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# IRRIGATION

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## **IRRIGATION**

Irrigation sector under province's medium term development framework covers the programs and projects relating to the irrigation, drainage, groundwater, flood management & mitigation, development of small dams, energy and environment, sub sectors.

### **VISION**

Long term vision for Punjab 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.

### **SECTOR OVERVIEW**

Irrigated agriculture is the major determinant of economic growth potential of the province as it accounts for 26 percent of the GDP and caters for over 40 percent of the province's work force. Over 90 percent 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 is serving 21 million acres (8.4 million hectare) cultivable command area with cropping intensities generally exceeding 120 percent. 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 (O&M) maintenance 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 need is Rs. 170 billion. Consequently, development in the sector needs to enshrine rehabilitation, improvement and modernization of infrastructure coupled with holistic reforms aiming at integrity and sustainability of the system through improved management and service delivery levels.

## **ISSUES AND OPTIONS**

Key issues of Punjab's irrigation sector are:-

- Growing water shortages, which are further worsened in periods of drought.
- The 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.
- Gaps in meeting financial sustainability of the system owing to low recovery of *abiana*, inefficient operational regimes, and low M&R funding.
- Non-transparent water entitlements and distribution.
- Lack of participatory approach in operations, maintenance and management of irrigation services leading to inefficiencies, inequities and lack of ownership by users.
- Imprudent and inefficient utilization and management of groundwater.

## **KEY STRATEGIES FOR IRRIGATION SECTOR MTFD (2011-14)**

Key strategies underpinning the sector's development outlay under province's MTFD (2011-12 to 2013-14) 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.
- Develop renewable energy resource base through installation of low-head hydel stations on canal falls in both public and private sectors.
- Extend and improve drainage, flood protection, hill torrent management and command area development interventions in reverine and rain-fed (barani) areas.

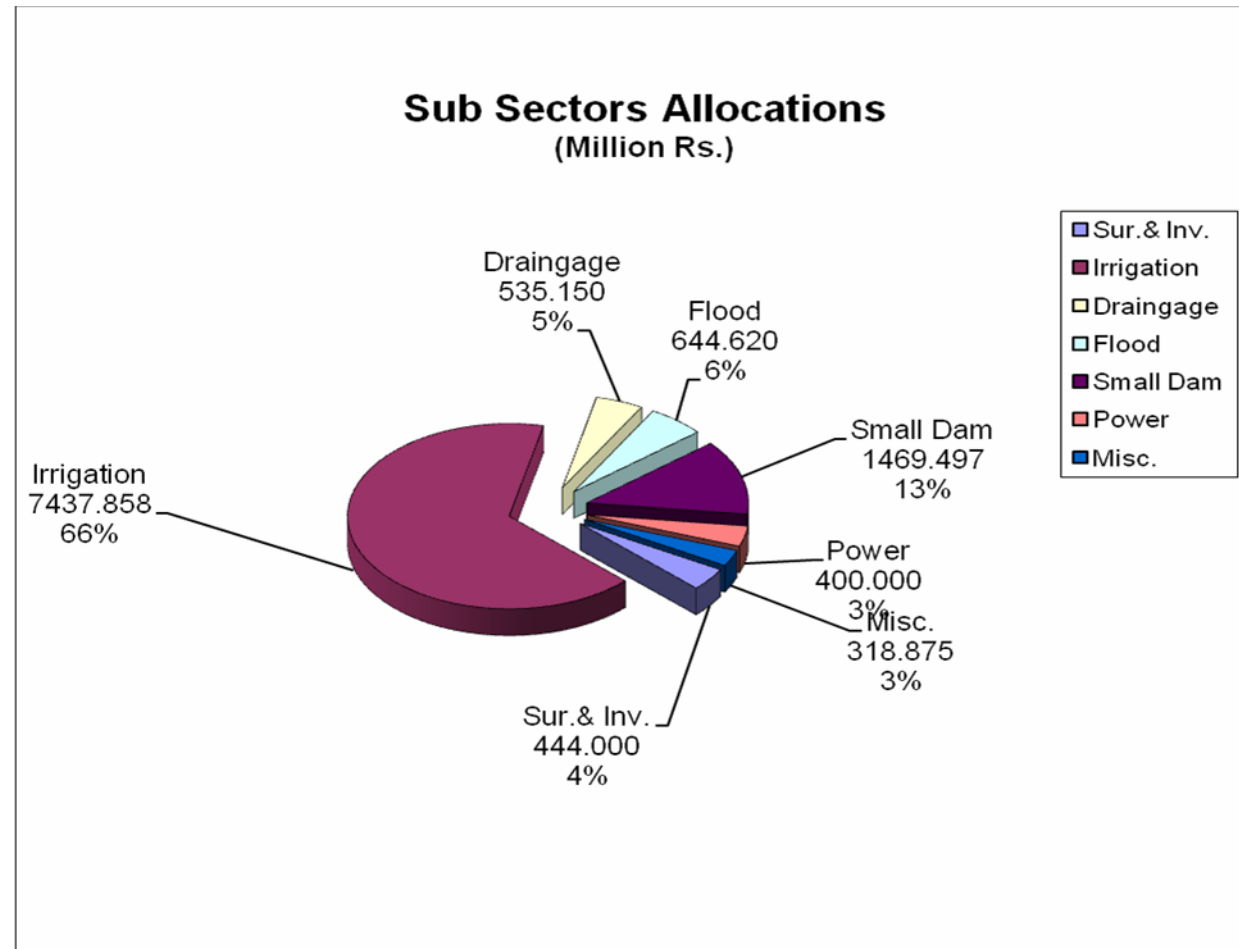
#### TREND OF ALLOCATIONS

(Rs.in million)

Year	Original Allocation	Revised Allocation
2007-08	11,000	9,761
2008-09	11,300	9,396
2009-10	10,000	9,423
2010-11	11,005	7,755
2011-12		11,250

#### SALIENT FEATURES OF SECTOR'S MTDF (2011-14)

Irrigation sector's total outlay for the year 2011-12 is planned as Rs.11.25 billion. These allocations show no increase and constitute about 7.4 % of the core ADP (2011-12) budget under the MTDF 2011-14. Project outlays for the sector in years 2012-13 and 2013-14 are Rs.11.925 billion and Rs.12.650 billion respectively. Out of the total 63 schemes included in ADP 2011-12, 27 schemes comprising 19 on-going and 8 new schemes have been targeted for completion during 2011-12 by allocating 77% of outlay to the on-going and 23% to new schemes.



Government of the Punjab being cognizant to safety of major hydraulic structures for sustained supply of canal water to crops and mitigation of flood hazards has planned efficient remodelling of its irrigation network besides envisioning a phased rehabilitation and modernization of barrages. As first of the programmatic series, rehabilitation of Taunsa Barrage was completed in December 2009. Present ADP (i.e., 2011-12) includes rehabilitation of Jinnah Barrage, Khanki and Balloki Headworks with estimated costs of Rs.12.7

billion, Rs. 23.4 billion and Rs. 2.4 billion respectively. Substantial allocations have been provided in current fiscal year to launch execution of these important projects including commencement of construction of subsidiary weir at Jinnah barrage and undertaking preparatory works at Balloki headwork. Major targets for other key initiatives in the sector are given below:-

#### MTDF TARGETS FOR FINANCIAL YEAR 2011-12

Sectoral Initiatives	Targets (FY 2011-12)
Assured and sustainable irrigation supplies	10 million acre
Selective lining of irrigation channels	50 km
Lower Bari Doab Canal Improvement Project	(a): Balloki Headworks (b): Main canal and distribution network (Jandraka & 15-L)
Punjab Irrigated Agriculture Improvement Program (PIAP)	Feasibility studies and design of: (a) Suleimanki, Trimmu and Punjnad Barrages, and (b) Thal and Pakpattan canal commands
Rehabilitation of LCC System (Part-B)	Mian Ali, Lower Gugera, Burala and Rakh Branch canal commands
Establishing FOs in Faisalabad (LCC), Bahawalnagar (Sadiqia & Fordwah) and DG Khan (DGK) canal commands	192 No
Construction of Small Dams:	
<ul style="list-style-type: none"> <li>Dhok Hum, Mundi, Dhok Jhang, Uthwal in district Chakwal</li> </ul>	6,200 acre command area
<ul style="list-style-type: none"> <li>Shahbazpur, Taja Bara,</li> </ul>	9,720 acre command area

