

IRRIGATION

Irrigation sector under province's medium term development framework (MTDF) and annual development plans covers the programs and projects relating to irrigation, drainage, groundwater, flood protection / management and small dams sub-sectors.

SECTOR OVERVIEW

Irrigated agriculture is the major determinant of economic growth potential of the province, as it accounts for 26 % of the GDP and caters for over 40 % of the province's work force. Over 90 % of agricultural output in Punjab comes from farmlands irrigated by one of the largest contiguous irrigation systems in the world. The colossal irrigation conveyance network in Punjab is serving 21 million acres (8.4 million hectare) cultivable command area with cropping intensities generally exceeding 120%. The vast irrigation system in the province, however, faces major irrigation and drainage challenges with serious economic, environmental and social implications. Hydraulic infrastructure has deteriorated and large deficits in operation & maintenance (O&M) have led to sub-optimal service delivery levels, characterized by low water conveyance efficiencies and inequitable water deliveries. Replacement cost for Punjab Irrigation infrastructure including barrages and conveyance network is estimated as Rs. 1600 billion whereas estimated cost for rehabilitation and deferred maintenance needs around Rs. 200 billion. Consequently, development goals for the sector encompass rehabilitation, improvement and modernization of irrigation network and allied infrastructure along with system-wide institutional reforms aiming to enhance reliability, adequacy and timeliness of irrigation supplies ensuring system's integrity and sustainability through improved management and service delivery levels.

ISSUES

Key issues of Punjab's Irrigation Sector are:-

- (i) Mounting water shortages, which have further accentuated in wake of increasing effects of climate change and recurring floods and drought events.
- (ii) Irrigation and drainage infrastructure has deteriorated overtime due to a combination of age, chronic under-funding of maintenance and repair (M&R), and lack of appropriate asset management planning.
- (iii) Gaps in meeting financial sustainability of the system owing to low recovery of *abiana*, inefficient operational regimes and low M&R funding.
- (iv) Non-transparent water entitlements and distribution.
- (v) Lack of participatory approach in operations, maintenance and management of irrigation services leading to inefficiencies, inequities and lack of ownership by users.
- (vi) Imprudent and inefficient utilization and management of groundwater.

VISION

Long term vision for Punjab's Irrigation Sector is to provide adequate, equitable and reliable irrigation supplies to the cultivable lands of Punjab aiming at enhanced agricultural productivity with focus on broad based institutional reforms.

POLICY

- a) Irrigation Department has recently prepared draft "Punjab Water Policy (2017)" which is under process for approval by Government. Overall objective of the Punjab's Water Policy is to:

"Provide for sustainable management and development of the available water resources (surface, groundwater, and wastewater) taking stock of all uses of water i.e. irrigated agriculture, domestic, civic, industrial and environment over entire geographic regions i.e. canal commands in Indus basin, rain-fed areas and crop zones outside Indus basin through equitable water allocations and efficient management and development."

Specific pillars supporting Provincial Water Policy are to:-

- Increase water availability
 - Manage groundwater abstraction
 - Improve water quality
 - Enforce drinking water and sanitation standards
 - Adapt to climate change, floods and droughts
 - Maintain environmental safety of the land resource
 - Rigorously pursue demand management
 - Improve water governance
 - Ensure financial sustainability
 - Adroitly address trans-boundary issues
 - Develop knowledge database and water informatics
- b) Further, Irrigation Department has promulgated an Act 'The Punjab Flood Plain Regulation Act 2016' to regulate construction works in flood plains through a notification in the Punjab Gazette (April 2016) with following covenants:
- Each flood protection work to be classified in terms of likely hazard potential level.
 - All new flood protection works to be undertaken after detailed appraisal and evaluation of flood protective works e.g., layout, design, cost-benefit analysis and impacts on existing flood protection works.

- Hydraulic modelling studies determining silting along with configuration and layouts of flood protection works shall precede works to optimise efficacy and sustainability of works.
 - Protective works for flood affected villages, crops and orchards and protection of agricultural lands against erosive actions shall be undertaken by the local governments in the light of findings of the post-2010 Judicial Flood Commission, appointed erstwhile by Lahore High Court.
 - Existing privately owned flood protection works causing serious obstruction in the flood plain shall be removed immediately.
 - Execution of flood protection works by other agencies / individuals shall be subject to permission of Irrigation Department.
- c) Irrigation Department has also prepared a draft 'Punjab Ground Water Protection, Regulation and Development Act (2017)' and is in the process of approval by the Government.

SECTORAL STRATEGIES UNDER MTFD (2018-20)

Key strategies underpinning the sector's development outlay under Province's MTFD (2018-19 to 2020-21) are to:-

- Implement structural measures for optimal utilization of surface water resources.
- Plan effective utilization of public investments for Modernization of Irrigation Infrastructure
- Develop and practice holistic approaches to optimize surface and groundwater use efficiencies with the aim to maximize agricultural productivity of irrigated lands.
- Mitigate environmental degradation and groundwater mining.
- Extend broad-based institutional reforms already initiated in the province to achieve improved service delivery targets.
- Extend and improve drainage, flood protection, hill torrent management and command area development interventions in riverine and rain-fed (barani) areas.

STRATEGIC INTERVENTIONS

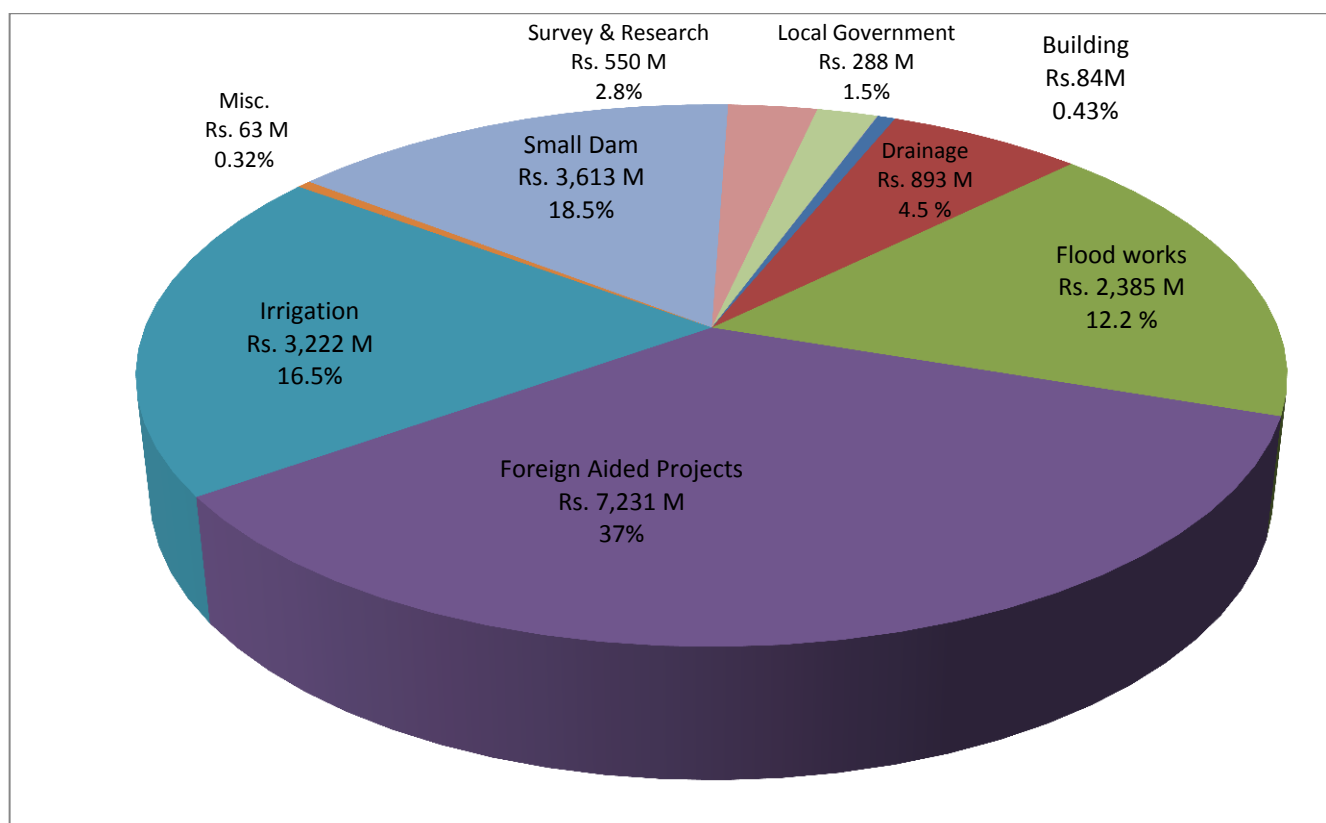
- Construction of Jalalpur Irrigation Canal and its System, Costing Rs.22.498 Billion through credit assistance by Asian Development Bank (ADB).

