traffic accident may increase due to frequent movement of vacuum trucks. Traffic congestion may happen due to random parking of the trucks.</p> <p>Mitigation Measures:</p> <ul style="list-style-type: none"> • Accident may occur due to frequent movement of collection trucks • Traffic congestion may occur due to frequent movement and random parking of the trucks • The speed limit of the trucks will be restricted to 20-25km/hr; • A well-defined schedule and route will be followed by the sludge carrying trucks; • A proper traffic management plan should be implemented to mitigate adverse impacts; | | | | | | | |
| Road excavation | <p>Impacts: Traffic congestion, road accident and dropping of pedestrian in open trenches etc.</p> | Design Consultation | Will be complied | awarded package is at design stage, EMP | - | - | - | - |

| Impact / field | Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for Implementation of EMP Measures | | | | | |
|----------------|---|----------------------------|---|--------|--------------------------|--------|------------------------------|--|
| | | | 1. S / Satisfactory - mitigation measures implemented satisfactorily 2. PS / Partially Satisfactory - mitigation measures implemented but requires improvement 3. US / Unsatisfactory - Mitigation measures not implemented / poorly implemented | | | | | |
| | | | Package KWASA/KSSDP/SN—1 | | Package KWASA/KSSDP/SN—2 | | Package No : KWASA/KSSDP/STP | |
| | | Rating | Remarks | Rating | Remarks | Rating | Remarks | |
| | Mitigation Measures: <ul style="list-style-type: none"> • No temporary or permanent works proceed before the design and drawings are approved by the Project Director and road cutting permission obtained from relevant authorities (KCC, RHD) by PMU. • Road cutting plan necessary for the application for road cutting permission from the authorities must be prepared by the contractor. • KWASA should apply for the road cutting permission prior to starting the works and the contractor shall give full effort and cost for collection of road cutting permission for required days. • Contractor has to take all necessary safeguards to avoid accidents at site, prevent loss/damage to all existing utilities like pipelines, telephone/electric cables, poles etc. and any government or private | | will be complied/is being complied | | | | | |

| Impact / field | Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for Implementation of EMP Measures | | | | | |
|--------------------------|--|----------------------------|---|--|--------------------------|--------|------------------------------|--|
| | | | 1. S / Satisfactory - mitigation measures implemented satisfactorily 2. PS / Partially Satisfactory - mitigation measures implemented but requires improvement 3. US / Unsatisfactory - Mitigation measures not implemented / poorly implemented | | | | | |
| | | | Package KWASA/KSSDP/SN—1 | | Package KWASA/KSSDP/SN—2 | | Package No : KWASA/KSSDP/STP | |
| | | Rating | Remarks | Rating | Remarks | Rating | Remarks | |
| | property during the contract period. <ul style="list-style-type: none"> The contractor shall prepare a traffic management plan (road closure program or diversions) and incorporate detail of traffic diversions and pedestrian routes, all traffic signs (for the regulation and for information) and road markings shall be ensured prior to start of road cutting. | | | | | | | |
| Updating of IEE and SEMP | Impacts: Expecting minor impacts, during construction period only and mitigation measures are addressed Mitigation Measures: <ul style="list-style-type: none"> Update IEE based on detailed designs, and submitted to ADB for review, approval, and disclosure prior to commencement of work. Formulate SEMP during implementation and get approval from the PD. Relevant information shall be disclosed. | Contractors , PMSC | Will be complied | awarded package is at design stage, EMP will be complied/is being complied | | | | |

| Impact / field | Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for Implementation of EMP Measures | | | | | |
|-----------------------------|--|----------------------------|---|--|--------------------------|---------|------------------------------|---------|
| | | | 1. S / Satisfactory - mitigation measures implemented satisfactorily 2. PS / Partially Satisfactory - mitigation measures implemented but requires improvement 3. US / Unsatisfactory - Mitigation measures not implemented / poorly implemented | | | | | |
| | | | Package KWASA/KSSDP/SN—1 | | Package KWASA/KSSDP/SN—2 | | Package No : KWASA/KSSDP/STP | |
| | | | Rating | Remarks | Rating | Remarks | Rating | Remarks |
| Community awareness program | Impacts: Without proper interaction with local communities and or with stakeholders may lead to confusion and agitation and non-cooperation of local people. Mitigation Measures: <ul style="list-style-type: none"> • Aware local people about the upcoming project • Regular interaction with the local people to make them understand about project activity • Disseminate local people about the project components, objectives and potential environmental and social impacts (positive and negative) • Disseminate local people about the Grievance redress mechanism and contact details of the project | Contractor | Will be complied | awarded package is at design stage, EMP will be complied/is being complied | - | - | - | - |
| EMP Implementation Training | Impacts: Irreversible impact to the environment, workers, and community. Mitigation Measures: Project manager and all key workers of contractors will be required to undergo EMP | Contractor, PMSC | Will be complied | awarded package is at design stage, EMP will be complied/is being complied | | | | |

| Impact / field | Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for Implementation of EMP Measures | | | | | | | |
|----------------|---|----------------------------|---|--------|--------------------------|--------|------------------------------|--|--|--|
| | | | 1. S / Satisfactory - mitigation measures implemented satisfactorily 2. PS / Partially Satisfactory - mitigation measures implemented but requires improvement 3. US / Unsatisfactory - Mitigation measures not implemented / poorly implemented | | | | | | | |
| | | | Package KWASA/KSSDP/SN—1 | | Package KWASA/KSSDP/SN—2 | | Package No : KWASA/KSSDP/STP | | | |
| Rating | Remarks | Rating | Remarks | Rating | Remarks | Rating | Remarks | | | |
| | implementation training including spoils management, Standard operating procedures (SOP) for construction works; health and safety (H&S), core labor laws, applicable environmental laws etc. | | | | | | | | | |

Table 15: Construction Stage Mitigation Measures: Compliance Status (Not applicable for the reporting period, will be updated in the next applicable SEMR)

| Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for implementation of EMP Measures | | | | | |
|---|----------------------------|--|---|--------------------------|---------|------------------------------|---------|
| | | 1. S / Satisfactory 2. PS / Partially Satisfactory 3. US / Unsatisfactory | | | | | |
| | | Package KWASA/KSSDP/SN—1 | | Package KWASA/KSSDP/SN—2 | | Package No : KWASA/KSSDP/STP | |
| Rating | Remarks | Rating | Remarks | Rating | Remarks | Rating | Remarks |
| Contractor compliance with regulations (clearances/permits/licenses to conduct work) | Contractor | Will be complied | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| SEMP available at work sites | Contractor | Will be complied | awarded package is | - | - | - | - |

| Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for implementation of EMP Measures | | | | | |
|---|----------------------------|---|---|---------------------------|---------|-------------------------------|---|
| | | 1. S / Satisfactory 2. PS / Partially Satisfactory 3. US / Unsatisfactory | | | | | |
| | | Package KWASA/KSSDP/SN —1 | | Package KWASA/KSSDP/SN —2 | | Package No : KWASA/KSSDP/ST P | |
| Rating | Remarks | Rating | Remarks | Rating | Remarks | | |
| | | | at design stage, EMP will be complied/ is being complied | | | | |
| Utilities shifting (avoiding disruption, prior info, contingency arrangements etc.,) | Contractor | Will be complied | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Work site organization (designated areas for material / debris /equipment, roads, walkways, facilities, fencing / barricades, rest area, first aid, complaints & accident register, etc.,) | Contractor | Will be complied | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Chemical, fuel storage & handling (secured areas with easy identification & caution signs, spill control, MSDS display) | Contractor | Will be complied | awarded package is at design stage, EMP will be complied/i | - | - | - | - |

| Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for implementation of EMP Measures | | | | | |
|---|----------------------------|---|---|---------------------------|---------|-------------------------------|---|
| | | 1. S / Satisfactory 2. PS / Partially Satisfactory 3. US / Unsatisfactory | | | | | |
| | | Package KWASA/KSSDP/SN —1 | | Package KWASA/KSSDP/SN —2 | | Package No : KWASA/KSSDP/ST P | |
| Rating | Remarks | Rating | Remarks | Rating | Remarks | | |
| | | | s being complied | | | | |
| Project information & compliant registration (information boards, contact info, complaint register etc.,) | Contractor | Will be complied | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Sourcing construction materials / borrow areas (existing approved quarries / avoiding new quarries, documentation) | Contractor | Will be complied | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Measures related to works near forest areas (scheduling, confined working, no damage to flora/fauna etc.,) | Contractor | Will be complied | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Implementation of chance find protocol (workers/staff awareness, protocol implementation etc.,) | Contractor | Will be complied | awarded package is at design | - | - | - | - |

| Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for implementation of EMP Measures | | | | | |
|--|----------------------------|---|---|---------------------------|---------|-------------------------------|---|
| | | 1. S / Satisfactory 2. PS / Partially Satisfactory 3. US / Unsatisfactory | | | | | |
| | | Package KNASA/KSSDP/SN —1 | | Package KNASA/KSSDP/SN —2 | | Package No : KNASA/KSSDP/ST P | |
| Rating | Remarks | Rating | Remarks | Rating | Remarks | | |
| | | | stage, EMP will be complied/ is being complied | | | | |
| Implementation of Asbestos Cement Materials (ACM) measures (avoidance, ACM plan implementation etc.,) | Contractor | Will be complied | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Dust control at work sites (site organization, and dust suppression measures, visible dust etc.,) | Contractor | Will be complied | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Dust control in material / waste transport (covering, cleaning measure, visible dust) | Contractor | TBC | awarded package is at design stage, EMP will be complied/i | - | - | - | - |

| Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for implementation of EMP Measures | | | | | |
|---|----------------------------|---|---|---------------------------|---------|-------------------------------|---------|
| | | 1. S / Satisfactory 2. PS / Partially Satisfactory 3. US / Unsatisfactory | | | | | |
| | | Package KWASA/KSSDP/SN —1 | | Package KWASA/KSSDP/SN —2 | | Package No : KWASA/KSSDP/ST P | |
| Rating | Remarks | Rating | Remarks | Rating | Remarks | Rating | Remarks |
| | | | s being complied | | | | |
| Air pollution / emission control (pollution control equipment and certificate for machinery, equipment, and vehicles) | Contractor | TBC | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Water pollution control (earthwork schedule, containment of silt/contaminated water in site, erosion control, chemical spill control, etc.,) | Contractor | TBC | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Measures related to works in / near water bodies (scheduling, construction method, spill & silt containment, safe disposal etc.,) | Contractor | TBC | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Noise control (scheduling, prior public info, control measures, PPEs, no high noise near sensitive areas etc.,) | Contractor | TBC | awarded package is at design | - | - | - | - |

| Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for implementation of EMP Measures | | | | | |
|---|----------------------------|---|---|---------------------------|---------|-------------------------------|---|
| | | 1. S / Satisfactory 2. PS / Partially Satisfactory 3. US / Unsatisfactory | | | | | |
| | | Package KWASA/KSSDP/SN —1 | | Package KWASA/KSSDP/SN —2 | | Package No : KWASA/KSSDP/ST P | |
| Rating | Remarks | Rating | Remarks | Rating | Remarks | | |
| | | | stage, EMP will be complied/ is being complied | | | | |
| Traffic management (work site isolation/separation of public areas, traffic diversions, public information, etc.,) | Contractor | TBC | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Access to building & properties (temporary access maintenance over trenches, no blockage of access etc.,) | Contractor | TBC | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Occupational Health & safety (safe work site set-up, eliminated/protected unsafe/risky areas, equipment / machinery / electrical / safety, standard construction methods, PPEs, toolbox talks, trainings & site awareness etc.,) | Contractor | TBC | awarded package is at design stage, EMP will be complied/i | - | - | - | - |

| Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for implementation of EMP Measures | | | | | |
|--|----------------------------|---|---|---------------------------|---------|-------------------------------|---------|
| | | 1. S / Satisfactory 2. PS / Partially Satisfactory 3. US / Unsatisfactory | | | | | |
| | | Package KWASA/KSSDP/SN —1 | | Package KWASA/KSSDP/SN —2 | | Package No : KWASA/KSSDP/ST P | |
| Rating | Remarks | Rating | Remarks | Rating | Remarks | Rating | Remarks |
| | | | s being complied | | | | |
| Incident management (First aid box, accident / incident registers, review of accident cases, near misses, and training & awareness, fire safety, emergency contacts, health check-ups, tie up with hospital, etc.,) | Contractor | TBC | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Core labour standards (no child labour, no discrimination, no forced labour, equal pay for equal work, etc.,) | Contractor | TBC | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Workers facilities at work site (water, sanitation, rest areas, separate toilets for women, etc.,) | Contractor | TBC | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Implementation of COVID19 H&S Plan at work sites (hygiene, distancing, PPEs, testing, isolation, treatment etc.,) | Contractor | TBC | awarded package is at design | - | - | - | - |

| Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for implementation of EMP Measures | | | | | |
|---|----------------------------|---|---|---------------------------|---------|-------------------------------|---|
| | | 1. S / Satisfactory 2. PS / Partially Satisfactory 3. US / Unsatisfactory | | | | | |
| | | Package KWASA/KSSDP/SN —1 | | Package KWASA/KSSDP/SN —2 | | Package No : KWASA/KSSDP/ST P | |
| Rating | Remarks | Rating | Remarks | Rating | Remarks | | |
| | | | stage, EMP will be complied/ is being complied | | | | |
| Community health & safety (secured work sites, protection measures for public/building/road safety, information, caution and awareness boards, public info etc.) | Contractor | TBC | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Solid waste, debris & soil management (proper stocking/storage at site, reuse, disposal site identification, timely disposal etc.,) | Contractor | TBC | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Workers camps set-up (site approval, camp organization & facilities as per standards) | Contractor | TBC | awarded package is at design stage, EMP will be complied/i | - | - | - | - |

| Impact fields and Mitigation Measures | Responsible for mitigation | Compliance rating for implementation of EMP Measures | | | | | |
|---|----------------------------|---|---|---------------------------|---------|-------------------------------|---|
| | | 1. S / Satisfactory 2. PS / Partially Satisfactory 3. US / Unsatisfactory | | | | | |
| | | Package KWASA/KSSDP/SN —1 | | Package KWASA/KSSDP/SN —2 | | Package No : KWASA/KSSDP/ST P | |
| Rating | Remarks | Rating | Remarks | Rating | Remarks | | |
| | | | s being complied | | | | |
| Worker camp maintenance (health, hygiene, leisure etc..) | Contractor | TBC | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| COVID measures implementation at camp sites | Contractor | TBC | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |
| Post construction restoration of work and camp sites (sites cleared, restored, documented, and approved by PIU/PMC & closed) | Contractor | TBC | awarded package is at design stage, EMP will be complied/ is being complied | - | - | - | - |

E. Findings on EMP Compliance

21. **Pre-construction stage measures.** Only the package 1 has been awarded, however no field activities under the Package KWASA/KSSDP/SN—1; has not been started yet. Site specific EMP will be prepared by the concerned contractor of the package. The compliance monitoring status for implementation of mitigation measures against impacts on air, water, soil, environment, social and safety will be incorporated in future.