Sadrial and Haji Shah Dams in district Attock	
Construction of Cherah Dam (Rawalpindi – Islamabad)	Land acquisition completed, construction of main dam to commence
ADB-assisted Renewable Energy Development Sector Investment Program (REDSIP) - Five hydel power projects (25MW combined) at Pakpattan, Okara (LBDC), Deg-outfall, Chianwali and Marala	Evaluation of bids completed. Award of LOIs to take place. Acquisition of land.
Rehabilitation & Modernization of Jinnah Barrage	i) Deployment of consultants & counterpart staff ii) Construction of coffer dam iii) Works on main and subsidiary Weir to commence.
New Khanki Barrage Construction Project	Deployment of Consultants & counterpart staff
Punjab Irrigation System Improvement Project.	Lining and remodelling of distributaries and minors in Sadiqia, DG Khan and Jhang Branch canal commands
Remodelling of SMB Link Canal and Enhancing Capacity of Mailsi Syphon	Detailed designing and launching of preparatory activities
Management of Vidore Hill Torrent in DG Khan Irrigation Zone	i. Embankment construction ii. Flood dispersion and distribution structures

**MTDF 2011-14**  
**Irrigation: Summary**  
**Development Programme 2011-12**

*Million Rs*

Sub Sector	Ongoing Programme					New Programme					Total				
	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total
Survey, Investigation & Research	70.000	25.000	<b>95.000</b>	0.000	<b>95.000</b>	221.000	0.000	<b>221.000</b>	0.000	<b>221.000</b>	291.000	25.000	<b>316.000</b>	0.000	<b>316.000</b>
Irrigation	1,456.858	0.000	<b>1,456.858</b>	0.000	<b>1,456.858</b>	901.000	0.000	<b>901.000</b>	0.000	<b>901.000</b>	2,357.858	0.000	<b>2,357.858</b>	0.000	<b>2,357.858</b>
Drainage & Recalamation	535.150	0.000	<b>535.150</b>	0.000	<b>535.150</b>	0.000	0.000	<b>0.000</b>	0.000	<b>0.000</b>	535.150	0.000	<b>535.150</b>	0.000	<b>535.150</b>
Flood Works	509.620	0.000	<b>509.620</b>	0.000	<b>509.620</b>	135.000	0.000	<b>135.000</b>	0.000	<b>135.000</b>	644.620	0.000	<b>644.620</b>	0.000	<b>644.620</b>
Small Dams	674.497	0.000	<b>674.497</b>	0.000	<b>674.497</b>	45.000	0.000	<b>45.000</b>	0.000	<b>45.000</b>	719.497	0.000	<b>719.497</b>	0.000	<b>719.497</b>
Buildings	20.505	0.000	<b>20.505</b>	0.000	<b>20.505</b>	0.000	0.000	<b>0.000</b>	0.000	<b>0.000</b>	20.505	0.000	<b>20.505</b>	0.000	<b>20.505</b>
Misc. Works	20.370	50.000	<b>70.370</b>	0.000	<b>70.370</b>	228.000	0.000	<b>228.000</b>	0.000	<b>228.000</b>	248.370	50.000	<b>298.370</b>	0.000	<b>298.370</b>
Foreign Aided Project	740.000	164.900	<b>904.900</b>	4,430.100	<b>5,335.000</b>	5.000	0.000	<b>5.000</b>	43.000	<b>48.000</b>	745.000	164.900	<b>909.900</b>	4,473.100	<b>5,383.000</b>
Block Allocation	0.000	0.000	<b>0.000</b>	0.000	<b>0.000</b>	975.000	0.000	<b>975.000</b>	0.000	<b>975.000</b>	975.000	0.000	<b>975.000</b>	0.000	<b>975.000</b>
<b>Total</b>	<b>4,027.000</b>	<b>239.900</b>	<b>4,266.900</b>	<b>4,430.100</b>	<b>8,697.000</b>	<b>1,535.000</b>	<b>0.000</b>	<b>2,510.000</b>	<b>43.000</b>	<b>2,553.000</b>	<b>6,537.000</b>	<b>239.900</b>	<b>6,776.900</b>	<b>4,473.100</b>	<b>11,250.000</b>
<b>No. of Schemes</b>	<b>43</b>					<b>20</b>					<b>63</b>				

**Development Programme 2012-13**

Sub Sector	Ongoing Programme					New Programme					Total				
	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total
Survey, Investigation & Research	70.000	25.000	<b>95.000</b>	0.000	<b>95.000</b>	10.000	2.530	<b>12.530</b>	0.000	<b>12.530</b>	80.000	27.530	<b>107.530</b>	0.000	<b>107.530</b>
Irrigation	1,300.000	0.000	<b>1,300.000</b>	0.000	<b>1,300.000</b>	668.000	0.000	<b>668.000</b>	0.000	<b>668.000</b>	1,968.000	0.000	<b>1,968.000</b>	0.000	<b>1,968.000</b>
Drainage & Recalamation	600.000	0.000	<b>600.000</b>	0.000	<b>600.000</b>	109.470	0.000	<b>109.470</b>	0.000	<b>109.470</b>	709.470	0.000	<b>709.470</b>	0.000	<b>709.470</b>
Flood Works	800.000	0.000	<b>800.000</b>	0.000	<b>800.000</b>	272.000	0.000	<b>272.000</b>	0.000	<b>272.000</b>	1,072.000	0.000	<b>1,072.000</b>	0.000	<b>1,072.000</b>
Small Dams	200.000	0.000	<b>200.000</b>	0.000	<b>200.000</b>	52.000	0.000	<b>52.000</b>	0.000	<b>52.000</b>	252.000	0.000	<b>252.000</b>	0.000	<b>252.000</b>



<b>Misc. Works</b>	700.000	50.000	<b>750.000</b>	0.000	<b>750.000</b>	100.000	35.500	<b>135.500</b>	0.000	<b>135.500</b>	800.000	85.500	<b>885.500</b>	0.000	<b>885.500</b>
<b>Foreign Aided Project</b>	1,200.000	100.000	<b>1,300.000</b>	4,675.000	<b>5,975.000</b>	150.000	20.000	<b>170.000</b>	785.500	<b>955.500</b>	1,350.000	120.000	<b>1,470.000</b>	5,460.500	<b>6,930.500</b>
<b>Total</b>	<b>4,870.000</b>	<b>175.000</b>	<b>5,045.000</b>	<b>4,675.000</b>	<b>9,720.000</b>	<b>1,361.470</b>	<b>58.030</b>	<b>1,419.500</b>	<b>785.500</b>	<b>2,205.000</b>	<b>6,231.470</b>	<b>233.030</b>	<b>6,464.500</b>	<b>5,460.500</b>	<b>11,925.000</b>

**Development Programme 2013-14**

Sub Sector	Ongoing Programme					New Programme					Total				
	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total
<b>Survey, Investigation &amp; Research</b>	70.000	10.000	<b>80.000</b>	0.000	<b>80.000</b>	10.000	10.000	<b>20.000</b>	0.000	<b>20.000</b>	80.000	20.000	<b>100.000</b>	0.000	<b>100.000</b>
<b>Irrigation</b>	1,235.000	0.000	<b>1,235.000</b>	0.000	<b>1,235.000</b>	585.000	0.000	<b>585.000</b>	0.000	<b>585.000</b>	1,820.000	0.000	<b>1,820.000</b>	0.000	<b>1,820.000</b>
<b>Drainage &amp; Recalamation</b>	220.000	0.000	<b>220.000</b>	0.000	<b>220.000</b>	44.000	0.000	<b>44.000</b>	0.000	<b>44.000</b>	264.000	0.000	<b>264.000</b>	0.000	<b>264.000</b>
<b>Flood Works</b>	600.000	0.000	<b>600.000</b>	0.000	<b>600.000</b>	85.000	0.000	<b>85.000</b>	0.000	<b>85.000</b>	685.000	0.000	<b>685.000</b>	0.000	<b>685.000</b>
<b>Small Dams</b>	200.000	0.000	<b>200.000</b>	0.000	<b>200.000</b>	30.000	0.000	<b>30.000</b>	0.000	<b>30.000</b>	230.000	0.000	<b>230.000</b>	0.000	<b>230.000</b>
<b>Misc. Works</b>	50.000	0.000	<b>50.000</b>	0.000	<b>50.000</b>	0.000	0.000	<b>0.000</b>	0.000	<b>0.000</b>	50.000	0.000	<b>50.000</b>	0.000	<b>50.000</b>
<b>Foreign Aided Project</b>	1,500.000	100.000	<b>1,600.000</b>	6,901.000	<b>8,501.000</b>	150.000	20.000	<b>170.000</b>	830.000	<b>1,000.000</b>	1,650.000	120.000	<b>1,770.000</b>	7,731.000	<b>9,501.000</b>
<b>Total</b>	<b>3,875.000</b>	<b>110.000</b>	<b>3,985.000</b>	<b>6,901.000</b>	<b>10,886.000</b>	<b>904.000</b>	<b>30.000</b>	<b>934.000</b>	<b>830.000</b>	<b>1,764.000</b>	<b>4,779.000</b>	<b>140.000</b>	<b>4,919.000</b>	<b>7,731.000</b>	<b>12,650.000</b>
<b>IRRIGATION MTFD 2011-14: GRAND TOTAL</b>															<b>35,825.000</b>

## IRRIGATION: SUMMARY

(Rs. in million)