- National Flood Protection Program-IV (NFPP-IV), costing Rs.101.09 Billion.
- Disaster Risk Management works under NDRMF, costing Rs.24.56 Billion.
- Management of Flood Protection of Deg Nullah (Channelization and enhancing capacity of Basantar Nullah) costing Rs.9.23 Billion.
- Construction of Dadoacha Dam costing Rs.6.027Billion.
- Remodelling of SMB Link Canal and Enhancing Capacity of Mailsi Syphon costing Rs.4.8 Billion.
- Greater Thal Canal Project Phase-II (Chobara Branch) costing Rs.6.261Billion.
- PC-1 for Land Acquisition of GTC Project, costing Rs.7.2 Billion.
- Improvement of drainage network in selected areas of Punjab, Costing Rs.1.9 Billion
- Construction of Papin Dam (Land Acquisition & Command Area Development) Costing Rs.1.23 Billion.

SALIENT FEATURES OF SECTOR'S MTFD (2018-21)

Irrigation Sector's total outlay for the year 2018-19 is planned as Rs.19.5 Billion. Irrigation sector's allocation constitutes 8.12 % of the core ADP (2018-19). Planned outlays for development in the sector in years 2018-19, 2019-20 and 2020-21 are Rs.19.5 Billion, Rs.54.990 Billion and Rs.35.903 Billion respectively. In overall, the 143 Nos. schemes included in MTFD 2018-19 (comprising 123 on-going and 20 new schemes) have been targeted to be executed during 2018-19 with an allocation of Rs. 18.826 Billion (96.5%) for on-going and Rs.0.674 Billion (3.5 %) to new schemes. Total 37 schemes (33 on-going and 4 new) have been proposed to complete during 2018-19. Out of the total Rs.19.5 Billion budget for Irrigation sector, Rs.7.232 Billion is foreign funding component that has been allocated for 11 No. of on-going schemes.

SUB-SECTOR WISE DISTRIBUTION OF ALLOCATION IN IRRIGATION SECTOR



MILESTONES ACHIEVED DURING FY 2017-18

Sr No.	Sub sector	Achievements/ Completed/Cost
1	Rehabilitation and up gradation of Trimmu Barrage, Punjnad Head Works Sulemanki	33 % works Completed
2	New Khanki Barrage Construction Project	98 %Completion of Civil work
3	Punjab Barrages Improvement Phase-II Project (PBIP-II) - Jinnah Barrage	98 % works Completed
4	Lower Bari Doab Canal Improvement Project	90 % works Completed
5	Pakpatan Canal and Sulemanki Barrage Improvement Project (PCSBIP)	68 % works Completed
6	Disaster & Climate Resilience Improvement Project (DCRIP)	15 % works Completed
7	Rehabilitation of Khadir Feeder, KhadirDisty and Chenab escape	50 % works Completed
8	Flood Emergency Reconstruction and Resilience Project (FERRP) (Irrigation Components)	66 % works Completed
9	Engineering Design of Jalal Pur Irrigation Project	53 % works Completed
10	Greater Thal Canal Project Phase-II (Chobara with System)	1 % works Completed
11	Remodelling of SMB Link Canal and Enhancing Capacity of Mailsi Syphon	30% works Completed
12	Selective Lining of Irrigation Channels in Punjab	66 % works Completed

	Phase-III	
13	Rehabilitation of TrimmuSidhnai Link Canal	47 % works Completed
14	Construction of MohraShera Dam in District Rawalpindi (Land Acquisition and balance works)	80% works Completed
15	Construction of Mujahid Dam DistrictRawalpindi (Land Acquisition andbalance works)	69%works Completed
16	Construction of Chahan Dam Project	8%works Completed
17	Construction of Mohata Dam	48%works Completed
18	Raising of Shahpur Dam	53%works Completed
19	Construction of Sowrra Dam Project in District Attock	90%works Completed
20	Construction of ArrarMughlan Dam in District Chakwal	100%works Completed
21	Construction of Tamman Dam	68%works Completed
22	Construction of Pindori Dam	90%works Completed
23	Flood Protection of Sialkot against Aik and PhalkuNullah	72%works Completed
24	Flood Protection of Kamoki and adjoining Areas	84%works Completed
25	Management of Hill Torrents in DG Khan Irrigation Zone Sori Lund, Vidore, Mithawan, Kaha and Chachar (Sori Lund Hill Torrents)	75%works Completed
26	Rehabilitation of Ahmadpur Branch System	47%works Completed
27	Channelization of Deg Diversion Channel	5 % works Completed
28	Land Acquizition of Jalalpur Project	83%works Completed

NEW INITIATIVES IN ADP 2018-19

Sr. No.	Project Name	Total Project Cost Rs. in Million
1	PC-1 for Remaining Land Acquisition of GTC Project	7,200
2	Selective Lining of Irrigation Channels in Punjab Phase-IV	4,000
3	Project Readiness Financing facility for Punjab Water Resources Management	1,250
4	National Flood Protection Program-IV (NFPP-IV)	101,093
5	Disaster Risk Management works under NDRMF GOP share 30%= Rs. 7370 NDRMF Share 70% = Rs. 17197	24,567

TARGETS FOR FY 2018-19

Sr. No.	Sectoral Initiatives	Targets (FY 2018-19)
1	Lower Bari Doab Canal Improvement Project	100 %Completion of Civil work
2	Project Preparation of Punjab Irrigated Agriculture Improvement Programme	100 %Completion of Civil work
3	Rehabilitation and up gradation of Trimmu Barrage, Punjnad Head Works Sulemanki	45 % Completion of project
4	New Khanki Barrage Construction Project	100 %Completion of Civil work
5	Punjab Barrages Improvement Phase-II Project (PBIP-II) - Jinnah Barrage	100 % works Completed
6	Pakpatan Canal and Sulemanki Barrage Improvement Project (PCSBIP)	100 %Completion of Civil work
7	Engineering Designof Jalalpur Irrigation Project	100 %Completion of Civil work
8	Construction of Sowrra Dam Project in District Attock	100 %Completion of Civil work
9	Improvement of Drainage System in Tehsil NausheraVirkan	100 %Completion of Civil work
10	Rehabilitation of NausheraDistySystem	100 %Completion of Civil work
11	Rehabilitation of MuridkeDistributory System	100 %Completion of Civil work
12	Rehabilitation of 7/Hakra with System	100 %Completion of Civil work
13	Disaster & Climate Resilience Improvement Project (DCRIP)	46 %Completion of Civil work
14	Rehabilitation of Khadir Feeder, Khadir Disty and Chenab Escape	80 %Completion of Civil work
15	Flood Emergency Reconstruction and Resilience Project (Irrigation Components)	81 % Completion of Civil work
16	Greater Thal Canal Project Phase-II (Chobara with System)	2 % Completion of Civil work
17	Selective Lining of Irrigation Channels in Punjab Phase-III	73 % works Completed
18	Rehabilitation of TrimmuSidhnai Link Canal	49 % works Completed
19	Construction of MohraShera Dam in District Rawalpindi (Land Acquisition and balance works)	87 % works Completed
22	Construction of Mujahid Dam District Rawalpindi (Land Acquisition andbalance works)	76% works Completed
24	Construction of Chahan Dam Project	91% works Completed
25	Construction of Mohata Dam	52% works Completed
26	Construction of Tamman Dam	70% works Completed
27	Construction of Pindori Dam	92% works Completed
28	Flood Protection of Sialkot against Aik and	77% works Completed

