



# **SINDH BARRAGES IMPROVEMENT PROJECT (SBIP)**

## **PROGRESS BULLETIN**

**MONTH OF OCTOBER, 2025**

**Project Coordination & Monitoring Unit  
Planning & Development Department  
Government of Sindh**

## A. PROJECT PROFILE

**The Project** initially started in 2015 with scope for rehabilitation/modernization of **Guddu Barrage**. Additional Financing was provided in 2018 for Rehabilitation/Improvement of **Sukkur Barrage** started in mid-2018 .

**Project Objective:** Improve the reliability and safety of both Guddu and Sukkur Barrages and strengthen Sindh Irrigation Department's capacity to operate and manage Barrages.

**Executing by:** Irrigation Department through Project Management Office (PMO) headed by Project Director

**Coordination & Monitoring by:** Project Coordination & Monitoring Unit, P&D Department, Government of Sindh

**Component-1:** Rehabilitation/Modernization of Guddu Barrage & Sukkur Barrage.

**Component-2:** Improved Barrage Operation.

**Component-3:** Technical Studies.

**Component-4:** River Basin Water Resources/Riverine Management.

**Component-5:** Project Management, Monitoring & Evaluation.

Project Approval / Period	Guddu Barrage	Sukkur Barrage	Amalgamated
<b>Project approved by ECNEC</b>	13 <sup>th</sup> May, 2015	22 <sup>nd</sup> May, 2018	11 <sup>th</sup> December, 2023
<b>Project Signing / Start</b>	26 <sup>th</sup> August, 2015	13 <sup>th</sup> June, 2018	21 <sup>st</sup> June, 2024
<b>Completion</b>	31 <sup>st</sup> December, 2021	30 <sup>th</sup> September, 2022	30 <sup>th</sup> June, 2028
<b>Credit / Loan NO:</b>	IDA 56840-Pak	IDA 62420-Pak	IDA 75130-Pak

## B. FINANCIAL STATUS/ANALYSIS

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Approved Cost		ORIGINAL			REVISED			AMALGAMATED		
Amount in PKR		TOTAL	IDA	LOCAL	TOTAL	IDA	LOCAL	TOTAL	IDA	LOCAL
<b>Guddu Barrage</b>		<b>20,241</b>	18,271	1,970	<b>20,592.80</b>	18,752.00	1,840.80	<b>54,357.5</b>	<b>45,318.4</b>	<b>9,039.1</b>
<b>Sukkur Barrage</b>		<b>16,662.5</b>	14,658	2,004.5	<b>33,764.70</b>	26,566.36	7,198.34			
<b>IDA Credit Loan</b>		<b>ORIGINAL</b>			<b>REVISED</b>			<b>AMALGAMATED</b>		
<b>Guddu Barrage</b>		US\$ 208.00			US\$ 85.37			<b>US\$ 328.00</b>		
<b>Sukkur Barrage</b>		US\$ 152.20			US\$ 242.63					
SR. NO	ACTIVITY				TOTAL		FPA		LOCAL	
					US\$	PKR	US\$	PKR	US\$	PKR
a)	<b>Disbursement/Releases till June 2025</b>				<b>173.85</b>	<b>35,717.74</b>	<b>173.85</b>	<b>35,717.74</b>	-	<b>1,668.90</b>
b)	<b>Expenditure Incurred till June 2025</b>				<b>169.69</b>	<b>34,551.94</b>	<b>169.69</b>	<b>34,551.94</b>	-	<b>1,663.02</b>
c)	<b>Budget Estimated for year 2025-2026</b>				<b>51.724</b>	<b>16,300.00</b>	<b>51.724</b>	<b>15,000.000</b>	-	<b>1300.000</b>
d)	<b>Disbursement/Releases during FY 2025-26</b>				<b>4.66</b>	<b>1,318.80</b>	<b>4.66</b>	<b>1,318.80</b>	-	<b>325.00</b>
e)	<b>Expenditure Incurred during FY 2025-26</b>				<b>6.25</b>	<b>1,763.62</b>	<b>6.25</b>	<b>1,763.61</b>	-	<b>325.00</b>
f)	<b>Total Disbursement/Releases till Sep-2025</b>				<b>1.95</b>	<b>549.34</b>	<b>1.95</b>	<b>549.34</b>	-	-
g)	<b>Total Expenditure incurred till Sep-2025</b>				<b>3.27</b>	<b>917.72</b>	<b>3.27</b>	<b>917.72</b>	-	-
h)	<b>Overall Progress disbursement</b>				<b>180.46</b>	<b>37,585.88</b>	<b>180.46</b>	<b>37,585.88</b>	-	<b>1,993.90</b>
i)	<b>Overall Progress expenditure</b>				<b>179.21</b>	<b>37,233.28</b>	<b>179.21</b>	<b>37,233.28</b>	-	<b>1,988.02</b>

