

GOVERNMENT OF KHYBER PAKHTUNKHWA



Contingency Plan for Monsoon Season 2017

IRRIGATION DEPARTMENT KHYBER PAKHTUNKHWA

Major Rivers Khyber Pakhtunkhwa



GOVERNMENT OF KHYBER PAKHTUNKHWA
IRRIGATION DEPARTMENT

Khyber Pakhtunkhwa has a total area of 74521 Sq Km. Irrigation Department operates and manages the vast system of River Indus tributaries as well as hill torrents. All the tributaries having extensive catchment areas extended from North and North-West of Pakistan consist of various mountain ranges with heavy rainfall in monsoon every year, cause tremendous flood in its drainage lines (water ways). Irrigation Department owes numerous flood mitigation structures in various rivers/streams and maintains them in functional position.

There is no practice of flood fighting in the rivers of Khyber Pakhtunkhwa except in DIKhan at Indus River from Chashma to Ramak, where 44 Nos flood mitigation structures have been constructed. The flood fighting is carried out during monsoon for the protection of flood infrastructures on River Indus as and when required.

MAJOR RIVERS/NULLAHS IN KHYBER PAKHTUNKHWA

1. Kabul river
 - a) Adezai river.
 - b) Naguman river.
 - c) Shah Alam river.
 - d) Bara river.
 - e) Budni nullah.
2. Swat river.
3. Jindi river.
4. Khiali River
5. Kalpani nullah.
6. Panjkora river.
7. Kunhar river.
8. Siran river.
9. Kohat Toi.
10. Kurram river.
11. Kaitu river.
12. Tochi river.
13. Indus river (right bank)
14. Gomal Zam.
15. Chowdhwan Zam.
16. Sheikh Haider Zam.

TIME LAG OF RIVERS IN KHYBER PAKHTUNKHWA

S.No	Location	Distance in KM	Time Lag Hours
1.	Khawaza Khela to Amandara	65	12 hours
2.	Amandara to Munda	55	9 hours
3.	Munda to Charsadda Road	40	6.5 hours
4.	Charsadda Road to Nowshera	35	6 hours
5.	Warsak to Nowshera	60	10 hours
6	Chashma Barrage to DIKhan	100	15 -17 hours
7	DIKhan to Ramak	60	9 hours
8	Ramak to Taunsa	80	9-11 hours

ROLE OF IRRIGATION DEPARTMENT

- Flow measurement at specific sites on rivers, canals and nullahs.
- Collection of data from various sources and its dissemination to a multitude of agencies enabling them for preparation for combating floods within their domain.*
- Planning, design, construction and maintenance of flood protection works.
- Activation of flood emergency cell(s).

* *H/Q 11-Corps, NDMA, PDMA, Police Department, Civil Secretariat, Relief Commissioner, Director Information Khyber Pakhtunkhwa, District administration, Federal Flood Commission, Cabinet Division Islamabad, IRSA etc.*

Up-gradation of hydrological infrastructure in Khyber Pakhtunkhwa

A project “up-gradation of hydrological system and infrastructure in Khyber Pakhtunkhwa” was approved in Provincial ADP NO. 1546/150428 during 2015-16 for a cost of Rs. 40 (M). The purpose of this project was to up-grade and strengthen the existing hydrological system and infrastructure in order to get accurate dependable gauges and discharge data well in time specially in flood season. This project included installation of 8 Nos rain gauges, 5 Nos Gauge keeper-optical water level, echo depth sounder and laser range finder. The work was put to open tender three times in the print media as well as in electronic media but no body/firm participated. The bidding has been carried out for the 4th time. The rates received are much higher than the approved PC-I rates. Hence PC-I is in process of revision and accordingly bids will be collected from contractors.

CONTINGENCY PLAN 2017

1. Flood Emergency Cell at regional office Peshawar has been established since June 15, 2017, and shall be functional till September 30, 2017. XEN Hydrology is being acting as liaison officer, who collects information from Federal Flood Commission, Irrigation Field Staff, MET Office and transmits the same, twice daily and on hourly basis during emergency to H/Q 11-Corps, Police Department, Civil Secretariat, NDMA, PDMA, Director Information Khyber Pakhtunkhwa, District administration, Federal Flood Commission, Cabinet Division Islamabad and IRSA etc.
2. Flood Emergency Cells have been established in the offices of the Executive Engineers in all the flood prone districts since June 15 till the recession of floods (September 30, 2017). The Executive Engineers concerned are working as focal person(s) for interacting with the respective DCs of the districts and to extend technical assistance as and when required.
3. Emergency gangs have been deployed on barrages and head works for vigilant monitoring and regulation of flood flows by the Executive Engineer concerned.

