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# IRRIGATION

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## IRRIGATION

Irrigation sector under province's medium term development framework covers the programs and projects sponsored and managed by Punjab Irrigation & Power Department in the irrigation, drainage, groundwater, flood management & mitigation, small dams development, energy and environment sub sectors.

### 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.

### 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 costs for Punjab's irrigation infrastructure including barrages and conveyance network is estimated as Rs. 1600 billion whereas the estimated cost for rehabilitation and deferred maintenance needs 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:-

- (i) Growing water shortages, which are further worsened in periods of drought.
- (ii) The irrigation and drainage infrastructure has deteriorated overtime due to a combination of age, chronic under-funding of maintenance and repairs (M&R), and lack of appropriate asset management planning.

- (iii) Outlived Scarp tubewells continue to place a major burden on the recurrent budget. Similarly the IPD workshops once intended as “production facilities” are facing huge losses.
- (iv) Gaps in meeting financial sustainability of the system owing to low recovery of *abiana*, inefficient operational regimes, and low M&R funding.
- (v) Non-transparent water entitlements and distribution.
- (vi) Lack of participatory operations in maintenance and management of irrigation services leading to inefficiencies, inequities and lack of ownership by users.
- (vii) Imprudent and inefficient utilization and management of groundwater.

#### **KEY STRATEGIES FOR IRRIGATION SECTOR MTFD (2009-12)**

Key strategies underpinning the sector’s development outlays under province’s MTFD (2009-10 to 2011-12) are:-

- a) Implement structural measures for optimal utilization of surface water resources.
- b) Increase public investments for modernization of irrigation infrastructure
- c) Develop and practice holistic approaches to the use of surface and groundwater and for enhancing the agricultural productivity
- d) Implement measures to reverse environmental degradation and groundwater mining
- e) Promote broad based institutional reforms already initiated through FOs in LCC area) aiming at transparency, efficiency and autonomy to sustain the resource base and infrastructure
- f) Augment renewable energy resource base through installation of low-head hydel stations on canal falls.
- g) Extend and improve drainage, flood protection, hill torrent management and command area development interventions in reverine and rain-fed (Barani) areas.

