

GOVERNMENT OF BALOCHISTAN IRRIGATION DEPARTMENT



Contingency Plan for MONSOON SEASON 2017

Background

- **Balochistan Province being the largest area-wise in the country constitutes about 43% of total land mass with the high and medium altitude mountain ranges and hundred of thousand of rivers and effluent streams running from high contour to the low plains.**
- **There are 18 major River Basins and 73 Sub-Basins which on average generate about 10 MAF of Flood flow out of which only 2.5 to 3.0 MAF could be utilized/conserved through dams/ reservoirs, perennial, flood dispersal structures and weirs whereas rest of the flow goes waste in the sea.**
- **Due to massive water shed degradation due to mass scale cutting for forest and vegetation cover in the water shed area the interaction and retention period of snow and rain water with the ground is much reduced defeating the process of ground water infiltration and percolation and causing flooding due to high gradient and effluent streams which sometimes get violent causing huge losses in terms of infrastructure, public property and valuable human lives.**
- **The climatic condition in the province have also become erratic due to phenomena of global warming and climate change, leading to extreme weather events of prolong drought and excessive flooding having devastative impacts on different social sectors.**



LEGEND

	Main_Rivers
	DASHT
	GAJ
	GWADAR-ORMARA
	HAB
	HAMUN-E-LORA
	HAMUN-E-MASHKHEL
	HINGOL
	KACHHI PLAIN
	KADNAI
	KAHA
	KAND
	KUNDAR
	MULA
	NARI
	PISHIN LORA
	PORALI
	RAKSHAN
	ZHOB

STATUS OF IMPLEMENTATION DECISION OF 51ST ANNUAL MEETING OF FFC

- xx. **PID Balochistan** to ensure submission of all necessary flood information/rivers flow data to all concerned agencies including FFD, Lahore, on daily basis, during monsoon season 2016.

During the last monsoon season the information with regard to river flow data have been shared with all concerned included FFD/PMD and the field formation have been directed to ensure dissemination of same information to all concerned including PDMA, FFC & PMD during the entire Monsoon Season.

PREPARATION FOR CURRENT MONSOON SEASON

- **Instructions have been issued to the field staff for preparation of Monsoon Contingency Plans at District Level on the following lines and sharing of the same with the Deputy Commissioners concerned at the district level further ensuring that all the arrangements to combat any situation are practically in place on ground.**
- **Removal of all encroachments in the rivers, streams and waterways may be ensured for safe disposal of flood water within the river/stream bed.**
- **As per annual practice operation may be launched with the help of FC to remove all illegal pipes / out lets from Patfeeder and Khirther Canals during Kharif Season for smooth flow in the canal system.**
- **All the Flood Protection works undertaken may be completed well before the commencement of the ensuing monsoon season.**
- **The Earth Moving Machinery may be repaired and placed at the vulnerable places alongwith Manpower and Flood Fighting Material to combat any flood situation.**

- **The Finance Department GoB has been requested to allocate adequate funds for purchase of Abklani Material and for POL to combat flood situation.**
- **Round the clock operational control rooms may be established at each District and Divisional Headquarters for transmission of Daily flood situation report with effect from July 1st to September 30.**
- **Dissemination of information with regard to daily River flow data may be ensured to all concerned including PDMA, FFC & PMD during entire Monsoon Season.**

NORMAL EMERGENT FLOOD PROGRAMME

- The portfolio of Flood Protection Schemes approved for the year 2015-16 has been completed.
- The portfolio of 9 schemes approved against the allocation of current financial year (Rs.40.00 million) is in progress. The schemes are of small nature and would be completed before onslaught of monsoon seasons of 2017.

FLOOD PROTECTION WORKS UNDER PROVINCIAL PSDP.

- Under the Provincial PSDP 2016-17 56 schemes (22 ongoing & 34 New) are being implemented at a total cost of Rs.2320.00 million for total allocation of Rs.662.00 million.
- Phy: Progress on ongoing schemes is 75% and 35% phy: prg: achieved against new schemes.