Type / Sub Sector	No. of Schemes	Provision for 2011-12						G. Total (Cap+Rev)	Projection for 2012-13	Projection for 2013-14
		Local		Foreign Aid		Total				
		Capital	Revenue	Capital	Revenue	Capital	Revenue			
<b><u>ON-GOING SCHEMES</u></b>										
Survey Investigation & Research	2	70.000	25.000	0.000	0.000	70.000	25.000	95.000	106.530	0.000
Irrigation	16	1,456.858	0.000	0.000	0.000	1,456.858	0.000	1,456.858	918.000	827.000
Drainage	6	537.150	0.000	0.000	0.000	537.150	0.000	537.150	709.470	264.000
Flood Works	4	509.620	0.000	0.000	0.000	509.620	0.000	509.620	872.000	303.000
Small Dams	5	674.497	0.000	0.000	0.000	674.497	0.000	674.497	252.000	230.000
Buildings	1	20.505	0.000	0.000	0.000	20.505	0.000	20.505	0.000	0.000
Miscellaneous	2	20.370	50.000	0.000	0.000	20.370	50.000	70.370	213.500	50.000
Foreign Aided Projects	7	738.000	164.900	4,311.000	119.100	5,049.000	284.000	5,333.000	6,430.500	8,501.000
<b>Total: ON-GOING SCHEMES</b>	<b>43</b>	<b>4,027.000</b>	<b>239.900</b>	<b>4,311.000</b>	<b>119.100</b>	<b>8,338.000</b>	<b>359.000</b>	<b>8,697.000</b>	<b>9,502.000</b>	<b>10,175.000</b>
<b><u>NEW SCHEMES</u></b>										
Survey Investigation & Research	4	221.000	0.000	0.000	0.000	221.000	0.000	221.000	1.000	1.000
Irrigation	9	901.000	0.000	0.000	0.000	901.000	0.000	901.000	1,050.000	1,092.000
Flood Works	1	135.000	0.000	0.000	0.000	135.000	0.000	135.000	200.000	382.000
Small Dams	1	45.000	0.000	0.000	0.000	45.000	0.000	45.000	0.000	0.000
Miscellaneous work	1	228.000	0.000	0.000	0.000	228.000	0.000	228.000	672.000	0.000
Foreign Aided Projects	1	5.000	0.000	43.000	0.000	48.000	0.000	48.000	500.000	1,000.000
Block Allocation	3	975.000	0.000	0.000	0.000	975.000	0.000	975.000	0.000	0.000
<b>Total: NEW SCHEMES</b>	<b>20</b>	<b>2,510.000</b>	<b>0.000</b>	<b>43.000</b>	<b>0.000</b>	<b>2,553.000</b>	<b>0.000</b>	<b>2,553.000</b>	<b>2,423.000</b>	<b>2,475.000</b>
<b>Grand Total</b>	<b>63</b>	<b>6,537.000</b>	<b>239.900</b>	<b>4,354.000</b>	<b>119.100</b>	<b>10,891.000</b>	<b>359.000</b>	<b>11,250.000</b>	<b>11,925.000</b>	<b>12,650.000</b>

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014	
						Local		Foreign Aid		Total					G. Total (Cap+Rev)
			F. Aid	Total		Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

### ON-GOING SCHEMES

#### Survey Investigation & Research

1313	1	Name of the Scheme	Hiring of Consultancy Services for Monitoring of Projects under Provincial Development Program	0.000	276.339	131.244	70.000	0.000	0.000	0.000	70.000	0.000	70.000	75.000	0.000	0.000
		Approval Date	Approved 28.01.09													
		Major Components	Hiring of consultancy services for projects costing above Rs.100Million under Provincial ADP													
		Major Targets	Hiring of consultancy services for Provincial ADP Projects													
		District and Tehsil	Lahore													

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1314	2	<p>Name of the Scheme    Establishment of Strategic Planning/Reform Unit in Irrigation and Power Department (Initiatives under Development Policy Loan-Strategic Planning Cell, Ground Water Management Environment Improvement, Institutional Reforms and Communication Strategization, etc.)</p> <p>Approval Date        Approved 28.06.06, 11-10-06, 06-01-10</p> <p>Major Components    To meet the objective of integrated water resources management &amp; broad base institutional reforms under Development Policy Loan.Setting up of Strategic Planning Cell, Ground Water Management, Environment Improvement, Institutional Reforms, Communication Strategization, etc. &amp; PMO Re-established in SPRU Office for monitoring of mega irrigation projects: 1. Irrigation System Rehabilitation Project, Punjab (ISRP) (under PSDP) 2. Lining of Channels (Distys &amp; Minors) in Punjab (under PSDP) 3. Projects under Annual Development Programme, Punjab (under ADP)</p> <p>Major Targets        Setting up of Units of Ground Water Management, Environment Improvement, Institutional Reforms, Communication Strategization, etc. &amp; Monitoring of mega irrigation projects: 1. ISRP (14 No. on-going &amp; further new sub-projects) 2. PSDP Lining (17 No. on-going &amp; further new sub-projects) 3. ADP (20 No. on-going &amp; further new projects)</p> <p>District and Tehsil    Punjab</p>	0.000	121.301	64.773	0.000	25.000	0.000	0.000	0.000	25.000	25.000	31.530	0.000	0.000
<b>Sub-Total: Survey Investigation &amp; Research</b>			<b>0.000</b>	<b>397.640</b>	<b>196.017</b>	<b>70.000</b>	<b>25.000</b>	<b>0.000</b>	<b>0.000</b>	<b>70.000</b>	<b>25.000</b>	<b>95.000</b>	<b>106.530</b>	<b>0.000</b>	<b>0.000</b>

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

### Irrigation

1315	3	Name of the Scheme	Rehabilitation of Jhang Branch Upper	0.000	889.929	294.000	100.000	0.000	0.000	0.000	100.000	0.000	100.000	200.000	296.000	0.000
		Approval Date	Approved 8.8.2009													
		Major Components	To ensure sustainable supply to 0.87 MA CCA i. Rehabilitation of irrigation channels 62 mile. ii. Rehab of Structures 27 iii. Construction of cattle bath 19													
		Major Targets	ii. Rehabilitation of irrigation channels 6 mile. iii. Rehab of Structures 20 iii. Construction of cattle bath 2													
		District and Tehsil	Jhang													
1316	4	Name of the Scheme	Rehabilitation of Bhowana Branch	0.000	272.129	217.816	54.310	0.000	0.000	0.000	54.310	0.000	54.310	0.000	0.000	0.000
		Approval Date	Approved 8.8.2009													
		Major Components	To ensure sustainable supply to 0.155 m cca i. Rehabilitation of irrigation channels 7.5 mile ii. Rehab of structures 7. iii. Lining of channel 4 mile													
		Major Targets	i. Rehabilitation of irrigation channels 2 mile. ii. Rehab of structures 2 iii. Lining of channel 4 mile													
		District and Tehsil	Jhang													
1317	5	Name of the Scheme	Widening of 3 No Foot Bridges on UJC at: i. RD 264+950 ii. RD 293+105 iii. RD 390+650	0.000	15.302	2.500	12.800	0.000	0.000	0.000	12.800	0.000	12.800	0.000	0.000	0.000
		Approval Date	Approved 10.03.2011													
		Major Components	Widening of 3 No Foot Bridges. In order to facilitate in inhabitants of the area / villages situated along this major canal, so that they may be able to move agriculture machinery and public services transport to either side of the canal, Widening of these foot bridges will be executed													
		Major Targets	Earth Work, Stone Work, Concrete Work, Steel Work, Brick Work													
		District and Tehsil	Gujrat													

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014		
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)	
						Cap	Rev	Cap	Rev	Cap	Rev					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1318	6	Name of the Scheme	Rehabilitation of BRBD Link Canal RD 178+000 to 260+000	0.000	418.000	100.000	100.000	0.000	0.000	0.000	100.000	0.000	100.000	218.000	0.000	0.000
		Approval Date	Approved 8.8.2009													
		Major Components	Sustainable canal supply for 14,19,521 acre area in District Lahore & Kasur ii) Safety of Channel in high filling and protection of abady along canal.Repair of earthen banks i.Stone pitching 82000 lft on both sides of the canal in high fillingConstruction of 12 . cattle bath stationsConstruction of catch water drain & retaining wall Repair of fall & bridge structures.													
		Major Targets	.i.Stone pitching 12000 lft on both sides of the canal in high fillingii.Construction of catch water drain & retaining wall ii. Repair of fall & bridge structures.													
		District and Tehsil	Sheikhupura , Ferozwala													
1319	7	Name of the Scheme	Rehabilitation of Multan Branch from RD: 0 to 97+980 (Tail)	0.000	126.980	90.714	36.265	0.000	0.000	0.000	36.265	0.000	36.265	0.000	0.000	0.000
		Approval Date	Approved 18.7.2009													
		Major Components	to provide sustainable irrigation supplies and to save the Multan City Earth work ,Brick Work.Brick Lining , PlastarConcrete , Fabrication of MS bars													
		Major Targets	Earth work ,Brick Work.Brick Lining , PlastarConcrete , Fabrication of MS bars													
		District and Tehsil	Multan													
1320	8	Name of the Scheme	Construction of Gujrat Disty and Salman Minor to Mitigate Tail Shortage in Basira Sub Division	0.000	134.790	77.459	57.330	0.000	0.000	0.000	57.330	0.000	57.330	0.000	0.000	0.000
		Approval Date	Approved 17.09.2009													
		Major Components	To ensure sustainable supply to a CCA of 9440 acres by constructing new channels having length 23000ft (i) Bridge-1(ii) Head Regulators-2 (iii) Acqueduct-2 (iv) Raising Muzaffargarh Canal RD 177-000 to 206-700													
		Major Targets	Raising Muzaffargarh Canal RD 177-000 to 206-700													
		District and Tehsil	Muzaffargarh , Kot Addu													

