

**SOUTH ASIA REGIONAL DEPARTMENT**  
**SAUW IEE Review – Information Log**

<b>Project:</b>	BAN: Dhaka Environmentally Sustainable Water Supply Project		
<b>Loan No.:</b>	3051	<b>Package No.:</b>	<b>Package 2 – Treated Water Mains</b>
<b>Components:</b>	Package 2 consists of treated water mains from Gandharpur WTP to injection point near US embassy with aggregate length of 14 km.		
<b>Contract Type:</b>	Unit Price Contract (Civil Construction)		
<b>Date of IEE:</b>	September 2019		
	<b>Draft IEE</b>	<b>Updated/Revised IEE</b>	<b>Others</b>
	A draft IEE has been prepared in 2013 based on preliminary design. The draft IEE describes all the three packages under the project, which include package 2 for the treated water mains from the Gandharpur WTP to injection point near US embassy. This draft IEE was disclosed on ADB website ( <a href="https://www.adb.org/sites/default/files/project-document/77541/42173-013-ban-iee-01.pdf">link: https://www.adb.org/sites/default/files/project-document/77541/42173-013-ban-iee-01.pdf</a> ).	An updated IEE was submitted on April 2018 based on the detailed design.  Revised IEE submitted on October 2018.  This IEE log sheet shows status of the required actions for the submitted revised IEE of Package 2.	

	Section	Status		ADB Comments/Remarks for the IEE	Status of compliance on the Action Required based on the submitted revised IEE (August September 2019)
		Yes	No		
1.	Environmental assessment report has been satisfactorily conducted based on the REA Checklist. <sup>1</sup>			<b>COMPLIED.</b> DESWSP is Cat B project. IEE is required. Draft IEE was prepared during project preparation in 2013.	
2.	EIA/IEE/envi due diligence based on project components and detailed engineering design?	Yes X	No	Section 3 (Description of the Project) describes the project which consists of 14 km treated water mains from the Gandharpur WTP to injection point near US embassy.  <b>COMPLIED.</b> Provide more information based on detailed engineering design <b>consistent with the works as specified in the bid and contract documents.</b> Include a table showing <u>chainage-wise</u> information for the 14 km length of treated water mains. <b>Use the</b>	

<sup>1</sup> ADB Rapid Environmental Assessment Checklist for screening and categorization.

	Section	Status	ADB Comments/Remarks for the IEE	Status of compliance on the Action Required based on the submitted revised IEE (August September 2019)
			<p>chainage/sections and descriptions reflected in Table 8 on page 45 for consistency:</p> <ul style="list-style-type: none"> <li>- Length</li> <li>- Diameter</li> <li>- Width required for excavation</li> <li>- Width of available ROW</li> <li>- Vegetation to be cleared? (Y/N)</li> <li>- Number of trees to be cut</li> <li>- Utilities to be shifted</li> <li>- Area for materials storage</li> <li>- Amount of excess materials to be disposed</li> </ul> <p>Include location and photographs of disposal sites.</p>	
3.	Statutory Requirements <sup>2</sup>	<p>Forest Clearance</p> <p>No Objection Certificate</p> <p>Site Location Clearance</p> <p>Environmental Compliance Certificate</p> <p>Permit to Construct (or equivalent)</p>	<p>Package-specific information not provided.</p> <p><b>Action required:</b> Specify all statutory clearances and no-objection letters to be obtained for the package from the different upazilas or local government where the alignment will pass through. Provide status of application. If already obtained, attach as appendix to the IEE.- <b>DONE</b></p>	<p>MDSC Response: N/A</p> <p>MDSC Response: DOE Clearance of 11.12.2018 (Appendices-K, O. Applicable for all Packages</p> <p>MDSC Response: DOE Clearance of 11.12.2018 (Appendices-K, O. Applicable for all Packages</p> <p>MDSC Response: DOE Clearance of 11.12.2018 (Appendices-K, O. Applicable for all Packages</p> <p>MDSC Response: DOE Clearance of 11.12.2018 (Appendices-K, O. Applicable for all Packages</p>

**Commented [A1]:** It was noted in Table 10 that for Section A there are 919 trees. Provide information on how many trees will be removed for the civil works.

Ensure to implement remedial/replacement measures for tree cutting (i.e. plant five native tree species for every tree removed) and secure the applicable clearance for tree cutting.