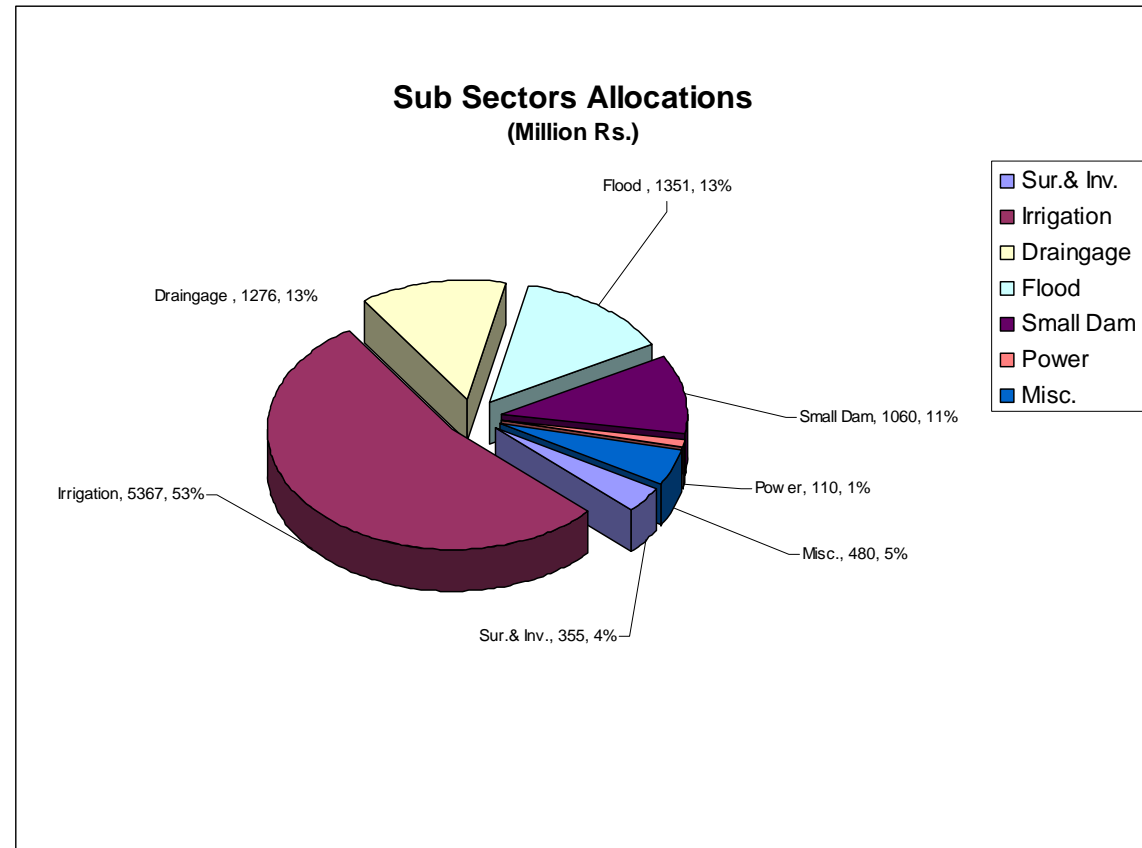
## TREND OF ALLOCATIONS

(Million Rs)

Year	Original Allocation	Revised Allocation
2005-06	7,000	7,025
2006-07	8,500	9,513
2007-08	11,000	9,761
2008-09	11,300	9,396
2009-10		10,000

### SALIENT FEATURES OF SECTOR'S MTDF (2009-12)

Irrigation sector's total outlay for the year 2009-10 is planned as Rs.10.0 billion which constitutes about 10% of the core ADP (2009-10) budget under the MTDF 2009-12. Project outlays for the sector in years 2010-11 and 2011-12 are Rs.12.500 billion and Rs.14.000 billion respectively. Out of the total 78 schemes included in MTDF 2009-10, 40 schemes comprising 32 on-going and 8 new schemes have been targeted for completion by allocating 89.7% of outlay to the on-going and 10.3% to new schemes.



The 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 to rehabilitate and modernize the barrages being linchpin of the province's irrigation system in a phased programme. Physical works relating to rehabilitation of Taunsa Barrage have been completed in December 2008 as per schedule. In succeeding initiatives under planned series of barrages rehabilitation projects, mega projects envisaging reconstruction of 116 year old Khanki Barrage and rehabilitation of Jinnah Barrage have now been included in the present development programme for the year 2009-10

**MTDF TARGETS VERSUS ACHIEVEMENTS**

Description	FY 2008-09		FY 2009-10
	Targets	Achievements	Targets
Assured and sustainable supplies	10.0 M Acres	10.0 M Acres	10.0 M Acres
Lining of Channels	300 KM	200 KM	150 KM
Rehabilitation & Modernization of Taunsa Barrage	100%	100%	--
Rehabilitation of LCC System Part-B.	33%	40%	65%
Empowering FOs in LCC Pilot and other areas	100 No.	100%	150 No.
Completion of Dams (Gurha Uttam Singh, Shah Habib, Phalina & Fatehpur)	100%	100%	-
Completion of Dams (Minwal &, Durabi)	100%	95%	100%
Completion of dams (Haji Shah, Shahbazpur, Tajabara, Sadrial, Ugham,	100%	75%	100%
Construction of dams (Dhoke Hum, Munde, Dhoke Jhang & Uthwal/Lakhwal)	70%	60%	80%
Construction of Cherah Dam	10%	2%	30%
Improving drainage & flood protection in Gujranwala, Sialkot Sheikhpura, Narowal, Sahiwal, Bahawalnagar, Rahimyar Khan, Sargodha and Kasur Districts.	105 sq miles	105 sq miles	75 sq miles
Preparation of 5 additional hydel power projects (24.8 MW combined). Pakpattan, Okara (LBDC), Deg-outfall, Chianwali, Marala.	Completion of project appraisal & tender level design	Project appraisal Completed	Completion of tender level design.
New Khanki Barrage Construction Project	Deployment of Consultants & counterpart staff i) Construction of Coffer dam ii) Renovation of buildings	Consultants completed Engg. Design. PC-I stands cleared by CDWP on 30.04.09 for approval of ECNEC.	Deployment of Consultants & counterpart staff i) Construction of Coffer dam ii) Construction of barrage (5%)