# C. PHYSICAL PROGRESS /ACTIVITIES

Component/Activity	Progress/Achievement
<b>Rehabilitation &amp; Modernization of Guddu Barrage: Three Contract Packages (G2, G3 &amp; G3A)</b>	
<p><b>G2: Gates Replacement works:</b>            Contractor M/s DESCON Engineering            Contract awarded: 13/03/2017            Works Started: 10/07/2017            Completion: 31/3/2027            Original Cost: PKR 9,585.162 M            Revised Cost: PKR 9,098.121 M            # of VOs: 16            Projected Cost : PKR 22,000,000,000            Cost Variance: PKR 12,415 M ~ 129 %</p>	<p>Ongoing.            Overall Physical Progress achieved upto 77.62%            Financial Progress achieved upto 72.43%            Total 25 Nos Gates of Head Regulators &amp; 30 Nos Gates of main Barrage have been replaced and new gates have been installed. As per approved work plan; 24 Nos Gates will be replaced during the current FY 2025-26 and remaining 11 Nos Gates will be replaced in FY 2026-27.</p>
<p><b>G3: River Training works:</b>            Contractor: M/s SMAD Baloch            Works Started: 10/07/2017            Completion: 14/04/2022            Original Cost: PKR 3,750 M            Revised Cost: PKR 3,964.41 M</p>	<p>100% work had been completed in October, 2023 and final payment made in August, 2024; except work of Right TJ Spur did not complete due to land acquisition issue. However, the matter has now been resolved, and land has been acquired and transferred to Irrigation Department for completion of leftover work on TJ Spurs through award of new contract G3A as described as below</p>
<p><b>G3A: Construction of Right TJ Spur</b>            Contractor: M/s HBAS &amp; Co            Works Started: 28/10/2025            Completion: 28/04/2026</p>	<p>Procurement process completed and contract was signed on 25/9/2025. The possession of site is in process to start the work by contractor.</p>

Component/Activity	Progress/Achievement
<b>Rehabilitation &amp; Modernization of Sukkur Barrage: Five Contract Packages (S0, S1, S2, S3 &amp; S4)</b>	
<p><b>S0: Replacement of 6 Nos emergency gates of main Barrage:</b> <i>M/s Karachi Shipyard and Engineering Works Limited (KSEW)</i></p> <p><b>S1: Replacement of Gates (main barrage and main canals head regulators):</b>  Contractor: M/s. China Road &amp; Bridge Corporation JV HBSZ  Contract awarded: 24/10/2022  Works Started: 24/02/2023  Completion: 23/02/2027  Original Cost: PKR 17,071 M  Revised Cost: PKR 22,599 M (including S2)  # of VOs: 8  Projected Cost : PKR 31,000,000,000  Cost Variance: PKR 13,929 M ~ 81 %</p>	<p>Work started in 11/11/2019 and Completed 100% with total amount of PKR 20.806 million as against contract value PKR 16.708 million.</p> <p><b>Overall Physical Progress achieved up to 32.67% &amp; Financial Progress is 29.46%</b>  Trial Gate No. 36 installed; 18 Gates of main Barrage fabricated and 16 Gates sandblasted, painted, and installed with hoisting systems.  Design and procurement of Canal Gates materials ongoing.  Caisson Gate shifted to Jetty from Gate-36 re-shifted on left bank scour sluice gate.  Load studies approved; transformers installed; control panel installation in progress.  New Office Block finishing in progress.  Masjid up to plinth; plinth beam work in Officer’s Residences.</p>
<p><b>S2: Dredging and excavation from left and right pockets</b></p>	<p>The scope of S2 has been merged within main S1 contract as per WB NOL and work will be commenced during the year. Accordingly, contractor presented proposed dredging methodology</p>
<p><b>S3: Procurement of dredger and performance demonstration:</b></p>	<p>Review of potential suppliers is underway.</p>