22. **Construction stage measures.** No construction activities started yet. Mitigation measures as per EMP will be described in the next SEMR

Table 16: Package-wise Compliance with Construction stage EMP

| S. No | Package | Overall compliance with preconstruction stage EMP | Overall compliance with construction stage EMP |
|-------|------------------|---|--|
| 1 | KWASA/KSSDP/SN—1 | To be complied | Not started yet |
| 2 | KWASA/KSSDP/SN—2 | To be complied | To be complied |
| 3 | KWASA/KSSDP/STP | To be complied | To be complied |

F. Implementation of Health and Safety COVID-19 Plan

23. **H&S COVID-19 Plan Preparation:** It will be complied during construction period. Since no construction activities conducted under this SEMR, therefore the table (preparation and approval of Health and Safety COVID-19 Plan) will be updated in the next SEMR.

Table 17: Status of H&S COVID-19 Plan

| H&S COVID-19 Plan | Preparation | Approval | Update | Remarks |
|-------------------------|-----------------------------|----------|--------|--|
| Project level Plan | Will be update in next SEMR | No | No | During Construction stage it will be Carried out |
| Package/contractor plan | Under Process | No | No | |
| KWASA/KSSDP/SN—1 | No | No | No | |
| KWASA/KSSDP/SN—2 | No | No | No | |
| KWASA/KSSDP/STP | No | No | No | |

Provide "yes/no / under process" with dates

24. H&S COVID-19 Plan Implementation.

- Measures will be implemented during construction as per requirement
- Will be carried out good practices for HSW Covid-19
- Incidents, will be recorded/reported in the KSSDP during Construction project
- Findings will be evaluated to undertake measures
- Actions for improvement will be undertaken
- Include an Appendix 4 showing implementation of COVID 19 measures
- Covid-19 Safety protocol undertaken for KSSDP

G. Best practices / environment improvement activities

25. Field level activity under the KWASA/KSSDP/SN—1; KWASA/KSSDP/SN—2; and KWASA/KSSDP/STP have not been started yet. Innovative practices/environmental improvements activities conducted at the sites which are not actually part of EMP (water conservation, waste management, plastic-free sites, tree plantation etc.). Will be incorporated in the next SEMR.

ENVIRONMENTAL MONITORING

A. Environmental Quality Monitoring

26. IEE and EMP/SEMR requires conduct of ambient environmental quality monitoring throughout implementation. These includes monitoring ambient air, water, noise, etc., in and around project sites to assess the quality and changes with respect to baseline conditions. No monitoring was conducted during the period. The IEE report reflects some monitoring reports (Attached in the Annex) and following Table 18 shows the status of environmental monitoring.

Table 18: Status Environmental Monitoring of Awarded Packages

| Package No | Baseline Monitoring | | Periodic Monitoring in Reporting Period | |
|--|---------------------------|--------------------------|---|--|
| | Date/period of monitoring | Environmental parameters | Dates/period of monitoring | Environmental parameters |
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No :KWASA/KSSDP/SN-1) | Last quarter of 2020 | According to IEE | | No environmental monitoring was conducted during the reporting period. Sampling will be conducted before and during construction in accordance with the monitoring program in the approved IEE." |
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No :KWASA/KSSDP/SN-2) | Last quarter of 2020 | | | |
| Name of Works: Construction of two Sewage Treatment plant including faecal Sludge Treatment plant. (Package No :KWASA/KSSDP/STP) | Last quarter of 2020 | | | |

27. **Monitoring parameters:** No monitoring was conducted during the period. Monitoring parameters will be followed as per the approved IEE. This section will be updated once monitoring starts.

28. **Monitoring Frequency.** No monitoring was conducted during the period. Monitoring frequency will be followed as per the approved IEE. This section will be updated once monitoring starts.

29. **Monitoring Locations.** Number of locations/sampling points considered as specified in the approved IEE and SEMP. Location of monitoring/sampling points are selected based on parameters such as representative locations, meteorological conditions (wind direction), land use, terrain, natural drainage etc. No monitoring was conducted during the period. Monitoring locations will be followed as per the approved IEE. This section will be updated once monitoring starts.

30. **Monitoring (Sampling & Analysis) Methodology.** Sampling and analysis will be carried out by the contractors via the recognized / approved / accredited laboratories, which adopts acceptable and standard methods for sampling, analysis, and results. Sampling and adopted are presented in Table 19. No monitoring was conducted during the period. Monitoring methodology will be followed as per the approved IEE. This section will be updated once monitoring starts.

Table 19: Sampling and Analysis Methods (No environmental monitoring was conducted during the reporting period)

| Parameter | Sampling and testing method |
|---------------|-----------------------------|
| Ambient air | |
| Ambient noise | |
| Surface water | |
| Ground water | |

B. Monitoring Results

31. **Ambient air quality.** Ambient air quality monitoring standards of IFC/WHO are presented in the following table. No monitoring was conducted during the period. Monitoring parameters will be followed as per the approved IEE. This section will be updated once monitoring starts.

Table 20: Air Monitoring Results

| Sl. No. | Package / Monitoring Site | Monitoring date | SPM | PM ₁₀ | PM _{2.5} | NO ₂ | SO ₂ | CO |
|---------|--|-----------------|-----|-------------------------|-------------------------|--------------------------|--------------------------------|----|
| | AAQ Standard (24 hours, unless stated) | | | | | | | |
| | IFC/WHO Standards | - | - | 50 (µg/m ³) | 25 (µg/m ³) | 200 (µg/m ³) | 20 (µg/m ³) (1 hr) | - |
| 1. | Package : STP-1 | | | | | | | |
| 2. | Air Quality Index Value | | | | | | | |
| 3. | Package : STP -2 | | | | | | | |
| 4. | Air Quality Index Value | | | | | | | |
| 5. | Package : SPS-1: Custom Ghat | | | | | | | |
| 6. | Air Quality Index Value | | | | | | | |
| 7. | SPS-2 Motiarkhali Khal | | | | | | | |
| 8. | Air Quality Index Value | | | | | | | |
| 9. | SPS-3 Labonchara Sluice Gate | | | | | | | |

| Sl. No. | Package / Monitoring Site | Monitoring date | SPM | PM ₁₀ | PM _{2.5} | NO ₂ | SO ₂ | CO |
|---------|------------------------------------|-----------------|-----|------------------|-------------------|-----------------|-----------------|----|
| 10. | Air Quality Index Value | | | | | | | |
| 11. | SPS-4 Nirala | | | | | | | |
| 12. | Air Quality Index Value | | | | | | | |
| 13. | SPS-5 Kashimnagar Gollamari | | | | | | | |
| 14. | Air Quality Index Value | | | | | | | |
| 15. | SPS-7 Karim Nagar Sonadanga | | | | | | | |
| 16. | Air Quality Index Value | | | | | | | |
| 17. | SPS-6 Truck Terminal Rd. Sonadanga | | | | | | | |
| 18. | Air Quality Index Value | | | | | | | |
| 19. | SPS-7 Karim Nagar Sonadanga | | | | | | | |
| 20. | Air Quality Index Value | | | | | | | |
| 21. | SPS-8 Islamia College Road | | | | | | | |
| 22. | Air Quality Index Value | | | | | | | |

32. **Ambient noise quality.** Ambient air quality monitoring standards of IFC/WHO and ECR'97 are presented in the table 21. However, no monitoring was conducted during the period. Monitoring parameters will be followed as per the approved IEE. This section will be updated once monitoring starts.

Table 21: Noise Monitoring Results

| Sl. No. | Package / Town / Monitoring Location | Type | Monitoring date | Land use | Noise Level (dB(A)) | | | |
|---------|--|------|-----------------|------------------------|------------------------|------------|------------------------|------------|
| | | | | | Day time (6am-9pm) | | Night time (9pm-6am) | |
| | National Ambient Noise Standard (ECR, 1997) | | | Residential Area | 50 dBA | | 40 dBA | |
| | | | | Mixed Area | 60 dBA | | 50 dBA | |
| | | | | Commercial Area | 70 dBA | | 60 fBA | |
| | | | | Industrial Area | 75 dBA | | 70 dBA | |
| | IFC/WHO | | | Residential | 55 dBA (7 am to 10 pm) | | 45 dbA (22 pm to 7 am) | |
| | | | | Industrial/ Commercial | 70 dBA | | 70 dBA | |
| | | | | | Min | Max | Min | Max |
| 1. | STP-1 Site | | | | | | | |
| 2. | STP-2 Site | | | | | | | |
| 3. | SPS-1 Custom Ghat | | | | | | | |
| 4. | SPS-2 Motiarkhali Khal | | | | | | | |
| 5. | SPS-3 Labonchara Sluice Gate | | | | | | | |
| 6. | SPS-4 Nirala | | | | | | | |
| 7. | SPS-5 Kashimnagar Gollamari | | | | | | | |
| 8. | SPS-6 Truck Terminal Road, Sonadanga | | | | | | | |
| 9. | SPS-7 Karim Nagar, Sonadanga | | | | | | | |
| 10. | SPS-8 Islamia College Raod | | | | | | | |

33. **Surface water quality:** No surface water quality was monitored during this period. Surface water quality monitoring will be conducted as required by the EMP in the next applicable reporting period.

Table 22: Surface Water Monitoring Results

| | Package /Water body and monitoring Location | Monitoring date | Type | Inferences on water quality results in comparison with baseline / applicable standards |
|--|---|-----------------|------|--|
| | Package : STP-1 | | | |
| | STP-1, Mathabanga, Rupsha river | | | |
| | Package : STP-2 | | | |
| | STP-2, Thikraband, Hoghdanga | | | |

34. **Groundwater quality.** During this quarter no groundwater quality was conducted as required by the EMP. The ground water quality will be append in the next applicable SEMR.

Table 23: Groundwater Monitoring Results

| | Package /Monitoring Point | Monitoring date | Type | Inferences on water quality results in comparison with baseline / applicable standards |
|---|------------------------------------|-----------------|------|--|
| 1 | Package : SN-1 | | | |
| | SPS-1, Customghat | | | |
| | SPS-2 MotiyakhaliJame Masjed | | | |
| | SPS-3 Lobonchra Sluice gate | | | |
| 2 | Package: SN-2 | | | |
| | SPS-4, Nirala | | | |
| | SPS-5 Kasimnagoar, Gollamari | | | |
| | SPS-6 Sonadanga Truck Termina | | | |
| | SPS- Karimnagoar | | | |
| | SPS-8 Islamia college Road | | | |
| 3 | Package : STP-1 | | | |
| | STP-1, Mathabanga , Putimari Bazar | | | |
| 4 | Package: STP-2 | | | |
| | STP-2, Thikrabandh | | | |

TRAINING AND CAPACITY BUILDING ACTIVITES

35. No training and capacity building programs (workshops, seminars, on/off-site trainings, awareness etc.) related to environmental safeguards, implementation of EMPs, health and safety etc., has been impart during the report period. All the programs will be documented, and details are included **Appendix 6 in the next SEMR**.

Table 24: Training / Capacity Building Activities Conducted

| Package No. | Date | Training activity | Venue & duration | Trainer | Target Group | Number of participant (M / F) |
|---|------|--------------------------------|------------------|---------|--------------|-------------------------------|
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No :KWASA/KSSDP/SN-1) | | No training/workshop conducted | | | | |
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No :KWASA/KSSDP/SN-2) | | No training/workshop conducted | | | | |
| Name of Works: Construction of two Sewage Treatment plant including faecal Sludge Treatment plant. (Package No :KWASA/KSSDP/STP) | | No training/workshop conducted | | | | |

PUBLIC CONSULTATION

36. During this reporting period no public consultation activities conducted. In the next SEMR public consultation updates will be provided as per the below Table. Hence, details of the consultation will be documented, and details will be included in **Appendix 7**.

Table 25: Public Consultations Conducted

| Package No. | Date | Venue | Target group | Number of participants (M/F) | Details (purpose, and main feedback/outcome) |
|---|------|---------------|--------------|------------------------------|--|
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No :KWSA/KSSDP/SN-1) | | Not conducted | | | • |
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No :KWSA/KSSDP/SN-2) | | Not conducted | | | • |
| Name of Works: Construction of two Sewage Treatment plant including faecal Sludge Treatment plant. (Package No :KWSA/KSSDP/STP) | | Not conducted | | | • |

Insert consultation photographs in below table (will be provided when it is available)

| | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |

GRIEVANCE REDRESS

A. Grievance Redress Mechanism

37. A Project-specific grievance redress mechanism (GRM) is established to provide a time bound and transparent mechanism to voice and resolve social and environmental concerns linked with the project. GRM is notified by EA/IA/PMU by an Office Order/Notification issued on (Notification is attached at **Appendix 8**). Project GRM is presented in the following Figure. Accordingly, responsibilities are allocated to project agencies, consultants and contractors, and grievance redress committee(s) established at subproject/town level or project level. Status of establishment of GRCs are presented in **Table 26**.