			iii) Renovation of buildings
Rehabilitation & Modernization of Jinnah Barrage	Deployment of Consultants & counterpart staff i) Construction of Coffe dam ii) Main Weir iii) Renovation of buildings	Consultants completed Engg. Design. PC-I is under preparation.	Deployment of Consultants & counterpart staff i) Construction of Coffe dam ii) Main Weir (25%) iii) Renovation of buildings

**MTDF 2009-12**  
**Irrigation : Summary**  
**Development Programme 2009-10**

(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	136.231	49.131	185.362	0.000	185.362	1.000	0.000	1.000	0.000	1.000	137.231	49.131	186.362	0.000	186.362
Irrigation	1,104.910	0.000	1,104.910	0.000	1,104.910	252.480	0.000	252.480	0.000	252.480	1,357.390	0.000	1,357.390	0.000	1,357.390
Drainage	1,025.800	0.000	1,025.800	0.000	1,025.800	250.290	0.000	250.290	0.000	250.290	1,276.090	0.000	1,276.090	0.000	1,276.090
Flood Works	1,156.403	0.000	1,156.403	0.000	1,156.403	194.570	0.000	194.570	0.000	194.570	1,350.973	0.000	1,350.973	0.000	1,350.973
Small Dams	980.474	30.000	1,010.474	0.000	1,010.474	50.000	0.000	50.000	0.000	50.000	1,030.474	30.000	1,060.474	0.000	1,060.474
Building	236.296	0.000	236.296	0.000	236.296	70.000	0.000	70.000	0.000	70.000	306.296	0.000	306.296	0.000	306.296
Miscellaneous	0.000	53.298	53.298	0.000	53.298	90.000	30.000	120.000	0.000	120.000	90.000	83.298	173.298	0.000	173.298
Foreign Aided Projects	427.680	147.959	575.639	3,617.818	4,193.457	14.590	0.000	14.590	81.070	95.660	442.270	147.959	590.229	3,698.888	4,289.117
<b>Total</b>	<b>5,067.794</b>	<b>280.388</b>	<b>5,348.182</b>	<b>3,617.818</b>	<b>8,966.000</b>	<b>922.930</b>	<b>30.000</b>	<b>952.930</b>	<b>81.070</b>	<b>1,034.000</b>	<b>5,990.724</b>	<b>310.388</b>	<b>6,301.112</b>	<b>3,698.888</b>	<b>10,000.000</b>
No. of schemes	50					28					78				

**Development Programme 2010-11**

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	180.000	50.000	230.000	0.000	230.000	1.000	0.000	1.000	0.000	1.000	181.000	50.000	231.000	0.000	231.000
Irrigation	272.000	0.000	272.000	0.000	272.000	2,709.400	0.000	2,709.400	0.000	2,709.400	2,981.400	0.000	2,981.400	0.000	2,981.400
Drainage	465.000	0.000	465.000	0.000	465.000	1,018.000	0.000	1,018.000	0.000	1,018.000	1,483.000	0.000	1,483.000	0.000	1,483.000
Flood Works	0.000	0.000	0.000	0.000	0.000	200.000	0.000	200.000	0.000	200.000	200.000	0.000	200.000	0.000	200.000
Small Dams	850.000	22.000	872.000	0.000	872.000	185.000	15.000	200.000	0.000	200.000	1,035.000	37.000	1,072.000	0.000	1,072.000
Miscellaneous	30.000	20.000	50.000	0.000	50.000	200.000	39.600	239.600	0.000	239.600	230.000	59.600	289.600	0.000	289.600
Foreign Aided Projects	500.000	70.000	570.000	5,128.000	5,698.000	40.000	5.000	45.000	500.000	545.000	540.000	75.000	615.000	5,628.000	6,243.000
<b>Total</b>	<b>2,297.000</b>	<b>162.000</b>	<b>2,459.000</b>	<b>5,128.000</b>	<b>7,587.000</b>	<b>4,353.400</b>	<b>59.600</b>	<b>4,413.000</b>	<b>500.000</b>	<b>4,913.000</b>	<b>6,650.400</b>	<b>221.600</b>	<b>6,872.000</b>	<b>5,628.000</b>	<b>12,500.000</b>