**DONE:**

*In Section A, the 919 trees are the unclassified native species, not important for timber producing, medicinal plant or ornamental perspective. In usual case, 3 to 5 native species are planted for cutting of 1 tree considering mortality rate. However, in this area all the 919 trees will be removed, and the Resettlement Plan recommended to pay owners BDT 300 for each tree as replantation cost. Maps showing the existing land use are provided in the Biddings Documents in Section 4 Technical Requirements Appendix A.*

**Commented [A2]:** It was mentioned in the report that none of the three landfills is suitable for disposal of construction waste including spoiled soil. Provide the alternative sites for the disposal of construction waste, including spoiled soil. Ensure that disposal sites will be identified prior to civil works.

**Information added in the report: -DONE**

Consultation meeting was done between PMU and DNCC. Based on the meeting:

-Rubbish, building materials, plastic bags and kitchen waste which can be dumped in DNCC Transfer station or dumping site with DNCC permission and may cost for the contractor for transportation to DNCC.

-Outside Dhaka city there are hardly any hazardous waste along the pipe route. Contractor may sell the excavated soil to the developer or individual land

**Commented [A3]:** Appendix K provides the list of No Objection Certificate.

(i) Confirm if these are all applicable for Package 2, including the ECC of the Project; PMU and MDSC, kindly confirm **DONE**

(ii) Include the validity date and the tentative date of renewal of permits/clearance (i.e. approval of the micro tunneling and pipe route is until 31 December 2018); - **DONE**

(iii) Provide the English translation for the conditions for the approval for micro tunneling and pipe route installation for DESWSP (valid only until December 2018). **DONE**

**Commented [A4R3]:** (i) ECC issued by DoE is applicable for all packages including P2

(ii) The translation for approval of micro tunneling has been provided.

(iii) DWASA has to apply for extension of this permit (expired on 31 December 2018).

<sup>2</sup> If applicable, include date accomplished or obtained.

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			Permit to Operate (or equivalent)		<a href="#">MDSC Response: DOE Clearance of 11.12.2018 (Appendices-K, O. Applicable for all Packages</a>
		Others			<a href="#">N/A</a>
5.	Policy, legal, and administrative framework	Adequate	Not Adequate <b>X</b>	<p>The national policies and regulations are discussed. However, there is no discussion as to the status of compliance with these regulations.</p> <p><b>Action required:</b> Please provide information on status of environmental clearances required for each component. <b>DONE</b></p> <p>Information provided. The components of the project are <b>not governed by international agreements. DONE</b></p> <p>Additional discussion were included on IFC EHS Guidelines on Air Quality, Noise and Waste Water Quality and a statement was included to highlight the responsibility of the contractor to implement these guidelines during implementation.</p> <p>However, the discussion in Section 2.1.10 on ADB's SPS is incomplete and incorrect interpretation of ADB's SPS.</p> <p><b>Actions required: - DONE</b> Revise the discussion in Section 2.1.10. Refer to Appendix 1 of ADB's SPS (pp. 30-40) for the complete and accurate information.</p>	<p><a href="#">MDSC Response: Status of Environmental Clearance for Package 2 (P2)</a></p> <p><a href="#">MDSC Response: Section 2.1.9</a></p> <p><a href="#">MDSC Response: Added in Section 2.2</a></p>
		EIA/IEE/envi due diligence included discussion on:			
			National regulation/law on EIA		
			Environmental agency		
			Relevant international environmental agreements		
		???	Environmental standards (IFC's EHS Guidelines)		

**Commented [A5]:** Provide information on the status of other required permits/clearances such as site location clearance, tree cutting permit, shifting of utilities, etc. Indicate in the report if these are not applicable of the project.

Kindly present in a tabulated form the status of compliance if all applicable permits/clearances for Package 2-**NOT DONE**

Indicate in the report if these are not applicable to the civil works.

**Commented [A6R5]:** A tabulated form the status of compliance if all applicable permits/clearances for Package 2 was listed in Appendix K.

**Commented [A7]:** Discussion pertaining to IFC was deleted in the revised report (July 2019).

Kindly include the discussion on the comparison of IFC and Bangladesh standards on air quality, noise, and water and wastewater quality.