Figure 4: Project GRM

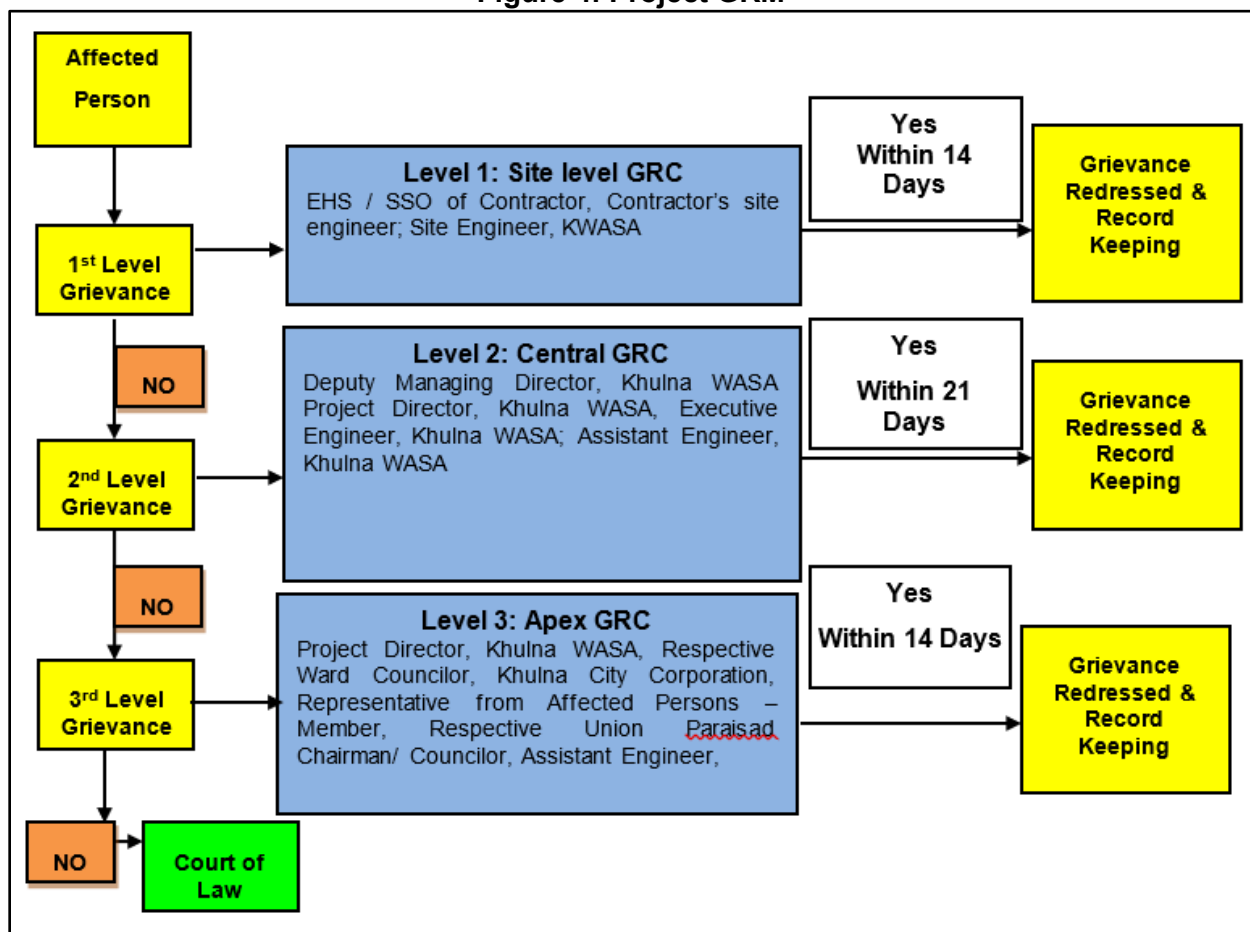


Table 26: GRM Operationalization

| Package No. | Subproject level GRM Notified | GRM responsibilities assigned | GRM Operational to receive, register & redress complaints | Date of GRC Formation | Public informed of GRM |
|---|-------------------------------|-------------------------------|---|-----------------------|------------------------|
| Name of Works: Construction of sewer Network including | | (GRM) was not | Not operational | To be updated in | |

| Package No. | Subproject level GRM Notified | GRM responsibilities assigned | GRM Operational to receive, register & redress complaints | Date of GRC Formation | Public informed of GRM |
|--|-------------------------------|--|---|--------------------------------|------------------------|
| pumping station & service connection (Package No :Kwasa/KSSDP/SN-1) | | established during this period (June 2021 – November 2021) | | the next SEMR | |
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No :Kwasa/KSSDP/SN-2) | | | Not operational | To be updated in the next SEMR | |
| Name of Works: Construction of two Sewage Treatment plant including faecal Sludge Treatment plant. (Package No :Kwasa/KSSDP/STP) | | | Not operational | To be updated in the next SEMR | |

B. Complaints Received during Reporting Period

38. During this period no complaints received or reported. From next SEMR summary of complaints received and resolved will be present in the **Table 27**, and details will be provided in **Appendix 9**. Details of unresolved / pending complaints as on end of reporting period if any, will be provided in Table 29 along with the reasons and proposed actions.

Table 27: Details of Complaints Resolved (no complaints were received during the reporting period)

| Package No | No. of complaints received | | | Type of Common and Major Grievances | Time taken for resolution (days) | Remarks |
|--|----------------------------|--------------------|------------|-------------------------------------|----------------------------------|---|
| | In Reporting period | Previously Pending | Cumulative | | | |
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No :Kwasa/KSSDP/SN-1) | | | | | | During Construction stage it will be Carried out/ |
| Name of Works: Construction of sewer Network including pumping station & service connection | | | | | | |

| Package No | No. of complaints received | | | Type of Common and Major Grievances | Time taken for resolution (days) | Remarks |
|---|----------------------------|--------------------|------------|-------------------------------------|----------------------------------|-----------------------------|
| | In Reporting period | Previously Pending | Cumulative | | | |
| (Package No :KWASA/KSSDP/SN-2) | | | | | | resolved as per observation |
| Name of Works: Construction of two Sewage Treatment plant including faecal Sludge Treatment plant. (package No :KWASA/KSSDP/STP) | | | | | | |

Table 28: Details of Complaints Pending / Unresolved Complaints (none for the period)

| Package No. | Date of complaint | Description of grievance | Resolution pending with | Reasons for non-resolution | Proposed Actions | |
|--|-------------------|--------------------------|-------------------------|----------------------------|------------------|--|
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No :KWASA/KSSDP/SN-1) | | | | | | During Construction stage it will be Carried out |
| Name of Works: Construction of sewer Network including pumping station & service connection (Package No :KWASA/KSSDP/SN-2) | | | | | | |
| Name of Works: Construction of two Sewage Treatment plant including faecal Sludge Treatment plant. (Package No :KWASA/KSSDP/STP) | | | | | | |

C. GRC Meetings

39. During this period, no GRC meeting held. However, as necessary GRC meetings will be conducted to resolve the complaints, and details are presented in the following Table.

Table 29: GRC Meetings

| Sl. No | Package No. | No, of meeting in Reporting Period | Cumulative meetings till date | Remarks |
|--------|--|------------------------------------|-------------------------------|--|
| 1. | Name of Works: Construction of sewer Network including pumping station & service connection (Package No :KWASA/KSSDP/SN-1) | None | None | GRC was not established during this period (June 2021 – November 2021) |
| 2. | Name of Works: Construction of sewer Network including pumping station & service connection (Package No :KWASA/KSSDP/SN-2) | None | None | |
| 3. | Name of Works: Construction of two Sewage Treatment plant including faecal Sludge Treatment plant. (Package No :KWASA/KSSDP/STP) | None | None | |

FINDINGS, KEY ISSUES & REMEDIAL MEASURES

A. Findings

40. This Semi-annual Environmental Monitoring Report (SEMR) for the period of July-2021 November-2021 is prepared as per the ADB SPS requirements. This SEMR described progress with the implementation of the subproject-wise EMPs, and compliance status. This is 1st SEMR prepared for this KSSDP, KWSA Project. Project includes 03 subprojects/contract packages. At the end of this report period (November 2021) only one package awarded, One package is under evaluation stage and one package is in bidding process. Of the awarded contracts, 01 in design phase. None of the aforementioned packages construction works completed. Findings of this SEMR are presented in the following table along with key issues and remedial measures.

Table 30: Findings and Key Issues

| Monitoring aspect | Findings & Key issues | Remedial measures |
|---|---|--|
| Availability safeguards personnel (PMU, PIU, Consultants and contractors) | PMU has a designated environmental safeguard officer. PMSC Environmental specialist is not yet mobilized. | PMSC environmental specialist replacement is ongoing. |
| Compliance with statutory requirements (clearance / permissions etc.,) | ECC application is ongoing. | No construction shall start without the approved EC. |
| Compliance with ADB loan covenants | None | |
| Compliance with preparation, approval, disclosure of draft IEEs | None | |
| Compliance with preparation, approval, disclosure of updated/final IEEs | Disclosed updated IEEs in the ADB and KWSA website | |
| Contractor compliance with pre-construction requirements | Will be complied (designation of EHS supervisor, SEMP preparation, obtaining of permits/licenses). Packages are at design/pre-construction phase. | Mobilization of the contractor's EHS supervisor for SN-1 and SN-2 will be next quarter |
| EMP implementation, monitoring, reporting | Being complied. Packages are at design/pre-construction phase. | |
| Implementation of COVID19 health and safety measures | Will be complied. Packages are at design/pre-construction phase. | |
| Training and capacity building activities | Will be complied. Packages are at design/pre-construction phase. | |
| Public consultation | Will be complied. Packages are at design/pre-construction phase. | |
| GRM establishment, operationalization and complaint resolution | GRM will be established in the next SEMR. | GRM will be established in the next SEMR |

B. Corrective Action Plan

41. Following action plan is developed to address the issues of concerns raised in this report.

Table 31: Corrective Action Plan

| Proposed Remedial Measure | Responsibility of implementation | Target date | Remarks |
|---------------------------|----------------------------------|-------------|---------|
| <u>None</u> | | | |
| | | | |
| | | | |

Appendices

Appendix 1: Copies of Regulatory Clearances / Approvals

NOC from DOE (STP -1)

স্বাক্ষরিতঃ ১৫/০৪/১৯

১৫/০৪/১৯

১৫/০৪/১৯

১৫/০৪/১৯

পদ্মপ্রজাতন্ত্রী বাংলাদেশ সরকার
পরিবেশ অধিদপ্তর
পরিবেশ ভবন, ই/১৬ আগারগাঁও
শেরে বাংলা নগর, ঢাকা-১২০৭
www.doe.gov.bd

| ক্রমিক নং | অতিরিক্ত কর্মসূচী | অনুমতি |
|-----------|---------------------------------|--------------------------|
| ১ | উপ-ব্যবস্থাপনা পরিচালক (অঃ-১৯১) | উপস্থাপন কর্তৃক |
| ২ | উপ-ব্যবস্থাপনা পরিচালক (প্রকৌঃ) | প্রয়োজনীয় ব্যবস্থা নিন |
| ৩ | সচিব | অনুমতি কর্তৃক |
| ৪ | প্রকল্প পরিচালক | সম্মত কর্তৃক |
| ৫ | প্রকল্প ব্যবস্থাপক | |
| ৬ | সি.এ | ২৪/০৪/১৯ |
| ৭ | তারিখঃ | ২৪/০৪/১৯ |
| ৮ | স্বাক্ষরঃ | ১৫/০৪/১৯ |

বিষয়ঃ খুলনা ওয়াসা কর্তৃক বাস্তবায়নাত্মক "খুলনা শহরে পয়ঃনিষ্কাশন ব্যবস্থা নির্মাণের জন্য ভূমি অধিগ্রহণ" শীর্ষক প্রকল্পের জন্য খুলনা জেলার লবণচরা উপজেলার মাথাভাঙ্গা সৌজার কমবেশি ১২.০০ (বারো) একর জমি অধিগ্রহণের জন্য অনাপত্তিপত্র

সূত্রঃ খুলনা পানি সরবরাহ ও পয়ঃনিষ্কাশন কর্তৃপক্ষ হতে প্রাপ্ত পত্র সংখ্যা: ৪৬.০৭.০০০.০১.৩৩.০০০.১৪-৩৯৯৫ তারিখঃ ২৫/১১/২০১৮

উপর্যুক্ত নিয়ম ও সূত্রের পরিপ্রেক্ষিতে জানানো যাচ্ছে যে, খুলনা ওয়াসা কর্তৃক বাস্তবায়নাত্মক "খুলনা শহরে পয়ঃনিষ্কাশন ব্যবস্থা নির্মাণের জন্য ভূমি অধিগ্রহণ" শীর্ষক প্রকল্পের জন্য খুলনা জেলার লবণচরা উপজেলার মাথাভাঙ্গা সৌজার কমবেশি ১২.০০ (বারো) একর জমি অধিগ্রহণের জন্য নিম্ন বর্ণিত বিষয়াদি প্রতিপালনের শর্তে অত্র দপ্তর হতে নির্দেশক্রমে অনাপত্তি প্রদান করা হলোঃ