**Development Programme 2011-12**

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	187.000	50.000	237.000	0.000	237.000	1.000	0.000	1.000	0.000	1.000	188.000	50.000	238.000	0.000	238.000
Irrigation	671.000	0.000	671.000	0.000	671.000	2,406.000	0.000	2,406.000	0.000	2,406.000	3,077.000	0.000	3,077.000	0.000	3,077.000
Drainage	408.000	0.000	408.000	0.000	408.000	852.000	0.000	852.000	0.000	852.000	1,260.000	0.000	1,260.000	0.000	1,260.000
Flood Works	250.000	0.000	250.000	0.000	250.000	140.000	0.000	140.000	0.000	140.000	390.000	0.000	390.000	0.000	390.000
Small Dams	450.000	14.000	464.000	0.000	464.000	225.000	25.000	250.000	0.000	250.000	675.000	39.000	714.000	0.000	714.000
Miscellaneous	30.000	20.000	50.000	0.000	50.000	180.000	21.000	201.000	0.000	201.000	210.000	41.000	251.000	0.000	251.000
Foreign Aided Projects	700.000	22.000	722.000	6,700.000	7,422.000	30.000	18.000	48.000	600.000	648.000	730.000	40.000	770.000	7,300.000	8,070.000
<b>Total</b>	<b>2,696.000</b>	<b>106.000</b>	<b>2,802.000</b>	<b>6,700.000</b>	<b>9,502.000</b>	<b>3,834.000</b>	<b>64.000</b>	<b>3,898.000</b>	<b>600.000</b>	<b>4,498.000</b>	<b>6,530.000</b>	<b>170.000</b>	<b>6,700.000</b>	<b>7,300.000</b>	<b>14,000.000</b>

**IRRIGATION MTDF 2009-10: GRAND TOTAL**

**36,500.000**



## IRRIGATION: SUMMARY

(Million Rs)

