

## SBIP Project – Progress Bulletin – September 2024

**Project Description:** Sindh Irrigation Department's capacity to effectively rehabilitate, operate, and manage the Sukkur Barrage, as well as to improve the reliability and safety of the Guddu Barrage while enhancing the department's ability to operate and manage it.

<b>Guddu</b>	Signing Date 26-08-2015	Closing Date	22-12-2020	Extended Date:	22-12-2021
<b>Sukkur</b>	Signing Date 13-06-2018	Closing Date	30-06-2028	Extended Date:	30-09-2027

**Executing Agencies/Project Implementing Units (PIUs):**

Irrigation Department, Government of Sindh through Project Management Office (PMO), SBIP

Approved Cost (Million in PKR)	Guddu Barrage		Sukkur Barrage
<b>FPA (IDA):</b>	68,349.94	29,494.60	38,855.34
<b>GOS (ADP):</b>	6,268.40	1,840.80	4,427.60
<b>Total:</b>	74,618.34	31,335.40	43,282.94

	Actual Expenditure From 1 <sup>st</sup> July, 2024 to 31 <sup>st</sup> August, 2024			Expenditure From 1 <sup>st</sup> September, 2024 to 30 <sup>th</sup> September, 2024			BUDGET ESTIMATES 2024-25		
	FPA		GOS	FPA		GOS	FPA		GOS
SBIP	Through Assignment Account	Through Direct Payment		Through Assignment Account	Through Direct Payment		Through Assignment Account	Through Direct Payment	
<b>PKR</b>	798.625	321.209	0	376.347	616.725	0	9,379.14	2,988.09	1161.06
<b>US\$:</b>	2.857	1.151	0	1.349	2.216	0	33.62	10.71	4.16

## Overall Project Activity Progress-September-2024:

- ❑ On 18th September 2024, a meeting with PDMA (Rescue 1122) at Sukkur discussed emergency service arrangements. The Rescue team assured ongoing support and coordination during coffer dam construction and other project activities.
- ❑ Monthly meeting was held on 25th September 2024 at the SWD Regional office in Sukkur with the Deputy Conservator of the Wildlife Department, attended by the E&S Contractor, PIC, and PMO. The agenda focused on the deployment and management of the Indus Dolphin Exclusion Zone. SWD officials discussed the monitoring mechanism and responsibilities during the coffer dam activity, providing input and suggestions on the topic.
- ❑ Overall 68% physical progress and 62% financial progress achieved on Guddu Barrage works, whereas 18% physical and 24% financial progress achieved on Sukkur Barrage works.
- ❑ The detailed component wise as well as contract wise progress has been described in the next slides