	PhalkuNullah	
29	Flood Protection of Kamoki and adjoining Areas	88% works Completed
30	Construction of Ghabir Dam (Land Acquisition and Command Area Development Punjab Component)	52% works Completed
31	Rehabilitation and Improvement of Existing Dams and Irrigation Channels in Small Dams Organization	85% works Completed

TREND OF ALLOCATIONS

[(Million Rs)]

Year	Original Allocation	Revised Allocation
2010-11	11,005	9,735
2011-12	10,850	10,391
2012-13	11,250	11,290
2013-14	22,401	23,000
2014-15	35,572	35,000
2015-16	35,370	35,367
2016-17	41,000	34,890
2017-18	41,031	32,146
2018-19	19,500	

MTDF 2018-21
Irrigation: Summary
Development Programme 2018-19

(PKR Million)

Sub-Sector	Local	F. Aid	Total
On-going Schemes			
Buildings	64.722	0.000	64.722
Drainage	890.855	0.000	890.855
Flood Works	2,174.943	0.000	2,174.943
Foreign Aided Projects	1,162.563	7,231.870	8,394.433
Irrigation	2,892.452	0.000	2,892.452
Local Development Programme	288.414	0.000	288.414
Miscellaneous	62.927	0.000	62.927
Prime Minister's SDGs Programme	4.100	0.000	4.100
Small Dams	3,613.176	0.000	3,613.176
Survey Investigation & Research	439.688	0.000	439.688
Total: On-going Schemes	11,593.840	7,231.870	18,825.710
New Schemes			
Buildings	20.000	0.000	20.000
Drainage	2.000	0.000	2.000
Flood Works	210.000	0.000	210.000
Irrigation	330.000	0.000	330.000
PPP	1.000	0.000	1.000
Survey Investigation & Research	111.290	0.000	111.290
Total: New Schemes	674.290	0.000	674.290
Total (Ongoing + New + ODP)	12,268.130	7,231.870	19,500.000

Development Programme 2019-20

(PKR Million)

Sub-Sector	Local	F. Aid	Total
On-going Schemes			
Buildings	71.194	0.000	71.194
Drainage	979.941	0.000	979.941
Flood Works	2,392.437	0.000	2,392.437
Foreign Aided Projects	1,278.819	7,231.870	8,510.689
Irrigation	3,181.697	0.000	3,181.697
Local Development Programme	317.255	0.000	317.255
Miscellaneous	69.220	0.000	69.220
Prime Minister's SDGs Programme	4.510	0.000	4.510
Small Dams	3,974.494	0.000	3,974.494
Survey Investigation & Research	483.657	0.000	483.657
Total: On-going Schemes	12,753.224	7,231.870	19,985.094
New Schemes			
Buildings	22.000	0.000	22.000
Drainage	2.200	0.000	2.200
Flood Works	231.000	0.000	231.000
Irrigation	363.000	0.000	363.000
PPP	1.100	0.000	1.100

Development Programme 2019-20

(PKR Million)

Sub-Sector	Local	F. Aid	Total
New Schemes			
Survey Investigation & Research	122.419	0.000	122.419
Total: New Schemes	741.719	0.000	741.719
Total (Ongoing + New + ODP)	13,494.943	7,231.870	20,726.813

Development Programme 2020-21

(PKR Million)

Sub-Sector	Local	F. Aid	Total
On-going Schemes			
Buildings	78.314	0.000	78.314
Drainage	1,077.935	0.000	1,077.935
Flood Works	2,631.681	0.000	2,631.681
Foreign Aided Projects	1,406.701	7,231.870	8,638.571
Irrigation	3,499.867	0.000	3,499.867
Local Development Programme	348.981	0.000	348.981
Miscellaneous	76.142	0.000	76.142
Prime Minister's SDGs Programme	4.961	0.000	4.961
Small Dams	4,371.943	0.000	4,371.943
Survey Investigation & Research	532.022	0.000	532.022
Total: On-going Schemes	14,028.546	7,231.870	21,260.416
New Schemes			
Buildings	24.200	0.000	24.200
Drainage	2.420	0.000	2.420
Flood Works	254.100	0.000	254.100
Irrigation	399.300	0.000	399.300
PPP	1.210	0.000	1.210
Survey Investigation & Research	134.661	0.000	134.661
Total: New Schemes	815.891	0.000	815.891
Total (Ongoing + New + ODP)	14,844.437	7,231.870	22,076.307
MTDF 2018-21 : Grand Total			62,303.120

IRRIGATION: SUMMARY

(PKR Million)

Type / Sub Sector	No. of Schemes	Provision for 2018-19				Projection for 2019-20	Projection for 2020-21
		Capital	Revenue	Foreign Aid	G. Total (Cap + Rev)		
<u>ON-GOING SCHEMES</u>							
Buildings	5	64.722	0.000	0.000	64.722	1,064.867	489.839
Drainage	12	890.855	0.000	0.000	890.855	4,023.493	3,522.496
Flood Works	32	2,174.943	0.000	0.000	2,174.943	9,583.605	4,771.306
Foreign Aided Projects	11	1,089.103	73.460	7,231.870	8,394.433	13,594.102	7,044.000
Irrigation	30	2,892.452	0.000	0.000	2,892.452	10,918.981	6,638.064
Miscellaneous	2	62.927	0.000	0.000	62.927	451.667	63.846
Small Dams	15	3,613.176	0.000	0.000	3,613.176	4,282.929	4,385.293
Survey Investigation & Research	6	399.688	40.000	0.000	439.688	574.010	373.288
Local Development Programme	9	288.414	0.000	0.000	288.414	576.167	0.000
Prime Minister's SDGs Programme	1	4.100	0.000	0.000	4.100	0.000	0.000
Total: ON-GOING SCHEMES	123	11,480.380	113.460	7,231.870	18,825.710	45,069.821	27,288.132
<u>NEW SCHEMES</u>							
Buildings	1	20.000	0.000	0.000	20.000	30.000	0.000
Drainage	1	2.000	0.000	0.000	2.000	0.000	0.000
Flood Works	6	210.000	0.000	0.000	210.000	2,320.000	2,000.000
Irrigation	8	315.000	15.000	0.000	330.000	6,682.000	5,805.000
Survey Investigation & Research	3	96.290	15.000	0.000	111.290	888.710	810.000
PPP	1	1.000	0.000	0.000	1.000	0.000	0.000
Total: NEW SCHEMES	20	644.290	30.000	0.000	674.290	9,920.710	8,615.000
Total: ADP	143	12,124.670	143.460	7,231.870	19,500.000	54,990.531	35,903.132
Grand Total	143	12,124.670	143.460	7,231.870	19,500.000	54,990.531	35,903.132

Irrigation

(PKR Million)

GS No	Scheme Information Scheme ID / Approval Date / Location	Est. Cost	Accum. Exp. June, 18	Provision for 2018-19			MTDF Projections		Throw fwd Beyond June, 2021
				Cap.	Rev.	G.Total (Cap.+Rev.)	2019-20	2020-21	
1	2	3	4	5	6	7	8	9	10