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1321	9	Name of the Scheme	0.000	548.900	397.312	151.590	0.000	0.000	0.000	151.590	0.000	151.590	0.000	0.000	0.000
		Rehabilitation of Bahawalpur Disty System and direct off-takes of Lower Bahawal Canal.													
		Approval Date													
		Approved 06-11-07													
		Major Components													
		To ensure sustainable irrigation for an area of 0.067 M acres. Rehabilitation of irrigation channels 75 km.ii.Rehab of hydraulic structures 10iii.Rehab of bridges 10													
		Major Targets													
		i. Rehabilitation of irrigation channels 20 km.ii.Rehab of hydraulic structures 5 iii.Rehab of bridges 5													
		District and Tehsil													
		Bahawalpur , BWP													
1322	10	Name of the Scheme	0.000	246.365	88.365	58.000	0.000	0.000	0.000	58.000	0.000	58.000	100.000	0.000	0.000
		Rehabilitation of 6-L/Ahmedpur (AP)Branch													
		Approval Date													
		Approved 8.8.2009													
		Major Components													
		To improve supply at tails2. To ensure equitable distribution3. To reduce chances of breaches a Earth work , b. Brick Work.Brick Lining , c. Plaster concrete , d. Fabrication of MS bars													
		Major Targets													
		a Earth work , b. Brick Work.Brick Lining , c. Plaster concrete , d. Fabrication of MS bars													
		District and Tehsil													
		Bahawalpur , Ahmedpur													
1323	11	Name of the Scheme	0.000	117.821	29.820	88.001	0.000	0.000	0.000	88.001	0.000	88.001	0.000	0.000	0.000
		Construction of System Storage Ponds in Cholistan (Pilot Project)													
		Approval Date													
		Approved													
		Major Components													
		Pilot project for construction of water pondsat the head reach of each outlet on flood channel to provide flood water to the crops, drinking water and livestock consumption. Construction of two storage ponds.													
		Major Targets													
		Construction of two storage ponds.													
		District and Tehsil													
		Rahim Yar Khan , Khanpur													

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014		
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)	
						Cap	Rev	Cap	Rev	Cap	Rev					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1324	12	Name of the Scheme	Remodeling of Behari Disty RD 0-54860 with System.	0.000	492.550	95.110	50.000	0.000	0.000	0.000	50.000	0.000	50.000	200.000	111.000	39.882
		Approval Date	Approved Revised 08.11.08													
		Major Components	To ensure sustainable irrigation facilities for an irrigated area of 92830 acres.i. Rehabilitation of irrigation channels 75 km.ii. Rehab of structures 56													
		Major Targets	i. Rehabilitation of irrigation channels 30 km.ii. Rehab of structures 25 No.													
		District and Tehsil	Rahim Yar Khan , Khanpur													
1325	13	Name of the Scheme	Rehabilitation of Bhong Disty System	0.000	273.355	105.123	168.230	0.000	0.000	0.000	168.230	0.000	168.230	0.000	0.000	0.000
		Approval Date	Approved 8.8.2009													
		Major Components	To improve supply at tails To ensure equitable distribution To reduce chances of breaches Earth work Brick Work.Brick Lining Plaster concrete Fabrication of MS bars													
		Major Targets	Brick Work.Brick Lining , PlasterConcrete , Fabrication of MS bars													
		District and Tehsil	Rahim Yar Khan , Sadiqabad													
1326	14	Name of the Scheme	Rehabilitation of Azim Disty	0.000	164.467	59.280	105.187	0.000	0.000	0.000	105.187	0.000	105.187	0.000	0.000	1.421
		Approval Date	Approved 8.8.2009													
		Major Components	1. To improve supply at tails2. To ensure equitable distribution3. To reduce chances of breaches Earth work , Brick Work.Brick Lining , PlasterConcrete , Fabrication of MS bars													
		Major Targets	Earth work , Brick Work.Brick Lining , PlasterConcrete , Fabrication of MS													
		District and Tehsil	Bahawalnagar,Bahawalpur , ChishtianHasilpur													



## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1327	15	Name of the Scheme Selective Lining of Irrigation Channels in Punjab Phase-II  Approval Date Approved 8.8.2009 Major Components Improving conveyance of irrigation water facilitating the farmers for better irrigation. Concrete lining 200 miles Major Targets Concrete Lining 30 miles. District and Tehsil Punjab	0.000	990.000	71.236	198.000	0.000	0.000	0.000	198.000	0.000	198.000	200.000	420.000	0.000
1328	16	Name of the Scheme Mohar Lift Irrigation Scheme 'B' Off-taking at RD 201700/L Mohajir Branch.  Approval Date 26.01.04 Under Revision Major Components To irrigate new 0.020 acres of barani area. Construction of: i. New irrigation channels 31 km. ii. Sump tank, delivery tank & pump houses. iii. 3000 sft buildings. iv. Bridges 22 No., Hd. regulator 1 No. & H/T crossings 45 No. b. Procurement of pumping machinery. c. Installation of H.T cables. d. Repair of flood damages. Major Targets i. Land acquisition, ii. Construction of feeder channel, iii. Construction of 2 Nos pump houses District and Tehsil Mianwali, Khushab, Qaidabad-Khushab	0.000	141.600	138.264	3.335	0.000	0.000	0.000	3.335	0.000	3.335	0.000	0.000	0.000
1329	17	Name of the Scheme Remodeling of SMB Link RD. 0-374983 Tail and Bahawal Canal Lower from RD. 152-239580  Approval Date Approved 23.08.06 Major Components To improve irrigation supplies for 0.8 Million acres of Bahawalpur district. i. Raising & strengthening of banks 148 km. ii. Structures 6 No. iii. Raising brick lining 111.5 km. iv. Stone pitching 1.5 km Major Targets i. Raising brick lining ii. Remodelling bridges District and Tehsil Bahawalpur, Lodhran, Khanewal, Vehari, Mailsi Khairpur Tamewali	0.000	745.896	583.999	162.000	0.000	0.000	0.000	162.000	0.000	162.000	0.000	0.000	0.000

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1330	18	Name of the Scheme Rehabilitation of Irrigation Channels in the Areas of Farmers Organizations. Phase-I  Approval Date Approved 28.02.07 Major Components To transfer operation & maintenance of irrigation channels to the local communities/farmer organizations.Rehabilitation of irrigation channels 200 km. Major Targets Rehabilitation of irrigation channels 150 km. District and Tehsil Punjab	0.000	269.100	157.288	111.810	0.000	0.000	0.000	111.810	0.000	111.810	0.000	0.000	0.000
<b>Sub-Total: Irrigation</b>			<b>0.000</b>	<b>5,847.184</b>	<b>2,508.286</b>	<b>1,456.858</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1,456.858</b>	<b>0.000</b>	<b>1,456.858</b>	<b>918.000</b>	<b>827.000</b>	<b>41.303</b>
<b>Drainage</b>															
1331	19	Name of the Scheme Remodeling of Mona Drainage System  Approval Date Approved 8.8.2009 Major Components To improve Drainage facilities for an area of 25 sq kmConstruction of new drains 12 kmConstruction of 14 No bridgesConstruction of 22 No inlets & 1 No siphonLand acquisition 50 acres Major Targets Land AcquisitionConstruction of 5 No bridgesConstruction of 6 Km drain District and Tehsil Sargodha , Sargodha& Bhalwal	0.000	177.521	17.500	20.000	0.000	0.000	0.000	20.000	0.000	20.000	140.000	0.000	0.000