4. Standard Operation Procedure (SOP) for the Barrages, Head works and other Irrigation installation are reviewed and updated.
5. Field staff have been instructed to carry out regular inspection of Barrages, Head Works, Escape gates and other important regulation structures during flood season.

EMERGENCY MEASURES FOR COMBATING FLOODS IN D.I.KHAN

1. As per practice in vogue, procurement process of contractors for flood fighting in case of emergency on spurs and marginal bund in D.I.Khan have been carried out.
2. The emergency gangs are being engaged by the contractors on all vulnerable locations on the existing flood protection structures.
3. Additional supervisory staff will be deployed on marginal bund at D.I.Khan.
4. The depleted reserve stock on vulnerable spurs has been replenished.
5. The available earth moving machinery of the department will be available whereas contractors will also arrange additional machinery from open market during emergency.
6. Executive Engineer concerned has also submitted contingency plan to the Deputy Commissioner D.I.Khan for setting-up vigilance committees.
7. Close liaison management kept amongst the field staff and all concerned agencies inclusive of Army authority to remain abreast with the changing situation along all spurs and other flood mitigation structures during forthcoming flood season are made.

8. The Flood Advisory Committee has been reactivated so that their availability is ensured as and when required. The composition of the committee is as under:

- | | |
|---|-----------|
| i. Chief Engineer (South) | Chairman |
| ii. Chief Engineer (North) | Member |
| iii. D.G Small Dams | Member |
| iv. D.G FDRD/P.D Remodelling of Warsak Canal Peshawar. | Member |
| v. Engr. Kamal Jehangir Khan (CE Rtd) Irrigation Deptt: | Member |
| vi. Eng. Riaz Ahmed Khan (CE Rtd) Irrigation Deptt: | Member |
| vii. Rep of 174 Engr. Battalion Army D.I.Khan | Member |
| viii. Tech: Rep of Commissioner D.I.Khan | Member |
| ix. S.E. Irrigation DIKhan | Secretary |

9. The concerned Executive Engineer is following Emergency Procurement Procedure under KAPPRA Rules 2014 during flood emergency season.

#	Description	Number	Length (Km)
1	Spurs (Earthen) along Indus river in D.I.Khan (U/S bridge 32 Nos, D/S bridge 12 Nos)	44	62.7
2	Marginal Bunds along Indus river in D.I.Khan	1	12
	i. Chashma to Village Khanpur	1	6
	ii. Khanpur to Thathal village	1	8
	iii. From Spur No 31 to 34	1	3
	D I Khan Guide bund	1	3
		Total	29

NOTE: TWENTY ONE SPURS IN D.I.KHAN HAVE GONE SILENT/ABANDONED DUE TO CONSTRUCTION OF CHASHMA BARRAGE. NOW 23 NUMBERS OF SPURS ARE FUNCTIONAL.

DETAIL OF FLOOD FIGHTING MACHINERY AVAILABLE WITH IRRIGATION DEPARTMENT
KHYBER PAKHTUNKHWA

#	NAME OF MACHINERY	Nos
1	Dump Trucks	03
2	F/E Loader Large size	04
3	F/E Loader Small Size	02
4	Dozer	05
5	Excavator	03
6	Light duty Trailer	02
7	Heavy duty Trailer	01
8	Loader cum Backhoe	05
9	Flood light Units	01
Total		26

Note:- All the flood fighting machinery are in working condition except Loader cum Backhoe which needs minor repair.

Allocation for repair/maintenance of flood protection structure during in the year 2016-17.

During Monsoon 2016 due to low/medium floods in rivers its tributaries of the Province, no major damages were reported from field formation. However, an amount of Rs.138.426(M) was allocated for routine repair/annual maintenance of flood protection works during 2016-17. The same were executed before 30th June 2017.