- আলোচ্য প্রকল্পের কার্যক্রমের মাধ্যমে যাতে পারিপার্শ্বিক পরিবেশ (যেথাঃ সাটি, পানি, বায়ু)-এর উপর কোন বিরূপ প্রভাব না পড়ে সে বিষয়ে যথাযথ ব্যবস্থা গ্রহণ করতে হবে।
- প্রকল্পের কার্যক্রমের আওতায় পারিপার্শ্বিক জীববৈচিত্র্য ও বন/পাছপালা ক্ষতিগ্রস্ত করা যাবে না এবং প্রাকৃতিকভাবে সৃষ্ট নদীমা ও খালের প্রবাহ কোনভাবেই বিঘ্ন করা যাবে না।
- এ প্রকল্প কার্যক্রমে সৃষ্ট কঠিন বর্জ্য পরিকল্পিত উপায়ে সংগ্রহপূর্বক পরিবেশসম্মতভাবে নিরাসন অপসারণ অথবা পুনঃব্যবহারের ব্যবস্থা করতে হবে।
- আলোচ্য প্রকল্প কার্যক্রমে Green Building Concept-সমূহ যথাযথভাবে অনুসরণ করতে হবে। নবায়নযোগ্য স্থাপনা (সৌরপজি) ব্যবহার, বৃষ্টির পানি সংরক্ষণ (Rain Water Harvesting), Sewage Treatment Plant (STP) ইত্যাদির ব্যবস্থা রাখতে হবে এবং প্রয়োজ্য ক্ষেত্রে বাংলাদেশ ন্যাশনাল বিজিৎ কোড যথাযথভাবে অনুসরণ করতে হবে।
- এ প্রকল্প কার্যক্রমের আওতায় শব্দ মিল্লভয়ের জন্য যথাযথ ব্যবস্থাদি গ্রহণপূর্বক তা সর্বদা কার্যকর রাখতে হবে এবং শব্দের সানানাত্রা শব্দ দুখন (নিয়ন্ত্রণ) বিধিমালা-২০০৬ এর মধ্যে থাকতে হবে।
- প্রকল্প এলাকার ন্যূনতম ৩৩% জায়গা ফলদ ও বনজ গাছ লাগিয়ে সবুজায়ন করতে হবে।
- শ্রমি নির্বাপনকল্পে যথাযথমুজ্জ ব্যবস্থাদি গড়ে তুলতে হবে। এ প্রকল্প কার্যক্রমের বাস্তবায়নে কর্মরত শ্রমিকদের পেশাগত স্বাস্থ্য রক্ষার্থে সকল ব্যবস্থা গ্রহণ করতে হবে।
- আলোচ্য প্রকল্পের কার্যক্রমের মাধ্যমে বেগুন বাস্তি বা প্রতিষ্ঠান কর্তৃক সরকারী বা আধা-সরকারী বা স্বায়ত্তশাসিত প্রতিষ্ঠানের মালিকানাধীন বা মশখাধীন বা ব্যক্তিগতমালিকানাধীন গাছাড়া ও টিলা কর্তন ও/বা মোচন (Cutting and or razing) করা যাবে না।
- আলোচ্য প্রকল্পের কার্যক্রমের মাধ্যমে কোন নদী/খাল/বিল/হাওর/বাওড়া/দিঘি/পুকুর/ঘর্ণা/ঘলশায় ভরাট করা যাবে না।
- বাংলাদেশ পরিবেশ সংরক্ষণ আইন, ১৯৯৫ (সংশোধিত ২০১০) এবং পরিবেশ সংরক্ষণ বিধিমালা, ১৯৯৭ নোভোবেক আলোচ্য পয়ঃবর্জ্য শোধনাগার প্রকল্পটি লাল-স্বর্ণীভুক্ত। এ ধরনের প্রকল্পের ক্ষেত্রে বিধি অনুযায়ী পরিবেশ অধিদপ্তর হতে প্রথমে অবস্থানপত্র (অথবা পরিবেশপত্র প্রভাব নিরূপণ (ইআইএ)-এর কার্যপরিধি অনুমোদন), পরবর্তীকালে পরিবেশপত্র প্রভাব নিরূপণ (ইআইএ) অনুমোদন এবং সবশেষে পরিবেশপত্র ছাড়পত্র গ্রহণ করতে হবে।
- প্রকল্পের বাস্তবায়ন অগ্রগতি পরিবীক্ষণ সংক্রান্ত কমিটিতে পরিবেশ অধিদপ্তরের সংশ্লিষ্ট কার্যালয়ের একজন প্রতিনিধি অন্তর্ভুক্ত করতে হবে।
- প্রকল্প বাস্তবায়নকালীন সময়ে পরিবেশ অধিদপ্তর কর্তৃক অন্য কোন নির্দেশনা প্রদত্ত হলে তা যথাযথভাবে অনুসরণ করতে হবে।
- এই অনাপত্তিপত্র ভূমির মালিকানা স্বত্ব নির্যাসন করে না।

ব্যবস্থাপনা পরিচালক
খুলনা পানি সরবরাহ প্রকল্প, খুলনা পানি সরবরাহ ও পয়ঃনিষ্কাশন কর্তৃপক্ষ
৭ নং বুদ্ধভেন্ট জেটি ঘাট রোড, খালিশপুর, খুলনা-৯০০০।

অনুলিপিঃ

- ১) পরিচালক, পরিবেশ অধিদপ্তর, খুলনা বিভাগীয় কার্যালয়, খুলনা।
- ২) স্বাক্ষরী পরিচালক, মহাপরিচালক মহোদয়ের শাখা, পরিবেশ অধিদপ্তর, সদর দপ্তর, ঢাকা।

১৫/০৪/১৯

১৫/০৪/১৯

১৫/০৪/১৯

(Translation) NOC from DOE (STP -1)

Summary of the Letter (NoC) from DOE

Date : 07/04/2019

Subject: DoE is issuing this NOC to KWASA to acquire 12.00 acres of land at Labanchara under the Khulna Sewerage System Development Project.

Based on the request letter from KWASA (Reff: 46.07.000.01.33.000.014-3995), Dated 25/11/2018 the DOE is issuing this NOC for KWASA to construct STP in Khulna City under the Khulna Sewerage System Development Project upholding following regulations:

- A. The project activity should not cause any negative impacts on the surrounding environment (Example: soil, water and air)
- B. The project activity can not affect surrounding biodiversity and trees/forest. Also the project activity can no hamper the flow of water bodies or canals.
- C. Generated solid wastes should be collected as per solid waste management plan and disposed of in a safety manner or reuse where possible
- D. The project activity should adhere Green Building Concept. Also the project activity should Harvest Rain Water, Sewage Treatment Plan (STP) and follow the National Building Code where applicable
- E. This project should adopt proper actions to control noise pollution and those actions should be operational at all the time. The noise limit should be within the National Standard of Noise Pollution (Control) Rule 2006
- F. There should be 33% green zone upon plantation of fruits and woody tree
- G. The project should adopt Fire Safety Management procedures. To implement project activity all kind of Occupational Health and Safety measures should be adopted for the workers
- H. Under this project activity no individual or institution should cutting and or razing any hills or tilla occupied by any government or private or autonomous body
- I. Under this project activity river, ditch, canal, Beel, Hawor, Baor, pond, waterfalls, or water bodies cannot be filled up
- J. According to the Environmental Conservation Act, 1995 (amendment 2010) and Environmental Conservation Rule, 1997 the Sewage Treatment Plant (STP) is a Red category project. Under such kind of project as per rules at first No Objection Certificate (or Initial Environmental Certificate – IEE approval) and later on the Environmental Impact Assessment (EIA) approval required and then at last the Environmental Clearance Certificate need to be approved.
- K. h) To oversee and monitor the project activity an official from Department of Environment should be incorporated in the Monitoring and Supervision Committee.
- L. Any other instructions given by the Department of Environment (DOE) during the project implementation time, need to be followed accordingly
- M. This NOC is not assure the ownership of the land

(Sayed Nazmul Ahsan)
Director (Environmental Clearance)

To
Managing Director, KWASA

Carbon Copy (CC) to

1. Director, Department of Environment, Khulna
2. Additional Director, Department of Honourable Director General, Department of Environment, Dhaka

NOC from DOE (STP-2)

MR. MUJIBUR
16/11/19

খুলনা ওয়াসা
ডকেট নং- ২১৭৭
তারিখঃ- ১/৪

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পরিবেশ অধিদপ্তর
পরিবেশ ভবন, ই/১৬ আগারগাঁও
শেরে বাংলা নগর, ঢাকা-১২০৭
www.doe.gov.bd

| অফিসার | অধিঃ কক্ষ/পদ | স্বাক্ষর |
|------------------------------------|----------------------|---------------------|
| উপ-ব্যবস্থাপনা পরিচালক (অঃ ও প্রঃ) | উপ-ব্যবস্থাপনা কক্ষ | |
| উপ-ব্যবস্থাপনা পরিচালক (প্রশাসনঃ) | পরিচালনা পরিচালক নিন | |
| সচিব | অফিস কক্ষ | |
| প্রকল্প পরিচালক | নথীভুক্ত কক্ষ | |
| শ্রদ্ধ পরিচালক | | |
| তারিখঃ | | ব্যবস্থাপনা পরিচালক |

২৪ টি ১৪২৫
০৭ এপ্রিল ২০১৯

বিষয়ঃ খুলনা ওয়াসা কর্তৃক বাস্তবায়নধীন "খুলনা শহরে পয়ঃনিষ্কাশন ব্যবস্থা নির্মাণের জন্য ভূমি অধিগ্রহণ" শীর্ষক প্রকল্পের জন্য খুলনা জেলার বাটায়ারাটা উপজেলার টিকরাবন্দ মৌজায় কসবেশি ২২.০০ (শেইখ) একর ভূমি অধিগ্রহণের জন্য অনাপত্তিপত্র

সূত্রঃ খুলনা পানি সরবরাহ ও পয়ঃনিষ্কাশন কর্তৃপক্ষ হতে প্রাপ্ত পত্র সংখ্যা: ৪৬.০৭.০০১.০১.৩৩.০০১.১৮-৪০৮৭ তারিখঃ ১৪/০২/২০১৯

উপর্যুক্ত বিষয় ও সূত্রের পরিপ্রেক্ষিতে জানানো যাচ্ছে যে, খুলনা ওয়াসা কর্তৃক বাস্তবায়নধীন "খুলনা শহরে পয়ঃনিষ্কাশন ব্যবস্থা নির্মাণের জন্য ভূমি অধিগ্রহণ" শীর্ষক প্রকল্পের জন্য খুলনা জেলার বাটায়ারাটা উপজেলার টিকরাবন্দ মৌজায় কসবেশি ২২.০০ (বাইশ) একর ভূমি অধিগ্রহণের জন্য নিম্ন বর্ণিত বিষয়াদি প্রতিপালনের শর্তে অত্র দপ্তর হতে নির্দেশক্রমে অনাপত্তি প্রদান করা হলোঃ

- আলোচ্য প্রকল্পের কার্যক্রমের মাধ্যমে যাতে পারিপার্শ্বিক পরিবেশ যেথাঃ মাটি, পানি, বায়ু-এর উপর কোন বিরূপ প্রভাব না পড়ে সে বিষয়ে যথাযথ ব্যবস্থা গ্রহণ করতে হবে।
- প্রকল্পের কার্যক্রমের আওতায় পারিপার্শ্বিক জীববৈচিত্র্য ও বন/গাছপালা ক্ষতিগ্রস্ত করা যাবে না এবং প্রাকৃতিকভাবে সৃষ্ট নর্দমা ও খালের প্রবাহ কোনভাবেই বিঘ্ন করা যাবে না।
- এ প্রকল্প কার্যক্রমে সৃষ্ট কঠিন বর্জ্য পরিষ্কার উৎপাদে সংগ্রহপূর্বক পরিবেশসংরক্ষণে নিরাপদ অপসারণ অথবা পুনঃব্যবহারের ব্যবস্থা করতে হবে।
- আলোচ্য প্রকল্প কার্যক্রমে Green Building Concept-সমূহ যথাযথভাবে অনুসরণ করতে হবে। নবায়নযোগ্য জ্বালানী (সৌরশক্তি) ব্যবহার, বৃষ্টির পানি সংরক্ষণ (Rain Water Harvesting), Sewage Treatment Plant (STP) ইত্যাদির ব্যবস্থা রাখতে হবে এবং প্রয়োজ্য ক্ষেত্রে বাংলাদেশ ন্যাশনাল বিল্ডিং কোড যথাযথভাবে অনুসরণ করতে হবে।
- এ প্রকল্প কার্যক্রমের আওতায় মৃৎ নিষ্কাশনের জন্য যথাযথ ব্যবস্থাদি গ্রহণপূর্বক তা সর্বদা কার্যক্রম রাখতে হবে এবং শব্দের মানমাত্রা শব্দ মূষণ (নিয়ন্ত্রণ) বিধিমালা-২০০৬ এর মধ্যে থাকতে হবে।
- প্রকল্প এলাকার ন্যূনতম ৩৩% জায়গা ফলাদ ও বনজ পাছ লাগিয়ে সবুজায়ন করতে হবে।
- ভূমি নির্মাণকরণে যথাযথ ব্যবস্থাদি গড়ে তুলতে হবে। এ প্রকল্প কার্যক্রমের বাস্তবায়নে কর্মরত শ্রমিকদের পেশাগত স্বাস্থ্য রক্ষার্থে সকল ব্যবস্থা গ্রহণ করতে হবে।
- আলোচ্য প্রকল্পের কার্যক্রমের মাধ্যমে কোন ব্যক্তি বা প্রতিষ্ঠান কর্তৃক সরকারী বা আধা-সরকারী বা স্বায়তশাসিত প্রতিষ্ঠানের মালিকানাধীন বা দখলাধীন বা ব্যক্তিমালিকানাধীন গাছাড়া ও টিয়া কর্তন ও/বা মোচন (Cutting and or razing) করা যাবে না।
- আলোচ্য প্রকল্পের কার্যক্রমের মাধ্যমে কোন নদী/খাল/বিল/হাওর/বাওড়/দিঘি/পুকুর/কর্ণা/জলাশয় ভরাট করা যাবে না।
- বাংলাদেশ পরিবেশ সংরক্ষণ আইন, ১৯৯৫ (সংশোধিত ২০১০) এবং পরিবেশ সংরক্ষণ বিধিমালা, ১৯৯৭ মোতাবেক আলোচ্য পয়ঃনিষ্কাশন প্রকল্পটি লাল-শ্রেণীভুক্ত। এ ধরনের প্রকল্পের ক্ষেত্রে বিধি অনুযায়ী পরিবেশ অধিদপ্তর হতে প্রথমে অবস্থানপত্র অর্থাৎ পরিবেশ পত্র নিবন্ধন (ইআইএ)-এর কার্যপরিষি অনুমোদন, পরবর্তীকালে পরিবেশ পত্র নিবন্ধন (ইআইএ) অনুমোদন এবং সবশেষে পরিবেশপত্র ছাড়পত্র গ্রহণ করতে হবে।
- প্রকল্পের বাস্তবায়ন অগ্রগতি পরিবীক্ষণ সংক্রান্ত কর্মসূচিতে পরিবেশ অধিদপ্তরের সংশ্লিষ্ট কার্যালয়ের একজন প্রতিনিধি অন্তর্ভুক্ত করতে হবে।
- প্রকল্প বাস্তবায়নকালীন সময়ে পরিবেশ অধিদপ্তর কর্তৃক অন্য কোন নির্দেশনা প্রদত্ত হলে তা যথাযথভাবে অনুসরণ করতে হবে।
- এই অনাপত্তিপত্র ভূমির মালিকানা স্বত্ব নির্ধারণ করে না।

