



### Project Summary Information

Date of Document Preparation: December 12, 2019	
<b>Project Name</b>	West Bengal Major Irrigation and Flood Management Project
<b>Document Code</b>	PD000054-PSI-IND
<b>Country</b>	Republic of India
<b>Sector/Subsector</b>	Water, Irrigation and Flood Protection
<b>Status of Financing</b>	Approved
<b>Project Description</b>	<p>The project comprises four components:</p> <ul style="list-style-type: none"> <li>- <b>Component A: Irrigation Management.</b> This component will improve the management of the Damodar Valley Command Area (DVCA) irrigation scheme to improve service delivery, performance monitoring and irrigation efficiency evaluation, and strengthen institutions;</li> <li>- <b>Component B: Modernization of Irrigation Infrastructure.</b> This component will invest in the modernization of irrigation infrastructure at main, branch, distributary and minor canal levels;</li> <li>- <b>Component C: Flood Management.</b> This component will invest in structural measures to reduce flooding in the project area. The component will also include construction of fall-board shutters at three locations across the Mundeswari River and Amta channels, as well as the implementation of the recommendations of the Dam Safety Review Panel for the Durgapur Barrage; and</li> <li>- <b>Component D: Project Management.</b> This component will strengthen the implementation agency's capacity for project management, including inter alia procurement and financial management, monitoring and evaluation, and environmental and social safeguards management and communication. The component will also support a communication campaign to inform stakeholders on the importance of water use efficiency.</li> </ul>
<b>Objective</b>	The objective of the project is to improve irrigation service delivery, strengthen flood risk management and improve climate change resilience in the project area.
<b>Expected Results</b>	<p>The proposed results indicators for these objectives include:</p> <ol style="list-style-type: none"> <li>1. To improve irrigation service delivery             <ol style="list-style-type: none"> <li>a. Area provided with new/improved irrigation or drainage services.</li> <li>b. Compliance with agreed water delivery schedule of the irrigation service provider's contract.</li> <li>c. Compliance with irrigation water supply from the main canal to the distributary canal.</li> </ol> </li> </ol>

	<ol style="list-style-type: none"> <li>2. To strengthen flood risk management             <ol style="list-style-type: none"> <li>a. Rate of reduced flood depth at the monitoring points compared with averaged flood depth for the period 1999-2017.</li> </ol> </li> <li>3. To improve climate change resilience             <ol style="list-style-type: none"> <li>a. Arrest in the rate of decline of groundwater levels in semi-critical blocks in each defined groundwater management area.</li> <li>b. No deterioration of groundwater-level trends in safe blocks in each defined groundwater management area.</li> </ol> </li> </ol>
<b>Environmental and Social Category</b>	Category B
<b>Environmental and Social Information</b>	<p>The Project will be co-financed with the World Bank (WB), and AIIB has agreed with the WB that the Environmental and Social Safeguard Policies and related procedures of the WB (WB Safeguard Policies) will apply to this project. AIIB is satisfied that: (i) the WB Safeguard Policies are consistent with the Bank’s Articles of Agreement and materially consistent with the provisions of the Bank’s Environmental and Social Policy and relevant Environmental and Social Standards; and (ii) that appropriate monitoring procedures are in place for the project.</p> <p>At the concept stage, the project was assigned Category A. The project has been downgraded to Category B during project preparation for the following reasons:</p> <ol style="list-style-type: none"> <li>a. The number of project-affected people anticipated at the concept stage was high but it was reduced significantly as the project design has been changed to minimize its environmental and social impacts;</li> <li>b. The impacts on natural habitats were less significant as no Ramsar sites have been identified within or in the vicinity of the project area;</li> <li>c. The impact assessment verified that no religious or other physical cultural property sites are associated with the proposed investments.</li> </ol> <p>The applicable WB Safeguard Policies include Environmental Assessment (OP/BP 4.01), Natural Habitats (OP/BP 4.04), Pest Management (OP/BP 4.09), Physical Cultural Resources (OP/BP 4.11), Indigenous Peoples (OP/BP 4.10), Involuntary Resettlement (OP/BP 4.12), and Safety of Dams (OP/BP 4.37).</p> <p>An environmental and social management framework (ESMF) was first developed and a subsequent environmental and social impact assessment (ESIA) has been prepared, accompanied by an environmental and social management plan (ESMP), an integrated pest management plan and a tribal people’s plan. The ESMF includes a resettlement policy framework (RPF), which specifies the procedures, probable impacts, eligibility, entitlements, and other measures to be followed in the event of resettlement and/or land acquisition. A resettlement action plan (RAP) has been prepared for the project. Preparation of site-specific RAPs are required for every parcel of land that would require displacement of encroachers and/or</p>