Detail of allocation for repair/maintenance of Flood Protection Structures during the year 2016-17

South Wing

North Wing

S.No.	Division	Amount (Rs in M)	S.No.	Division	Amount (Rs in M)
1	Peshawar Canal Division	18.00	1	Mardn Irr: Division	9.29
2	Warsak Canal Division	5.00	2	Malakand Irr: Division	18.00
3	Charsadda Irr: Division	10.00	3	Swabi Irr: Division NO.I	5.50
4	Bannu Canal Division	3.00	4	Swabi Irr: Division NO.2	10.596
5	Marwat Canal Division	2.00	5	Hazara Irr: Division	7.60
6	Kohat Irr: Divisoin	5.00	6.	Swat Irr: Division	7.14
7	Gomal Zam Divison DIKhan	10.00	7	Chitral Irr: Division	7.00
8	Flood Division DIKhan	15.00	8	Dir Irr: Division	5.30
	(A) Total Rs:-	68.00 (M)		(B) Total Rs.:-	70.426 (M)
Grand Total Rs. A+B:- 138.426 (M)					

FLOOD PROTECTION SCHEMES AS REPORTED
DURING MEETING HELD ON 28-03-2017

Total No of schemes = 101

Total No. of completed= 44

FLOOD PROTECTION SCHEMES AS PROPOSED
FOR TH YEAR 2017-18

Total No of schemes = 05

<u>Detail of Ongoing Flood Mitigation Works under Annual Development during 2015-16 in Khyber Pakhtunkhwa.</u>				
S:No	ADP No	Name of Scheme	E/Cost/ Completion Cost (Rs. M)	Financial Progress
1	1353	Extension and Improvement of Spur No.18 on right bank of Indus River District DIKhan	208.392	31%
2	1355/ 1326	Impt:/extension of guide bund for protection of area between guide bund and upto spur No.1 of Dera Darya Khan bridge.	647.400	-
3	1356	Provision of flood embankment along Paharpur Disty RD 00-56000 in reaches and restoration of damages canal presim of grisal and Mala minor Distt: DIKhan	20.00	Completed
4	1357 /1343	Survey from Chashma Barage to Rammak for ascertainingthe new course of river after unprecedented floods of 2010 for new hydraulic model study, District DIKhan	5.00	Completed
5	1361	Construction of Retaining Wall at Tawdha Nullah and Qaiser Norar Tochi River, District Bannu (Completed)	50.00	Completed
6	1366	Revamping of Budni Nullah in District Peshawar	625.00	-
7	1372 /1349	Restoration of damaged super passage, causeway & construction of escape at RD 37000 Hazar Khwani Branc, District Peshawar	75.00	36%
8	1373 /1350	Flood Management of Shah Alam and Naguman Rivers District Peshawar	300.00	Completed
9	1375	Flood Protection Wall in Sufaid Sang Area U/C Kafoor Dheri, Peshawar	29.770	Completed
10	1376	Flood Management of Khiali River District Charsadda (Completed)	493.262	Completed
11	1379 /1364	Revamping of Jindi River District Charsadda	667.629	Completed

12	1382	Construction of Flood protection structures in Suria Khail and Walai Khwars District Nowshera and Akram Abad Naguman River. (Completed)	39.83	Completed
13	1384/ 1371	Revamping and providing Flood Protection works in hill torrents in Nowshera District	450.000	86%
14	1387 /1373	Construction of Flood Embankment on Right Side of Kabul River (Reach No.1) District Nowshera	914.900	82%
15	1388 /1374	Construction of Flood Embankment on Right Side of Kabul River (Reach No.2) District Nowshera	929.180	80%
16	1389 /1375	Construction of Flood Embankment on Right Side of Kabul River (Reach No.3) District Nowshera	1600.00	43%
17	1390 /1376	Construction of Flood Embankment from Kheskhi to Nowshera Kalan on Left Side of Kabul River, District Nowshera	1400.00	Completed
18	1391	Restoration of different Khwars in Nowshera Cantonment, District Nowshera	254.370	Completed
19	1394	Constn: of flood protection works R/S Indus River near Rana Dheri Distt; Swabi.	15.00	Completed
20	1396 /1389	Constn: of flood protection structure and rehabilitation of drainage along Badri Nullah Parthogay drainage system River Indus and other small tributaries in Distt; Swabi.	150.00	59%
21	1397 /1390	Rehabilitation/Impt: of drainage system and Constn: of Flood protection works along Badri Nullah, Naranji Nullah, Shagai Nullah, Bazagi drainage system with their tributaries in Distt; Swabi.	150.00	62%
22	1402	Constn: of flood protection works and restoration of damaged wear in Gadder Nullah at village Hamza Khan Distt: Mardan.	30.00	Completed