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014		
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)	
						Cap	Rev	Cap	Rev	Cap	Rev					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1332	20	Name of the Scheme	Enhancing Capacity of Charar Drain to Catter for Rain Water of Ringroad	0.000	250.154	35.000	215.150	0.000	0.000	0.000	215.150	0.000	215.150	0.000	0.000	0.000
		Approval Date	Approved 10.11.2010													
		Major Components	Efficient disposal of rain water of Ringroad and its catchment. Remodelling of drain in 12 miles.ii. 20 V.R bridges and allied structure.iii. Remodelling of outfall structure.													
		Major Targets	i. Remodelling of drain in 4 miles ii. 5 V.R bridges and allied structure.iii. Remodelling of outfall structure.													
		District and Tehsil	Lahore													
1333	21	Name of the Scheme	Construction of Suknai Drain RD 610+000 to RD 1250+000.	0.000	882.680	368.990	52.000	0.000	0.000	0.000	52.000	0.000	52.000	200.000	214.000	50.000
		Approval Date	Approved Revised 12.02.09													
		Major Components	To improve drainage facilities for an area of 384 sq km Construction of new drains 192 km													
		Major Targets	Construction of new drain 80 km.													
		District and Tehsil	Sahiwal , Sahiwal Okara Depialpur Burewala													
1334	22	Name of the Scheme	Providing Drainage System within Command Area of 3-R Abbasia Canal.	0.000	314.602	176.470	100.000	0.000	0.000	0.000	100.000	0.000	100.000	38.000	0.000	0.000
		Approval Date	Approved 28.11.08													
		Major Components	To improve drainage facilities for an irrigated area of 0.26 M acres and reclaim 13500 acres waterlogged area. Construction of: i. New drains 52 km ii. Bridges 20 No. iii. Inlets 40 No. iv. W.C xings 40 No. v. Rehab of existing drains 20 km.													
		Major Targets	Construction of: i. New drains 20 km  ii. Bridges 10 No. iii. Inlets 10 No. iv. W.C xings 40 No.													
		District and Tehsil	Rahim Yar Khan , Liqatpur Khanpur													

## IRRIGATION

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			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1335	23	Name of the Scheme Rehabilitation of Drainage System in Faisalabad Irrigation Zone  Approval Date Approved 08-08-09 Major Components To improve drainage facilities for an area of 25 sq km Construction of new drains 12 km Construction of 14 No bridges Construction of 22 No inlets & 1 No siphon Land acquisition 50 acres Major Targets Land Acquisition Construction of 5 No bridges Construction of 6 Km drain District and Tehsil Faisalabad, Jhang, Sheikhpura, Toba Tek Singh, Faisalabad Sheikhpura Jhang T.T Singh	0.000	354.561	130.000	50.000	0.000	0.000	0.000	50.000	0.000	50.000	124.470	50.000	0.000
1336	24	Name of the Scheme Rehabilitation of Drainage System in Sargodha Irrigation Zone  Approval Date Approved 08-08-09 Major Components To improve drainage facilities for an area of 25 sq Km Construction of new drains 12 Km Construction of 14 No bridges Construction of 22 No inlets & 1 No siphon Land acquisition 50 acres Major Targets Land Acquisition Construction of 5 No bridges Construction of 6 Km drain District and Tehsil Sargodha, Gujrat, Mandi Bahauddin, Khushab, Mianwali, Sargodha Gujrat Jhelum M.B Din Khushab & Mianwali	0.000	324.487	17.500	100.000	0.000	0.000	0.000	100.000	0.000	100.000	207.000	0.000	0.000
<b>Sub-Total: Drainage</b>			<b>0.000</b>	<b>2,304.005</b>	<b>745.460</b>	<b>537.150</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>537.150</b>	<b>0.000</b>	<b>537.150</b>	<b>709.470</b>	<b>264.000</b>	<b>50.000</b>

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			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

### Flood Works

1337	25	Name of the Scheme	Rehabilitation of Naugran Flood Bund	0.000	129.620	120.000	9.620	0.000	0.000	0.000	9.620	0.000	9.620	0.000	0.000	0.000
		Approval Date	Approved 20.10.09													
		Major Components	To protect alarge no. of important village located on left bank of river Kahan D/S Mallot bridge i) Earthwork 13.69 Mcft ii) Stonework 2.91 Mcft iii)Concretework o.oo14 Mcft													
		Major Targets	i) Earthwork 1.000 Mcft ii) Stonework 0.50 Mcft													
		District and Tehsil	Jhelum													
1338	26	Name of the Scheme	Channelization of Aik Nullah and Improving Drainage System in Distt Sialkot	0.000	555.234	52.500	100.000	0.000	0.000	0.000	100.000	0.000	100.000	200.000	203.000	0.000
		Approval Date	Approved 30.09.2010													
		Major Components	Channellization of Aik Nullah													
		Major Targets	Channellization of Aik Nullah													
		District and Tehsil	Sialkot													
1339	27	Name of the Scheme	Management of Hill Torrent in CRBC Area (Stage-III) D.G.Khan	0.000	1,605.000	1,009.000	300.000	0.000	0.000	0.000	300.000	0.000	300.000	296.000	0.000	0.000
		Approval Date	Approved 12.11.07, AA 16-04-08													
		Major Components	To provide irrigation water supplies to 0.120 M acres of pachad area & protection of 0.045 M acres of 5No. Villages against H/T water.Construction of (i) Distributors =8No.(ii)Embankments=152.5 km.													
		Major Targets	Construction ofi. Distributors 5No.ii.Embankments 100miles.													
		District and Tehsil	Dera Ghazi Khan , Taunsa Sharif													

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			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)	
						Cap	Rev	Cap	Rev	Cap	Rev					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1340	28	Name of the Scheme Management of Hill Torrents in DG Khan Irrigation Zone Sori Lund, Vidore, Mithawan, Kaha and Chachar(Kaha Hill Torrents)  Approval Date Approved 08-08-09  Major Components To provide irrigation water supplies to 0.120 M acres of Pachad area & protection of 0.045 M acres of 5No. Villages against H/T water.Construction of (i) Distributors =8No.(ii)Embankments=152.5 KM.  Major Targets Construction ofi. Distributors 3No.ii.Embankments 33 miles.  District and Tehsil Dera Ghazi Khan,Rajanpur , DG KhanRajanpurJampur	0.000	716.577	140.000	100.000	0.000	0.000	0.000	0.000	100.000	0.000	100.000	376.000	100.000	0.000
<b>Sub-Total: Flood Works</b>			<b>0.000</b>	<b>3,006.431</b>	<b>1,321.500</b>	<b>509.620</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>509.620</b>	<b>0.000</b>	<b>509.620</b>	<b>872.000</b>	<b>303.000</b>	<b>0.000</b>	
<b>Small Dams</b>																
1341	29	Name of the Scheme Construciton of Cherah Dam Rawalpindi  Approval Date Approved 26-03-09  Major Components 50MGD water supply to Rawalpindi cityi. Land acquisition 6425 kanal ii. Shifting of infrastructure road 1 No. , houses 186 No. , poultry farm 28 No, common place 4 No., school 1 No.iii. Construction of building 5 No.iv. Construction of embankment 2 Nos. v. Construction of main damvi.Raw water conductance  Major Targets i. Shifting of infrastructure road 1 No. , houses 140 No. , poultry farm 12 No, common place 4 No., school 1 No.ii. Construction of building 05 No. iii. Construction of Embankment  District and Tehsil Rawalpindi	0.000	5,307.220	763.336	100.000	0.000	0.000	0.000	100.000	0.000	100.000	200.000	230.000	0.000	

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			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1342	30	Name of the Scheme Construction of Small Dams in Distt. Attock (Haji Shah Dam)  Approval Date Approved Revised 26.09.05  Major Components To bring 1520 acres of land under irrigation and to supply drinking water to nearby abadies.Main dam, spillway, coffer dam, outlet structure, inspection hut & irrigation channel  Major Targets Construction of i. Main dam 1 No.ii. Spillway 1 No.iii. Irrigation channel 7 km.  District and Tehsil Attock , Hazro	0.000	196.126	83.595	60.530	0.000	0.000	0.000	60.530	0.000	60.530	52.000	0.000	0.000
1343	31	Name of the Scheme Construction of Small Dams in District Attock Phase-II ( Shahbazpur, Tajabara and Sadrial Dam).  Approval Date Approved 19.11.07  Major Components To bring 8200 acres of land under irrigation and to supply drinking water to the nearby abadies.i. Main dam 3 No.ii. Spillway 3 No.iii. Coffor dam 3 No.iv. Outlet structuresv. Inspection hut 3 No.vi. Irrigation channel 4  Major Targets i. Main dam 2 Nos. ii. Spillway 2 Nos. iii. Irrigation Channel 3 Nos.  District and Tehsil Attock	0.000	404.376	283.328	121.050	0.000	0.000	0.000	121.050	0.000	121.050	0.000	0.000	0.000
1344	32	Name of the Scheme Construction of Small Dams in Distt. Ckakwal Phase-II (Dhoke Hum, Mundee,Dhoke Jhang & Uthwal/Lakwal Dam).  Approval Date Approved  Major Components "To bring 3700 acres of land under irrigation and to supply drinking water to the nearby abadies.i. Main dam 4 No.ii. Spillway 4No.iii. Coffor dam4No.iv. Outlet structuresv. Inspection hut 4 No.vi. Irrigation channel 4 "  Major Targets Construction of i) Irrigation channels 4  District and Tehsil Chakwal	0.000	969.844	850.844	119.000	0.000	0.000	0.000	119.000	0.000	119.000	0.000	0.000	0.000