ON-GOING SCHEMES

Irrigation

4917	Rehabilitation improvement of Machinery and Channels of Pai Khel Lift Irrigation Scheme 15-17-32-007423 / 01-07-2017 / Mianwali LE42230000 C	395.527	34.660	10.000	0.000	10.000	240.000	110.867	0.000
4918	Upgradation of Existing old Machinery of Lift Irrigation Schemes and Lining of Channels in Mianwali Canal Division, Mianwali. 15-17-32-007424 / 01-07-2017 / Mianwali LO17003725 C	397.251	28.653	30.000	0.000	30.000	338.598	0.000	0.000
4919	Rehabilitation of Manchar High Level Channel RD 0 to RD 19500 and 1R Minor RD 0 to RD 7 Tail 15-17-12-007418 / 01-07-2017 / Gujranwala LO17003727 C	80.674	8.036	50.000	0.000	50.000	0.000	0.000	0.000
4920	Rehabilitation of Naushera Disty System 15-14-12-007447 / 01-07-2014 / Gujranwala LO14001002 C	718.017	654.000	64.017	0.000	64.017	0.000	0.000	0.000
4921	Rehabilitation of BRBD from RD 0+000 to RD 50+000 Including Flood Inlets. 15-16-17-004476 / 09-12-2016 / Sialkot LO16001947 C	418.000	179.863	135.000	0.000	135.000	103.317	0.000	0.000
4922	Rehabilitation of Muridke Distributary System. 15-14-21-000987 / 03-06-2015 / Sheikhpura LO10000026 C	749.252	650.051	60.000	0.000	60.000	0.000	0.000	0.000
4923	Construction of Mian Janda Minor, Chak 177/P to Kartar Pura, District Nankana Sahib 15-15-20-002433 / 27-11-2015 / Nankana Sahib LO15003230 C	279.000	133.670	34.667	0.000	34.667	110.663	0.000	0.000
4924	Remodeling of 3 No. Aqueducts along B.S.Link Canal 15-14-18-000639 / 18-12-2014 / Kasur LO14001027 C	432.405	211.404	8.333	0.000	8.333	212.668	0.000	0.000
4925	Rehabilitation of MBL From Head to Tail 15-17-18-007419 / 01-07-2017 / Kasur LO17003730 C	817.334	0.000	80.000	0.000	80.000	410.000	327.334	0.000
4926	Side Protection of Jandraka Disty RD 9+000 to RD 74+877 15-17-34-007379 / 01-07-2017 / Okara LO17003732 C	174.171	20.700	48.333	0.000	48.333	105.138	0.000	0.000
4927	Lining of Nehranwala Disty RD 0 to 14+383 15-17-34-010491 / 01-07-2017 / Okara LO17003731 C	102.492	19.250	55.000	0.000	55.000	0.000	0.000	0.000
4928	Rehabilitation of Sidhnai Canal from Head to Tail 15-17-22-007446 / 01-07-2017 / Khanewal LO17003733 C	379.752	0.000	20.000	0.000	20.000	359.752	0.000	0.000
4929	Remodeling of SMB Link Canal and Enhancing Capacity of Mailsi Syphon 15-14-25-000774 / 25-02-2015 / Vehari LO10000031 C	4,800.629	1,443.568	120.000	0.000	120.000	1,741.269	1,682.061	0.000
4930	Lining of Lal Distributary. 15-15-04-002188 / 02-09-2015 / Dera Ghazi Khan LO15004012 C	73.565	12.577	54.800	0.000	54.800	0.000	0.000	0.000

Irrigation

(PKR Million)

GS No	Scheme Information Scheme ID / Approval Date / Location	Est. Cost	Accum. Exp. June, 18	Provision for 2018-19			MTDF Projections		Throw fwd Beyond June, 2021
				Cap.	Rev.	G.Total (Cap.+Rev.)	2019-20	2020-21	
1	2	3	4	5	6	7	8	9	10
4931	Concrete Lining of Maggi Magassom Link RD 0 to 58500 15-14-06-000641 / 18-12-2014 / Muzaffargarh LO14001035 C	434.798	309.151	80.000	0.000	80.000	0.000	0.000	0.000
4932	Rehabilitation and Lining of Adil Wah Disty and Its System. 15-16-06-004485 / 01-07-2016 / Muzaffargarh LO16001956 C	556.581	278.029	41.667	0.000	41.667	236.885	0.000	0.000
4933	Rehabilitation of Ahmadpur Branch System 15-14-02-000643 / 08-12-2014 / Bahawalpur LO14001038 C	1,762.158	702.955	50.000	0.000	50.000	580.000	429.203	0.000
4934	Rehabilitation of Eastern Sadiqia Canal for Restoring its Design Capacity in Reach RD 0-195 15-16-01-004487 / 13-12-2016 / Bahawalnagar LO16001958 C	958.286	196.469	65.000	0.000	65.000	385.000	200.000	111.817
4935	Rehabilitation of 6R/Hakra with System 15-16-01-004488 / 09-12-2016 / Bahawalnagar LO16001959 C	393.292	163.989	169.303	0.000	169.303	60.000	0.000	0.000
4936	Rehabilitation of 7R/Hakra with System 15-16-01-004489 / 09-12-2016 / Bahawalnagar LO16001960 C	395.995	224.260	171.375	0.000	171.375	0.000	0.000	0.000
4937	Rehabilitation of Hakra Branch from RD 0+000 to 286+920 15-18-01-007417 / 01-07-2018 / Bahawalnagar LO17003735 C	868.599	0.000	70.000	0.000	70.000	440.000	358.599	0.000
4938	Rehabilitation of Ahmadpur Lamma disty System 15-14-03-000644 / 18-12-2014 / Rahim Yar Khan LO14001039 C	937.958	603.652	70.000	0.000	70.000	264.306	0.000	0.000
4939	Rehabilitation of Degi Distributary with System 15-16-03-004490 / 27-12-2016 / Rahim Yar Khan LO16001961 C	1,145.107	126.499	41.667	0.000	41.667	500.000	300.000	176.941
4940	Selective Lining of Irrigation Channels in Punjab Phase III 15-14-37-000988 / 01-07-2014 / Punjab LO14001040 C	3,500.000	2,341.820	230.000	0.000	230.000	658.180	230.000	40.000
4941	Clearing Liabilities of Incomplete Unfunded Schemes 15-17-37-010251 / 01-07-2017 / Punjab LO17003736 C	313.294	0.000	313.294	0.000	313.294	0.000	0.000	0.000
4942	Improvement of Irrigation Water Supply at Tail Reaches of Irrigation Channels of Minors in Selected Area of Punjab 15-17-37-011711 / 30-07-2017 / Punjab LO17003737 C	6,000.000	11.541	453.330	0.000	453.330	1,575.000	1,500.000	2,460.129
4943	Rehabilitation/Lining of Sharqpur Disty & System. 15-14-38-000645 / 18-12-2014 / Nankana Sahib,Sheikhupura LO14001041 C	853.399	643.328	38.333	0.000	38.333	171.738	0.000	0.000
4944	Rehabilitation of Trimmu Sidhnai Link Canal. 15-15-38-002309 / 20-10-2015 / Jhang,Toba Tek Singh LO14001048 C	2,455.000	1,149.902	58.333	0.000	58.333	451.667	500.000	295.098
4945	Greater Thal Canal Project Phase-II (Chobara Branch) 15-15-38-002606 / 05-01-2016 / Bhakkar,Khushab,Layyah,Mianwali LO15001708 C	6,261.701	50.851	100.000	0.000	100.000	1,145.000	1,000.000	3,965.850

Irrigation

(PKR Million)

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				Cap.	Rev.	G.Total (Cap.+Rev.)	2019-20	2020-21	
1	2	3	4	5	6	7	8	9	10
4946	Land Acquisition for Jalalpur Irrigation Project 15-15-38-002607 / 05-01-2016 / Jhelum,Khushab LO15001709 C	2,988.800	2,489.000	170.000	0.000	170.000	829.800	0.000	0.000
Total: Irrigation		39,643.037	12,687.878	2,892.452	0.000	2,892.452	10,918.981	6,638.064	7,049.835