০৭/০৪/১৯
সৈয়দ নজরুল আহসান
পরিচালক (পরিবেশপত্র ছাড়পত্র)
ফোনঃ ৮১৮১৬৭৩

ব্যবস্থাপনা পরিচালক
খুলনা পানি সরবরাহ প্রকল্প, খুলনা পানি সরবরাহ ও পয়ঃনিষ্কাশন কর্তৃপক্ষ
৭ নং ব্লকডেস্ট জেটি হাট রোড, খালিশপুর, খুলনা-৯০০০।

অনুলিপিঃ

- পরিচালক, পরিবেশ অধিদপ্তর, খুলনা বিভাগীয় কার্যালয়, খুলনা।
- সহকারী পরিচালক, মহাপরিচালক মহোদয়ের শাখা, পরিবেশ অধিদপ্তর, সদর দপ্তর, ঢাকা।

০৮/০৪
২০১৯

(Translation) NOC from DOE (STP -2)

Summary of the Letter (NoC) from DOE

Date : 07/04/2019

Subject: DoE is issuing this NOC to KWASA to acquire 22.00 acres (more or less) under Tikrbandh Mouja, Batiaghata Upazila of Khulna District to acquire land under the Khulna Sewerage System Development Project.

Based on the request letter from KWASA (Reff: 46.07.000.01.33.000.018-4087), Dated 14/02/2019 the DOE is issuing this NOC for KWASA to construct STP in Khulna City under the Khulna Sewerage System Development Project upholding following regulations:

- A. The project activity should not cause any negative impacts on the surrounding environment (Example: soil, water and air)
- B. The project activity can not affect surrounding biodiversity and trees/forest. Also the project activity can no hamper the flow of water bodies or canals.
- C. Generated solid wastes should be collected as per solid waste management plan and disposed of in a safety manner or reuse where possible
- D. The project activity should adhere Green Building Concept. Also the project activity should Harvest Rain Water, Sewage Treatment Plan (STP) and follow the National Building Code where applicable
- E. This project should adopt proper actions to control noise pollution and those actions should be operational at all the time. The noise limit should be within the National Standard of Noise Pollution (Control) Rule 2006
- F. There should be 33% green zone upon plantation of fruits and woody tree
- G. The project should adopt Fire Safety Management procedures. To implement project activity all kind of Occupational Health and Safety measures should be adopted for the workers
- H. Under this project activity no individual or institution should cutting and or razing any hills or tilla occupied by any government or private or autonomous body
- I. Under this project activity river, ditch, canal, Beel, Hawor, Baor, pond, waterfalls, or water bodies cannot be filled up
- J. According to the Environmental Conservation Act, 1995 (amendment 2010) and Environmental Conservation Rule, 1997 the Sewage Treatment Plant (STP) is a Red category project. Under such kind of project as per rules at first No Objection Certificate (or Initial Environmental Certificate – IEE approval) and later on the Environmental Impact Assessment (EIA) approval required and then at last the Environmental Clearance Certificate need to be approved.
- K. To oversee and monitor the project activity an official from Department of Environment should be incorporated in the Monitoring and Supervision Committee.
- L. Any other instructions given by the Department of Environment (DOE) during the project implementation time, need to be followed accordingly
- M. This NOC is not assure the ownership of the land

(Sayed Nazmul Ahsan)
Director (Environmental Clearance)

To
Managing Director, KWASA

Carbon Copy (CC) to

1. Director, Department of Environment, Khulna
2. Additional Director, Department of Honourable Director General, Department of Environment, Dhaka

Application for ECC

[Environment Conservation Rules, 1997]

FORM - 3

Application for Environmental Clearance Certificate

[See Rule 7(5)]

Director/Deputy Director, Department of
Environment,

Dhaka Division Chittagong Division/Khulna Division Rajshahi Division (Bogra) ১৩ তারিখ: ১৯/১২/১৯

Sir,

| | |
|------------------------------|-------------|
| পরিবেশ অধিদপ্তর, খুলনা বিভাগ | |
| স্বীকৃত | |
| তারিখ: | ১৯/১২/১৯ |
| স্বাক্ষর: | [Signature] |

I do hereby apply for Environmental Clearance Certificate for my proposed industrial unit or project, or for the existing industrial unit or project, and enclose papers and furnish information as follows

- | | |
|---|---|
| 1. (a) Name of the industrial unit or project | Khulna Sewerage System Development Project |
| Address of location of the industrial unit or project | Khulna Water Supply and Sewerage Authority, Street 7 No Roosevelt Jetty Ghat, Joragata, Khalispur Floor Room number 2nd Floor City: Khulna ZIP Code 9000 Country: Bangladesh |
| (b) Address of present office | Khulna Water Supply and Sewerage Authority, Street 7 No Roosevelt Jetty Ghat, Joragata, Khalispur Floor Room number 2nd Floor City: Khulna ZIP Code 9000 Country: Bangladesh |
| 2. (a) Proposed industrial unit or project | |
| Expected date of starting construction | : 20-07-01 |
| Expected date of completion of construction | : 2025-12-31 |
| Expected date of trial production in case of Industrial unit, in other cases, date of starting operation of the project | : 2026-01-01 |
| (b) Existing industrial unit or project | |
| Date of starting trial production in case of industrial unit, in other cases, date of starting operation of the project | : |
| 3. Name of product and quantity to be produced (daily/monthly/yearly) | 2400000 Liter Daily |
| 4. (a) Name of raw materials and quantity required (daily/monthly/yearly) | : 80000000 Liter Daily |
| (b) Source of raw material | : Household sewage |
| 5. (a) Quantity of water to be used daily | : 80000000 Liter |
| (b) Source of water | : Groundwater |
| 6. (a) Name of fuel and quantity required (daily/monthly/yearly) 17991 khw Daily | : Solar and electricity, |
| (b) Source of fuel | : Solar and grid |

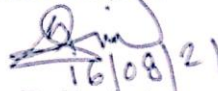
[Form-3 Contd.]

- 7 (a) Probable quantity of daily liquid waste : 77.6 MLD Effluent after treatment
 (b) Location of waste discharge : Rupsa and Hogladanga canal
 (c) Probable quantity of daily emission of gaseous substance :
 (d) Mode of emission of gaseous substance :
 8 Mouza (village) map indicating "Daag" (plot) number and "Khatiyar" (land tax account) number : Yes
 9 Approval of Rajdhani Unnayan Katrapakkhya/ Chittagong Development Authority/ Khulea Development Authority/ Rajshahi Development Authority (if applicable) : Yes
 10 (a) Design & time schedule of proposed Effluent Treatment Plant : Yes
 (b) Fund allocation: 4500 million BDT
 (c) Area : 36 acres
 11 Process Flow Diagram : Yes
 12 (a) Location map of industrial unit or project : Yes
 (b) Layout plan (with location of Effluent Treatment Plant) : Yes
 13 (a) H₂/IEA report (if applicable) : Yes
 (b) Environmental Management Plan* (if applicable) : Yes
 14 Feasibility Report (if applicable) : Yes

Seal

Khan Salim Ahmed
 Project Director
 Khulna Sewerage System Development Project
 Khulna WASA, Khulna.


Signature of the entrepreneur


 16/08/21

Name: Khan Salim Ahmed
 Address: Khulna Water Supply and Sewerage Authority (Khulna WASA), Street: 7 No. Roosevelt Jetty Ghat Road, Joragate, Khulna
 Floor/Room number: 2nd Floor City: Khulna ZIP Code: 9000 Country: Bangladesh
 Phone: 01715-602241
 Date:

*) Declaration:-

I do hereby declare that all information provided by me in this application are true to the best of my knowledge and no information has been concealed or distorted herein.


 14/08/21
 (Name & signature of entrepreneur)

- * Each page be countersigned by the person who fills out this **Project Director** and by the entrepreneur
Khan Salim Ahmed
 Project Director
 Khulna Sewerage System Development Project
 Khulna WASA, Khulna.

'শেখ হাসিনার বাংলাদেশ
পরিষ্কৃত পরিবেশ'



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পরিবেশ অধিদপ্তর
খুলনা বিভাগীয় কার্যালয়
পরিবেশ ভবন, বয়রা, খুলনা।
www.doe.khulnadiv.gov.bd

স্মারক নং: ২২.০২.৪০৪৭.০১৬.৭২.০১১.২১. ৬৪২

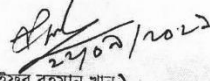
তারিখ: ০৭ আশ্বিন, ১৪২৮
২২ সেপ্টেম্বর, ২০২১

বিষয়: পরিবেশগত ছাড়পত্র।

সূত্র: পরিবেশ অধিদপ্তর, খুলনা বিভাগীয় কার্যালয়ের ১৭/০৮/২০২১ খ্রি. তারিখের ৪৩ নম্বর অফিস জার্মী।

উপর্যুক্ত বিষয় ও সূত্রোক্ত পত্রের প্রেক্ষিতে জানানো যাচ্ছে যে, খুলনা জেলাস্থ ওয়াসা কর্তৃক বাস্তবায়নধীন খুলনা জেলার বিভিন্ন উপজেলার বিভিন্ন মৌজায় স্যুরেজ পাম্পিং স্টেশন ও স্যুরেজ ট্রিটমেন্ট প্লান্ট এর অনুকূলে পরিবেশগত ছাড়পত্র চেয়ে এ দপ্তরে আবেদন করা হয়। আবেদনের প্রেক্ষিতে এ দপ্তরের উপপরিচালক, সহকারী পরিচালক ও পরিদর্শক সমন্বয়ে গঠিত টিম কর্তৃক প্রস্তাবিত এলাকাগুলি সরেজমিনে পরিদর্শন করা হয়। পরিদর্শনকালে দেখা যায় যে, প্রস্তাবিত স্থানগুলিতে স্যুরেজ পাম্পিং স্টেশন ও স্যুরেজ ট্রিটমেন্ট প্লান্ট নির্মাণের কোন কার্যক্রম অদ্যাবধি শুরু হয়নি। বাংলাদেশ পরিবেশ সংরক্ষণ বিধিমালা, ১৯৯৭ অনুযায়ী আলোচ্য প্রকল্পের যন্ত্রপাতি স্থাপনসহ যাবতীয় কার্যক্রম শেষ না হওয়া পর্যন্ত পরিবেশগত ছাড়পত্র প্রদান করা সম্ভব হচ্ছে না।

০২। এমতপ্রেক্ষিতে, আলোচ্য প্রকল্পের যন্ত্রপাতি স্থাপনসহ যাবতীয় কার্যক্রম সম্পন্নপূর্বক পরিবেশগত ছাড়পত্র গ্রহণের লক্ষ্যে এ দপ্তরে আবেদন করার জন্য অনুরোধ করা হলো।


(সাইফুর রহমান খান)
পরিচালক
ফোন: ০৪১-২৮৫০১২১

প্রকল্প পরিচালক
খুলনা পয়ঃনিষ্কাশন ব্যবস্থা উন্নয়ন প্রকল্প
খুলনা ওয়াসা, খুলনা।

অনুলিপি: সদয় অবগতির জন্য

- ১। সহকারী পরিচালক, মহাপরিচালক মহোদয়ের শাখা, পরিবেশ অধিদপ্তর, সদর দপ্তর, ঢাকা।
- ২। অফিস কপি।

Government of the People's Republic of Bangladesh
Department of Environment
Khulna Divisional Office
Probish Bhaban, Boyra, Khulna
www.doe.khulnadiv.gov.bd

Reff No: 22.02.4047.016.72.011.21.842

Date: 22 September, 2021

Subject: Regarding Environmental Clearance Certificate

Source: Department of Environment, Khulna Divisional Office, Date 17/08/2021, Office Dairy No. 43

01. Based on the subjected matter and the reference letter, please informed that, Khulna WASA has applied for Environmental Clearance Certificate (ECC) against ongoing installation of pumping station and sewerage treatment plant in different Upazilas and Moujas under Khulna District. Based on the application, a team consists of the Additional Director, Deputy Director and Inspector, visited the proposed locations. During the visit the team observed that, working activities related to installation of pumping station and sewerage have not started. As per the Bangladesh Environmental Conservation Rule, 1997, it is not possible to issue an ECC until finishing the construction works and installation machineries of the said project.

02. Therefore, it has been advised to apply for ECC after completion the construction works and installation machineries of the project.