23	1409	Impt:/Constn: of Irr: facilities and flood protection works in Distt; Malakand.	100.00	75%
24	1413/1418	Impt:/Dev: of Irr: facilities and construction of Causeway and FPW in Distt: Swat.	985.300	Completed
25	1414/1419	Channelization /Railing of Marghozar, Jambil and Mingora Khwar Distt: Swat	199.710	Completed
26	1415 /1434	Dev: of Irr: infrastructure and Const: of flood protection works in Adenzai of Distt: Dir lower.	56.690	41%
27	1425	Constn: of flood structure on Bagan Khatta for protection of officer colony A/Abad.	18.500	Completed
28	1426	Constn: of flood mitigation structure along Pakistan Ordnance factory (POF) boundary wall Daur River, Distt: A.Abad	38.00	Completed
29	1435 /1459	Constn: of flood mitigation structures in Khyber Pakhtunkhwa	629.600	65%
30	1438 /1462	Reh: of drainage system in Districts Swabi and Mardan	134.00	45%
31	1445 /1469	Constn: of flood protection structure to minimize flood devastation in Khyber Pakhtunkhwa .	750.00	98%
32	1451 /1474	Revamping of drainage systems in Khyber Pakhtunkhwa	300.00	97%
33	1455 /1478	Construction of Flood Protection Embankment on Adezai River Districts Charsadda and Peshawar	748.120	Completed
34	1456	Flood management of Panjkora River and its tributaries in Distt: Dir lower and Dir Upper	499.390	88%
35	1457 /1480	Restn: of damaged civil channels in Khyber Pakhtunkhwa	455.294	98%
36	1458	Impt:/Constn: of Irr: facilities and flood protection works in Distt: A.Abad, Haripur and Mansehra.	220.400	Completed
37	1459	Impt:/Constn: of Irr: channels and flood protection works in Distt: Batagram and Tor Ghar.	60.00	Completed
38	1461/1327	Development & Rehabilitation of Irrigation infrastructure, Flood Protection Works including Rod Kohi System in Kulachi area District D.I Khan	100.00	97%
39	1463 /1329	Construction of Flood Protection Bund at Required places in u/c Lunda Sharif, District D.I Khan	60.00	87%
40	1464 /1330	Construction / Extension of Panyala Protection Bund along-with Bridge and Conversion of Existing Tube-Wells on Solar System District D.I Khan	150.00	Completed

41	1465/ 1336	Construction and Improvement of Flood Protection Bund / Canal Patrol Road and Irrigation Channels in District Bannu.	80.00	Completed
42	1467 /1338	Construction of Flood Protection Works and Improvement of Civil Channels in Takhti Nasrati Warana, Latamber and Chokara Areas, District Karak	70.00	88%
43	1468 /1339	Construction of Flood Protection Works and Improvement of Civil Channels in Sabir Abad, Banda Dawood Shah and Karak City Areas District Karak	70.00	88%
44	1470/ 1342	Construction and Improvement of Flood Protection Works and Irrigation Channels in District Hangu.	50.00	96%
45	1474 /1354	Improvement of Northern Eastern Drains / Khawars including Construction of Flood Protection Works in Peshawar Valley.	100.00	Completed
46	1476 /1356	Construction of Flood Protection Works in UC Kafoor Dheri, Dag, Raggi, Shahi Bala and Mathra Area District Peshawar	100.00	Completed
47	1477 /1357	Construction of Flood Protection Wall on Bara River starting from Ring Road till Chamkani Bridge at Required places, District Peshawar	50.00	85%
48	1481 /1361	Construction of Flood Protection Works in Urmar and adjoining area in District Peshawar	80.00	Completed
49	1483 /1367	Construction of Flood Protection Works in Umerzai and Hisara Yaseem Zai Areas District Charsadda	50.00	Completed