	<p>squatters. The fluvial system in the project area is fed by five upstream dams and one barrage. The WB has conducted due diligence on the condition of the dams and prepared an action plan for their maintenance.</p> <p>Various stakeholders were consulted during the development of the ESMF, ESIA and RAP. The draft ESMF was disclosed on the WB's website on Oct. 12, 2018 and updated on Dec. 1, 2018, while the RAP and the ESIA (including ESMP) have been disclosed on the WB's website since Oct. 12, 2018 and Dec. 4, 2018, respectively (see link: <a href="https://projects.worldbank.org/en/projects-operations/document-detail/P162679?lang=en&amp;tab=documents&amp;subTab=projectDocuments">https://projects.worldbank.org/en/projects-operations/document-detail/P162679?lang=en&amp;tab=documents&amp;subTab=projectDocuments</a> ). The ESMF, ESIA and ESMP documents including the executive summary in Bengali (the local language) were disclosed on the website of the Project Implementation Agency, the West Bengal Irrigation and Waterways Department (IWD) on November 30, 2018, and the RAP, including the executive summary in Bengali, was disclosed on November 29, 2018 (see link: <a href="https://wbiwd.gov.in/index.php/applications/wbmifmp">https://wbiwd.gov.in/index.php/applications/wbmifmp</a> ). Stakeholder consultations on the draft documents were organized by the IWD on November 16, 2018.</p> <p>The project is expected to reinforce surface and ground water conservation as well as reduce flooding. However, temporary adverse environmental impacts are expected during construction, particularly carting and disposal of desilted materials, construction debris, and demolition waste, and clearing of vegetation and aquatic weeds. Mitigation measures are proposed in the ESMP to address the environmental and social risks. As noted above, households of encroachers and squatters and various structures will be affected by the project. The compensation for all the affected categories is determined based on the RPF. A project-level Grievance Redress Mechanism (GRM) in accordance with the requirements of WB's Safeguard Policies will be established for the project and start operating soon after the loan agreement becomes effective. Complainants who contact the AIIB regarding the project will be provided contact information for the WB's complaint mechanisms, including the GRS and the independent Inspection Panel (IP).</p>
<b>International Waterways</b>	<p>The international waterways provisions of AIIB's Operational Policy on International Relations (OP on IR) apply because the project involves the use of water from the Damodar river. The Damodar river drains into the Hooghly river, which is a tributary of the Ganga river, before flowing into the Bay of Bengal. Pursuant to Section 2.3 of the OP on IR, AIIB may, instead of carrying out its own assessment, rely on the assessment of a co-financing MDB if the AIIB is satisfied with the assessment capacity and process of such co-financier, as well as with the assessment itself. The WB in its assessment concluded that the Ganga and the Hooghly and their tributaries are international waterways for the purposes of the WB's policy on international waterways (OP 7.50), but that notification to the riparians is not required under OP 7.50, because the project involves only minor additions or alterations to an ongoing scheme and is therefore expected to have only minimal effect on the other riparians. This is based on the following: (i) the focus of the project is to modernize and upgrade management systems for improved irrigation and flood management, (ii) the Damodar River flows entirely within India, and (iii) India is the lowest downstream riparian of the Hooghly before it drains into the Bay of Bengal. AIIB has</p>

