

SBIP Project – Progress Bulletin – JUNE 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.

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):

1. Irrigation Department, Government of Sindh
2. Project Management Office (PMO), SBIP

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	4,427.60
Total:	74,618.34	31,335.40	43,282.94

	Actual Expenditure From 1 st July, 2023 to 30 th May, 2024			Expenditure From 1st June, 2024 To 30th June, 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	
PKR	4,780.453	2,428.41	143.65	296.218	677.886	6.35	9,379.14	2,988.09	1161.06
US\$:	16.786	8.65	0	1.056	2.430	0	33.62	10.71	4.16

Component-wise Activity Progress

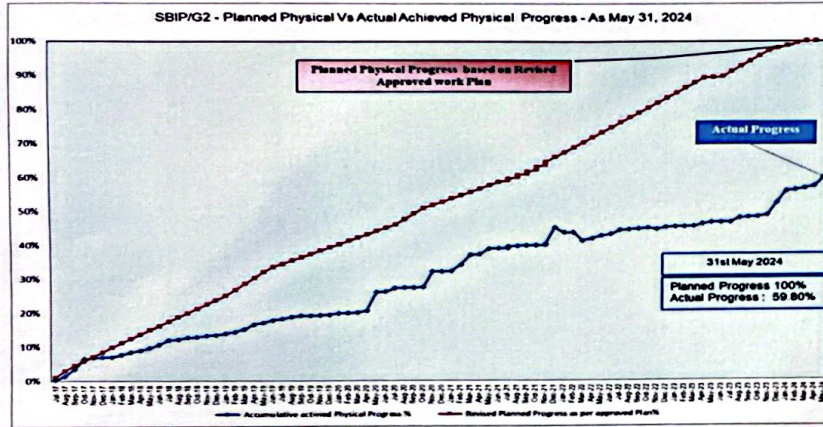
<u>Component-A</u>	<u>SBIP/G2: Replacement of Main Barrage & Head Regulators Gates and Building Works:</u>
<p>1. Rehabilitation & Modernization of the Guddu Barrage. Cost: 31,335.40 PKR Million</p>	<ul style="list-style-type: none"> • Building Construction completed.
<p>2. Rehabilitation and modernization of Sukkur Barrage and its Associated Structures. Cost: PKR 43,282.59 PKR Million</p>	<p>Replacement of 65 Main Barrage Gates and Hoisting Equipment:</p> <ul style="list-style-type: none"> • 10 out of 65 gates with hoists installed. • Material for 38 gates procured; fabrication started in China. • 4 gates completed and ready to ship to Pakistan. • The hoisting fabrication is also underway, with 20 sets of canopy sheet material procured and 10 sets of components in various stages of fabrication. • Fabrication of 12 gates completed. • Remaining 22 gates to be completed by December 2024, remaining gates to be manufactured in China with the same designs and specifications. • Civil repair work of Glacis Bays 54, 56, 58, and 60 has been completed. • Physical Progress: 59.80% • Financial Progress: 55.18%
<p>Overall Physical and Financial Progress: Guddu Barrage: <i>Physical : 65%</i> <i>Financial: 60%</i></p>	<p>SBIP/G3: River Training Works:</p> <ul style="list-style-type: none"> • Physical Progress: 100% Performance certificate issued. • Financial Progress: 95% (Final payment Application is to be submitted by the Contractor) • Performance Certificate has been issued.
<p>Sukkur Barrage: <i>Physical : 15%</i> <i>Financial: 21%</i></p>	<p>SBIP/G3A: Construction of Right TJ Spur upstream of Guddu Barrage:</p> <ul style="list-style-type: none"> • The procurement process is underway with the bid evaluation report now under review of World Bank. • The World Bank has sent Comments with useful guidance.
	<p>SBIP/S0: Replacement of Six Numbers Gate of Sukkur and Associated Works on Emergent basis:</p> <ul style="list-style-type: none"> • 06 gates of Main Barrage have been replaced. • PIC to certify final payment.
	<p>SBIP/S1: Restoration and Upgradation of Sukkur Barrage</p> <ul style="list-style-type: none"> • Physical Progress: 10.91% • Financial Progress: 19.13% (including 10% advance payment has been made)
	<p>Building works progress:</p> <ul style="list-style-type: none"> • Engineers Compound: 90% • New EXEN Office Block (B-2): 15% • SE Office (B-4): 70% • PMO Office: 5%
	<p>SBIP/S3: Procurement of Dredgers:</p> <ul style="list-style-type: none"> • On hold
	<p>SBIP/S4: Desilting of Rice Canal from RD 0 to RD 82.40.</p> <ul style="list-style-type: none"> • Physical Progress: 91% • Financial Progress: 85%