Foreign Aided Projects

4947	Construction of Jalalpur Irrigation Project and its System 15-18-28-007608 / 01-07-2018 / Jhelum LO17003723 C	32,721.460	0.000	753.000	0.000	753.000	4,097.000	3,400.000	24,471.460
				Local: 90.000	0.000				
				Foreign: 663.000	0.000				
4948	Punjab Barrages Improvement Phase II Project (PBIP II) Jinnah Barrage 15-10-32-000051 / 09-12-2010 / Mianwali LO10000021 C	14,427.616	14,333.031	94.586	0.000	94.586	0.000	0.000	0.000
4949	Rehabilitation and up gradation of Trimmu Barrage, Punjnad Head Works Sulemanki 15-14-10-000301 / 03-07-2014 / Jhang LO14001056 C	16,800.000	5,444.211	2,100.000	0.000	2,100.000	5,100.000	644.000	3,511.789
				Local: 200.000	0.000				
				Foreign: 1,900.000	0.000				
4950	New Khanki Barrage Construction Project 15-09-12-000031 / 03-09-2009 / Gujranwala LO11000019 C	23,442.000	23,301.483	140.517	0.000	140.517	0.000	0.000	0.000
4951	Pakpattan canal and Sulemanki Barrage Improvement Project (PCSBIP) 15-13-35-000131 / 28-08-2013 / Pakpattan LO13001011 C	7,829.187	5,336.039	350.000	0.000	350.000	0.000	0.000	0.000
4952	Project Preparation of Punjab Irrigated Agriculture Improvement Programme PIAIP (PC II) 15-13-37-000163 / 11-11-2016 / Punjab LO15001704 R	1,288.970	1,203.236	0.000	66.460	66.460	0.000	0.000	0.000
4953	Flood Emergency Reconstruction and Resilience Project (Irrigation Components) 15-15-37-001675 / 09-07-2015 / Punjab LO15001727 C	6,662.710	4,428.963	995.000	0.000	995.000	1,238.747	0.000	0.000
				Local: 95.000	0.000				
				Foreign: 900.000	0.000				
4954	Disaster & Climate Resilience Improvement Project (DCRIP) 15-15-37-001676 / 09-07-2015 / Punjab LO15001728 C	10,789.400	1,652.927	3,294.870	0.000	3,294.870	2,841.603	3,000.000	0.000
				Local: 0.000	0.000				
				Foreign: 3,294.870	0.000				
4955	Rehabilitation of Khadir Feeder, Khadir Disty and Chenab Escape. 15-16-37-006252 / 01-07-2016 / Punjab LO16006664 C, LO16006664 R	901.395	211.643	502.000	7.000	509.000	294.752	0.000	0.000
				Local: 28.000	7.000				
				Foreign: 474.000	0.000				
4956	Lower Bari Doab Canal Improvement Project PC I 15-06-38-000005 / 07-03-2007 / Kasur,Khanewal,Okara,Sahiwal LO01000866 C, LO01001282 R	29,832.490	27,010.710	80.000	0.000	80.000	0.000	0.000	0.000
4957	Engineering Design of Jalalpur Irrigation Project. 15-14-38-000992 / 03-06-2015 / Jhelum,Khushab LO15001726 C	497.876	265.690	11.000	0.000	11.000	22.000	0.000	0.000
Total: Foreign Aided Projects		145,193.104	83,187.933	8,320.973	73.460	8,394.433	13,594.102	7,044.000	27,983.249

Flood Works

4958	Construction of Flood Bund to Protect Agricultural Land and Village Abadi to Bhimber along Left Bank of Nullah Bunuhan in District Jhelum 15-15-28-002703 / 07-01-2016 / Jhelum LO15003183 C	84.869	56.503	12.500	0.000	12.500	0.000	0.000	0.000
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Irrigation

(PKR Million)

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1	2	3	4	5	6	7	8	9	10
4959	Extension of Gurha Ahmad Flood Bund for Protection of Infrastructures on Right Side of River Kahan 15-17-28-007441 / 01-07-2017 / Jhelum LO17003712 C	112.622	7.999	61.000	0.000	61.000	0.000	0.000	0.000
4960	Extending Cantonment Flood Bund Downstream G.T. Road Bridge Along Right Bank of River Jhelum 15-18-28-010255 / 01-07-2018 / Jhelum LO17003713 C	416.522	0.000	40.000	0.000	40.000	296.522	80.000	0.000
4961	Protection of Abadies and Infrastructure from Devastation of Chachali Nullah Tehsil Isa Khel District Mianwali 15-15-32-002310 / 07-10-2015 / Mianwali LO14001057 C	303.835	146.922	90.000	0.000	90.000	0.000	0.000	0.000
4962	Channelization of Nullah Broach Tehsil Isa Khel District Mianwali 15-15-32-002311 / 07-10-2015 / Mianwali LO14001058 C	505.512	256.999	55.000	0.000	55.000	193.513	0.000	0.000
4963	Restoration of J Head Spur No 3 on Indus Between Dhingana and Doaba and Dhingana Village & Construction of J-head Spur RD 35+600/L Near Village Dobba 15-16-32-004497 / 01-07-2016 / Mianwali LO16001968 C	886.000	142.754	64.000	0.000	64.000	406.000	273.248	0.000
4964	Channelization of Jabba Nullah Tehsil & District Mianwali 15-16-32-004498 / 01-07-2016 / Mianwali LO16001969 C	695.654	74.734	60.000	0.000	60.000	295.000	270.920	0.000
4965	Channelization of Rakka and Darsola Nullah Tehsil Isakhel District Mianwali 15-17-32-007442 / 01-07-2017 / Mianwali LO17003714 C	399.783	60.000	60.000	0.000	60.000	279.783	0.000	0.000
4966	Protection of Bhakhar Flood Bund from Erosive Action Between RD 0+000 to 76+000 to Save the Abadies, Agriculture Land & Other Infrastructure of Bhakkar City 15-14-30-000647 / 05-12-2014 / Bhakkar LO14001060 C	892.218	548.332	80.000	0.000	80.000	150.000	113.886	0.000
4967	Providing River Training Works over River Ravi due to Construction of Mal Fatyana Bridge. 15-15-11-002312 / 07-10-2015 / Toba Tek Singh LO15001736 C	425.620	364.827	3.667	0.000	3.667	57.126	0.000	0.000
4968	Providing Flood Protection along Right Bank of Chenab River Downstream Qadirabad Barrage. 15-16-15-004501 / 13-01-2017 / Mandi Bahauddin LO16001972 C	263.306	179.500	83.806	0.000	83.806	0.000	0.000	0.000
4969	Flood Protection of Sialkot against Aik, Bhed, and Phalku Nullah 15-14-17-000989 / 10-06-2015 / Sialkot LO15001714 C	3,974.525	2,878.959	175.000	0.000	175.000	440.000	380.566	100.000
4970	Management of Flood Protection of Deg Nullah (Channelization and Enhancing Capacity of Basantar Nullah 15-18-17-004502 / 01-07-2018 / Sialkot LO15001712 C	9,229.000	0.000	53.333	0.000	53.333	2,340.000	2,000.000	4,835.667
4971	Installation of Weather Surveillance Radar at Sialkot 15-17-17-024649 / 01-07-2017 / Sialkot LO16001443 C	736.030	200.000	64.010	0.000	64.010	472.020	0.000	0.000