Type / Sub Sector	No. of Schemes	Provision for 2009-10							Projection for 2010-11	Projection for 2011-12
		Local		Foreign Aid		Total		G. Total (Cap+Rev)		
		Capital	Revenue	Capital	Revenue	Capital	Revenue			
<b><u>ON-GOING SCHEMES</u></b>										
Survey Investigation & Research	7	136.231	49.131	0.000	0.000	136.231	49.131	185.362	230.000	237.000
Irrigation	12	1,104.910	0.000	0.000	0.000	1,104.910	0.000	1,104.910	200.000	121.000
Drainage	6	1,025.800	0.000	0.000	0.000	1,025.800	0.000	1,025.800	465.000	308.000
Flood Works	2	1,156.403	0.000	0.000	0.000	1,156.403	0.000	1,156.403	0.000	0.000
Small Dams	7	980.474	30.000	0.000	0.000	980.474	30.000	1,010.474	872.000	364.000
Buildings	7	236.296	0.000	0.000	0.000	236.296	0.000	236.296	0.000	0.000
Miscellaneous	2	0.000	53.298	0.000	0.000	0.000	53.298	53.298	50.000	50.000
Foreign Aided Projects	7	427.680	147.959	3,504.730	113.088	3,932.410	261.047	4,193.457	5,698.000	7,422.000
<b>Total: ON-GOING SCHEMES</b>	<b>50</b>	<b>5,067.794</b>	<b>280.388</b>	<b>3,504.730</b>	<b>113.088</b>	<b>8,572.524</b>	<b>393.476</b>	<b>8,966.000</b>	<b>7,515.000</b>	<b>8,502.000</b>
<b><u>NEW SCHEMES</u></b>										
Survey Investigation & Research	1	1.000	0.000	0.000	0.000	1.000	0.000	1.000	1.000	1.000
Irrigation	12	252.480	0.000	0.000	0.000	252.480	0.000	252.480	2,709.400	2,406.000
Drainage	6	250.290	0.000	0.000	0.000	250.290	0.000	250.290	1,018.000	852.000
Flood Works	3	194.570	0.000	0.000	0.000	194.570	0.000	194.570	200.000	140.000
Small Dams	1	50.000	0.000	0.000	0.000	50.000	0.000	50.000	200.000	250.000
Buildings	1	70.000	0.000	0.000	0.000	70.000	0.000	70.000	0.000	0.000
Miscellaneous	2	90.000	30.000	0.000	0.000	90.000	30.000	120.000	239.600	201.000
Foreign Aided Projects	2	14.590	0.000	81.070	0.000	95.660	0.000	95.660	617.000	1,648.000
<b>Total: NEW SCHEMES</b>	<b>28</b>	<b>922.930</b>	<b>30.000</b>	<b>81.070</b>	<b>0.000</b>	<b>1,004.000</b>	<b>30.000</b>	<b>1,034.000</b>	<b>4,985.000</b>	<b>5,498.000</b>
<b>Grand Total</b>	<b>78</b>	<b>5,990.724</b>	<b>310.388</b>	<b>3,585.800</b>	<b>113.088</b>	<b>9,576.524</b>	<b>423.476</b>	<b>10,000.000</b>	<b>12,500.000</b>	<b>14,000.000</b>

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
						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

3379	1	Name of the Scheme	Establishment of Project Monitoring Office (PMO) for Monitoring the Development Projects in the Irrigation & Power Department, Lahore	0.000	194.700	60.170	0.000	25.000	0.000	0.000	0.000	25.000	25.000	50.000	60.000	0.000
		Approval Date	Approved Revised 11-10-2006													
		Major Components	PMO establishment for monitoring of major projects. Monitoring of major irrigation projects. 1) Irrigation System Rehabilitation Project(ISRP) under PSDP2) Lining of Irrigation Channels ( Distributaries &Minors) in Punjab. under PSDP.3) Project under Annual Development Project (ADP) Punjab.													
		Major Targets	Monitoring of major irrigation projects. 1) Irrigation System Rehabilitation Project(ISRP) under PSDP 2) Lining of Irrigation Channels ( Distributaries &Minors) in Punjab. under PSDP. 3) Project under Annual Development Project (ADP) Punjab.													
		District and Tehsil	Punjab													

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(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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
3380	2	<p>Name of the Scheme</p> <p>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</p> <p>Approved 28-06-2006</p> <p>Major Components</p> <p>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.</p> <p>Major Targets</p> <p>Setting up of Units of Ground Water Management, Environment Improvement, Institutional Reforms, Communication Strategization, etc.</p> <p>District and Tehsil</p> <p>Punjab</p>	0.000	138.540	51.410	0.000	10.000	0.000	0.000	0.000	10.000	10.000	35.000	43.000	0.000
3381	3	<p>Name of the Scheme</p> <p>Investigation and Feasibility of 24 New Small Dam Projects in Potohar Area of Punjab.</p> <p>Approval Date</p> <p>Approved 04-09-2007</p> <p>Major Components</p> <p>Conducting feasibility study and identifying potential sites for construction of small dams in Potohar area.i. Geological investigations, ii. Topographic survey, iii. Hydrological studies, soil investigation and preparation of F.S/PC-Is for 24 potential sites.</p> <p>Major Targets</p> <p>i. Geological Investigations, ii. Topographic survey, iii. Hydrological studies, soil investigation and preparation of F.S/PC-Is for 16 potential sites.</p> <p>District and Tehsil</p> <p>Rawalpindi,Attock,Chakwal,Jhelum</p>	0.000	90.844	49.510	37.203	4.131	0.000	0.000	37.203	4.131	41.334	0.000	0.000	0.000