50	1485/ 1369	Construction / Restoration of Flood Protection Works and Civil Channels in Shabqadar Area District Charsadda	80.00	Completed
51	1487/ 1379	Construction of Protection Structures on R/S of Kabul River U/s and D/s Nowshera Mardan Brdige, District Nowshera	1300.00	73%
52	1488 /138	Construction of Flood Protection Works and Bridges on Nullahas and Khawars District Nowshera	300.00	67%
53	1490 /1382	Construction of Protection Structures on L/S of Kabul River U/S and D/S Nowshera Mardan Road Bridge, District Nowshera.	1050.00	Completed
54	1492 /1383	Construction of Flood Protection Works in Tehsil Pabbi, District Nowshera	80.00	88%
55	1494 /1385	Construction of Flood protection Wall in Bara River near Village Kandar, Akbarpura Dsitric Nowshera	100.00	Completed
56	1495 /1386	Construction of Flood Protection work and Roads along Khawars / Drains at Amangarh, Kheshki Bala and Payan, District Nowshera	100.00	90%
57	1499	Constn: of FPW village Shermanay near rest area Motor way Distt: Swabi.	10.00	Completed
58	1501/ 1394	Constn of canal patrol roads and flood protection works in Tarakai, Dubyan and adjoining areas including Tor Dher Minor Haleem Ghari Bada Baba in Dist: Swabi.	400.00	90%

59	1502/ 1395	Constn: of FPW at Badri Nullah, Zandai Nullah and Totalay Kanda at US Saleem Khan, US Maneri Bala and US Panj Pir Distt: Swabi.	50.00	85%
60	1504 /1397	Cosnt: FPW and revamping/clearances of drainage system in Panjpand Topi Maini, Pabbeni khawars, Badri Nullah, River Indus and other small tributaires to protect village abadies and agriculture lands from flood devastation in Swabi.	100.00	98%
61	1513/ 1411	Consnt: and Impt: of Canal Patrol Road and Flood protection works in Dargai, Sakhakot and adjoining areas in Distt: Malakand.	100.0	75%
62	1514/ 1412	Cosnt:/Impt: of FPW and Irr: Channel in Distt: Malakand	100.00	75%
63	1516/ 1415	Cosnt: of FPW/retaining walls at Koz Kar and Manz Kar and Alpuri and Jarando Bela Distt: Shangla.	50.00	86%
64	1517/ 1416	Cosnt:/Impt: of FPW and Irr: Channel in Distt: Shangla.	150.00	Completed
65	1518/ 1420	Constn: of flood protection structures , bridges and Impt:/Restn: of existing structures on Swat river and its tributaries in Tehsil Matta Distt: Swat.	750.00	Completed
66	1522/ 1424	F.S of flood embankment and road from Landaki to Bagh Dheri on left side of Swat River Distt: Swat.	50.00	0%
67	1524 /1426	Impt: and developmental facilities , Constn: of FPW and revamping of drains and Khwars in Odigram, Ghalaygai, Gobdhara and adjoining area Distt; Swat.	200.00	Completed

68	1525/ 1427	Constn:/Impt FPW, Road and water channels in Kabul, Ningolai, Kanju Sherplam and adjoining areas distt: swat.	250.00	Completed
69	1526 /1428	Constn:/Impt FPW, and water channels in Fateh pur, Khwaza khela , Charbagh and adjoining area Distt: Swat.	200.00	Completed
70	1528 /1431	Constn:/Restn: of flood protection bund , Irr: Channels on Pajkora River and its tributaries from Rabat to Shagoo Kas Distt: Dir Lower.	100.00	Completed
71	1529 /1432	Constn:/Restn: of flood protection bund and Irr: Channels in Samar Bagh and adjoining areas in Distt Dir lower.	100.00	Completed
72	1530 /1433	Constn: of flood protection works and Irr: Channels in Maidan and adjoining areas in Distt Dir lower.	100.00	Completed
73	1531 /1434	Constn: of flood protection works and Irr: Channels in Adenzai area in Distt: Dir lower.	50.00	41%
74	1532 /1437	Providing and Improving Irr: infrasturcture flood works, water channels through gravity and storage in Barwal area , Disstt: Dir Upper.	250.00	Completed
75	1534 /1438	Constn/Restn: of Flood protection bund and Irr: channels on Panjkora river and its tibutaries in Nihagdara , Karoodarra , Chapar darra , Sultan Khel Dara and adjoingi areas Distt : Dir Upper.	150.00	Completed
76	1537 /1444	Cosnt: of FPW and Irr: channels in Tehsil Batagram Distt: Batagram	50.00	Completed