**Commented [A8R7]:** Added in Section 2.2

	Section	Status		ADB Comments/Remarks for the IEE	Status of compliance on the Action Required based on the submitted revised IEE (August September 2019)						
				<p>ADB's SPS is also focused on the following:</p> <ul style="list-style-type: none"> <li>-environmental planning and management</li> <li>-information disclosure</li> <li>-consultation and participation</li> <li>-monitoring and reporting</li> <li>-unanticipated environmental impacts.</li> </ul> <p>Edit/Revise Table 2.7. The information on the column of ADB requirement and relevance is not clear. Remove the column on ADB requirement in Table 2.7 and present in a separate table the ADB requirement and status of compliance as of date.</p> <p><b>DONE</b></p>							
6.	Anticipated environmental impacts and mitigation measures	EIA/IEE/envi due diligence satisfactorily discussed impacts and risks on:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">Mitigation measures provided?</td> </tr> <tr> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td style="text-align: center;"><b>X</b></td> <td style="text-align: center;"></td> </tr> </table>	Mitigation measures provided?		Yes	No	<b>X</b>		<b>COMPLIED</b> Discussion on anticipated environmental impacts and mitigation measures is included as Section 6.	
Mitigation measures provided?											
Yes	No										
<b>X</b>											
		Biodiversity conservation	n/a	Endangered species and habitats <b>not present</b> in subproject area.							
		Pollution prevention and abatement	<b>X</b>	Section 6 provides impacts and measures related to pollution prevention and abatement.							
		Health and safety	<b>X</b>	Section 6 provides occupational health and safety measures. Appendix C also provides the general requirements for							

	Section	Status			ADB Comments/Remarks for the IEE	Status of compliance on the Action Required based on the submitted revised IEE (August September 2019)
		Addressed	Not Addressed	Not applicable		
					workers' health and safety.	
			Physical cultural resources (PCR)	???	Table 7 Section 5 mentions PCRs in various locations where the alignment will pass through. It mentions that the project will not affect these PCRs.  <b>COMPLIED</b> Distance provided in Table 8: Cultural and Historical Places.	
		X	Cumulative impacts		No mitigation measures required.	
			Transboundary impacts		Not applicable	
7.	Impacts from Associated Facilities <sup>3</sup>	Addressed	Not Addressed	Not applicable	No associated facilities.	
				X		
8.	Analysis of Alternatives	Yes	No		Not required for Cat B and no need to include in IEE.	
9.	EMP budget included	Yes X	No		<b>COMPLIED.</b> EMP cost to be included in the bid and contract documents as stated in sections 9.3 Implementation Arrangements and 9.5 Environmental Budget of the IEE.  Indicative costs for Health and Safety and Environmental requirements are provided in Appendix M. EMP Budget in Contract Document.	
10.	EMP implementation integrated in PAM, and in bid and contract documents	Yes X	No		Included in PAM during loan processing. Included in Section 8 of bid documents. <b>COMPLIED.</b>	
11.		Yes	No			

<sup>3</sup> ADB SPS (Appendix 1 para 6) defines associated facilities as not funded as part of the project (funding may be provided separately by the borrower/client or by third parties), and whose viability and existence depend exclusively on the project and whose goods or services are essential for successful operation of the project.

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	Consultation and Participation		X	<p>Minutes were provided for the consultation done on 13 February 2018 and 29 September 2018.</p> <p><b>Actions required:</b></p> <p>(i) Confirm if the 29 September 2018 consultation is specifically for the stakeholders of the treated water mains- <b>DONE</b>.</p> <p>(ii) Provide the breakdown of male and female participants for all the consultation activities - <b>DONE</b></p> <p>(iii) Provide the following details of the consultation on 17 April 2017 stated in Table 10: Public Consultation which was inserted in Section 5 -Social cultural resources: (a) photo documentation; (b) attendance sheet; and (c) breakdown of male and female participants. Attach these as part of Appendix in the IEE- <b>DONE</b></p> <p>(iv) include all the information of consultation activities in Section 7. <b>DONE</b></p>	Attendance Sheet is attached in Appendix I. <a href="#">Number of male and female in table 11</a>
12.	Grievance Redress Mechanism	Yes X	No	<p>GRM mechanism included in IEE.</p> <p><b>Actions required:</b></p> <p>(i) Ensure that the affected people can also go to the GRC for any environmental concern because the discussion on the GRM</p>	