**Component/Activity****Progress/Achievement****COMPONENT-B (Improved Barrage Operation)**

**GUDDU: Improved Barrage Operation. Cost: PKR 232.00**

**SUKKUR: Improved Barrage Operation. Cost: PKR 1336.00**

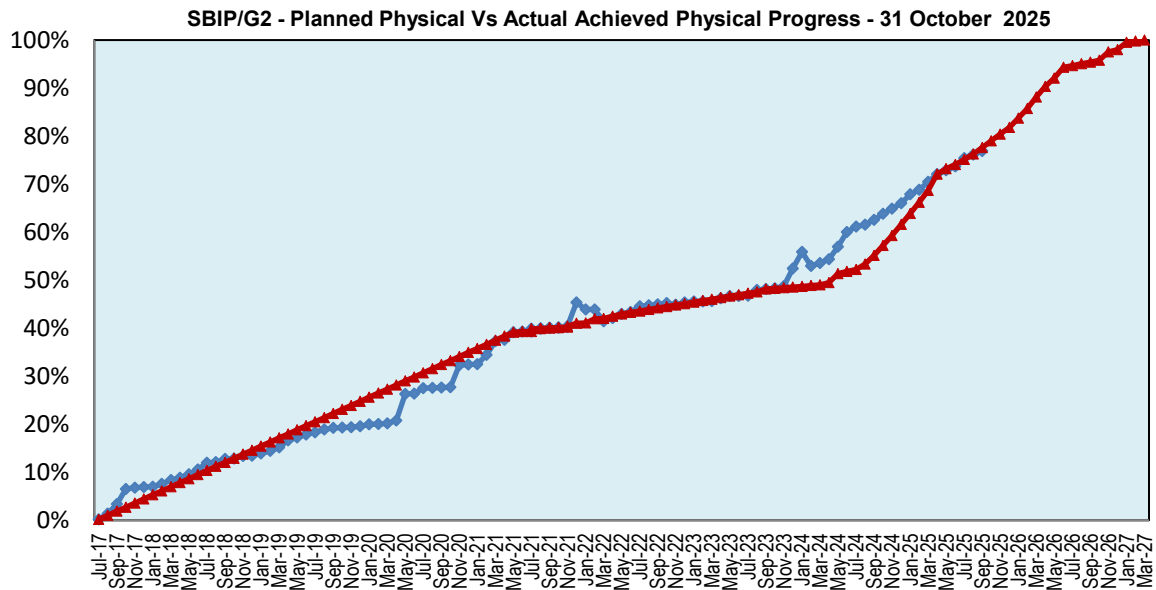
**The component covers five activities as per details give below:**

- Establishment of BMU:** BMU established headed by Chief Engineer, however, in accordance with the recommendations of the World Bank Mission, Irrigation Department has moved a summary for approval of Chief Minister Sindh to fully capacitate BMU to implement its core functions.
- Sediment Management:** SOP updated; training conducted; 2024 sampling results are under review. The floods season-2025 provides an opportunity for flushing trial for Guddu and Sukkur Barrages.
- Flow Monitoring & Regulation:** Calibration for Guddu canals ongoing; gauge wells for Sukkur and Kotri Barrage canals completed; calibration of Canals will be completed in 2026 closure.
- Emergency Preparedness Plan:** Draft EPP prepared and shared with CE, BMU; NGOs consulted on evacuation; DSS integration are under discussion, in light of flood response in August and September 2025
- Barrage Safety:** PoE notified and reviewed designs, investigated gate failures, and providing feedback on ongoing works.
- Surveillance & Maintenance of Barrage:** O&M manuals for both barrages will be updated; O&M procedure for new gates and hoists system of Guddu Barrage prepared.