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			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1345	33	Name of the Scheme	0.000	423.747	148.777	273.917	0.000	0.000	0.000	273.917	0.000	273.917	0.000	0.000	0.000
		Rehabilitation and Improvement of Existing Dams and Irrigation Channels in Small Dams Organization													
		Approval Date													
		Approved 08-08-09													
		Major Components													
		Rehabilitation / repair of existing channels													
		Major Targets													
		Rehabilitation / Repair of 6 dams													
		District and Tehsil													
		Rawalpindi, Jhelum, Chakwal, Attock , Rawalpindi, Gujar Khan Jhelum, Chakwal, Attock, Hazro													
<b>Sub-Total: Small Dams</b>			<b>0.000</b>	<b>7,301.313</b>	<b>2,129.880</b>	<b>674.497</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>674.497</b>	<b>0.000</b>	<b>674.497</b>	<b>252.000</b>	<b>230.000</b>	<b>0.000</b>
<b>Buildings</b>															
1346	34	Name of the Scheme	0.000	38.977	18.472	20.505	0.000	0.000	0.000	20.505	0.000	20.505	0.000	0.000	0.000
		Improvement and Rehabilitation of Government Engineering Acadamy Complex													
		Approval Date													
		Approved													
		Major Components													
		Due to construction of fly over along the academy & to improve, update teching as well as accomodation facility of the academy according to the present requirements. i. Construction / Improvement road network & surroundings & installation of gate.II. Renovation, uplifting & protection of main buildingsiii. Purchase of equipments / machinery/ vehicles.IVProvision of parking facilitiesv. Electrification & sanitationvi. Improving, updating library & providing e- Library facilitiesvii. Construction of mosqueviii. Construction kitchen & tea hall in academic block.													
		Major Targets													
		i. Construction / Improvement Road Network & surroundings & installation of Gate.II. Renovation, uplifting & protection of Main Buildingsiii. Purchase of Equipments / Machinery/ Vehicles.IVProvision of parking facilities.													
		District and Tehsil													
		Lahore													
<b>Sub-Total: Buildings</b>			<b>0.000</b>	<b>38.977</b>	<b>18.472</b>	<b>20.505</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>20.505</b>	<b>0.000</b>	<b>20.505</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>



## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014		
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)	
						Cap	Rev	Cap	Rev	Cap	Rev					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
<b>Miscellaneous</b>																
1347	35	Name of the Scheme	Establishment of Farmers Organizations under Institutional Reforms.	0.000	537.820	224.235	0.000	50.000	0.000	0.000	0.000	50.000	50.000	213.500	50.000	0.000
		Approval Date	Approved 08.08.09													
		Major Components	To transfer operation & Maintenance of Irrigation channels to the local communities/Farmer Organizations.i. Establishing 300 Farmer Organizations.ii. Social mobilizationiii. Training.													
		Major Targets	i. Establishing 100 Farmer organizations.ii. Social mobilizationiii. Training.													
		District and Tehsil	Punjab													
1348	36	Name of the Scheme	Establishment of Incubation & Facilitation Centre for New Consulting Firms in Irrigation & Power Departments	0.000	29.087	8.717	20.370	0.000	0.000	0.000	20.370	0.000	20.370	0.000	0.000	0.000
		Approval Date	Approved													
		Major Components	To establish incubation and facilitation centre in Irrigation & Power Department to provide facilities like office space, hardware and software etc to new consulting firms for and interm period till the establishment of their own office.													
		Major Targets	To establish incubation and facilitation centre in Irrigation & Power Department to provide facilities like office space, hardware and software etc. to new consulting firms for and interm period till the establishment of their own office.													
		District and Tehsil	Punjab													
<b>Sub-Total: Miscellaneous</b>				0.000	566.907	232.952	20.370	50.000	0.000	0.000	20.370	50.000	70.370	213.500	50.000	0.000

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014	
						Local		Foreign Aid		Total					G. Total (Cap+Rev)
			F. Aid	Total		Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

### Foreign Aided Projects

1349	37	Name of the Scheme	Punjab Barrages Improvement Phase-II Project (PBIP-II) -Jinnah Barrage	11,410.000	12,678.000	403.851	58.000	20.000	701.000	0.000	759.000	20.000	779.000	1,802.500	2,770.000	4,674.149
		Approval Date	Approved 09-12-2010													
		Major Components	To provide sustainable canal supply to 2.1 Million Acre i Construction of Subsidiary Weir and appurtenent structures Rehabilitation of:ii. Main weir & allied componentsiii. U/S and D/S floorsvi. Gates & gearingv. Deployment of consultants and counterpart staff													
		Major Targets	Deployment of consultants and counterpart staffConstruction of: i. Cofferdamii. Sub Weir & Main Weir (right half)Renovation of buildingsiii) Implementation of social development action plan (SDAP).													
		District and Tehsil	Mianwali , Daudkhel													
1350	38	Name of the Scheme	Rehabilitation of LCC System Part-B.	6,595.720	9,142.248	6,595.020	400.000	0.000	1,550.000	0.000	1,950.000	0.000	1,950.000	0.000	0.000	0.000
		Approval Date	Approved 30.06.05													
		Major Components	To provide sustainable canal supply to 1.690 M acres of irrigated lands.i. Rehab of channels 2173 KM.ii. Bridges 231 No.													
		Major Targets	i. Rehab of channels 215 KM.ii. Bridges 40 No.													
		District and Tehsil	Faisalabad, Sheikhpura, Toba Tek Singh, Hafizabad													

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014		
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)	
						Cap	Rev	Cap	Rev	Cap	Rev					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1351	39	Name of the Scheme	Lower Bari Doab Canal Improvement Project (PC-I).	13,741.000	17,176.000	1,615.230	180.000	100.000	1,300.000	0.000	1,480.000	100.000	1,580.000	1,500.000	2,000.000	6,526.540
		Approval Date	Approved 07.03.07													
		Major Components	To modernize the canal system, rehabilitation and to provide sustainable & integrated approach to the management of the LBDC System for an irrigated area of 1.700 M acres.i. Rehab & up gradation of Balloki Barrage 1 No.ii. Rehab & up gradation of LBDC System 2465 km & Refurbish existing B.S Link canal Head Regulatoriii. Deployment of Consultants 6 No.iv. Establishment of PMU 1 No.v. Institutional Reforms (formation of FOs 75 No.)vi.Construction of bridge over flood channel													
		Major Targets	i. Rehab & up gradation of LBDC System 50 KMii. Institutional Reforms (formation of FOs 75 No.) iii. Refurbisha. LBDC head regulatorb. BS Link head regulatorvi.Construction of Bridge over flood channel													
		District and Tehsil	Okara, Kasur, Sahiwal, Khanewal													
1352	40	Name of the Scheme	Project Preparation of Punjab Irrigated Agriculture Improvement Programme (PIAIP) PC-II.	600.000	609.000	223.959	0.000	2.000	0.000	100.000	0.000	102.000	102.000	102.000	181.000	0.000
		Approval Date	Approved 07.03.07													
		Major Components	To prepare feasibility studies and detailed design for five No. of projects:i. Deployment of Consultantsii. Recruitment of counterpart staff.iii. Procurement of vehicles & equipment.													
		Major Targets	i. Deployment of Consultantsii. Recruitment of counterpart staff.iii. Procurement of vehicles & equipment.													
		District and Tehsil	Punjab													

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1353	41	<p>Name of the Scheme</p> <p>Approval Date</p> <p>Major Components</p> <p>Major Targets</p>	44.820	79.689	32.035	0.000	2.900	0.000	19.100	0.000	22.000	22.000	26.000	0.000	0.000
		<p><b>Optimization Canal and Ground Water Management to Assist Water User Association in Maximizing Crop Production and Managing Salinisation with Australian Assistance</b></p> <p>Approved 03-11-07</p> <p>To study rationale bases for water distribution within the Fos to improve livelihood through maximizing crop production and managing salinization. i. To obtain spatial crop, soil, and water availability &amp; quality data to development tools capable of analysing hydrological, environmental and economic water management trade-off scenarios.ii.To uses of developed optimisation tools in a participatory mode with FO in Pakistan and stakeholder groups in Australia to help determine possible improved canal and groundwater management options.iii. To support PIDA and Farmer Organisations in the implementation of more equitable, economically efficient, hydrologically and environmentally sustainable canal and groundwater management options in the study areas.</p> <p>i. To obtain spatial crop, soil, and water availability &amp; quality data (Irrigation &amp; drainage aspects, uses of water) to development tools capable of analysing hydrological, environmental and economic water management trade-off scenarios.ii. To use the developed optimisation tools in a participatory mode with Farmer Organisations in Pakistan and stakeholder groups in Australia to help determine possible improved (more equitable, economically efficient, hydrologically and environmentally sustainable) canal and groundwater management options acceptable to the all stack holders.iii. To support PIDA and Farmer Organisations in the implementation of more equitable, economically efficient, hydrologically and environmentally sustainable canal and</p>													