## COMPONENT-WISE ACTIVITY PROGRESS

<u>Component-A</u>	<u>SBIP/G2: Replacement of Main Barrage &amp; Head Regulators Gates and Building Works:</u>
<p>1. Rehabilitation &amp; Modernization of the Guddu Barrage. <i>Cost: 31,335.40 PKR Million</i></p> <p>2. Rehabilitation and modernization of Sukkur Barrage and its Associated Structures. <i>Cost: PKR 43,282.59 PKR Million</i></p> <p><b>Overall Physical and Financial Progress:</b> <i>Guddu Barrage:</i> <i>Physical : 68%</i> <i>Financial: 62%</i></p> <p><i>Sukkur Barrage:</i> <i>Physical : 18%</i> <i>Financial: 2.4%</i></p>	<p><b>Building Construction completed.</b></p> <ul style="list-style-type: none"> <li>• Revised VO-16 submitted on STEP for World Bank review on 22nd July 2024; comments received on 5th August 2024.</li> <li>• Updated VO-16 with supporting documents shared by PIC on 12th August 2024 after PMO discussions.</li> <li>• Contractor and PIC signed the revised VO-16 on 22nd August 2024; shared with PMO.</li> <li>• Joint visit to China for inspection of two main weir gates (G31, G32); hoists H15, H16 not ready for FAT.</li> <li>• Contractor confirmed shipment of 16 gates from China, expected to arrive in October.</li> <li>• Barrage Authorities approved, opening of 10 main barrage gates during flood season; trial run conducted for new chain slippage cage on 20th August 2024.</li> <li>• Revised design calculations for canal hoisting systems submitted; PIC provided review comments &amp; met with the Contractor on 29th August 2024 to finalize.</li> <li>• Barrage Workshop superstructure and finishing substantially completed; electrical and instrumentation works ongoing.</li> <li>• Site security at Guddu addressed, project activities resumed on 9th August 2024; request for Special Protection Unit (SPU) escalated, with SPU assessment conducted on 31st August 2024.</li> <li>• Main Gate Installation 10 complete, Hoisting System 10 complete</li> <li>• <b>Physical Progress: : 64.24%, Financial Progress: 58.89%</b></li> </ul> <p><b><u>SBIP/G3: River Training Works:</u></b></p> <ul style="list-style-type: none"> <li>• <b>Physical Progress: 100%</b> Performance certificate issued, The Final Payment Certificate for the SBIP/G3 Contractor was issued by PIC on 20th August 2024.</li> </ul> <p><b><u>SBIP/G3A: Construction of Right TJ Spur upstream of Guddu Barrage:</u></b></p> <ul style="list-style-type: none"> <li>• Bid evaluation report submitted to the World Bank on 25th April 2024.</li> <li>• Negotiation meetings with the sole bidder held at PMO office in Karachi on 3rd and 22nd July 2024, following World Bank concurrence.</li> <li>• Revised bid reviewed by PMO and PIC.</li> <li>• letter requesting an updated bid was issued on 16th August 2024, with a response received on 20th August 2024.</li> </ul> <p><b><u>SBIP/S1: Restoration and Upgradation of Sukkur Barrage</u></b></p> <ul style="list-style-type: none"> <li>• <b>Physical Progress: 14.89 % , Financial Progress: 11.43%</b> (noting 10% advance payment is not included)</li> <li>• Defect remediation and minor works continued at Engineer's Compound.</li> <li>• 3D ultrasonic surveys completed for 10 bays; revised report for Bays 06 and 36 under review. RCC arch repair work on Bays 11 and 12 started.</li> <li>• Wheel assembly mock-up reviewed, adjustments in progress, Material shipment arrived, testing next month; gate fabrication started.</li> <li>• Camp D development continued, CNC machine installation ongoing. Sheet piles for cofferdam arrived at Karachi Port; pontoon box fabrication ongoing.</li> <li>• Updated canal gate design submitted, PIC review completed.</li> </ul> <p><b><u>SBIP/S2:</u></b></p> <ul style="list-style-type: none"> <li>• World Bank reviewed draft Variation Order for merging SBIP/S2 with SBIP/S1, providing comments on 22nd August 2024.</li> <li>• Online meeting held on 29th August 2024 between PCMU, PMO, and PIC to discuss.</li> <li>• Updated justification paper and responses shared with PMO on 30th August 2024 for further action.</li> </ul> <p><b><u>SBIP/S3: Procurement of Dredgers:</u></b></p> <ul style="list-style-type: none"> <li>• On hold</li> </ul> <p><b><u>SBIP/S4: Desilting of Rice Canal from RD 0 to RD 82.40.</u></b></p> <ul style="list-style-type: none"> <li>• De-silting of Rice Canal (RD 0 to RD 92.4) and Warah Branch (RD 0 to RD 3.4) completed, with Taking-Over Certificate issued on 14th June 2024.</li> <li>• Defect rectification and minor outstanding works are ongoing this month. <b>Physical Progress: 99%, Financial Progress: 95%</b></li> </ul>