<p>Component-B GUDDU: Improved Barrage Operation. Cost: PKR 232.00 Million SUKKUR: Improved Barrage Operation. Cost: PKR 1336.00 Million</p>	<ul style="list-style-type: none"> • Establishment of Barrage Monitoring Unit: Established 100% • Emergency Preparedness Plan for Guddu, Sukkur and Kotri Barrages: in progress • Calibration of Three canals of Guddu Barrage is in progress • Prequalification for contracts SBIP/G2, SBIP/G3 and SBIP/S1 are complete.
<p>Component-C Technical Studies. Cost: PKR 936.40 Million</p>	<p>Model Study for Sukkur Barrage:</p> <ul style="list-style-type: none"> • Consultancy agreement signed on 8 January 2024. • Kick-off meeting held on 25 January 2024, and • M/s Artelia's commencement date: 7 February 2024. • Data collection completed and inception report submitted on 15 March 2024.. • Final inception report submitted on 18 April 2024. • Physical Model construction of Sukkur and Guddu Barrages started numerical model is also conducted parallely • ROEI has been published in Newspaper on 28th February, 2024 while Deadline for submission of REOI is 23-April-2024. • Shortlist of the consultants are under preparation. <p>Initial Safety Assessment for Kotri Barrage:</p> <ul style="list-style-type: none"> • Conducted by Andrew Kirby (PIC's Barrage Safety Specialist) in September 2022. • Assessment submitted to PMO on 9 November 2022.
<p>Component-D River Basin Water Resources and Riverine Management Cost: PKR 250.00 Million</p>	<ul style="list-style-type: none"> • Improved dolphin management and conservation: Dolphin population survey was carried out in year 2019. Next Survey is plan to be conducted. • Fish migration: Completed • Control of the flow downstream of Kotri Barrage: Completed • Sukkur Wild Life building construction have also been started and Procurement of following items is done, including Dolphin's rescue Boats, IT equipment's, bikes and Dolphin's Survey Instruments.
<p>Component-E 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>Issues/Action:</p>	<p>Chinese contractor at Sukkur Barrage, requesting additional bulletproof vehicles and Rangers support. Auctioning of scrap material from dismantled gates at Head Regulators and Guddu & Sukkur Barrages. Decision needed on dismantling Silt Excluders at Guddu Barrage. Security Issues at both Sukkur and Guddu Barrages. Gate 47 of the Sukkar Barrage sustained heavy damage. On spot, water was overtopping and gate was fully submerged.</p>
<p>Way forward :</p>	<p>The contract SBIP/G2: Replacement of Main Barrage & Head Regulators Gates and Building Works, is scheduled to be completed on 29-03-2024. The contractor is behind the target and it is not possible to complete the work within stipulated time. The extension of time is considered as way forward in the best interest of project to complete the contract smoothly. The Extension of Contract period up to 31-03-2027 is recommended by the Project Implementation Consultant (The Engineer), which is agreed as way forward. PC-1 has Cleared, Administrative Approval (AA) has to be issued, Authorization issued. Additional Financing was approved on March 22, 2024. Agreement has been signed, but effectiveness is on hold as legal opinion on project agreement is awaited from GoS.</p>