(Saifur Rahman Khan)
Director
Phone: 041: 2850121

To
Project Director
Khulna Sewerage System Development Project
Khulna WASA, Khulna

CC to:

1. Assistant Director, Director General's Office, Head Quarter, Dhaka
2. Office Copy

শেখ হাসিনার বাংলাদেশ
পরিচ্ছন্ন পরিবেশ

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পরিবেশ অধিদপ্তর
খুলনা বিভাগীয় কার্যালয়
পরিবেশ ভবন বয়রা, খুলনা।

<http://doe.khulnadiv.gov.bd>



স্মারক নং-২২. ০২.৪০৪৭.০১৬.৭২.০১১.২১ ৭৭

০৬ মাঘ ১৪২৮ বঙ্গাব্দ।
তারিখ: ১৭/০১/২০২২ খ্রিষ্টাব্দ

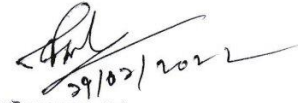
বিষয়ঃ খুলনা শহরে পয়ঃনিষ্কাশন ব্যবস্থা নির্মাণ প্রকল্পের সুয়ারেজ ট্রিটমেন্ট প্লান্ট (এসটিপি-১), মৌজা-মাথাভাঙ্গা, উপজেলা: বটিয়াঘাটা, জেলা খুলনা, সুয়ারেজ ট্রিটমেন্ট প্লান্ট (এসটিপি-২), মৌজা-ঠিকরাবন্দ, উপজেলা: বটিয়াঘাটা, জেলা: খুলনা এবং সংশ্লিষ্ট প্রকল্পের আট (৮) টি পাম্প স্টেশন এর (সংযুক্ত পরিদর্শন প্রতিবেদন) ও প্রয়োজনীয় কাগজপত্র প্রেরণ প্রসংগে।

উপর্যুক্ত বিষয়ের পরিপ্রেক্ষিতে জানানো যাচ্ছে যে, খুলনা শহরে পয়ঃনিষ্কাশন ব্যবস্থা নির্মাণ প্রকল্প সুয়ারেজ ট্রিটমেন্ট প্লান্ট (এসটিপি-১), মৌজা-মাথাভাঙ্গা, উপজেলা: বটিয়াঘাটা, জেলা খুলনা, সুয়ারেজ ট্রিটমেন্ট প্লান্ট (এসটিপি-২), মৌজা-ঠিকরাবন্দ, উপজেলা: বটিয়াঘাটা, জেলা: খুলনা এবং সংশ্লিষ্ট প্রকল্পের আট (৮) টি পাম্প স্টেশন নামক প্রতিষ্ঠানের অনুকূলে পরিবেশগত ছাড়পত্রের জন্য এ কার্যালয়ে আবেদন করেন। আবেদনের প্রেক্ষিতে এ কার্যালয় হতে সরেজমিনে পরিদর্শন করা হয়েছে। উল্লেখ্য যে অবস্থানগত ছাড়পত্র ব্যতিরেকে কোন প্রতিষ্ঠান/প্রকল্পের পরিবেশগত ছাড়পত্র প্রদান নিয়ম বর্হিভূত বিধায় সংশ্লিষ্ট প্রকল্পের কার্যক্রম গ্রহণ করা সম্ভব হয়নি।

উল্লেখিত দুই (২) টি সুয়ারেজ ট্রিটমেন্ট প্লান্ট ও আট (৮) টি পাম্প স্টেশন খুলনা মহানগরীর বিভিন্ন স্থানে অবস্থিত হলেও সেগুলি মূলত Khulna Sewerage System Development Project- এর আওতাভুক্ত হওয়ায় সব গুলি উপ প্রকল্পের একত্রে ছাড়পত্র প্রয়োজন এবং ইতোপূর্বে পরিবেশ অধিদপ্তর সদর দপ্তর হতে ০১/০২/২০১০ খ্রি. তারিখের DOE/Clearance/5024/2010/19 স্মারকমূলে অনুরূপ অনুমোদনের দৃষ্টান্ত (precedence) রয়েছে।

ফলে সার্বিক বিবেচনায় বর্ণিত দুই (২) টি সুয়ারেজ ট্রিটমেন্ট প্লান্ট ও আট (৮) টি পাম্প স্টেশন কে অভিন্ন Khulna Sewerage System Development Project- প্রকল্পের অন্তর্গত বিবেচনা করে দাখিলকৃত কাগজপত্র মহোদয়ের সদয় অবগতি ও প্রয়োজনীয় ব্যবস্থা গ্রহণের জন্য এতদসঙ্গে প্রেরণ করা হলো।

১. নির্ধারিত ফরমে আবেদন
২. সাধারণ তথ্যাবলী
৩. ছাড়পত্র ফি বাবদ (পূর্ণ প্রকল্পের একই সাথে-৫০০০০০/-) টাকা জমা প্রদান
৪. ভ্যাট বাবদ ৭৫০০০/- টাকা
৫. একনেক কতৃক খুলনা শহরে পয়ঃনিষ্কাশন ব্যবস্থা উন্নয়ন শীর্ষক প্রকল্পের অনুমোদন পত্র
৬. পরিবেশ অধিদপ্তর সদর দপ্তর কর্তৃক প্রদত্ত ছুমি অধিগ্রহণের অনাপত্তিপত্র
৭. ছুমি মন্ত্রণালয়ের অনুমোদন কপি
৮. খুলনা উন্নয়ন কতৃপক্ষের ছুমি অধিগ্রহণের ছাড়পত্র
৯. প্রসেস ফ্লো-ডায়াগ্রাম
১০. লে- আউট প্রান
১১. খুলনা সিটি কর্পোরেশনের সম্মতিপত্র
১২. এসটিপির ডিজাইন
১৩. ট্রেড লাইসেন্স
১৪. আইইইই প্রতিবেদন
১৫. মৌজাম্যাপ
১৬. জায়গার মালিকানা সংক্রান্ত কাগজপত্র
১৭. সরেজমিনে পরিদর্শন প্রতিবেদন এবং অবস্থান চিত্র


১৭/০১/২০২২

(সাইয়িউর রহমান খান)
পরিচালক

ফোনঃ ০২-৪৭৭৭০৩১২১

প্রাপক:

মহাপরিচালক

পরিবেশ অধিদপ্তর

ঢাকা।

(দৃষ্টি আকর্ষণ-সহকারী পরিচালক (ইআএ) ও সদস্য সচিব, পরিবেশগত ছাড়পত্র বিষয়ক কমিটি, পরিবেশ অধিদপ্তর, সদর দপ্তর, ঢাকা)।

বিতরণ:

ব্যবস্থাপনা পরিচালক, খুলনা শহরে পয়ঃনিষ্কাশন ব্যবস্থা নির্মাণ প্রকল্প খুলনা মেয়াদা খুলনা।

Reff No 22.02.4047.016.72.011.21.77

Date: 17.01.2022

Subject: Under the Khulna Sewerage System Development Project. the Sewerage Treatment Plant (STP-1), Mouza: Mathabhanga, Upazial Batiaghata, District Khulna, Sewerage Treatment Plant (STP-2), Mouza- Tikrabandh, Upazila: Batiaghat, District Khulna and relevant to this project 08 Pump Stations (attached site visit report) and relevant papers submission

Referring the subjected matter it is going to be informed that Under the Khulna Sewerage System Development Project in Khulna city the Sewage Treatment Plant (STP-1), Mouza: Mathabhanga, Upazila Batiaghata, District Khulna, Sewage Treatment Plant (STP-2), Mouza- Tikrabandh, Upazila: Batiaghat, District Khulna and relevant to this project 08 Pump Stations going to be established and applied for ECC to the DOE. Based on the application the DOE team members visited the sites. Its worth mentioning without having the site clearance certificate no organization or project can get ECC, as a result no activities under the project started yet.

Although, two sewerage treatment plant (STPs) and 08 Pump Stations will be installed in different locations of the city, those subprojects are mainly under the Khulna Sewerage System Development Project all the sub projects requires ECC together. However, there are precedence available as per the reff DOE/Clearance/5024/2010/19 (Dated 01/02/2010).

Under this circumstances requesting you to consider the two sewerage treatment plant (STPs) and 08 Pump Stations under the Khulna Sewerage System Development Project I am sending you necessary documents for your kind observation and also requesting you take necessary actions.

1. Application for
2. General information
3. Clearance Fees (5 lac BDT)
4. VAT 75000/-
5. Land Acquisition approval from DOE
6. ECNEC's approved Project DPP
7. Land Ministry approval
8. Khulna Development Authority's Land Acquisition Approval
9. Process flow Diagram
10. Layout Plan
11. KCC's letter of consent
12. STP design
13. Trade License
14. IEE Report
15. Mouza Map
16. Land ownership documents
17. Field visit report and images

Saifur Rahman Khan
Director (DOE, Khulna)

To
Director General
Department of Environment (DOE), Dhaka
Attention: Additional Director EIA and Member Secretary Department of Environment (DOE)
Share with
Project Director
Khulna Sewerage System Development Project

Letter from KCC regarding FSM and Road Cutting



খুলনা সিটি কর্পোরেশন

KHULNA CITY CORPORATION

KHULNA, BANGLADESH

Mayor : Off. +88-041-725234, +88-041-725878
Res. +88-041-721801
Fax : +88-041-720946
E-mail : mayorkcc@gmail.com
website : www.khulnacity.org

স্মারক নং- ফেসি/সি/সি/ ২০২০/২০৪০

তারিখ- ২২/১০/২০২০

খুলনা ওয়াসা
কেট নং: ৩২৫০৫
তারিখ: ২২/১০/২০২০

বিষয় : খুলনা ওয়াসার আওতায় “খুলনা পয়ঃনিষ্কাশন ব্যবস্থা উন্নয়ন প্রকল্প” এর প্রস্তুতিমূলক কাজ নির্ধারিত সময়ের মধ্যে সম্পন্ন করার উদ্দেশ্যে এশীয় উন্নয়ন ব্যাংক (এডিবি) এর চাহিদার পরিপ্রেক্ষিতে খুলনা সিটি কর্পোরেশন থেকে সম্মতি প্রদান সংক্রান্ত।

খুলনা ওয়াসার স্মারক নং- ৪৬.০৭.০০০০.০০১.৩৩.০০১.১৮-৪৮৮৬ তারিখঃ ১২/১০/২০২০ খ্রিঃ

এবং

২২/১০/২০২০ তারিখ অনুষ্ঠিত দ্বিপাক্ষিক মতবিনিময় সভা।

উপর্যুক্ত বিষয় ও সূত্রস্থ স্মারকের পরিপ্রেক্ষিতে ২২/১০/২০২০ খ্রিঃ তারিখে খুলনা সিটি কর্পোরেশনের মাননীয় মেয়র মহোদয়ের সভাপতিত্বে অনুষ্ঠিত দ্বিপাক্ষিক সভায় খুলনা ওয়াসার সূত্রে বর্ণিত পত্রে উপস্থাপিত বিষয়গুলোর উপর বিস্তারিতভাবে আলোচনা ও পর্যালোচনা করে খুলনা সিটি কর্পোরেশন এলাকায় বাস্তবায়িতব্য আলোচ্য “খুলনা পয়ঃনিষ্কাশন ব্যবস্থা উন্নয়ন” শীর্ষক প্রকল্পের কাঙ্ক্ষিত সুফল উপকারভোগীদের জন্য নিশ্চিত করার লক্ষ্যে এবং এশীয় উন্নয়ন ব্যাংক (এডিবি) এর চাহিদার প্রেক্ষিতে প্রকল্পের কাজ সময়মত সুষ্ঠুভাবে বাস্তবায়ন করার স্বার্থে নিম্নে উল্লেখিত বিষয়সমূহে খুলনা সিটি কর্পোরেশন থেকে নির্দেশক্রমে সম্মতি প্রদান করা হলঃ

- আলোচ্য প্রকল্পের আওতায় Fecal Sludge Management (FSM) কার্যক্রম এবং জনসচেতনতামূলক সকল স্যানিটেশন কার্যক্রম (Inclusive Sanitation) খুলনা ওয়াসা ও খুলনা সিটি কর্পোরেশন থেকে সমন্বিতভাবে বাস্তবায়ন করা।
- খুলনা ওয়াসার প্রকল্পের আওতায় যে সকল এলাকায় স্যুরার পাইপ লাইন নির্মাণ করার পরও ঐ সকল এলাকার যে সমস্ত বাসগৃহে কারিগরি সীমাবদ্ধতার কারণে সংযোগ প্রদান করা সম্ভব হবে না, সিটি কর্পোরেশন কর্তৃক ঐ সকল বাসগৃহ থেকে যথানিয়মে Fecal Sludge ভেটুটিয়গ এর মাধ্যমে পরিবহন করে খুলনা ওয়াসা কর্তৃক নির্মিতব্য Fecal Sludge Treatment Plant- এ পৌঁছানোর ব্যবস্থা গ্রহণ।
- প্রকল্পের আওতায় দুইটি পয়ঃশোধনগারে বর্জ্য পানি পরিশোধনের পর যে কঠিন অংশ অবশিষ্ট থাকবে তা প্রয়োজন অনুযায়ী স্থানান্তরের জন্য খুলনা সিটি কর্পোরেশনের Land Filling এর জমি ব্যবহার।
- স্যুরার পাইপ লাইন স্থাপনের নিমিত্ত রাস্তা কাটার জন্য প্রয়োজনীয় ফি/কাগজপত্র খুলনা সিটি কর্পোরেশনের অনুকূলে জমাদান সাপেক্ষে রাস্তা খননের অনুমতি প্রদান।

ব্যবস্থাপনা পরিচালক
খুলনা ওয়াসা
খুলনা।

| জরুরী | অতিরিক্ত জরুরী | অন্য |
|------------------------------------|----------------|-------------------------------------|
| উপ-ব্যবস্থাপনা পরিচালক (অঃ ও প্রঃ) | | উপস্থাপন কর্তৃক |
| উপ-ব্যবস্থাপনা পরিচালক (প্রকৌঃ) | | প্রয়োজনীয় ব্যবস্থা নিঃ |
| সচিব | | আলাপ করুন |
| প্রকল্প পরিচালক | | নির্ধারিত করুন |
| সহকারী ব্যবস্থাপক | | |
| সি. এ | | |
| তারিখঃ | | ব্যবস্থাপনা পরিচালক খুলনা ওয়াসা |


(পলাশ কান্তি বালু)

প্রধান নির্বাহী কর্মকর্তা
(অতিরিক্ত সচিব)
খুলনা সিটি কর্পোরেশন।
ফোনঃ ০৪১-৭২০৪০৯

অনুলিপিঃ

- সচিব, খুলনা সিটি কর্পোরেশন।
- প্রধান প্রকৌশলী, খুলনা সিটি কর্পোরেশন।
- প্রধান বর্জ্য ব্যবস্থাপনা কর্মকর্তা, খুলনা সিটি কর্পোরেশন।
- নির্বাহী প্রকৌশলী-২, ৩, যান্ত্রিক ও বিদ্যুৎ, খুলনা সিটি কর্পোরেশন।
- চীফ প্লানিং অফিসার, খুলনা সিটি কর্পোরেশন।
- জনাব আনিসুর রহমান, কঞ্জারভেঙ্গী অফিসার, খুলনা সিটি কর্পোরেশন।
- জনাব মুকদ্দাহার এ্যানি, সহকারী কঞ্জারভেঙ্গী অফিসার, খুলনা সিটি কর্পোরেশন।
- সিএ টু মেয়র, কেসিসি, মেয়র মহোদয়ের সদয় অবগতির জন্য।
- সংশ্লিষ্ট নথি।

Khulna City Corporation Khulna Bangladesh

Reff: KCC/PU:B:2020/1341

Date:25/10/2020

Subject: Regarding the approval from the Khulna City Corporation (KCC) based on the demand from Asian Development Bank (ADB), to accomplished project preparation tasks within the timeframe under the Khulna WASA "Khulna Sewerage System Development Project"

Reference: Khulna WASA Reff Leter No: 46.07.00000.001.33.001-4886 Dated: 12/01/2020 and
The joint bilateral meeting held on 22/10/2020.