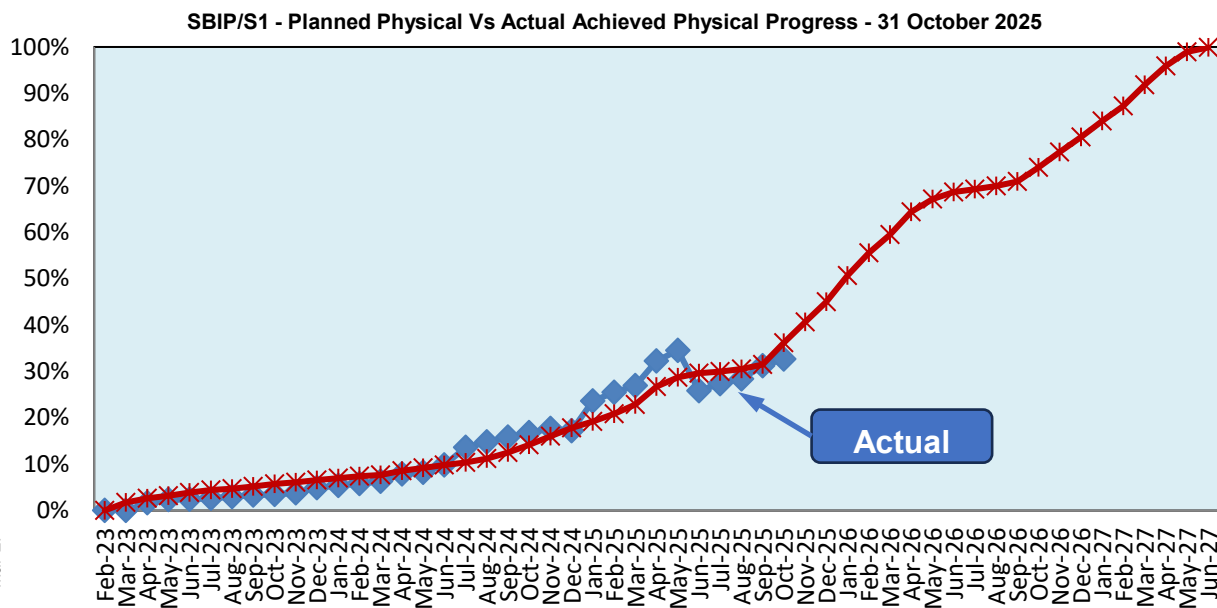
Component/Activity	Progress/Achievement
<b>COMPONENT-C (Technical Studies): Total Cost: PKR 936.40 Million</b>	
<p>1. Sukkur Barrage Model Study:</p> <p>2. Kotri Barrage Initial Safety Assessment:</p> <p>3. Kotri Barrage – Gauge Wells</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Consultancy contract signed on 8/1/2025 with M/s. Artelia Firm for conducting model study.</li> <li><input type="checkbox"/> Firm arranged visit of senior officers of Irrigation Department including Secretary visited physical model at their laboratory in Grenoble France held on 11-15 November, 2024 followed by second visit for an other group of senior officials held on 3-11 April, 2025.</li> <li><input type="checkbox"/> Artelia’s updated justification note for the assignment extension was approved through Variation Order 02 on 19 September 2025. Progress on the physical and numerical models was presented to the Irrigation Department on 22 September, with the draft final report due next month and the final workshop planned for early December in Karachi.</li> <li><input type="checkbox"/> Award of consultancy services, the REOI published in newspapers on 8<sup>th</sup> January, 2025 with last date of 31<sup>st</sup> January, 2025.</li> <li><input type="checkbox"/> Shortlisting of firms approved by World Bank and RFP issued to the Shortlisted firms. Pre-proposal conference was held on 12<sup>th</sup> June, 2025. Technical Proposals opened on 14<sup>th</sup> July, 2025; evaluation process initiated.</li> <li><input type="checkbox"/> As requested by CE, Kotri, PMO is in process of bidding for procurement of batteries and additional motors required for lifting of Barrage Gates and recouping of piezometers.</li> </ul>
<b>COMPONENT-D: River Basin Water Resources and Riverine Management Cost: PKR 250.00 Million</b>	
	<ul style="list-style-type: none"> <li><input type="checkbox"/> Participation of Sindh Wildlife Department (SWD) under project was agreed by World Bank and PSC with initial budget of Rs. 196.98 million; MoU was accordingly signed in September 2021.</li> <li><input type="checkbox"/> The budget proposal expired in June 2023 need to be revised.</li> <li><input type="checkbox"/> Procurement for equipment for SWD worth Rs. 17.133 million has been completed.</li> <li><input type="checkbox"/> The planned Dolphin Population Survey (April 2025) was postponed due to security concerns;</li> <li><input type="checkbox"/> Seven Indus dolphins were successfully rescued by SWD teams without any fatalities.</li> <li><input type="checkbox"/> Construction of SWD building in Sukkur is delayed due to other ongoing works.</li> <li><input type="checkbox"/> In a recent PSC meeting held on 30/10/2025 .</li> </ul>

