



NO: PCMU/SWAT/ 6380
Government of Sindh
Planning & Development Department
Directorate of Sindh Water Sector & Barrages
Improvement
(PCMU-SSU)

Karachi dated: 17th June, 2025

NOTE FOR CHAIRMAN P&DD, Go SINDH

SUBJECT: PROGRESS BULLETIN OF SINDH BARRAGES IMPROVEMENT PROJECT, PROJECT COORDINATION & MONITORING UNIT (PCMU), P&DD

PUC is the updated progress of the Sindh Barrages Improvement Project (Rehabilitation of Guddu Barrage Project & Rehabilitation of Sukkur Barrage Project), as of May 2025, for your perusal please.

**Nazeer Ahmed Memon
Project Coordinator**

Secretary Planning

Chairman, P&D

SBIP Project – Progress Bulletin - May 2025

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.

Guddu	Signing Date 26-08-2015	Closing Date	22-12-2020	Extended Date:	22-12-2021
Sukkur	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), Sindh Barrages Improvement Project

Approved Cost (Million in PKR)	Guddu Barrage		Sukkur Barrage
FPA (IDA):	68,349.94	29,494.60	38,855.34
GOS (ADP):	6,268.40	1,840.80	4,427.25
Total:	74,618.34	31,335.40	43,282.59

	Actual Expenditure From 1 st July, 2024 to 30 th April, 2025			Expenditure From 1 st May, 2025 to 31 st May, 2025			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	
PKR	4,290.895	3,531.992	0	188.827	435.288	0	12,168.00	4,207.298	1,161.06
US\$:	15.380	12.636	0	0.674	1.546	0	44.49	15.032	4.16

COMPONENT-WISE ACTIVITY PROGRESS

Component-A

1. Rehabilitation & Modernization of the Guddu Barrage.

Cost: 31,335.40 PKR Million

2. Rehabilitation and modernization of Sukkur Barrage and its Associated Structures.

Cost: PKR 43,282.59 PKR Million

➤ **Sukkur Barrage:** Over all 30% physical progress and 26% financial progress achieved.

➤ **Guddu Barrage:** Over all 72% physical progress and 67% financial progress achieved.

SBIP/S1: Restoration and Upgradation of Sukkur Barrage

Coffer Dam:

- All 16 gates have been installed and tested satisfactory.

Gate Fabrication and Installation

- Material/steel for the 34 Gates(27 for river sluice & 7 for scour sluice) have been procured and delivered at site.
- Review the design of the hoisting system is in progress.

Trial Gate Nr 36:

- Successfully installed.
- Fabrication of 17 river sluice gates completed.
- Sandblasting of 16 gates completed.
- Paint work of 16 gates completed.
- Installation of 15 gates is in progress.
- Hoisting system at gate 59 to 44 completed.

Building works:

- ENGINEERS COMPOUND: 100%
- NEW XEN OFFICE BLOCK (B-2): 80%
- SE Office (B-4): 90% PMO Office : 10%
- **Physical Progress: 29.62%**
- **Financial Progress: 26.54 %**

SBIP/S2: Dredging and excavation from left and right pockets, approach and tail channels of Sukkur Barrage

- World Bank NoL – Received
- Scope of S1 of merged within S1 contract
- Signing stage with CRBC-HBSZ and PMO
- Works will commence this year

SBIP/S3: Procurement of Dredgers:

- Review of potential suppliers is underway

SBIP/S4: Desilting of Rice Canal from RD 0 to RD 82.40.

- De-silting of the Rice Canal (RD 0–92.4) and Warah Branch (RD 0–3.4) completed; Taking-Over Certificate issued on 14 June
- RD markers pre-cast at the Contractor's camp; installation planned before the defects period ends on 10 December 2024.
- Performance certificate was issued on 27th Dec 2024
- The Final Payment Certificate was issued on 8th January 2025.
- The SBIP/S4 contract is now completed.
- **Physical Progress: 100%, Financial Progress: 100%**

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SBIP/G2: Replacement of Main Barrage & Head Regulators Gates and Building Works:

Barrage works:

1. Construction of Cofferd Dam from Gates (44-59):

- Cofferdam construction from gates 44 to 59 was completed in March 2025.
- Installed ~2,040 steel sheet piles along upstream and downstream sections.
- Excavated 3.8 million cubic feet of riverbed soil using advanced dredging techniques.
- Packed excavated soil into 160 sandbags to reinforce the cofferdam.
- Dewatering completed with 22 wells upstream and 27 downstream.
- Desilting operations inside the cofferdam finalized.

2. Replacement of 20 barrage gates and associated civil repair works:

- 10 Gates by M/S Rona Makina installed.
- 30 Gates by M/S JHMC FATs conducted and 10 are in progress.
- 8 gates are in fabrication line.
- 28 Gates delivered at Site.
- 19 Gates Installed and 1 is in progress.