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				is more on the compensation issues.  (ii) Ensure to inform all workers that they can also go the GRC for any issues and concerns during project implementation. <b>DONE</b>	
		Description of GRM		Included in IEE. This is being adopted in the ongoing implementation of the project.	
		Identification of GRC members		Included in the IEE and active in the ongoing implementation of the project.	
		GRM established and notified		Based on the IEE report, GRM is not yet established and notified at the PMU level.  <b>Action required:</b> PMU to finalize the members of the GRC committee and provide the official notification members.-No <b>GRC Official Notification done done (Appendix L)-(Appendix L).</b> <b>DONE</b>	Final GRC list is attached in Appendix L
13.	Disclosure		Endorsement to disclose on ADB website	Pending. This will be requested when the IEE has been cleared by ADB.	
			Disclosed on project website	Pending. This will be requested when the IEE has been cleared by ADB.	
			Relevant information available to stakeholders and affected people in language and form they understand	Pending. This will be requested when the IEE has been cleared by ADB.	
14.	Mobilized PMU Environment Officer	<b>Yes</b>	<b>No</b>	<b>COMPLIED</b>	
		X		The Environment Officer of PMU is Mr. Saidur Rahman	
15.	Mobilized PIU Environment Specialist	<b>Yes</b>	<b>No</b>	Not applicable.	
16.	Mobilized MDSC Environment Specialist	<b>Yes</b>	<b>No</b>	<b>COMPLIED</b>	
		X			

Commented [A9]: Done – see Appendix L

	Section	Status		ADB Comments/Remarks for the IEE	Status of compliance on the Action Required based on the submitted revised IEE (August September 2019)
		Yes	No		
				The MDSC Environment Specialist Dr. Thomasa Balling International Expert Syed Latif National Expert	
17.	Confirm bid and contract documents and/or EMP include requirement for the contractor to appoint EHS supervisor and/or nodal person for environmental safeguards	Yes X	No	Appendix B (Recommendations for Tender Documents) states that Contractor will appoint its environmental officer. <b>DONE</b>	
18.	If contract awarded already, confirm contractor's appointment of EHS supervisor and/or nodal person for environmental safeguards	Yes	No	Not applicable.	
19.	Awareness training on compliance to safeguard requirements	Yes ???	No	<b>Action required:</b> This should be package-specific. Provide information in the IEE on dates, topics discussed and attendance sheet.	
20.	Monitoring and Reporting	Yes ???	No	Information on the reporting arrangement is provided in Section 9.2.  <b>Actions Required:</b> (i) Kindly add the information that semiannual environmental monitoring report will be submitted to ADB during project implementation (pre-construction, construction and operation) activities.  (ii) Attach as appendix the checklists or templates to be used in monitoring activities. - <b>NOT DONE</b>	

**Commented [A10]:** Kindly include in the recommended conditions that a competent and qualified construction/occupations health and safety officer will be appointed to supervise the implementation of OHS plan. **DONE (Appendix B)**

**Commented [A11]:** Provide tentative dates for training activities if training already conducted, provide information in the IEE on dates, topics discussed, number of participants (male, female), attendance sheet and photo documentation. - **NOT DONE**

Confirm training activities were already done for the workers

**Commented [A12R11]:** Training activities will be commenced on deployment of contractors all personals.

**Commented [A13R11]:**

**Commented [A14R11]:** Training will be implemented before beginning of construction activities after appointment of the contractor and when contractor will be on site

**Commented [A15]:** Done see Appendix P



	Section	Status	ADB Comments/Remarks for the IEE	Status of compliance on the Action Required based on the submitted revised IEE (August September 2019)
			<p>(iii) The construction of treated water mains includes river crossings – Balu and Shitalakhya rivers. However, the construction stage environmental monitoring plan does not include monitoring on water quality. Include in -Include in Table 16 the monitoring details (location or sampling points, parameters, frequency, responsibility, cost and source of funds) of the basic water quality parameters (i.e. pH, TSS, etc.). Monitoring on water quality parameters should be done before (baseline), during and after the construction activities in order to assess the impact of the project activities to the existing condition of the rivers -<b>DONE</b></p>	
21.	Others/Remarks		<p><b>Overall action required:</b> The updated IEE for Package 2 needs further revision based on actions required in the IEE log sheet. Kindly submit the revised IEE of Package 2 (in track change or highlight the added/revised information) and enclose the IEE log sheet with PMU's response on the comments/clarifications.</p> <p>Summary of actions required:</p> <p>(i). Edit the entirety of the document to mention that the package is under a civil works contract and not DBO; <b>DONE Confirm and do the necessary revisions</b></p> <p>(ii). It was noted in Table 10 that for Section A there are 919 trees. Provide information on how many trees will be removed for the civil works. Ensure to implement remedial/replacement measures for tree cutting (i.e. plant five native tree species for every tree removed) and secure the applicable clearance/permit for tree cutting.- <b>DONE</b></p> <p>(iii). Provide the alternative sites for the disposal of construction waste, including spoiled spoil. Ensure that disposal sites will be identified prior to civil works. - <b>DONE</b></p>	<p>(v) PD has paid first time fees and will</p>