<p align="center"><b><u>COMPONENT-B</u></b></p> <p><b>GUDDU: Improved Barrage Operation.</b> Cost: PKR 232.00 Million <b>SUKKUR: Improved Barrage Operation.</b> Cost: PKR 1336.00 Million</p>	<ul style="list-style-type: none"> <li>• Establishment of Barrage Monitoring Unit: Established 100%</li> <li>• Emergency Preparedness Plan for Guddu, Sukkur and Kotri Barrages in progress</li> <li>• Calibration of Three canals of Guddu Barrage is in progress</li> <li>• Prequalification for contracts SBIP/G2, SBIP/G3 and SBIP/S1 are complete.</li> </ul>
<p align="center"><b><u>COMPONENT-C</u></b></p> <p><b>Technical Studies.</b> Cost: PKR 936.40 Million</p>	<p><b>Model Study for Sukkur Barrage:</b></p> <ul style="list-style-type: none"> <li>• M/s Artelia submitted the final first progress report on 7th August 2024, addressing PIC and PMO comments</li> <li>• Physical model constructed, and test runs are underway</li> </ul> <p><b>Initial Safety Assessment for Kotri Barrage:</b></p> <ul style="list-style-type: none"> <li>• Conducted by Andrew Kirby (PIC's Barrage Safety Specialist) in September 2022, &amp; Assessment submitted to PMO on 9 November 2022.</li> </ul>
<p align="center"><b><u>COMPONENT-D</u></b></p> <p><b>River Basin Water Resources and Riverine Management</b> Cost: PKR 250.00 Million</p>	<ul style="list-style-type: none"> <li>• The Sindh Wildlife Department conducted a Dolphin Population Survey in April 2019 and planned another for 2024. However, due to law and order issues between Guddu and Sukkur Barrage, the survey was delayed, with the Police Department declining to provide a security squad. The World Bank recommended involving law enforcement and adding the issue to the PSC agenda for resolution, as the survey is crucial for the SBIP project.</li> <li>• A Dolphin Rescue Centre was established at Sukkur, and goods and vehicles were procured for the Sindh Wildlife Department according to their specifications</li> <li>• Procurement process has been carried out but no technical progress has occurred.</li> </ul>
<p align="center"><b><u>COMPONENT-E</u></b></p> <p><b>Project Management and Evaluation, Price Escalation and Physical Contingencies.</b> Cost: 13,033.4 Million</p>	<ul style="list-style-type: none"> <li>• Project Management (Ongoing)</li> <li>• Project Coordination &amp; Monitoring Unit</li> <li>• Technical Assistance by UNFAO</li> </ul>
<p align="center"><b><u>ISSUES/ACTION:</u></b></p>	<ul style="list-style-type: none"> <li>• Incident in June and July by local miscreants. After that additional police force and APC have been deployed.</li> <li>• PIC is monitoring Security arrangement on Daily basis and reporting to PMO. The security situation is under control.</li> <li>• Further request has been sent to DIG Police for non CPEC to establish SPU for Chinese nationals from the sub-contractor JHMC.</li> <li>• <b>Administrative Approval:</b> Authentication by the Finance Department is still pending.</li> <li>• <b>Salary Issue:</b> SBIP staff salaries have not been paid since July 2024 due to the non-issuance of DRO, causing hardship.</li> </ul>
<p align="center"><b><u>WAY FORWARD:</u></b></p>	<ul style="list-style-type: none"> <li>• <b>Silt Excluder Removal (Guddu Barrage):</b> The silt excluder in the left pocket is obstructing gate replacements in bays 63, 64, and 65. The Departmental Technical Committee decided on 16th April 2024 to fully remove it to prevent silting in the Ghotki Feeder Canal Network, endorsed by the Secretary Irrigation. A meeting with the Minister is requested for further discussion.</li> <li>• <b>Auction of Scrapped Material (Guddu and Sukkur Barrages):</b> The Departmental Technical Committee, in its 23rd July 2023 meeting, proposed a 20% premium over market rate for the auction. Bidders will sign a contract for the 3-4 year project duration. Absent members were asked to provide input within a week before finalizing the auction due to World Bank pressure.</li> </ul>