3. Construction of Barrage Workshop:

- Remaining works include electrical fittings and installation of workshop equipment.
- Equipment procurement is in progress at various stages.

4. Building Works

- Completed

5. Hoisting System

- 10 Hoists & 02 Motor trollies by RONA completed.
- FATs for 25 Hoists & 06 Motor trolleys by JHMC conducted.
- 19 Hoists are in fabrication line.
- 20 Hoists & 06 Motor Trolleys delivered at site.
- 18 Hoists installed and 2 are in progress
- **Physical Progress:** : 72.52%
- **Financial Progress:** 66.73%

6 Construction of gauge wells at Sukkur Barrage

- Construction of gauge wells on three right-side canals began during the 2025 closure period.
- **Rice Canal:** Reinforced concrete well and pipe installation completed.
- **North-West Canal:** Reinforced concrete well and pipe installation completed.
- **Dadu Canal:** Reinforced concrete well, pipe installation, and brick masonry room completed.

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SBIP/G3: River Training Works:

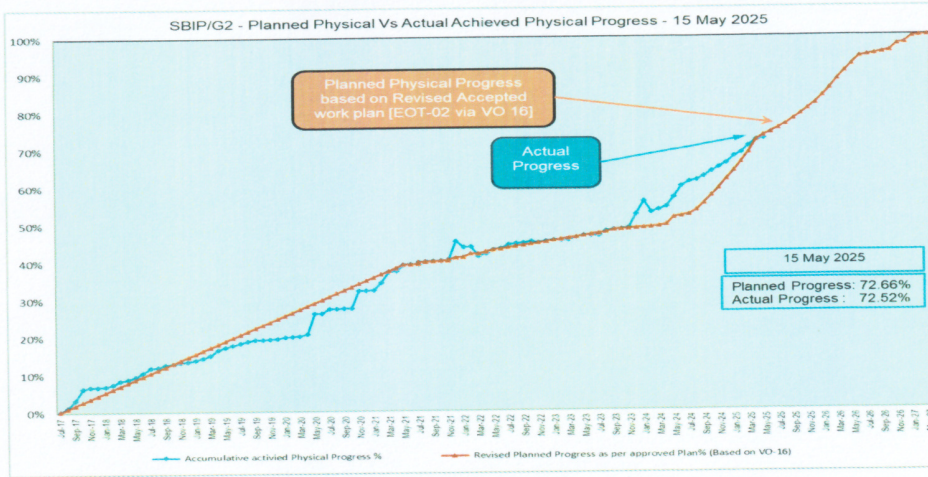
- **Physical Progress:** 100% Performance certificate issued, The Final Payment Certificate for the SBIP/G3 Contractor was issued by PIC on 20th August 2024.

SBIP/G3A: Construction of Right TJ Spur upstream of Guddu Barrage:

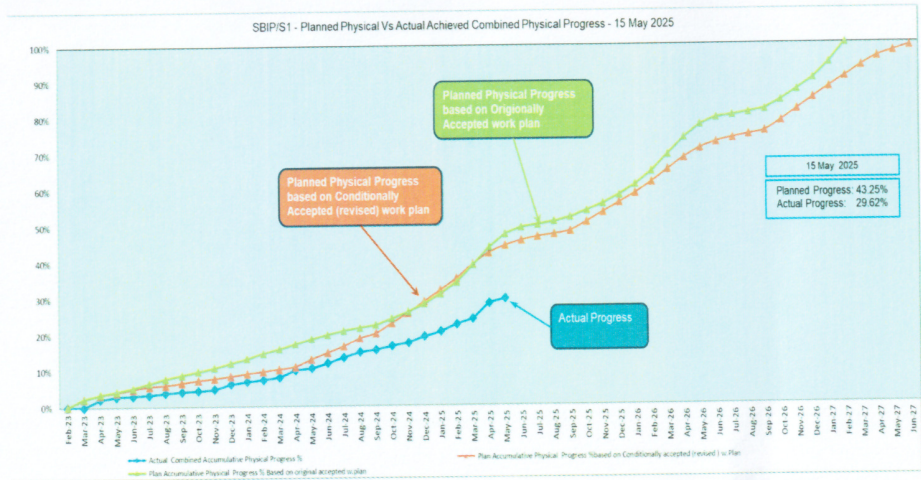
- Request for Bids has been published in Newspaper on 30th April, 2025.
- Pre-Bid Meeting held on 8th May, 2025
- Bid Opening held on 29th May, 2025.