77	1538/ 1445	Cosnt: of FPW and Irr: channels in Ogai Tehsil Distt: Mansehra.	100.00	67%
78	1539 /1448	Cosnt: of FPW and Irr: channels and bridges on water channel and drainage system in Tehsil Havalian Distt:A.Abad.	100.00	Completed
79	1540 /1449	Cosnt: of FPW/Water channels in lower Galyar areas Distt: A.Abad.	90.00	50%
80	1541 /1451	Cosnt: of FPW/Water channels on Daur River and its tributaries in Distt: Haripur.	80.00	39%
81	1542 /1452	Cosnt: of FPW and Irr: channels in Kalabat and adjoining area Distt: Haripur.	50.00	Completed
82	1546/ 1485	Upgradation of hydrological system and infrastructure in Khyber Pakhtunkhwa.	40.00	0%
83	1547 /1486	Cosnt: of FPW structures at vulnerable locations on river, nullahs and khwars in Khyber Pakhtunkhwa	900.00	Completed
84	1551 /1489	Impt and Rehb: of drains including out wall structure in Peshawar/Nowshera villay.	160.00	Completed
85	1553 /1491	Cosnt: of FPW and Irr: channels in Distt: Tor Ghar.	50.00	25%

Detail of Ongoing Flood Mitigation Works under Annual Development during 2016-17 in Khyber Pakhtunkhwa.

S:No	ADP No	Name of Scheme	E/Cost/ Completion Cost (Rs. M)	Financial Progress
87	1499	160285 - Improvement / Construction of Canals,Channels, Drainage system and Flood Protection Structures in District Charsadda	950.00	87%
88	1503	160297 - Construction of Flood Structures on left bank of Kabul River near Pir Sabaq village, District Nowshera.	80.00	0%
89	1520	160274 - Feasibility study / Preparation of comprehensive Flood Management plan for Khyber Pakhtunkhwa	120.00	0%
90	1521	160275 - Providing Flood Protection structures in Rivers, Nullah & hill torrents in Khyber Pakhtunkhwa PDWP 03.11.2016 AA 18.11.2016	1250.00	0%
91	1527	160459 - Construction of Flood Structures along Jabba Daudzai and Zangal Koroona areas along Kabul and Shah Alam Rivers District Nowshera & Peshawar PDWP 03.11.2016 AA 18.11.2016	1300.00	0%
92	1529	160550 - Construction and improvement of Flood Protection Works, improvement of channels and rehabilitation of canal roads Southern districts	300.00	0%
93	1531	160592 - Flood Control Mechanism.	35.00	0%
94	1508	160597-Improvement and Construction of Irrigation facilities i/c FPWs, tubewells and roads on canals and drains in Ucs Dagi, Tarakai, Torlandi, Asota, Shekh Jana, Kamal Sher Kalay, Shewa, Parmuli, Naranji, uyar Hussain, Kalu Khan Adina and Other adjoining areras District Swabi.	200.00	25%
95	1509	160642- Improvement / Rehabilitation of drainage system and construction of flood protection works in Village Tor Dher, District Swabi.	50.00	0%

96	1512	160596-Improvement and construction of Irrigation facilities including FPW, tube wells and roads on canals and drains in Bala Ghari, Babini, Rashaka Hujra, Dubai Adda, Qazi Abad, Gadhar, Baba Kalay, Fatima Nehar and Other adjoining areas in District Mardan.	150.00	Completed
97	1513	160287-Construction and improvement of Irrigation infrastructure including FPW , channels roads and tube wells in Adenzai and adjoining areas of District Dir Lower.	200.00	Completed
98	1517	160306-Construction / Restoration of Flood Protection Structure and Irrigation channels in District Kohistan.	60.00	0%
99	1521	160275-Providing Flood Protection structures in Rivers, Nullah & hill torrents in Khyber Pakhtunkhwa.	1250.00	0%
100	1525	160304-Restoration/Re-construction of damaged flood structures / channels in District Swat, Shangla and Bunir (B) PDWP / /	200.00	Completed
101	1530	160551-Construction of channel, ponds, flood protection works and installation of Solar Irrigation Tube wells In Hazara Division	300.00	Completed
		Total Rs:-	29601.65	