Irrigation

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1	2	3	4	5	6	7	8	9	10
4972	Enhancing Capacity of Nullah Bhed and Laila Drain in District Sheikhpura 15-14-21-000955 / 26-05-2015 / Sheikhpura LO14005627 C	696.122	530.203	28.333	0.000	28.333	137.586	0.000	0.000
4973	Construction of Mole Head Spur for Protection of Nawar Kot Village and Other Infrastructure. 15-15-21-002190 / 15-09-2015 / Sheikhpura LO15001734 C	260.953	23.270	100.000	0.000	100.000	137.233	0.000	0.000
4974	Flood protection of Kamoki and adjoining areas 15-15-21-002191 / 02-09-2015 / Sheikhpura LO15001715 C	2,174.936	1,839.226	70.000	0.000	70.000	265.710	0.000	0.000
4975	Channelization of Deg Diversion Channel 15-17-21-007444 / 01-07-2017 / Sheikhpura LO17003716 C	2,050.000	200.000	166.667	0.000	166.667	905.000	778.333	0.000
4976	Channelization of Deg Nullah (Land Acquisition Punjab Component) 15-16-21-010125 / 30-11-2016 / Sheikhpura LO16001987 C	3,175.485	2,099.937	250.630	0.000	250.630	490.000	334.918	0.000
4977	Protection of Aurangabad Village by Excavating Cunnet and constructing Gunda Bund to Change the Main River Course at River Ravi 15-16-36-004503 / 01-07-2016 / Sahiwal LO16001973 C	149.683	91.540	58.143	0.000	58.143	0.000	0.000	0.000
4978	Construction of Guide Spur near Ameerpur/ Sheikh Tayyab at River Ravi 15-16-36-004504 / 01-07-2017 / Sahiwal LO16001974 C	153.749	11.160	42.667	0.000	42.667	99.922	0.000	0.000
4979	Tying up of Fazil Shah Flood Bund with Shujabad Branch (Second Defence Line). (Shujabad) 15-16-22-004505 / 01-07-2017 / Khanewal LO16001975 C	135.726	0.000	26.667	0.000	26.667	109.059	0.000	0.000
4980	Management of Hill Torrents / Flood Protection of Rajanpur District 15-14-07-000990 / 10-03-2016 / Rajanpur LO14001068 C	146.609	109.302	37.307	0.000	37.307	0.000	0.000	0.000
4981	Construction of Flood Bund along River Indus from Rakh Bagh Wala to Bait Wagwar Kot Mithan District Rajanpur RD 0-275 15-16-07-004508 / 13-12-2016 / Rajanpur LO16001978 C	1,645.936	701.931	65.000	0.000	65.000	585.000	299.005	0.000
4982	Closing Breach and Strengthening Tibba Tie Bund RD 8900 15-17-06-010122 / 30-06-2017 / Muzaffargarh LO17003719 C	88.279	69.402	18.877	0.000	18.877	0.000	0.000	0.000
4983	Providing River Training Works along Rangpur Flood Bund 15-18-06-010252 / 01-07-2018 / Muzaffargarh LO17003720 C	568.802	0.000	53.330	0.000	53.330	515.472	0.000	0.000
4984	Construction of Head Regulator and allied structures on Lala Creek for protecting District Layyah from Floods 15-17-05-004514 / 01-06-2017 / Layyah LO16001984 C	539.479	265.157	53.006	0.000	53.006	222.316	0.000	0.000

Irrigation

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1	2	3	4	5	6	7	8	9	10
4985	Protection of Public Infra Structure in the Vicinity of Moza Mongar, Tehsil Karor Lal Hussain District Layyah 15-17-05-004516 / 01-07-2017 / Layyah LO16001986 C	573.890	203.460	67.000	0.000	67.000	213.000	240.430	0.000
4986	Construction of Flood Embankments and Protection Works along Left and Right Bank of River Indus for Bridge Near Mianpur Linkage N-5 Arbi Tibba With Rahimyar Khan Islamabad 15-15-03-001673 / 01-07-2015 / Rahim Yar Khan LO14001070 C	603.849	386.519	30.000	0.000	30.000	187.330	0.000	0.000
4987	Guide Wall spur at RD 191 to 192 Minchin Flood Bund 15-17-03-007438 / 01-07-2017 / Rahim Yar Khan LO17003721 C	399.994	70.703	90.000	0.000	90.000	239.291	0.000	0.000
4988	Raising & Strengthening of Gunda Bund near Maddokana Guide Wall Spur 15-17-08-010545 / 01-07-2017 / Chiniot LE42230000 C	199.945	5.000	65.000	0.000	65.000	129.945	0.000	0.000
4989	Management of Hill Torrents in DG Khan Irrigation Zone Sori Lund, Vidore, Mithawan, Kaha and Chachar (Sori Lund Hill Torrents) 15-14-38-000649 / 08-12-2014 / Dera Ghazi Khan, Rajanpur LO14001064 C	2,035.000	1,568.223	50.000	0.000	50.000	416.777	0.000	0.000
Total: Flood Works		34,523.933	13,092.562	2,174.943	0.000	2,174.943	9,583.605	4,771.306	4,935.667

Small Dams

4990	Construction of Chahan Dam Project 15-12-29-000122 / 25-05-2013 / Rawalpindi LO11002443 C	1,567.430	1,362.220	65.333	0.000	65.333	139.877	0.000	0.000
4991	Construction of Mohata Dam 15-14-29-000650 / 09-12-2014 / Rawalpindi LO14001050 C	2,414.593	1,169.130	77.277	0.000	77.277	547.720	620.463	0.003
4992	Construction of Dadhocha Dam 15-16-29-004518 / 01-07-2017 / Rawalpindi LO16001988 C	6,027.710	0.000	2,853.233	0.000	2,853.233	1,000.000	2,174.477	0.000
4993	Construction of Papin Dam Project 15-18-29-004519 / 01-07-2018 / Rawalpindi LO16001989 C	1,227.000	0.000	175.667	0.000	175.667	800.000	251.333	0.000
4994	Construction of Mohra Shera Dam in District Rawalpindi 15-09-29-011425 / 17-07-2009 / Rawalpindi LO13001448 C	844.587	688.587	52.000	0.000	52.000	104.000	0.000	0.000
4995	Construction of Mujahid Dam District Rawalpindi 15-08-29-011426 / 07-09-2009 / Rawalpindi LO13000036 C	981.310	685.310	58.333	0.000	58.333	237.667	0.000	0.000
4996	Construction of Small Dams in District Attock Phase II Shahbazpur, Tajabara and Sadrial Dams (Revise) 15-07-26-000008 / 19-11-2007 / Attock RI01000166 C	1,168.580	457.010	25.000	0.000	25.000	300.000	386.570	0.000
4997	Construction of Sowra Dam Project in District Attock 15-14-26-000452 / 24-10-2014 / Attock LO11002442 C	915.075	905.075	30.000	0.000	30.000	0.000	0.000	0.000
4998	Raising of Shahpur Dam 15-14-26-001674 / 18-10-2014 / Attock LO14001049 C	352.314	189.928	40.000	0.000	40.000	122.386	0.000	0.000

Irrigation

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1	2	3	4	5	6	7	8	9	10
4999	Construction of Dhrabi and Minwal Dam (Revised) 15-05-27-000001 / 15-08-2005 / Chakwal LO16001940 C	981.365	479.000	50.000	0.000	50.000	200.000	252.365	0.000
5000	Construction of Small Dams in District Chakwal Phase II (Dhok Hum, Mundi Dam, Dhok Jhang and Uthwal /Lakhwal Dam (Revised) 15-09-27-000049 / 19-03-2010 / Chakwal LO16001939 C	1,496.080	996.000	50.000	0.000	50.000	220.000	230.080	0.000
5001	Construction of Tamman Dam 15-14-27-000454 / 16-10-2014 / Chakwal LO14001052 C	1,542.014	1,060.442	25.000	0.000	25.000	205.000	251.572	0.000
5002	Construction of Ghabir Dam (Land Acquisition and Command Area Development Punjab Component) 15-15-27-002192 / 11-09-2015 / Chakwal LO15001717 C	924.933	436.500	50.000	0.000	50.000	220.000	218.433	0.000
5003	Construction of Pindori Dam 15-12-28-000123 / 20-05-2013 / Jhelum LO12001699 C	959.310	871.134	10.333	0.000	10.333	77.843	0.000	0.000
5004	Rehabilitation and Improvement of Existing Dams and Irrigation Channels in Small Dams Organization 15-14-38-000332 / 01-07-2012 / Attock,Chakwal,Jhelum,Rawalpindi LO12000016 C	732.017	572.581	51.000	0.000	51.000	108.436	0.000	0.000
Total: Small Dams		22,134.318	9,872.917	3,613.176	0.000	3,613.176	4,282.929	4,385.293	0.003
Drainage									
5005	Construction of 12 No. Bridges on Drains in Sargodha District 15-16-10-004491 / 29-02-2016 / Jhang LO16001962 C	176.329	96.567	45.000	0.000	45.000	40.762	0.000	0.000
5006	Improvement of Drainage System in Tehsil Nowshera Virkan 15-16-12-004493 / 09-12-2016 / Gujranwala LO16001964 C	393.238	182.863	56.333	0.000	56.333	154.042	0.000	0.000
5007	Remodeling of Nikki Deg Drain RD 0 to 233+278 15-17-12-007428 / 01-07-2017 / Gujranwala LO42230000 C	1,132.617	142.391	70.000	0.000	70.000	490.000	430.226	0.000
5008	Construction of 1R Hadda Drain 15-17-15-007426 / 01-07-2017 / Mandi Bahauddin LO17003704 C	52.047	25.531	26.516	0.000	26.516	0.000	0.000	0.000
5009	Construction of Tibba Manka Drain RD 0 to 28 15-17-15-007429 / 01-07-2017 / Mandi Bahauddin LO17003704 C	125.068	50.000	75.068	0.000	75.068	0.000	0.000	0.000
5010	Construction of Side Drain Along M.R.Link from RD 296+000 to 314+000 having Capacity of 3000 Cusecs 15-13-16-000285 / 21-05-2014 / Narowal LO14001044 C	397.545	198.167	10.000	0.000	10.000	110.000	79.378	0.000
5011	Enhancing capacity of Sheikhpura Drain RD 0+000 to 91+000 15-16-21-004494 / 28-06-2016 / Sheikhpura LO16001965 C	398.411	316.063	48.605	0.000	48.605	33.743	0.000	0.000
5012	Extension and Rehabilitation of Qutab Drain 15-17-07-007434 / 01-07-2017 / Rajanpur LE42230000 C	3,709.239	690.213	236.000	0.000	236.000	1,270.134	1,512.892	0.000