<b>ISSUES/ACTION:</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> A critical issue has arisen in the S1 contract for the rehabilitation of Sukkur Barrage, stemming from the omission of a foreign currency price adjustment mechanism. This has led to an estimated overpayment of USD 3.75 million. The World Bank has flagged the matter as non-compliant, declared the overpaid amount ineligible for financing, and advised that it be recovered from the contractor and till then all payments to contract be suspended. To address this, a Dispute Avoidance and Adjudication Board (DAAB) is being established and proceedings are underway. PCMU has also shared its technical analysis.</li> <li><input type="checkbox"/> Executing full or partial removal of silt Excluder obstructing left pocket gate replacement.</li> <li><input type="checkbox"/> Develop alternate temporary supply arrangements for Rainee Canal farmers during closure.</li> <li><input type="checkbox"/> Improve Operation &amp; maintenance of Sindh barrages (Component B).</li> <li><input type="checkbox"/> Auction Scrap gates, allocate land for temporary scrap storage at Sukkur.</li> <li><input type="checkbox"/> Security issues in surrounding area of Guddu and Sukkur Barrage.</li> <li><input type="checkbox"/> Slow Progress due to limiting movement of Chinese staff and Working Hours</li> <li><input type="checkbox"/> Environmental &amp; Social Safeguard Specialist positions are vacant at PMO SBIP which needs to be filled immediately.</li> </ul>
<b>WAY FORWARD:</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Permission to Chinese staff for 24 hours working.</li> <li><input type="checkbox"/> For the project requirements and to allow future use of bulkhead gates for maintenance purposes, it is recommended to remove 60ft length of the silt excluder walls. In addition, it is recommended that the top slab be fully removed to minimize the risk of blockage.</li> <li><input type="checkbox"/> Three locations for temporary supplies have been identified and are under review.</li> <li><input type="checkbox"/> DAAB is established to resolve the Price Adjustment issue in S1 Contract.</li> <li><input type="checkbox"/> Approvals / NOL of Dredger under S-3 Contract-SBIP is under process</li> </ul>

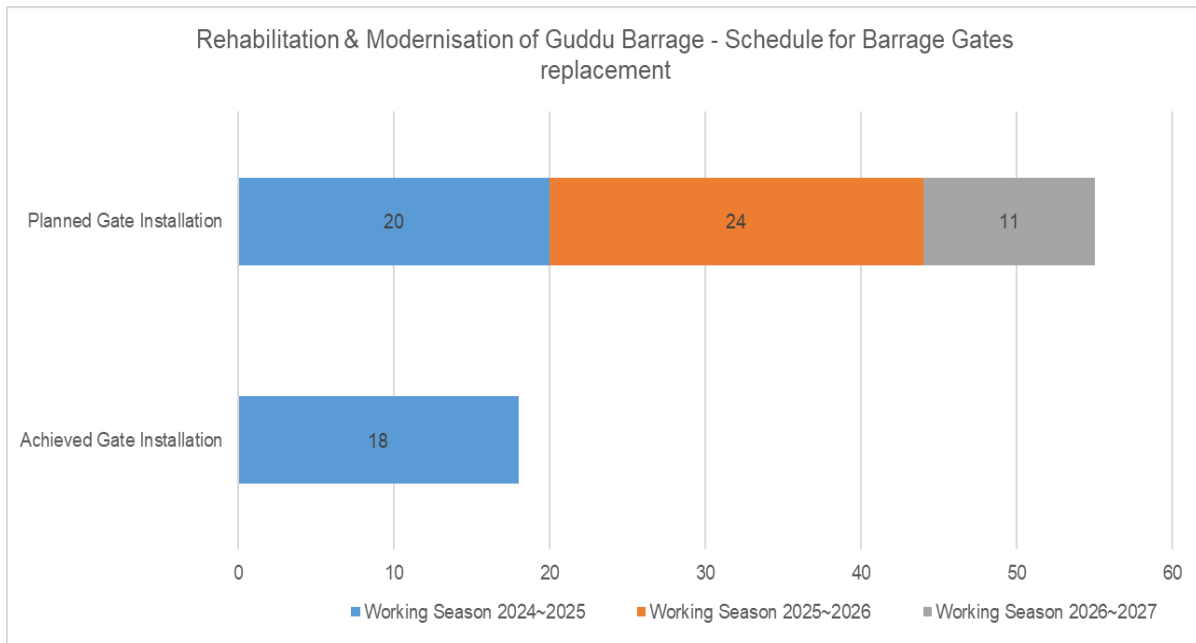
### SBIP/G2 Planned Physical Vs Actual physical Progress



### SBIP/S1 Planned Physical Vs Actual physical Progress



### SCHEDULE FOR GUDDU BARRAGE GATE REPLACEMENT



### SCHEDULE FOR SUKKUR BARRAGE GATE REPLACEMENT