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014		
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)	
						Cap	Rev	Cap	Rev	Cap	Rev					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
		groundwater management options in the study areas.														
		District and Tehsil	Punjab , JhangT.T SinghFaisalabad													
1354	42	Name of the Scheme	Renewable Energy Development Programme (REDSIP)- Construction of Marala Hydel Power Station.	3,201.000	4,001.000	553.920	60.000	20.000	320.000	0.000	380.000	20.000	400.000	1,500.000	1,550.000	0.000
		Approval Date	Approved 19-09-07													
		Major Components	To generate 25 MW of Hydel Power energy and 160 Million Units at cheaper rates and to be sold out to WAPDA.i. Construction of 5 Hydropower Projects at Marala, Chianwali, Deg Outfall, LBDC & Pakpattan.ii. Construction of 5 Nos diversion head regulator for power channels. iii. Construction of 5 Nos Tail race channel.iv. Construction of 5 Nos Power House buildings.v. Installation of E&M equipments.v. Operation rooms/ Residential colonies etc.													
		Major Targets	i. Construction of diversion head regulator for power channel. ii. Construction of tail race channel.iii. Construction of power house buildings.iv. Operation room/ Residential colony etc.v. Procurement of equipments. vi. 350 acres of land will be acquired through local funding													
		District and Tehsil	Sialkot, Gujranwala, Pakpattan,Sheikhupura, Khushab, Okara , SialkotGujranwalaSheikhupuraOkaraPakpattan													

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014		
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)	
						Cap	Rev	Cap	Rev	Cap	Rev					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1355	43	Name of the Scheme	Punjab Irrigation System Improvement Project.	5,509.131	6,260.376	607.213	40.000	20.000	440.000	0.000	480.000	20.000	500.000	1,500.000	2,000.000	0.000
		Approval Date	06-Feb-08													
		Major Components	1. Improvement and up-gradation of irrigation system 2. Mobilization and training of farmer organizations 3. Involvement fo farmers in the groundwater monitoring and management.													
		Major Targets	A. Civil Works B. Institutional Reforms & Capacity Building C. Groundwater Management													
		District and Tehsil	Dera Ghazi Khan, Rajanpur, Bahawalpur, Bahawalnagar , Faisalabad , Hafizabad, Chiniot, Faisalabad, Toba Tek Singh, Jhang , D.G. Khan D.G. Khan, Jampur, Rajanpur, Rojhan BahawalpurChishtian, Hasilpur, Bahawalnagar Faisalabad Pindi Bhattian, Chak Jhumra, chiniot, Faisalabad, Gojra, Bhowana, Jhang, shorkot, Toba Tek Singh.													
<b>Sub-Total: Foreign Aided Projects</b>				<b>41,101.671</b>	<b>49,946.313</b>	<b>10,031.228</b>	<b>738.000</b>	<b>164.900</b>	<b>4,311.000</b>	<b>119.100</b>	<b>5,049.000</b>	<b>284.000</b>	<b>5,333.000</b>	<b>6,430.500</b>	<b>8,501.000</b>	<b>11,200.689</b>
<b>Total: ON-GOING SCHEMES</b>				<b>41,101.671</b>	<b>69,408.770</b>	<b>17,183.795</b>	<b>4,027.000</b>	<b>239.900</b>	<b>4,311.000</b>	<b>119.100</b>	<b>8,338.000</b>	<b>359.000</b>	<b>8,697.000</b>	<b>9,502.000</b>	<b>10,175.000</b>	<b>11,291.992</b>

### NEW SCHEMES

#### Survey Investigation & Research

1356	44	Name of the Scheme	Land acquisition and feasibility study for Dadocha Dam	0.000	205.000	0.000	205.000	0.000	0.000	0.000	205.000	0.000	205.000	0.000	0.000	0.000
		Approval Date	Un-Approved													
		Major Components	i. Soil investigation ii. Site selection 3 To investigate availability of inflow. iii. Land acquisition													
		Major Targets	i. Survey for dam site , Land acquisition and sub surface soil investigation													
		District and Tehsil	Rawalpindi													

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014		
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)	
						Cap	Rev	Cap	Rev	Cap	Rev					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1357	45	Name of the Scheme Approval Date Major Components Major Targets District and Tehsil	Design Review of Kalabagh Dam Un-Approved To augment water resources for developing Agro based industry.i. Deployment of Engg. Staffii. Design Review i. Deployment of Engg. Staffii. Design Review Mianwali , Daudkhel	0.000	500.000	0.000	1.000	0.000	0.000	0.000	1.000	0.000	1.000	1.000	1.000	0.000
1358	46	Name of the Scheme Approval Date Major Components Major Targets District and Tehsil	Feasibility study for Lake on the River Sutlej Near Bahawalpur City Un-Approved To develop a lake on river Sutlej near Bahawalpur city Deployment of consultant to ascertain feasibility of lake and availability of water through the year. Deployment of consultant to ascertain feasibility of lake and availability of water through the year. Bahawalpur	0.000	5.000	0.000	5.000	0.000	0.000	0.000	5.000	0.000	5.000	0.000	0.000	0.000
1359	47	Name of the Scheme Approval Date Major Components Major Targets District and Tehsil	Feasibility study for for Improvement of Drainage System in D.G.Khan Irrigation Zone Un-Approved i. Survey, ii. Soil investigation, iii. Ground water monitoring i. Survey, ii. Soil investigation, iii. Ground water monitoring Rajanpur, Dera Ghazi Khan, Muzaffargarh , Rojhan , Rajanpur, Jampur, D.G.Khan, Muzaffargarh, Kot Addu , Alipur and Jatoi	0.000	10.000	0.000	10.000	0.000	0.000	0.000	10.000	0.000	10.000	0.000	0.000	0.000
<b>Sub-Total: Survey Investigation &amp; Research</b>			<b>0.000</b>	<b>720.000</b>	<b>0.000</b>	<b>221.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>221.000</b>	<b>0.000</b>	<b>221.000</b>	<b>1.000</b>	<b>1.000</b>	<b>0.000</b>	

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014	
						Local		Foreign Aid		Total					G. Total (Cap+Rev)
			F. Aid	Total		Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

### Irrigation

1360	48	Name of the Scheme	Land Acquisition for Construction of Main Jalalpur Canal	0.000	890.000	0.000	135.000	0.000	0.000	0.000	135.000	0.000	135.000	200.000	200.000	0.000
		Approval Date	Un-Approved													
		Major Components	2226 Acres of Land Acquisition of Main Jalalpur Canal.													
		Major Targets	350 Acres of Land Acquisition of Main Jalalpur Canal.													
		District and Tehsil	Sargodha													
1361	49	Name of the Scheme	Rehabilitation of Noshera Distributary System.	0.000	900.000	0.000	135.000	0.000	0.000	0.000	135.000	0.000	135.000	200.000	200.000	0.000
		Approval Date	Un-Approved													
		Major Components	To improve conveyance efficiency of the channels, ensuring uninterrupted supply and equitable distribution of canal water													
		Major Targets	Earth work/concrete lining/side protection/repair of structures/gates & gearing													
		District and Tehsil	Gujranwala , Gujranwala Sheikhpura													
1362	50	Name of the Scheme	Construction of VR Bridge at RD 129+600 Lower Chenab Canal	0.000	36.000	0.000	36.000	0.000	0.000	0.000	36.000	0.000	36.000	0.000	0.000	0.000
		Approval Date	Un-Approved													
		Major Components	In order to provide shortage and easy means of communications to population of 25000 inhabitanace villages Ahmadpur, Kotli Amer Singh, Kot Sora, Kot Sujana, Mangat Nivha and Sagar. Construction of VR Bridges													
		Major Targets	Earth Work, Stone Work, Concrete Work, Steel Work, Brick Work													
		District and Tehsil	Hafizabad													
1363	51	Name of the Scheme	Protecting Banks of Rasul Qadirabad Link Canal From RD 129+000 to RD 145+256(tail)	0.000	50.000	0.000	50.000	0.000	0.000	0.000	50.000	0.000	50.000	0.000	0.000	0.000
		Approval Date	Un-Approved													
		Major Components	To strenthen the canal bank to avoid breaches. Earth work .													
		Major Targets	Protection of 3.2 miles Link Canal													
		District and Tehsil	Mandi Bahauddin													



## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1364	52	Name of the Scheme	Construction of Kirto Minor of taking from Muridke Disty	0.000	10.000	0.000	10.000	0.000	0.000	0.000	0.000	10.000	0.000	0.000	0.000
		Approval Date	Un-Approved												
		Major Components	Construction of 14000 ft long minor, Head regulator and outlets												
		Major Targets	Earth Work, Concrete Work, Steel Work, Brick												
		District and Tehsil	Sheikhupura , Muridke												
1365	53	Name of the Scheme	Rehabilitation of Muridke Distributary System.	0.000	400.000	0.000	60.000	0.000	0.000	0.000	0.000	60.000	200.000	140.000	0.000
		Approval Date	Un-Approved												
		Major Components	To improve conveyance efficiency of the channels, ensuring uninterrupted supply and equitable distribution of canal water												
		Major Targets	Brick work/Earth work/Restoration of structures.												
		District and Tehsil	Sheikhupura												
1366	54	Name of the Scheme	Rehabilitation of Shahdara Distributary System.	0.000	350.000	0.000	60.000	0.000	0.000	0.000	0.000	60.000	150.000	140.000	0.000
		Approval Date	Un-Approved												
		Major Components	To improve conveyance efficiency of the channels, ensuring uninterrupted supply and equitable distribution of canal water.												
		Major Targets	Earth work/concrete lining/side protection/repair of structures/gates & gearing												
		District and Tehsil	Sheikhupura												
1367	55	Name of the Scheme	Construction of New Gated X-Regulator at RD 56+245 Mailsi Canal	0.000	15.000	0.000	15.000	0.000	0.000	0.000	0.000	15.000	0.000	0.000	0.000
		Approval Date	Un-Approved												
		Major Components	Earth Work, Concrete Work, Steel Work, Brick Work												
		Major Targets	Construction of 1 No X-Regulator												
		District and Tehsil	Vehari , Mailsi												

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1368	56	Name of the Scheme	0.000	2,662.330	0.000	400.000	0.000	0.000	0.000	400.000	0.000	400.000	300.000	412.000	1,255.127
		Remodeling of SMB Link Canal and Enhancing Capacity of Mailsi Syphon													
		Approval Date	Un-Approved												
		Major Components	Mitigation of canal water shortage in Bahawal Canal System (i) Construction of additional barrel to the Syphon. (ii) Installation of additional gate upstream of the syphon barrel. (iii) remodeling of lined portion of SMB Link Canal (RD 76+221 TO RD 3374+983), (iv) Remodeling of unlined portion of SMB Link Canal RD 0+0000 to RD 76+221), (v) Cross Regulators & Escape Structures , (vi) Bridges												
		Major Targets	Earth Work in 15 miles length												
		District and Tehsil	Vehari , Mailsi												
<b>Sub-Total: Irrigation</b>			<b>0.000</b>	<b>5,313.330</b>	<b>0.000</b>	<b>901.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>901.000</b>	<b>0.000</b>	<b>901.000</b>	<b>1,050.000</b>	<b>1,092.000</b>	<b>1,255.127</b>
<b>Flood Works</b>															
1369	57	Name of the Scheme	0.000	716.577	0.000	135.000	0.000	0.000	0.000	135.000	0.000	135.000	200.000	382.000	0.000
		Management of Hill Torrents in DG Khan Irrigation Zone Sori Lund, Vidore, Mithawan, Kaha and Chachar(Vidore Hill Torrents)													
		Approval Date	Un-Approved												
		Major Components	In order to provide 25397 acres area will be irrigated after completion of the project. To provide irrigation water supplies to 0.120 M acres of Pachad area & protection of 0.045 M acres of 5No. Villages against H/T water. Construction of (i) Distributors =2 No.(ii)Embankments=152.5 KM.												
		Major Targets	Construction of i. Distributors 3No.ii.Embankments 33 miles.iii. Deployment of consultants.												
		District and Tehsil	Dera Ghazi Khan,Rajanpur , DG KhanRajanpurJampur												
<b>Sub-Total: Flood Works</b>			<b>0.000</b>	<b>716.577</b>	<b>0.000</b>	<b>135.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>135.000</b>	<b>0.000</b>	<b>135.000</b>	<b>200.000</b>	<b>382.000</b>	<b>0.000</b>

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>Small Dams</b>															
1370	58	Name of the Scheme	Rehabilitation of Chani Bore Dam and its allied works	0.000	45.000	0.000	45.000	0.000	0.000	0.000	45.000	0.000	45.000	0.000	0.000
		Approval Date	Un-Approved												
		Major Components	To increase the storage capacity and to restore, protect and improve irrigation system and existing infrastructure.												
		Major Targets	Raising of Main Dam & Spillway, Rehabilitation of inspection hut, Rehabilitation of Approach road and Rehabilitation of Channel & minors												
		District and Tehsil	Attock , Jhand												
<b>Sub-Total: Small Dams</b>				<b>0.000</b>	<b>45.000</b>	<b>0.000</b>	<b>45.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>45.000</b>	<b>0.000</b>	<b>45.000</b>	<b>0.000</b>	<b>0.000</b>
<b>Miscellaneous work</b>															
1371	59	Name of the Scheme	Short and Long Terms Measures for Improving Flood Management	0.000	900.000	0.000	228.000	0.000	0.000	0.000	228.000	0.000	228.000	672.000	0.000
		Approval Date	Un-Approved												
		Major Components	Feasibility of Flood plain Management(GIS,identification of flood plain and abadies in side, evolving flood plain use and management regime/regulation) Hydraulic Excavators 13 No. Tractors with 26 No Trolly and all acessoreis Boat fiber 13 No. Generator 5KVA 26 No. 9.5 KV 13 No. Providing security equipment 13 Job,												
		Major Targets	Feasibility of Flood plain Management Hydraulic Excavators 7No. Tractors with 13 No Trolly and all acessoreis Boat fiber 6 No. Generator 5KVA 13 No. 9.5 KV 7 No. Providing security equipment 6Job												
		District and Tehsil	Punjab , All Punjab												
<b>Sub-Total: Miscellaneous work</b>				<b>0.000</b>	<b>900.000</b>	<b>0.000</b>	<b>228.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>228.000</b>	<b>0.000</b>	<b>228.000</b>	<b>672.000</b>	<b>0.000</b>

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014	
						Local		Foreign Aid		Total					G. Total (Cap+Rev)
			F. Aid	Total		Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

### Foreign Aided Projects

1372	60	Name of the Scheme	New Khanki Barrage Construction Project	21,098.000	23,442.000	0.000	5.000	0.000	43.000	0.000	48.000	0.000	48.000	500.000	1,000.000	18,944.000
		Approval Date	Approved from ECNEC on 03.09.2009													
		Major Components	I. Construction of new Khanki Barrage at 900 ft downstream of existing barrage.II. Construction of head regulator for LCC.III. Construction of a channel for connecting new LCC head regulator with existign canal.IV. Dismantling of old Khanki weir.V. Construction of new guide bunds.VI. Extension of existing guide banks and construction of four slopping studs on rights side downstream of barrage.													
		Major Targets	I. Procurement of consultantsII. Preparatory works III.Incremental cost													
		District and Tehsil	Gujranwala , Wazirabad													
<b>Sub-Total: Foreign Aided Projects</b>				<b>21,098.000</b>	<b>23,442.000</b>	<b>0.000</b>	<b>5.000</b>	<b>0.000</b>	<b>43.000</b>	<b>0.000</b>	<b>48.000</b>	<b>0.000</b>	<b>48.000</b>	<b>500.000</b>	<b>1,000.000</b>	<b>18,944.000</b>

### Block Allocation

1373	61	Name of the Scheme	Block Allocation for new small dams	0.000	500.000	0.000	500.000	0.000	0.000	0.000	500.000	0.000	500.000	0.000	0.000	0.000
		Approval Date	Un-Approved													
		Major Components														
		Major Targets														
		District and Tehsil	Punjab													
1374	62	Name of the Scheme	Block Allocation for development of command area for small dams	0.000	225.000	0.000	225.000	0.000	0.000	0.000	225.000	0.000	225.000	0.000	0.000	0.000
		Approval Date	Un-Approved													
		Major Components														
		Major Targets														
		District and Tehsil	Punjab													

## IRRIGATION

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2010-11	Provision for 2011-12						Projection for 2012-13	Projection for 2013-14	Throw fwd beyond June, 2014		
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)	
						Cap	Rev	Cap	Rev	Cap	Rev					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1375	63	Name of the Scheme	Block allocation for fast moving / new/ unfunded schemes	0.000	250.000	0.000	250.000	0.000	0.000	0.000	0.000	250.000	0.000	250.000	0.000	0.000
		Approval Date	Un-Approved													
		Major Components														
		Major Targets														
		District and Tehsil	Punjab													
<b>Sub-Total: Block Allocation</b>				0.000	975.000	0.000	975.000	0.000	0.000	0.000	975.000	0.000	975.000	0.000	0.000	0.000
<b>Total: NEW SCHEMES</b>				21,098.000	32,111.907	0.000	2,510.000	0.000	43.000	0.000	2,553.000	0.000	2,553.000	2,423.000	2,475.000	20,199.127
<b>Grand Total</b>				62,199.671	101,520.677	17,183.795	6,537.000	239.900	4,354.000	119.100	10,891.000	359.000	11,250.000	11,925.000	12,650.000	31,491.119