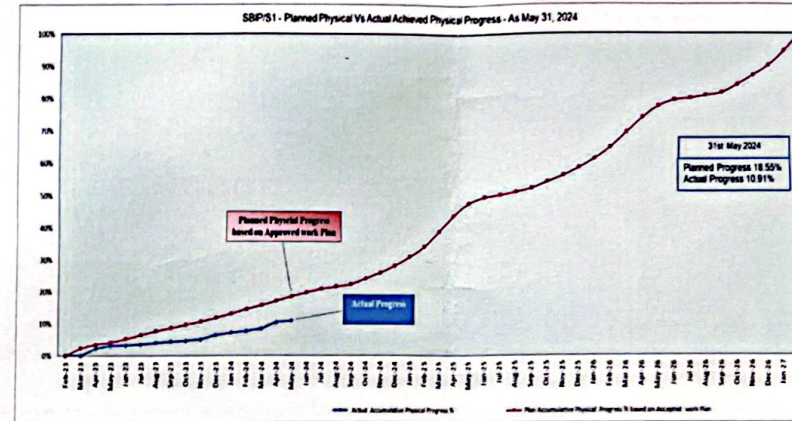
INCIDENT REPORT ON GATES 44 & 47 OF SUKKUR BARRAGE

- The Sukkur Barrage faced a serious setback. This incident occurred on 20th June 2024, Thursday evening, around 5:00 to 6:00 pm. Pakistan Standard Time.
- Gate 47 of the Sukkur Barrage sustained heavy damage. On spot, water was overtopping and gate was fully submerged. In result upper part of gate 47 collapsed and plunged into the water, and half of the remaining gate structure was also extensively damaged, with heavy cracks, and the structure was visually seen deformed and bent. Gate 44 was visible from the top, and cracks and bends in the gate body were noticed. The failure of both gates caused the pond level to significantly reduce from RL200 to RL194 within a few hours, and vital supplies of water to off-taking canals were disrupted.
- The leadership and technical management of Irrigation Department reached at the spot, and took charge of the situation. The Chinese and Descon contractors under SBIP, Bahria foundation the subsidiary of Pakistan Navy, and Karachi shipyard were mobilized. The Bahria foundation started placing the cofferdam and completely concealed it on 26th June, 2024. In the meantime, the technicians of Descon and Chinese contractors completed the repair works of minor damaged gates No. 44 and also did scrutiny check of remaining gates. The Chinese contractor with the help of Irrigation Department, mechanical wing mobilized the ponton barge and transported the caisson gate. Which was placed as substitute of gate no 47, concealing the escaping flows of Indus from Sukkur. On 28th the barrage emergency recovery work were completed, The pond level is maintained and canals are now getting average to normal flows.
- The Karachi shipyard is manufacturing the new gate, which is expected to reach at Sukkur on 20th July, 2024, which is expected to be installed with in 3-4 days.

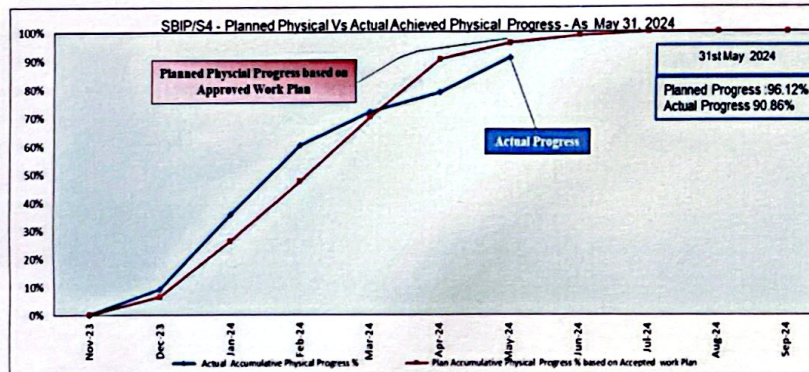
PHYSICAL PROGRESS CHART – G2 CONTRACTOR



PHYSICAL PROGRESS CHART – S1 CONTRACTOR



PHYSICAL PROGRESS CHART – S4 CONTRACTOR



MAIN BARRAGE GATE FABRICATION STATUS