<u>Detail of New Flood Mitigation Works under Annual Development during 2017-18 in Khyber Pakhtunkhwa.</u>				
S:No	ADP No	Name of Scheme	E/Cost/ Completion Cost (Rs. M)	Financial Progress
1	1653	Construction of flood protection wall along Dalas drain Distt: Peshawar.	60.00	-
2	1663	Construction of flood embankment on Kabul River Upper Side of Motor way interchange Distt: Nowshera.	15.00	
3	1666	Construction of flood protection woks in U/C Banda Pir Khan Baldheri, Jhangi, Salhad Pawa, Chamhad, Kuthiala, Pind, Kagroo Khan, Jarral, Sherwan and Havelian Urban.	100.00	
4	1669	Construction and Improvement of flood protection works. Improvement of channels and rehabilitation of Canal roads Southern Districts.	450.00	
5	1674	Construction of flood embankment from Kheshki village to Motorway bridge L/S Kabrul River District Nowshera/Charsadda (reach-1).	1500.00	
		Total	2125.00	

**FLOOD PROTECTION SCHEME UNDER NORMAL EMERGENT FLOOD
PROGRAMME**

Financial Year 2015-16

- | | | |
|----------------------------------|------|----------------------|
| 1) Total No. of Schemes | = 17 | E/Cost = 264.314 (M) |
| 2) Total No of completed schemes | = 17 | |

Financial Year 2016-17

- | | | |
|----------------------------------|-------|--------------------|
| 1) Total No. of Schemes | = 05 | E/Cost = 54.94 (M) |
| 2) Total No of completed schemes | = 03 | |
| 3) Total No of ongoing schemes | = 70% | physical progress |

LIST OF FLOOD PROTECTION SCHEME UNDER NORMAL EMERGENT FLOOD PROGRAMME

1) FINANCIAL YEAR 2015-16

S.No.	Name of the project (Status with form and date of last approval)	Approved Cost (Rs in Million)	Remarks
1	Construction of flood protection structures at critical locations in different nullahs in District Peshawar and Nowshera.	30.00	Works completed
2	Construction of flood protection structures at critical locations in District Charsadda.	7.00	
3	Construction of flood protection structures at critical locations in different nullahs in District Kohat and Karak.	10.00	
4	Construction of flood protection structures at critical locations in different nullahs in District Bannu and Lakki Marwat.	12.50	
5	Construction of Flood protection structures upstream & downstream of Fiza Ghat Park in District Swat. Approved by DDWP.	19.868	100% completed
6	Construction of Flood protection structures at village Kala on Badri Nullah Distt: Swabi. Approved by DDWP. Swabi-II	6.106	100% Completed
7	Construction of Flood protection structures at critical locations in different Nullah District Abbottabad & Mansehra. Approved by DDWP.	10.000	Completed
8	Construction of flood protection structures on Dheri village Julagram Nullah for protection of Dheri Village District Malakand.Approved by DDWP.	10.84	70% completed
9	Construction of Flood Protection works over Siran River & local nullahs in District Mansehra.	60.00	Work in progress 90% completed.
10	Providing Flood Protection works in Kurram River in District Bannu.	10.00	Completed
11	F.P.W for protection of village Abadies and Agricultural Lands from flood flow in river / local nullahs in District Lakki Marwat.	16.00	Work in progress (80% completed)

12	Construction of Flood Protection Bund for protection of Village Yarik in Takwara Nullah District D.I Khan.	25.00	Work in progress (15% completed)
13	Construction of flood Protection work at Jaghur Kuru and Shoghore Dist: Chitral	9.95	Work order issued and work started at site.
14	Construction of flood Protection work at Sawal Dher Bakri Khpa Distt: Mardan	7.00	Tender process completed and acceptance issued.
15	Construction of flood Protection wall along Panj Pir Madarassa and village on left bank of Badri Nullah Distt: Swabi	7.00	The scheme is almost completed.(95%)
16	i) Construction of flood Protection work in Siran River near Malik Pur village Distt: Mansehra ii) Construction of flood Protection work in Haro River Check Kamal Pur U/C Hattar Distt: Haripur. iii) Construction of flood Protection work along Indus River left side village Jammu Ghazi area Dist: Haripur.	2.00 2.00 3.00	Work in progress (80% completed)
17	Construction of flood Protection work for protection of village abadies and agriculture land on Pir Khel tota Kan Khawar Distt: Malakand.	6.00	Work in progress 100% completed
	Total Rs:-	264.314 (M)	