In view of the above-mentioned subject and reference letters on 22/10/20250 a bilateral meeting chaired by the Khulna City Corporation Mayor discussed and reviewed in detail the issues presented in the Khulna WASA letter in order to ensure the desired benefits to the beneficiaries of the project titled "Development of Khulna Sewerage System" implemented in Khulna City Corporation area in view of the demand of the ADB, in order to implement the work of the project in a timely manner, the following issues have been agreed upon by Khulna City Corporation:

1. Combined implementation of Fecal Sludge Management (FSM) activities and public awareness activities from Khulna WASA and Khulna City Corporation under this project.
2. After the construction of the sewerage pipeline which will not be possible to provide connection to the houses in those areas due to technical constraints under Khulna WASA project, Arrangements will be made by the City Corporation to reach the Fecal Sludge Treatment Plant to be constructed by Khulna WASA by properly transporting through Fecal Sludge Vacu-Tug from those houses.
3. Use of land of Khulna City Corporation for transferring solid waste that remains after treatment of wastewater in two sewage treatment plants under the project.
4. Permission for excavation of road subject to submission of fees/document to Khulna City Corporation for cutting the road for the establishment of sewerage pipeline.

Managing Director
Khulna WASA, Khulna

Palash Kanti Bala
Chief Executive Officer
(Additional Secretary)

Appendix 2: Details of Site Visits conducted by PMC, PIU & PMU Safeguard Staff in the Reporting Period

| Package | Visit date | Expert visited* |
|--------------------------------------|--------------------|---|
| Package : SN-1 | Nov 15-17, 2021 | Md. Kamal Hossain (PEng) Executive Engineer, (KSSDP, KWASA) Khulna |
| SPS-1, Customghat | | |
| SPS-2 Motiyakhali | | |
| SPS-3 Lobonchra Sluice gate | | |
| Package: SN-2 | | |
| SPS-4, Nirala | | |
| SPS-5 Kasimnagoar, Gollamari | | |
| SPS-6 Sonadanga Truck Termina | | |
| SPS- Karimnagoar | | |
| SPS-8 Islamia college Road | | |
| Package: STP-1 | | Md. Ekball Hossain Environmental Safeguard officer (KSSDP, KWASA), Khulna |
| Mathabanga | | |
| Package: STP-2 | | |
| Thikrabandh | | |

Appendix 3: Contractor Monthly EMP Implementation Report & PMC Site Visit Report (this will be provided as applicable in the next applicable SEMR)

Package 1

Package 2

Package 3

Appendix 4: Implementation of COVID-19 Health & Safety Measures(this will be provided as applicable in the next applicable SEMR)

**Appendix 5: Monitoring Reports (Air, Noise, Water Testing Lab reports) – package-wise
Not prepared last 6 months(this will be provided as applicable in the next applicable SEMR)**

Air Monitoring Report:

Noise Monitoring Report:

Ground Water Monitoring Report:

Surface Water Monitoring Report:

Appendix 6: Details of Training and Capacity Building Programs
No training conducted.(this will be provided as applicable in the next applicable SEMR)

Appendix 7: Details of Consultations Conducted (Not conducted, will provide in the next applicable SEMR)

| Date | Place | No of Participants | Nature of participants | Points Discussed | Issue Raised/ Feedback / Remarks |
|------|-------|--------------------|------------------------|------------------|----------------------------------|
| | | | | | |
| | | | | | |
| | | | | • | • |
| | | | | • | • |
| | | | | • | • |
| | | | | • | • |

Document

Please insert images and list of participants

**Appendix 8: Copies of Notifications / Orders for Establishing GRM and GRCs
(GRM & GRC was not established in this Period)**

Appendix 9: Public Complaints received during reporting Period and Pending in Previous Reports (none for the period)

| S. No. | Date of complaint | Package No, | Type of Complaint | Grievance details | Status | Number of days for resolution |
|--------|-------------------|-------------|-------------------|-------------------|--------|-------------------------------|
| | | | | | | |

**Appendix 10: SOUTH ASIA REGIONAL DEPARTMENT
SAUW Environmental Monitoring Report Log Sheet**

| | | | |
|---|--|--------------------------------------|---|
| Project title: | Khulna Sewerage System Development Project | | |
| Grant Number: | | Project Number: | 49329-007 |
| Overall Description and Objectives | The proposed Khulna Sewerage System Development Project (KSSDP) will develop a new sewerage system in Khulna, covering commercial and densely populated areas with about 850,000 population by 2027. The project will specifically support (i) establishment of two sewage treatment plants with a capacity of 80,000 cubic meter (m3) per day and one fecal sludge treatment plant of 160 m3 per day; (ii) construction of 269 kilometers of sewer network; (iii) around 27,000 property level sewer connections; (iv) capacity development of the Khulna Water Supply and Sewerage Authority; and (v) awareness-raising on sanitation and hygiene. | | |
| Approved Categorization | | Category A | Category C |
| | x | Category B | FI |
| Loan Effectivity Date: | | Frequency of Reporting | Semi-Annual |
| Project Officer | Jaemin Nam | | Project Analyst Sheryl V. Yanez |
| Reporting Year | 2021 | Coverage Period | June-November 2021 |
| Date of PMU Submission to ADB | 24 Jan 2022, 28 Feb 2022 | Date of ADB's feedback to PMU | 27 Jan 2022, 15 Mar 2022 |
| | | | |

| Item | Findings in the SEMR/QEMR | Comments | Action/s Required (7 March 2022) | Response by PMU ³ (31 March) |
|---|---|--|--|---|
| A. Project Safeguards Team (check loan agreement and PAM requirements) | | | | |
| PMU ⁴ | Environmental safeguard office is assigned by PMU | None | None | |
| PIU ⁵ | - | Not required in the PAM | None | |
| Consultants | No information on PMSC Environmental Specialist | Engagement of PMSC Environmental Specialist is required per PAM. | Please indicate the status of engagement of PMSC Environmental Specialist, as follows: "Environmental specialist is proposed in the contract of PMSC. However, PMSC asked to replace the expert with a new expert. The process is ongoing." | Done |
| Contractor | No information on the designation of EHS supervisor by the contractor | Designation of Contractor EHS Supervisor is required per PAM | For the awarded contract (SN-1), please indicate the status of designation of Contractor EHS Supervisor, as follows: | Done |

³ PMU to provide detailed response. This log sheet will be attached to the SEMR/QEMR and disclosed on ADB website.

⁴ PMU – project management unit

⁵ PIU – project implementation unit

| Item | Findings in the SEMR/QEMR | Comments | Action/s Required (7 March 2022) | Response by PMU ³ (31 March) |
|--|--|--|---|---|
| | | As of review date, SN-1 and SN-2 are already awarded. | “Mobilization of the contractor’s EHS supervisor for SN-1 and SN-2 will be on 31 March 2022 and 30 April 2022, respectively.” | |
| B. Overall Project and Subproject Description (summarize number and type of packages) ⁶ | | | | |
| Number of Packages with civil works (check if consistent with latest procurement plan) | 3 (SN1, SN2, and STP) | Consistent with PAM | None. | |
| Number of DB/DBO packages and status | Not applicable. | No DB/DBO package | None. | |
| Number of civil works packages and status | SN1- awarded SN2- to be awarded STP- under bidding process | As of report review date, the contract for SN-2 is already awarded (27 Jan 2022). | None. | |
| IEEs cleared for awarded packages? | Yes (Table 7) | Draft IEE (Aug 2020) and Updated IEE (May 2021) are cleared and disclosed in ADB website. To be added under remarks. | To be added under remarks: The IEE-EMPs will be updated in case of change in design/based on detailed design and will be submitted to ADB for clearance and disclosure. | Done |
| Safeguard documents disclosed on project website? | Yes (in ADB website and Project website) (Table 9) | No link is provided | Please provide the link to the disclosed safeguard documents on the project website | Done |
| SEMR information on implementation phase (bidding, on-going, construction, completed, under operation, others) | Yes (Table 2) | None | None | |
| SEMR information on construction activities progress | Not indicated (Table 3). | Per clarification from PD Salim, only Package SN-1 has been awarded during the reporting period. No construction activity has started for the awarded package (SN-1) but survey & mobilization works only. | In Section II of the report: Please indicate that “No construction activity has started for the awarded package (SN-1) but survey & mobilization works only.” In Table 3, please clearly indicate the progress of design and/or construction progress in percentages. | Done |

⁶ DB/DBO – design-build or design, build, and operate or where contractor will finalize the detailed engineering design; civil works contract – sufficient details of the package is known and used as basis for bid/contract’s Technical Specification

| Item | Findings in the SEMR/QEMR | Comments | Action/s Required (7 March 2022) | Response by PMU ³ (31 March) |
|---|---|--|---|---|
| C. Status of compliance with statutory clearances (check IEE for the complete list, summarize the findings for each package – obtained/under application and if obtained, specify validity period) | | | | |
| Environmental Clearance (EC) | Applied. Yet to be received | ECC is required before the start of construction activities. | In Section III, Table 4, please provide an update on the status of ECC issuance in the next SEMR. Note: The ECC must cover all project components (SN-1, SN-2 and STPs) | Done |
| Forest Clearance | SN-1 and SN-2: | None | Please review Tables 4 and 5 and correct inconsistencies (for example: under Table 4, SN-2 NoC is received, but in Table 5, NoC is not listed under SN-2; another example, under Table 4, STP, NoC is not required, but in Table 5, the NoC is listed under STP). | Done |
| No Objection Certificate/Letter | NOC from DoE- Received | | | |
| Site location clearance | | | | |
| Permit/Consent to Construct (or equivalent) | | | | |
| Permit/Consent to Operate (or equivalent) | | | | |
| Road-cutting permit | | | | |
| Utilities shifting permit | | | | |
| Tree-cutting permit | | | | |
| Others (specify) | | | | |
| D. Status of Compliance with grant agreements/covenants (verify items in SEMR with project loan agreement) | | | | |
| Schedule 4, Conditions for Award of Contract The Borrower shall not award any Works contract which involves environmental impacts until: (a) the DOE has granted the final approval of the IEE; and (b) KWASA has incorporated the relevant provisions from the EMP into the Works contract. | Table 6 of the does not indicate the status of compliance. Only compliance remarks provided is on IR Status of compliance with (b) is found in Table 10. | Please see Actions required. | In Table 6, Please indicate the status of compliance (“being complied”) and some remarks (“EC application is ongoing.”) | Done |
| Schedule 4, Safeguards, Environment The Borrower shall ensure, or cause KWASA to ensure, that | Table 6 of the report indicates that EMPs are yet to be prepared. | Per clarification from PD Salim, only Package SN-1 has been awarded during the reporting period. No construction | Please indicate the status of compliance (“being complied”) and some remarks (“EC application is ongoing.”) | Done |

| Item | Findings in the SEMR/QEMR | Comments | Action/s Required (7 March 2022) | Response by PMU ³ (31 March) |
|--|---|--|---|---|
| <p>the preparation, design construction, implementation, operation and decommissioning of the Project and all Project facilities comply with (a) all applicable laws and regulations of the Borrower relating to environment, health, and safety; (b) the Environmental Safeguards; and (c) all measures and requirements set forth in the respective IEE and EMP, and any corrective or preventative actions set forth in a Safeguards Monitoring Report.</p> | | <p>activity has started for the awarded package (SN-1) but survey & mobilization works only.</p> <p>The project is compliant based on the status of project (no construction yet) and the status of permits/clearance.</p> | | |
| <p>Schedule 4, Human and Financial Resources to Implement Safeguards Requirements</p> <p>The Borrower shall ensure, or cause KWASA to ensure, that all necessary budgetary and human resources to fully implement the EMPs and the RP are made available on a timely basis.</p> | <p>Table 6 does not indicate the status of compliance.</p> <p>However, as indicated in the report, the PMU has designated an Environmental Officer consistent with the PAM.</p> | <p>Please see Actions required.</p> | <p>Please indicate the status of compliance (“being complied”) and some remarks</p> | <p>Done</p> |
| <p>Schedule 4, Safeguards-Related Provisions in Bidding Documents and Works Contracts</p> <p>The Borrower shall ensure, or cause KWASA to ensure that all bidding documents and contracts for Works contain provisions that require contractors to:</p> <p>A- comply with the measures and</p> | <p>Table 6 does not indicate the status of compliance.</p> <p>Status of compliance (Yes) found in Table 10.</p> | <p>Please see Actions required.</p> | <p>Please indicate the status of compliance (“being complied”) and some remarks</p> | <p>Done</p> |