	reviewed the supporting WB documentation and is satisfied with the WB's assessment capacity and process, as well as the assessment. AIIB therefore concurs that the project is expected to have minimal or no effect on any of the riparians. As a result, the exception in paragraph 3.3(c)(i) of AIIB's OP on IR to the notification requirement in paragraph 3.3(a) applies.						
<b>Cost and Financing Plan</b>	<b>Item</b>		<b>Project Cost (USD million)</b>		<b>Financing (USD million and percent)</b>		
					AIIB	IBRD	SoWB
	Component A: Irrigation Management		21.1	7.4 (35%)	7.4 (35%)	6.3 (30%)	
	Component B: Modernization of Irrigation Infrastructure		186.5	65.3 (35%)	65.3 (35%)	55.9 (30%)	
	Component C: Flood Management		188.7	66.1 (35%)	66.1 (35%)	56.5 (30%)	
	Component D: Project Management		16.7	5.8 (35%)	5.8 (35%)	5.1 (30%)	
	Front End Fees		0.8	0.4	0.4	0.0	
	Grand Total		413.8	145 (35%)	145 (35%)	123.8 (30%)	
<b>Borrower</b>	Republic of India						
<b>Implementing Entity</b>	State of West Bengal (SoWB), supported by Irrigation and Waterways Department (IWD or Project Implementation Agency)						
<b>Estimated date of loan closing</b>	November 2025						
<b>Contact Points:</b>	<b>AIIB</b>	<b>World Bank</b>	<b>Borrower</b>	<b>Implementation Organization</b>			

<b>Name</b>	Sing Cho	IJsbrand H. de Jong	Prasanna V. Salian	Sri Subir Kumar Laha
<b>Title</b>	Senior Investment Operations Specialist	Lead Water Resources Specialist	Deputy Secretary, Department of Economic Affairs, Ministry of Finance	Chief Engineer & Project Director, Irrigation & Waterways Department, Government of West Bengal
<b>Email Address</b>	<a href="mailto:sing.cho@aiib.org">sing.cho@aiib.org</a>	idejong@worldbank.org	pv.salian@nic.in	<a href="mailto:ce.pd.wbmifmp@gmail.com">ce.pd.wbmifmp@gmail.com</a>
<b>Date of Concept Decision</b>	December 4, 2017			
<b>Date of Appraisal Decision</b>	October 8, 2019			
<b>Date of Financing Approval</b>	December 12, 2019			
<b>Independent Accountability Mechanism</b>	<p>In view of the fact that the WB's Safeguard Policies will apply to this project, and pursuant to AIIB's agreement with the WB, AIIB will rely on the WB's corporate Grievance Redress Service (GRS) and the independent Inspection Panel (IP) to handle complaints relating to environmental and social issues that may arise under the project. Consequently, in accordance with AIIB's Policy on the Project-affected People's Mechanism (PPM), submissions to the PPM under this project will not be eligible for consideration by the PPM. Communities and individuals who believe that they are adversely affected by the project may submit complaints to the existing project-level GRM or the WB's GRS. The WB's corporate GRS ensures that complaints received are promptly reviewed in order to address project-related concerns. Project affected communities and individuals also may submit their complaint to the WB's IP, which determines whether harm occurred, or could occur, as a result of WB non-compliance with its policies and procedures. Complaints may be submitted at any time after concerns have been brought directly to the WB's attention, and its Management has been given an opportunity to respond. For information on how to submit complaints to the GRS, please visit: <a href="http://www.worldbank.org/en/projects-operations/products-and-services/grievance-redress-service">http://www.worldbank.org/en/projects-operations/products-and-services/grievance-redress-service</a> . For information on how to submit complaints to the World Bank's IP, please visit: <a href="http://www.inspectionpanel.org">http://www.inspectionpanel.org</a> .</p>			