<p align="center">COMPONENT-B</p> <p>GUDDU: Improved Barrage Operation. Cost: PKR 232.00 M SUKKUR: Improved Barrage Operation. Cost: PKR 1336.00 M</p>	<p>PIC Support: Assisting PMO with emergency preparedness and sediment studies under Component B. Flow Monitoring: Calibration for Guddu canals ongoing; gauge wells for Sukkur and Kotri Completed (3 Right Bank Canals) (4 of left bank Canals will be completed in 2026 closure period) ; coordination with G2 Contractor planned for 2026. Sediment Management: SOP updated; training conducted; trial flushing at Sukkur not approved; 2024 sampling results under review. Barrage Safety: PoE reviewed designs, investigated gate failures, and provided feedback on ongoing works. Emergency Preparedness: Draft EPP updated; NGOs consulted on evacuation; DSS integration under discussion. BMU Updates: The Irrigation Department is preparing a summary to establish SE/MRO under CE-BMU, including a new MRO Division, with clear roles for flow monitoring, sediment management, maintenance, and emergency preparedness.</p>
<p align="center">COMPONENT-C</p> <p>Technical Studies. Cost: PKR 936.40 Million</p>	<p>Sukkur Barrage Model Study:</p> <ul style="list-style-type: none"> • Shortlisting of firms is complete and submitted to the World Bank via STEP after committee approval. • Draft RFP prepared and shared with Committee members; also uploaded on STEP for review. • First visit to the physical model laboratory was in November 2024, followed by a second visit in April 2025. • The visits followed the workshop held on June 27, 2024, in Karachi. • Zero draft submitted and updated draft shared with SID for comments. • Physical and numerical models developed and calibrated using past flood data. • Workshop held on 30 July 2024 with senior irrigation officials; Artelia submitted a technical note. • Senior officials and PMO visited in April 2025 to review models and advise on further steps.
<p align="center">COMPONENT-D</p> <p>River Basin Water Resources and Riverine Management Cost: PKR 250.00 Million</p>	<ul style="list-style-type: none"> • The conservation project was approved by the World Bank and PSC with a budget of Rs. 196.98 million; MoU was signed in September 2021. • The original proposal expired in June 2023; a revised proposal of Rs. 179.847 million (FY 23–24 to 2026–27) is currently awaited. • Procurement for equipment worth Rs. 17.133 million was completed, but technical implementation is still pending. • The planned Dolphin Population Survey (April 2025) was postponed due to security concerns; the World Bank recommended raising this at PSC and coordinating with law enforcement. • Seven Indus dolphins were successfully rescued by SWD teams without any fatalities. • Construction of the SWD building in Sukkur is delayed due to other ongoing works, with initiation now expected in June 2025. • SWD submitted the last report in September 2023; a new focal person now commits to regular reporting and compliance.
<p align="center">COMPONENT-E</p> <p>Project Management and Evaluation, Price Escalation and Physical Contingencies. Cost: 13,033.4 Million</p>	<ul style="list-style-type: none"> • Project Management (Ongoing) • Project Coordination & Monitoring Unit • Technical Assistance by UNFAO
<p align="center">ISSUES/ACTION:</p>	<p>ISSUES/ ACTIONS:</p> <ul style="list-style-type: none"> • Security issues in surrounding area of Guddu and Sukkur Barrage • Slow Progress due to limiting movement of Chinese staff and Working Hours
<p align="center">WAY FORWARD:</p>	<ul style="list-style-type: none"> • SoP to be followed • Permission to Chinese staff for 24 hours working. • Bullet Proof Vehicles for foreign staff.

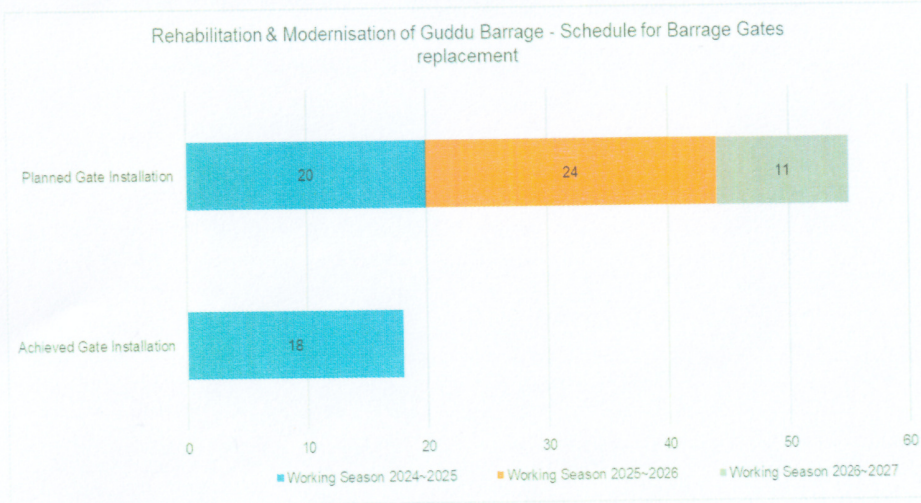
SBIP/G2 Actual Progress v/s Revised Work Plan