2) SCHEMES 2016-17

1	Construction of flood protection work for protection of agricultural lands and abadies of Qasim Khan Takhti Khel Flood flows in Kaisor and other area in Distt: Bannu.	15.00	Work in progress (13% completed)
2	Constn: of flood embankment protection work for the protection of agricultural land and abadies near Paharpur Disty DIKhan.	5.50	Not cleared by scrutinizing committee.
3	Construction of Nazi spur on R/Side of Kurram River.	7.14	PC-I approved by DDWP on 03-01-2017 Ministry of Water and Power Islamabad and tender has been floated.

4	Construction of flood protection works at critical location along Bamburait Gole Distt: Chitral.	17.300	Tender approved.
5	Construction of flood protection works AT Bullar Nullah for the protection of Daulat Minor, Mardan Dobian Rod and village Kandar Village Distt: Mardan.	10.00	Tender in process.
	Total Rs:-	54.94 (M)	

IRRIGATION DEPARTMENT KHYBER PAKHTUNKHWA
(SOUTH WING)
CRITICAL LOCATIONS OF NULLAHS/RIVERS

S.No.	Description	Location
(A)	DIKhan Irrigation Circle DIKhan.	
1	Spur No. 18	On right side bank of River Indus Dera Ismail Khan.
2	Spur No. 18-A	-do-
3	Spur No. 18-B	-do-
4	Spur No. 18-C	-do-
6	Spur No. 19	-do-
6	Spur No. 20	-do-
7	Spur No. 21-A	-do-
8	Spur No. 21-B	-do-
9	Spur No. 22	-do-
10	Guide Bund	-do-
11	Spur No. 83	-do-
12	Spur No. 24	-do-
13	Spur No. 29	-do-
14	Spur No. 30	-do-
15	Spur No. 31	-do-
16	Spur No. 32	-do-
17	Spur No. 33	-do-
18	Spur No. 34	-do-

(B)	Bannu Irrigation Circle Bannu	
1	Kotka Sher Wali Baka Khel	Tochi River L/Side
2	Kotak Farid ullah	-do-
3	Kotak Arif Ullah	-do-
4	Kotak Shera Khan	R/Sid Khaisor Branch
5	Kotak Khair Muhammad	-do-
6	Kotka Bozi Khan	R/Side Mian Khaisor
7	Kotka Noor Zali	-do-
8	Kotka Naqib Daraz	-do-
9	Kotka Bad Shahi Khan	-do-
10	Noor Mosa Khel	Shak Toi Nullah Narmi Khel
11	Kotak Awal Sub Khan	-do-
12	Kotka Hussain Ahmed	-do-
13	Adami Sultan Ali	L/S Kurram River D/S Shamshi Khel Jando Khel bridge
14	Kotch Kot Asad Khan	Kurram River New bridge
15	Spur No.5	L/S of Kurram River
16	Vial Shamshi Khel	R/S Kurram River
17	Janhangir Lalozaï	L/S Kurram River
18	Garera Shah Jehan	L/S Lora Nullah
19	Amandi	R/S Kurram River
20	Adami Tatar Khel Akhun Zada	L/S Kurram River
21	Lakki City	R/S Gambila River

22	Mela Shahab Khel	Grabam Nullah
23	Village Kaisay Kamar	Sheet Flow of Samandi hills
24	Bahram Khel	Kharoba Nullah R/Bank
25	Kutti Khel	Sheet flow from Koh Sheikh Badeen Range.
(C)	Peshawar Irrigation Circle Peshawar	
1	Pyari Payan	Naguman River
2	Dheri Kalay	Shah Alam River
3	Wazir Kalay	-do-
4	Takht Abad	-do-
5	Tari Qillah	Adezai River
6	Gari Balooch village	-do-
7	Khwaja Twon	-do-
8	Terai Payan	-do-
9	Shagai Handkyan	-do-
10	Charsadda Road	-do-
11	Zangal Koroona	-do-
12	Jabba Daudzai	-do-
13	Landi Daudzai	-do-

THANK YOU