| Item | Findings in the SEMR/QEMR | Comments | Action/s Required (7 March 2022) | Response by PMU ³ (31 March) |
|---|---------------------------|----------|----------------------------------|---|
| <p>requirements relevant to the contractor set forth in the IEE, the EMP, and the RP (to the extent they concern impacts on affected people during construction), and any corrective or preventative actions set out in a Safeguards Monitoring Report;</p> <p>B- make available a budget for all such environmental and social measures;</p> <p>C- provide the Borrower with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEE, the EMP, and the RP;</p> <p>D- adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and</p> <p>E- fully reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project</p> | | | | |

| Item | Findings in the SEMR/QEMR | Comments | Action/s Required (7 March 2022) | Response by PMU ³ (31 March) |
|---|---|---|--|---|
| condition upon the completion of construction. | | | | |
| <p>Schedule 4, Safeguards Monitoring and Reporting</p> <p>A- submit semiannual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission;</p> <p>B- If any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEEs and the EMPs, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan; and</p> <p>C- Report any actual or potential breach of compliance with the measures and requirements set forth in the EMPs promptly after becoming aware of the breach.</p> | Table 6 does not indicate the status of compliance. | <p>Complied. This is the first SEMR for the project.</p> <p>It is understood that B and C are not applicable for the period since construction has not yet started.</p> | Please indicate the status of compliance ("being complied") and some remarks | Done |
| Schedule 5, Prohibited List of Investments | Table 6 does not indicate the status of compliance. | Please see Actions required. | Please indicate the status of compliance ("being complied") | Done |

| Item | Findings in the SEMR/QEMR | Comments | Action/s Required (7 March 2022) | Response by PMU ³ (31 March) |
|---|--|-------------------------------------|---|---|
| The Borrower shall ensure that no proceeds of the Loan are used to finance any activity included in the list of prohibited investment activities provided in Appendix 5 of the SPS. | | | | |
| <p>Schedule 4 Labor Standards, Health and Safety</p> <p>The Borrower will ensure that the core labor standards and the Borrower's applicable laws and regulations are complied with during Project implementation. The Borrower will include specific provisions in the bidding documents and contracts financed by ADB under the Project requiring that the contractors, among other things:</p> <ul style="list-style-type: none"> (a) comply with the Borrower's applicable labor law and regulations and incorporate applicable workplace occupational safety norms; (b) do not use child labor; (c) do not discriminate workers in respect of employment and occupation; (d) do not use forced labor; (e) allow freedom of association and effectively recognize the right to collective bargaining; and (f) disseminate or engage appropriate service providers to disseminate information on the risks of sexually transmitted diseases, including HIV/AIDS, to the employees of contractors engaged under the Project and to members of the | <p>Not included in Table 6.</p> <p>Status of compliance (Yes) found in Table 10.</p> | <p>Please see Actions required.</p> | <p>Please add this clause in Table 6 and indicate the status of compliance ("being complied")</p> | <p>Done</p> |

| Item | Findings in the SEMR/QEMR | Comments | Action/s Required (7 March 2022) | Response by PMU ³ (31 March) |
|--|--|---|--|---|
| local communities surrounding the Project area, particularly women. | | | | |
| <p>Grievance Redress Mechanism</p> <p>Within 12 months after the Effective Date, KWSA shall prepare a grievance redress mechanism, acceptable to ADB, and establish a special committee to receive and resolve complaints/grievances or act upon reports from stakeholders on misuse of funds and other irregularities, including grievances due to resettlement. The special committee shall (i) make public of the existence of this grievance redress mechanism, (ii) review and address grievances of stakeholders of the Project, in relation to either the Project, any of the service providers, or any person responsible for carrying out any aspect of the Project; and (iii) proactively and constructively responding to them.</p> | Compliance status is not indicated | This clause is not indicated in the Loan Agreement. Compliance status with GRM to be indicated under the GRM section of the SEMR. | Delete the clause and indicate status of compliance under GRM section of the SEMR. | Done |
| E. Contractors Compliance with Environmental Safeguards Requirements | | | | |
| Appointment of Environment, Health and Safety (HSE) and/or nodal person | Table 12 indicates that compliance will be carried out during construction | Contractor EHS Supervisor must be designated before start of construction. | Please provide an update and details in the next SEMR. | To be done |
| <p>Submission of site-specific EMPs</p> <p>Submission of SEMP implementation report (<i>specify in comments frequency – daily, weekly, monthly or quarterly basis</i>)</p> | Table 12 indicates that compliance will be carried out during construction | Contractor Site-EMPs must be prepared and submitted for approval of PMU before start of construction. | Please provide an update and details in the next SEMR. | To be done |

| Item | Findings in the SEMR/QEMR | Comments | Action/s Required (7 March 2022) | Response by PMU ³ (31 March) |
|---|--|--|---|---|
| | | Contractor must prepare and submit monthly EMP implementation reports to PMU as per the approved IEE. | | |
| Site verification by PMU, PIU, or consultants (<i>verification report should be attached to the SEMR</i>) | Table 12 indicates that compliance will be carried out during construction | Construction has not yet started. | Please provide an update and details in the next SEMR. | To be done |
| SEMR compliance matrix on mitigation measures implementation (matrixes are based on approved SEMP) | EMP compliance matrix is not updated based on the approved IEE. | Please see Actions required Table 15 is not yet applicable since no construction has started during the period. | Please update Table 14 with the pre-construction measures in the EMP in the approved IEE. Please indicate remarks (for example, "awarded package is at design stage, EMP will be complied/is being complied.") | Done |
| Other information Implementation of H&S COVID-19 plan | Table 13 indicates that compliance will be carried out during construction | None | Please provide updates in the next SEMR. | To be done |
| F. Environmental Monitoring | | | | |
| Rationale | Table 18 indicates that environmental parameters will be according to IEE. | No monitoring was conducted during the period. | In Table 18, please confirm if no monitoring was conducted during the period and indicate the following as applicable: | |
| Parameters to be monitored are commensurate to the | | | | Done. No monitoring was |

| Item | Findings in the SEMR/QEMR | Comments | Action/s Required (7 March 2022) | Response by PMU ³ (31 March) |
|--|---|--|---|---|
| impacts, mitigation measures, and project/subproject/package | Table 19 sampling and analysis methods not provided. Tables 24, 25, 26 indicates results of air quality, noise and water quality monitoring conducted in 2020. | | <p>“No environmental monitoring was conducted during the reporting period. Sampling will be conducted before and during construction in accordance with the monitoring program in the approved IEE.”</p> <p>For the 2020 results presented, please provide the sampling and analysis methods in Table 19.</p> | conducted during the period. This section will be updated once monitoring starts. |
| Sampling locations identified and appropriate | | | | |
| Sampling frequency identified and appropriate | | | | |
| Sampling collection and analysis are in accordance with internationally-accepted practices | | | | |
| Standards and performance indicators are compliant with ADB SPS requirements ⁷ (provide justification if less stringent standards are used) | | | | |
| G. Environmental monitoring results (narrative based on presented results) | | | | |
| Air quality results | | Standards for air quality, noise and water quality | Please indicate the standards (national standards/guideline values, and IFC/WHO | Standards indicated. No |
| Water quality results | | | | |

⁷ ADB SPS (Appendix 1 para 33) requires projects to apply pollution prevention and control technologies and practices consistent with international good practices as reflected in internationally recognized standards such as the World Bank Group’s Environmental, Health and Safety Guidelines (<https://www.ifc.org/ehsguidelines>). These standards contain performance levels and measures that are normally acceptable and applicable to projects. When host country regulations differ from these levels and measures, the borrower/client will achieve whichever is more stringent. If less stringent levels or measures are appropriate in view of specific project circumstances, the borrower/client will provide full and detailed justification for any proposed alternatives that are consistent with the requirements presented ADB SPS.

| Item | Findings in the SEMR/QEMR | Comments | Action/s Required (7 March 2022) | Response by PMU ³ (31 March) |
|---|---|---|--|---|
| Noise quality results | <p>onitoring results for air quality and noise are provided.</p> <p>Water quality monitoring dates are indicated but results are not provided in the main report (surface and groundwater).</p> | <p>were not indicated in Tables 24, 25 and 26.</p> <p>There is no discussion/inference provided.</p> <p>Units for air quality monitoring results are not indicated in Table 24.</p> | <p>guideline values) for air quality, noise and water quality in Tables 24, 25 and 26.</p> <p>In table 26, Please add the results of 2020 surface and ground water quality monitoring.</p> <p>Please indicate the units of measurement for the monitoring results (for example, Table 24- air quality)</p> <p>Please provide inferences based on the results and standards used.</p> <p>Please provide explanation for any result exceeding the national and/or IFC/WHO standards/guideline values</p> | <p>monitoring was conducted during the period. This section will be updated once monitoring starts.</p> |
| Others | n/a | | | |
| H. Consultations and/or FGDs during the reporting period | | | | |
| <p>Number</p> <p>Reason/s for consultations/FGDs</p> <p>Number of participants</p> <p>Number of female participants</p> | <p>No information found in Section VI and Table 17.</p> <p>However, appendix indicates that consultation with the landowners of the STP was conducted.</p> | <p>Meaningful consultations must be conducted throughout the project implementation (during the design, construction and operation phase).</p> | <p>In Section VI, please confirm if there was, or if there was no stakeholder consultation during the period. Provide the required details as applicable.</p> <p>Please ensure that meaningful consultations with affected persons and other stakeholders will be conducted, documented, and reported in the next SEMRs.</p> | <p>Done. No consultation was conducted during the period.</p> |
| I. Trainings, Workshops, Seminars during the reporting period | | | | |
| <p>Number</p> <p>Topics</p> <p>Number of participants</p> <p>Number of female participants</p> | <p>No information.</p> | <p>Capacity building on Environmental Management is to be conducted for KWSA engineers/management team, officials before and during construction. The conduct of capacity building activities is the responsibility of the PMSC Environmental Specialist.</p> | <p>Please confirm that no trainings/capacity building activities on environmental safeguards was conducted during the period.</p> <p>Please ensure that capacity building activities are conducted in accordance with the approved IEE/EMP.</p> <p>Provide updates in the next SEMR.</p> | <p>Done. No training was conducted during the period.</p> |
| J. Grievance Redress Mechanism | | | | |

| Item | Findings in the SEMR/QEMR | Comments | Action/s Required (7 March 2022) | Response by PMU ³ (31 March) |
|--|---|---|---|--|
| GRM per PAM or IEE/EARF established | No information is provided in Table 26. | Please see Action/s required. | Please provide details of GRM in Table 26. Please confirm that no complaint was received during the period. Otherwise, please provide the required details in Table 28. In table 29, indicate "None" if no GRC meeting was conducted. | GRM & GRC was not established during this period (June 2021 – November 2021). Table-29 is corrected accordingly. |
| GRM notified via publication or notice boards | Table 29 indicates, "GRC established" | | | |
| GRM members identified | | | | |
| GRM members have capacity to address project-related complaints (<i>detailed information on capacity development of GRM members such as trainings, workshops, briefings, etc should be attached in the SEMR</i>) | | | | |
| Number of meetings conducted (<i>attach minutes of the meeting</i>) | | | | |
| K. Complaints Received (<i>detailed information on nature of complaints, summary and status of resolution</i>) | | | | |
| Number of complaints | Table 28 indicates that resolution of complaints will be carried out during construction stage. | None. | In Table 28, under the no. of complaints received, please indicate "None" if no complaint was received during the period. | Done |
| Nature (<i>provide summary of issues/concerns</i>) | | | | |
| Status of resolution | | | | |
| L. Summary of Issues and Corrective Actions | | | | |
| Major issues/concerns (specify) | No detail is provided in Table 31. | Please see action/s required. | Please provide a summary of findings/key issues and remedial measures. Suggested inputs are indicated in the SEMR for confirmation of KWASA. | Done |
| Corrective Action to be implemented, timeline, responsible person/s, and budget are clearly specified | | | | |
| M. Status of Corrective Action Plan from Previous Reporting Period (list all and provide status) | | | | |
| None. | | | | |
| N. Appendixes | | | | |
| Photos | None | None | Please attach relevant photos in the next SEMR. | To be done |
| Summary of consultations | Appendix 7 lists consultations conducted at STP-1 and -2 sites. | No detail is provided (dates, participants, issues raised/feedback/remarks) | Please provide the required details. Please add photos of consultation and list of participants/attendees. | No consultation was conducted during the period. |
| Copies of environmental clearances and permits | Appendix 1 | Please see action/s required | Please attach copy of the application letters for ECC/related correspondences/letters. | Done |

| Item | Findings in the SEMR/QEMR | Comments | Action/s Required (7 March 2022) | Response by PMU ³ (31 March) |
|--|---|--|--|---|
| | NoC from DOE (STP-1 and STP-2) are attached. Letter from KCC regarding FSM and Road Cutting is also attached. | | | |
| Site EMPs | None | | | |
| Checklists | None | | | |
| Other Appendices | Appendix 2 No detail is provided. Sites visited indicate the names of the EE and ES of PMU. | Appendix 2 is for site visits conducted by PMSC/PMU during the reporting period. | Please correct the information provided in the table. Please clarify if no site visit was conducted during the period. | Done |
| | Other Appendices as per template are retained but without required attachment/documentation/ or any remarks. | Please see action/s required | Please provide, otherwise, indicate for each of the unavailable appendix that "this will be provided as applicable in the next SEMR". | Done |
| O. Other Issues | I. Introduction, Para 5, indicates monitoring period as Jul-Dec 2021, and refers to the report as the 2 nd SEMR. | Please see action/s required | Please reinstate the covered period of the report to June -November 2021 and correct the "2 nd SEMR" to "1 st SEMR". Note: 2 nd report will cover December 2021- June 2022 (due on 30 Jul 2022). The 3 rd report will cover July-December 2022. | Done |
| Reference/s | | | | |
| <ol style="list-style-type: none"> 1. 1ST SEMR KSSDP, submitted 28 Feb 2022 2. Project Administration Manual 3. Updated IEE, KSSDP, May 2021 4. Aide Memoire, Inception Mission for KSSDP, 7-16 Feb 2022. 18 Feb 2022. | | | | |