Irrigation

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1	2	3	4	5	6	7	8	9	10
5013	Rehabilitation of Drainage Network in District Muzaffargarh 15-17-06-007433 / 01-07-2017 / Muzaffargarh LO17003708 C	391.989	100.000	26.667	0.000	26.667	265.322	0.000	0.000
5014	Reclamation of Water Logged Agriculture Land of Border Area along Hakra Canal 15-17-01-007430 / 01-07-2017 / Bahawalnagar LO17003709 C	1,581.744	0.000	80.000	0.000	80.000	520.000	500.000	481.744
5015	Mitigation of Water Logging in District R.Y.Khan 15-17-03-007425 / 01-07-2017 / Rahim Yar Khan LO17003710 C	1,604.316	0.000	53.333	0.000	53.333	539.490	500.000	511.493
5016	Improvement of Drainage Network in Selected Area of Punjab 15-17-37-011708 / 01-07-2018 / Punjab LO17003711 C	1,977.601	0.000	163.333	0.000	163.333	600.000	500.000	714.268
Total: Drainage		11,940.144	1,801.795	890.855	0.000	890.855	4,023.493	3,522.496	1,707.505

Buildings

5017	Improvement of Basic Facilities in Small Dams Organization (Security Arrangements, Construction of Offices/Residencies etc) 15-15-26-002193 / 18-09-2015 / Attock LO15001722 C	321.137	143.589	20.000	0.000	20.000	157.548	0.000	0.000
5018	Construction Office Building of Chief Engineer Drainage & Flood Zone, Lahore 15-17-19-010308 / 01-07-2017 / Lahore LO17003700 C	241.668	0.000	11.667	0.000	11.667	230.001	0.000	0.000
5019	Construction of New Q.B.Link Office Complex Residences Boundary wall at Farooqabad 15-17-20-007445 / 01-07-2017 / Nankana Sahib LO17003701 C	394.839	0.000	6.089	0.000	6.089	238.911	149.839	0.000
5020	Construction of Residential Buildings in Canal Colony LBDC Sahiwal, residence of SDO Sahiwal and SDO Ganjibar Naiwala 15-17-36-007609 / 01-07-2017 / Sahiwal LO17003702 C	52.393	7.020	6.966	0.000	6.966	38.407	0.000	0.000
5021	Construction of New Campus of Government Engineering Academy Punjab. 15-16-37-004523 / 04-04-2016 / Punjab LO15001721 C	850.000	90.000	20.000	0.000	20.000	400.000	340.000	0.000
Total: Buildings		1,860.037	240.609	64.722	0.000	64.722	1,064.867	489.839	0.000

Miscellaneous

5022	Security Arrangements for Key Points (Barrages Dams and all the Important Sites) 15-14-37-000455 / 21-10-2014 / Punjab LO14001071 C	164.100	129.506	34.594	0.000	34.594	0.000	0.000	0.000
5023	Augmentation of Earth Moving Machinery in Irrigation Department Punjab 15-15-37-002313 / 07-12-2015 / Punjab LO15001725 C	1,592.205	1,048.359	28.333	0.000	28.333	451.667	63.846	0.000
Total: Miscellaneous		1,756.305	1,177.865	62.927	0.000	62.927	451.667	63.846	0.000

Irrigation

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Prime Minister's SDGs Programme

5024	Lining of 9 Burjies 3 L/IR Minor Chak No.259/EB District Vehari 15-17-25-011786 / 01-07-2017 / Vehari LO17003758 C	8.733	4.633	4.100	0.000	4.100	0.000	0.000	0.000
Total: Prime Minister's SDGs Programme		8.733	4.633	4.100	0.000	4.100	0.000	0.000	0.000

Survey Investigation & Research

5025	Feasibility Study for Construction of Kas Umar Khan Canal System PC II 15-16-32-004471 / 11-11-2016 / Mianwali LO16001941 C	120.788	99.846	20.942	0.000	20.942	0.000	0.000	0.000
5026	Using Seepage of River Ravi to Meet With Drinking Water Needs of Lahore City. 15-16-19-004472 / 26-08-2016 / Lahore LO16001942 C	80.035	70.289	9.746	0.000	9.746	0.000	0.000	0.000
5027	Establishment of Strategic Planning / Reform Unit in Irrigation and Power Department 15-14-37-000986 / 26-06-2015 / Punjab LO09100046 R	362.000	143.278	0.000	40.000	40.000	178.722	0.000	0.000
5028	Recharge of Aquifer for Groundwater Management in Punjab. 15-15-37-001669 / 11-02-2016 / Punjab LO15001724 C	580.586	140.758	35.000	0.000	35.000	160.000	100.000	144.828
5029	Hiring of Consultancy Services for Monitoring of Projects under Provincial Development Program. 15-15-37-002314 / 28-10-2015 / Punjab LO16001946 C	1,275.985	455.409	312.000	0.000	312.000	235.288	273.288	0.000
5030	Strengthening and Up gradation of Field Research Station at Babakwal and Research Laboratories of Irrigation Research Institute Lahore and Numerical Modeling of Hydraulic Structures 15-14-38-000638 / 18-12-2014 / Lahore,Sheikhupura LO14001023 C	203.696	165.848	22.000	0.000	22.000	0.000	0.000	0.000
Total: Survey Investigation & Research		2,623.090	1,075.428	399.688	40.000	439.688	574.010	373.288	144.828

Local Development Programme

5031	Construction of Mateela Drain RD 0+000 to 20+080 15-17-33-010121 / 30-06-2017 / Sargodha LO17003738 C	41.276	1.000	31.276	0.000	31.276	0.000	0.000	0.000
5032	Concrete Lining of Rajbah, Akal Pur, Norewala, District Jhang 15-17-10-011201 / 01-07-2017 / Jhang LO17003741 C	9.356	2.820	6.536	0.000	6.536	0.000	0.000	0.000
5033	Lining of Bungahayat Disty RD 81+670 to 110+272 Tail in Tehsil and District Pakpattan 15-17-35-011754 / 02-07-2017 / Pakpattan LO17003743 C	67.977	12.983	45.000	0.000	45.000	0.000	0.000	0.000

Irrigation

(PKR Million)