FLOOD PROTECTION WORKS IN BALOCHISTAN

LIST OF VULNERABLE LOCATIONS

S.No	Name of Schemes	District	Cost (Rs.M)	Remarks
1	Flood Protection of Dera Allah Yar Town.	Jaffarabad	133.00	Dera Allah Yar Town was inundated from the floods of 2010. Flood Protection Bund is being constructed from Provincial resource at the cost of Rs.133 M with phy: prog: of 90% .
2	Dohri Distry Left Side Bank, Khirther Canal. RD-135+000 to 138+400, Khan Pur Distry (Tail portion), Faizabad Distry (Tail portion) and Piral Minor (Tail portion).	Jaffarabad	5.00	Strengthened from maintenance funds.
3	Rehabilitation of Drainage System Naseerabad.	Naseerabad	500.00	The drainage system Naseerabad Division which is vulnerable to flood was severely damaged from floods of 2010. The entire system is now being rehabilitated/ strengthened from Provincial resource at the cost of Rs.500 M with phy: progress of 95%.
4	Flood Protection Patfeeder Canal RD 109 – 370 (various reaches)	Naseerabad	85.00	The Patfeeder Canal from RD 109 – 370 is most vulnerable to floods. Critical reaches have been strengthened at Rs. 85.0 Million from provincial PSDP.
5	Flood Protection Talli Village	Sibi	10.00	The protection bund is vulnerable to floods. Bund is partially strengthened for Rs.10 M, however for further strengthening Rs.20.00 M are required.

FLOOD PROTECTION WORKS IN BALOCHISTAN

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S.No	Name of Schemes	District	Cost (Rs.M)	Remarks
6	Sibi town protection bund.	Sibi	10.00	Strengthened from maintenance funds.
7	Bakhra Ghulam Bolak Protection Spur Sibi.	Sibi	30.00	Strengthened/rehabilitated at Rs.30 M provided through Provincial PSDP.
8	Sarwati and Palosin Flood Protection Bund. Sibi town protection bund.	Harnai	20.00	Strengthened from maintenance funds.
9	Diversion Bund for Saliaza River Creek towards main Saliaza River, Flood Protection Bund form Inam Ghundai to end of Airport	Zhob	42.00	Strengthened /rehabilitated at Rs.42 M from maintenance funds.
10	Flood protection wall at Killi Hasanzai along bank of Saliaza River	Zhob	12.75	Strengthened /rehabilitated at Rs.12.75 M from maintenance funds.
11	Construction of Kangori Dam Shah Noorani area District Khuzdar	Khuzdar	94.00	Severe damages were received from floods of 2015 in Shah Noorani area with loss of human lives. A dam has now been constructed to conserve flood flow to minimize flood affects.

FLOOD PROTECTION WORKS IN BALOCHISTAN

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S.No	Name of Schemes	District	Cost (Rs.M)	Remarks
12	Protection wall Gulo Goth Shah Noorani area Tehsil Wadh District Khuzdar	Khuzdar	15.00	Severe damages were received from floods of 2015 in Shah Noorani area with loss of human lives. A Protection Wall is now being constructed for protection of Gulo Goth village
13	Flood Protection Bund Bagh Town	Kachhi at Dhadar	20.00	The protection bund is vulnerable to floods and require strengthening at Rs.20 M
14	Flood Protection Bund Haji Shaheer	Kachhi at Dhadar	10.00	The protection bund is vulnerable to floods and require strengthening at Rs.10 M
15	Flood Protection Bund Lehri Town	Kachhi at Dhadar	15.00	The protection bund is vulnerable to floods and require strengthening at Rs.15 M.
16	Shore Protection Sur Bandar	Gwadar	50.00	The protection bund has been constructed for protection of Sur Bandar Village which is vulnerable to Sea Tides. The bund requires maintenance/rehabilitation at the cost of Rs. 50.00 million.
17	Shore protection of Gwadar Town East Bay	Gwadar	30.00	The protection bund has been constructed for protection of Gwadar Town, which is vulnerable to Sea Tides. The bund requires maintenance/rehabilitation at Ra. 30.00 million.

FLOOD PROTECTION WORKS IN BALOCHISTAN

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18	Flood Protection Bund Kharan City	Kharan	6.00	The protection bund has been constructed for protection of Kharan city which is vulnerable location. Rs.6 M are required for restoration/ strengthening.
19	Bela Town Protection Bund (West Side)	Lasbela	20.00	The protection bund is vulnerable to floods and require strengthening at Rs.20 M
20	Jumen Bent Flood Protection Bund	Lasbela	15.00	The protection bund is vulnerable to floods and require strengthening at Rs.15 M
21	F/P Bund of Uthal town	Lasbela	5.00	The protection bund is vulnerable to floods and require strengthening at Rs.5 M
22	F/P Bund along Minor #3 Lasbela Canal Hub	Lasbela	2.50	The Gabion Protection Bund constructed for protection of Minor # 3 of Lasbela Canal is vulnerable to floods and requires strengthening at Rs.2.50 M.