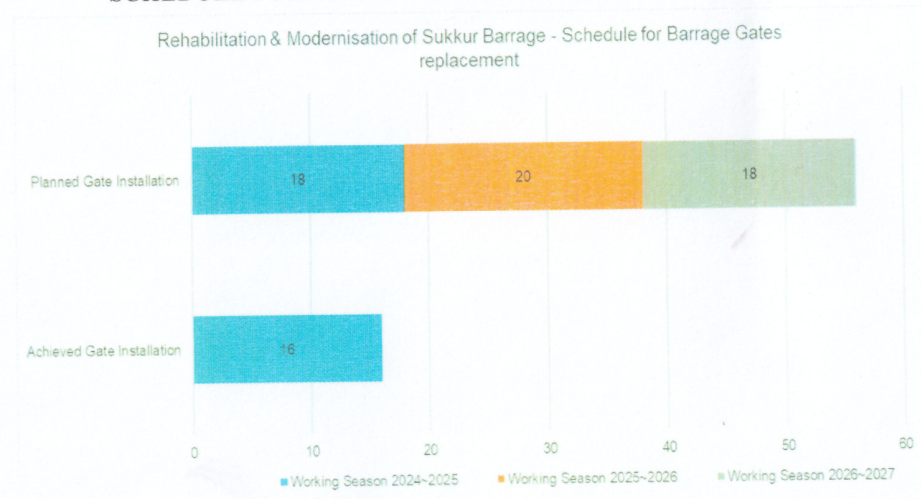
SBIP/S1 Actual Progress v/s Revised Work Plan



SCHEDULE FOR GUDDU BARRAGE GATE REPLACEMENT

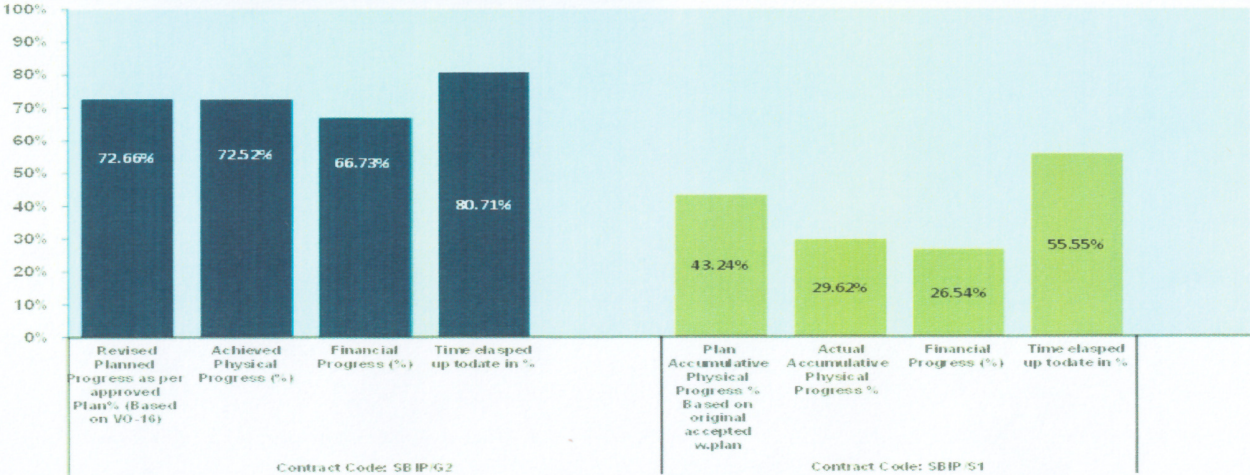


SCHEDULE FOR SUKKUR BARRAGE GATE REPLACEMENT



SBIP/G2 & SBIP/S1 Actual Progress v/s Revised Work Plan As on 25th May 2025

Fortnight Period up to	Contract Code: SBIP/G2				Contract Code: SBIP/S1			
	Revised Planned Progress as per approved Plan% (Based on VO-16)	Achieved Physical Progress (%)	Financial Progress (%)	Time elapsed up to date in %	Plan Accumulative Physical Progress % Based on original accepted w.plan	Actual Accumulative Physical Progress %	Financial Progress (%)	Time elapsed up to date in %
15-May-25	72.66%	72.52%	66.73%	80.71%	43.24%	29.62%	26.54%	55.55%



Disbursement & Expenditure (Guddu & Sukkur)

**SINDH BARRAGES IMPROVEMENT PROJECT
DISBURSMENT AND EXPENDITURES
UPTO MAY, 2025**