GS No	Scheme Information Scheme ID / Approval Date / Location	Est. Cost	Accum. Exp. June, 18	Provision for 2018-19			MTDF Projections		Throw fwd Beyond June, 2021
				Cap.	Rev.	G.Total (Cap.+Rev.)	2019-20	2020-21	
1	2	3	4	5	6	7	8	9	10
5034	Construction of Retaining Wall on Right Bank of Juggi Wala Minor District Muzaffargarh 15-17-06-011212 / 30-07-2017 / Muzaffargarh LO17003748 C	31.722	0.000	31.722	0.000	31.722	0.000	0.000	0.000
5035	Construction of Side Protection at Lunda Minor District Muzaffargarh 15-17-06-011720 / 01-07-2017 / Muzaffargarh LO17003749 C	66.190	14.679	43.880	0.000	43.880	0.000	0.000	0.000
5036	Construction of Spur Bund Biat Gujji & Sumra Nahshaib NA-182, District Layyah 15-17-05-011434 / 30-07-2017 / Layyah LO17003750 C	386.078	281.000	18.000	0.000	18.000	87.078	0.000	0.000
5037	Concrete Lining of 1-L/Shahiwala Minor RD 0+00 to 37+500 District Bahawalpur 15-17-02-011721 / 01-07-2017 / Bahawalpur LO17003753 C	144.265	15.242	35.000	0.000	35.000	88.023	0.000	0.000
5038	Concrete Lining of 2-R Mohal Disty RD 0 to 69+000 District Bahawalpur 15-17-02-011723 / 01-07-2017 / Bahawalpur LO17003751 C	348.396	23.000	22.000	0.000	22.000	303.396	0.000	0.000
5039	Concrete Lining of Mithra Disty RD 0+000 to Tail (40+550) District Bahawalpur 15-17-02-011724 / 01-07-2017 / Bahawalpur LO17003752 C	164.670	12.000	55.000	0.000	55.000	97.670	0.000	0.000
Total: Local Development Programme		1,259.930	362.724	288.414	0.000	288.414	576.167	0.000	0.000
Total: ON-GOING SCHEMES		260,942.631	123,504.344	18,712.250	113.460	18,825.710	45,069.821	27,288.132	41,821.087

NEW SCHEMES

Irrigation

5040	PC-1 for Remaining Land Acquisition for GTC Project 15-18-31-023753 / Un-Approved / Khushab	7,200.000	0.000	90.000	0.000	90.000	2,910.000	2,300.000	1,900.000
5041	Construction of VR Bridge on Bupra minor district Gujranwala. 15-18-12-026217 / Un-Approved / Gujranwala	2.000	0.000	2.000	0.000	2.000	0.000	0.000	0.000
5042	Construction of Head Regulator of Sikhanwala Disty & Burhanwala Disty, along with lining of Chichoki Mallyan Disty, Ahmadpur & Easern Minor 15-18-21-024714 / Un-Approved / Sheikhpura	300.000	0.000	98.000	0.000	98.000	202.000	0.000	0.000
5043	Rehabilitation and up gradation of Islam Barrage 15-18-02-026186 / Un-Approved / Bahawalpur	4,000.000	0.000	5.000	0.000	5.000	2,005.000	1,990.000	0.000
5044	Completion of Schemes / Clearance of Liabilities of Un-funded Schemes for the year 2017-18 15-18-37-022303 / Un-Approved / Punjab	50.000	0.000	50.000	0.000	50.000	0.000	0.000	0.000
5045	Selective lining of Irrigation Channeles in Punjab Phase-IV 15-18-37-024327 / Un-Approved / Punjab	4,000.000	0.000	55.000	0.000	55.000	1,010.000	1,000.000	1,935.000

Irrigation

(PKR Million)

GS No	Scheme Information Scheme ID / Approval Date / Location	Est. Cost	Accum. Exp. June, 18	Provision for 2018-19			MTDF Projections		Throw fwd Beyond June, 2021
				Cap.	Rev.	G.Total (Cap.+Rev.)	2019-20	2020-21	
1	2	3	4	5	6	7	8	9	10
5046	Project Management Cost for Project Implementation Unit (PIU) for (FERRP & DCRIP) in Punjab Irrigation Department 15-18-37-024853 / Un-Approved / Punjab LO00000000 R	100.000	0.000	0.000	15.000	15.000	50.000	35.000	0.000
5047	Remodeling of BRBD Link Canal to Meet the Shortage of Canal Supply for Lahore and Kasur Divisions 15-18-38-020453 / Un-Approved / Gujranwala,Kasur,Lahore,Sheikhupura	1,000.000	0.000	15.000	0.000	15.000	505.000	480.000	0.000
Total: Irrigation		16,652.000	0.000	315.000	15.000	330.000	6,682.000	5,805.000	3,835.000

Flood Works

5048	Checking side erosion on right side of river Indus down stream Gajjani escape district DG Khan 15-18-04-026218 / Un-Approved / Dera Ghazi Khan	100.000	0.000	25.000	0.000	25.000	75.000	0.000	0.000
5049	Construction of Spur at Chorkin, District D. G. Khan 15-18-04-026221 / Un-Approved / Dera Ghazi Khan LO00000000 C	100.000	0.000	25.000	0.000	25.000	75.000	0.000	0.000
5050	Construction of Spur at Lalu Daira Shah, District D. G. Khan 15-18-04-026222 / Un-Approved / Dera Ghazi Khan LO00000000 C	100.000	0.000	25.000	0.000	25.000	75.000	0.000	0.000
5051	Protection of basti Jam Chandi from erosive action of river Indus (Chak Karya Creek) near Rojhan. 15-18-07-026219 / Un-Approved / Rajanpur	75.000	0.000	25.000	0.000	25.000	50.000	0.000	0.000
5052	National Flood Protection Program-IV (NFPP-IV) 15-18-37-025545 / Un-Approved / Punjab	101,093.000	0.000	25.000	0.000	25.000	1,000.000	1,000.000	99,068.000
5053	Disaster Risk Management works under NDRMF 15-18-37-025819 / Un-Approved / Punjab	24,567.000	0.000	85.000	0.000	85.000	1,045.000	1,000.000	22,437.000
Total: Flood Works		126,035.000	0.000	210.000	0.000	210.000	2,320.000	2,000.000	121,505.000

Drainage

5054	Construction of V.R Bridge at RD 185+400 of Jandwala Drain 15-18-01-024793 / Un-Approved / Bahawalnagar	2.000	0.000	2.000	0.000	2.000	0.000	0.000	0.000
Total: Drainage		2.000	0.000	2.000	0.000	2.000	0.000	0.000	0.000

Buildings

5055	Construction of Igloo at Rakh Arbi for Storage of Explosive Material 15-18-24-024713 / Un-Approved / Multan	50.000	0.000	20.000	0.000	20.000	30.000	0.000	0.000
Total: Buildings		50.000	0.000	20.000	0.000	20.000	30.000	0.000	0.000

Irrigation

(PKR Million)

GS No	Scheme Information Scheme ID / Approval Date / Location	Est. Cost	Accum. Exp. June, 18	Provision for 2018-19			MTDF Projections		Throw fwd Beyond June, 2021
				Cap.	Rev.	G.Total (Cap.+Rev.)	2019-20	2020-21	
1	2	3	4	5	6	7	8	9	10

Survey Investigation & Research

5056	Capacity Development Technical Assistance for Institutional Transformation 15-18-19-022158 / Un-Approved / Lahore	260.000	0.000	0.000	15.000	15.000	155.000	90.000	0.000
5057	Project Readiness Financing Facility for Punjab Water Resources Management 15-18-37-022167 / Un-Approved / Punjab	1,250.000	0.000	52.290	0.000	52.290	567.710	630.000	0.000
5058	Hiring of Design Review, Monitoring, Reporting and Construction Supervision Consultants for Mega Irrigation Projects in Irrigation Department 15-18-37-024595 / Un-Approved / Punjab	300.000	0.000	44.000	0.000	44.000	166.000	90.000	0.000
Total: Survey Investigation & Research		1,810.000	0.000	96.290	15.000	111.290	888.710	810.000	0.000

PPP

5059	Construction of Dadocha Dam, Rawalpindi 15-18-29-026099 / Un-Approved / Rawalpindi	1.000	0.000	1.000	0.000	1.000	0.000	0.000	0.000
Total: PPP		1.000	0.000	1.000	0.000	1.000	0.000	0.000	0.000

Total: NEW SCHEMES		144,550.000	0.000	644.290	30.000	674.290	9,920.710	8,615.000	125,340.000
Grand Total		405,492.631	123,504.344	19,356.540	143.460	19,500.000	54,990.531	35,903.132	167,161.087