**Commented [A16]:** Done. EMP will be part of the civil works contract (section 9.3 Implementation arrangements)

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		<p>(iv). Confirm if the list of No Objection Certificates in Appendix K are all applicable for Package 2, including the ECC of the Project;</p> <p>(v). Include the validity date and the tentative date of renewal of permits/clearances (i.e. approval of the micro tunneling and pipe route is until 31 December 2018); - <b>DONE</b></p> <p>(vi). Provide the English translation for the conditions for the approval for micro tunneling and pipe route installation for DESWSP (valid only until December 2018). <b>DONE</b></p> <p>(vii). Provide information on the status of other required permits/clearances such as site location clearance, tree cutting permit, shifting of utilities, etc. Indicate in the report if these are not applicable of the project- <b>DONE</b></p> <p>(viii). Revise the discussion in Section 2.1.10. Refer to Appendix 1 of ADB's SPS (pp. 30-40) for the complete and accurate information.-<b>DONE</b></p> <p>(ix). Edit/Revise Table 2.7. The information on the column of ADB requirement and relevance is not clear. Remove the column on ADB requirement in Table 2.7 (<b>removed in the revised document</b>) and present in a separate table the ADB requirement and status of compliance as of date. <b>DONE</b></p> <p>(x). Confirm if the 29 September 2018 consultation is specifically for the stakeholders of the treated water mains. <b>DONE</b></p> <p>(xi). Provide the breakdown of male and female participants for all the consultation activities <b>DONE for 29 September 2018</b></p> <p>(xii). Provide the following details of the consultation on 17<sup>th</sup> April 2017 stated in Table 10: Public Consultation which was inserted in Section 5 -Social cultural resources: (a) photo documentation; (b) attendance sheet; and (c) breakdown of male and female participants. Attach these as part of Appendix in the IEE <b>DONE</b></p> <p>(xiii). PMU to finalize the members of the GRC committee and provide the official notification members. <b>DONE, Appendix L</b></p> <p>(xiv). Kindly include in the recommended conditions that a competent and qualified construction/occupations health and safety officer will be appointed to supervise the implementation of OHS plan.-<b>Provided in Appendix B</b></p> <p>(xv). Provide tentative dates for training activities. If training already conducted, provide information in the IEE on dates, topics discussed, number of participants (male, female), attendance sheet and photo documentation. <u>Training will be conducted after appointment of contractor anticipated for 2020</u></p> <p>(xvi). Kindly add the information that semiannual environmental monitoring report will be submitted to ADB during project implementation (<b>pre-construction, construction and operation</b>) activities.- <b>DONE (Already mentioned in Section 9.2)</b>. Semiannual monitoring</p>	<p><u>renew the license of BIWTA when construction starts.</u></p> <p><u>Tree cutting permission is not needed. Along P2 there is only DWASA and private land which has been acquired by DWASA. Forest Department permission for tree felling is not required.</u></p> <p><u>Shifting of utilities needs permission but this will happen during execution of the work. The general permission is in the Appendices.</u></p>	

**Commented [A17]:** All certificates are applicable for package 2 including ECC  
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**Commented [A18]:** Translation provided in Appendix K

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			<p>report was only mentioned in Section 9.2 during operation activities.</p> <p>(xvii). Attach as appendix the checklists or templates to be used in monitoring activities. Appendix P template added for monitoring activities but sample checklist forms and templates should be provided. <b>DONE (Provided Appendix P, Section P2)</b></p> <p>(xviii). Include in Table 16 the monitoring details (location or sampling points, parameters, frequency, responsibility, cost and source of funds) of the basic water quality parameters (i.e. pH, TSS, etc.). Monitoring on water quality parameters should be done before (baseline), during and after the construction activities in order to assess the impact of the project activities to the existing condition of the rivers. <b>DONE</b></p> <p>(xix). For clarity and transparency, indicate the date/s of reconnaissance surveys discussed in the report; date: 13, 14 February 2018 (Methodology of IEE Report, section 1.3)</p> <p><del>(xix)-(xx)</del></p> <p><del>(xx)-(xxi)</del> Appendix P-EMB Budget in Contract Document. No indicative EMP cost was provide for environmental and social requirements. Edit and revise. Done: EMP budget has been provided in Appendix P</p>	
	Documents/References	IEE of Package 2 (September 2019) IEE of Package 2 (July 2019) IEE of Package 2 (October 2018) IEE of Package 2 (April 2018)		