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(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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
3382	4	Name of the Scheme <b>Ground Water Management and Regulation in Punjab.</b>	0.000	96.672	4.030	0.000	10.000	0.000	0.000	0.000	10.000	10.000	45.000	40.000	0.000
		Approval Date	Approved 04-09-2007												
		Major Components	Phased Management of Groundwater in selected Pilot areas.i. Establishment of GMOii. Procurement of consultancy services.Iii. Procurement of equipmentiv. Mapping of ground water.V. Launching of awarnance campaignvi. Implementation of management interventions.												
		Major Targets	i. Establishment of Ground water Management Officeii. Procurement of consultancy services.Iii. Procurement of equipmentiv. Mapping of ground water.V. Launching of awarnance campaignvi. Implementation of management interventions.												
		District and Tehsil	Punjab												
3383	5	Name of the Scheme <b>Updating Feasibility Studies of Jalalpur Canal Project.</b>	0.000	7.900	4.000	3.900	0.000	0.000	0.000	3.900	0.000	3.900	0.000	0.000	0.000
		Approval Date	Approved 19-11-2007												
		Major Components	To up-date feasibility studies and detailed design for Jalalpur Canal project:i. Deployment of consultantsii. Recruitment of counterpart staff.Iii. Procurement of vehicles & equipment.												
		Major Targets	i. Updation of feasibility study ii Submission of PC-1												
		District and Tehsil	Jhelum,Khushab , Pind Dadan Khan-Khushab												

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(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
						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
3384	6	Name of the Scheme Research Studies on Artificial Recharge of Aquifer in Punjab.  Approval Date Approved 28-08-2008  Major Components To determine the optimal methodology for recharge of ground water for replication in the areas of depressed GWT. i. Conducting research on artificial recharge of aquifer (7-Studies).ii. Procurement of computers, lap top & accessories.iii. Holding of seminars (3 No)  Major Targets i. Conducting research on artificial recharge of aquifer (2-Studies).ii. Procurement of computers, lap top & accessories.  District and Tehsil Punjab	0.000	34.362	3.500	5.128	0.000	0.000	0.000	5.128	0.000	5.128	10.000	7.000	8.734
3385	7	Name of the Scheme Hiring of Consultancy Services for Monitoring of Projects under Provincial Development Program  Approval Date Approved 28.01.09  Major Components Hiring of consultancy services  Major Targets Hiring of consultancy services  District and Tehsil Punjab	0.000	276.339	10.000	90.000	0.000	0.000	0.000	90.000	0.000	90.000	90.000	87.000	0.000
<b>Sub-Total: Survey Investigation &amp; Research</b>			<b>0.000</b>	<b>839.357</b>	<b>182.620</b>	<b>136.231</b>	<b>49.131</b>	<b>0.000</b>	<b>0.000</b>	<b>136.231</b>	<b>49.131</b>	<b>185.362</b>	<b>230.000</b>	<b>237.000</b>	<b>8.734</b>

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(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
						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

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3386	8	Name of the Scheme	Construction of Paikhel Lift Irrigation Scheme	0.000	630.268	550.268	80.000	0.000	0.000	0.000	80.000	0.000	80.000	0.000	0.000	0.000
		Approval Date	Approved Revised 05.06.05													
		Major Components	To irrigate 0.028 M. acres of virgin / un-commanded land through lift arrangement.i. Feeder channels 4.5 km.ii. Irrigation channels 35 km.iii. Head regulators 3No.iv. Pump houses 2 No.v. Bridges 21 No.vi. Syphons 22No.vii. Aqueducts 24 No.viii. Super passage 3 No.ix. Falls 2No.x. outlets 73 No.xi.Purchase of electrical & mechanical equipments.													
		Major Targets	i. Construction feeder channelsii. Pumps houses 2													
		District and Tehsil	Mianwali													
3387	9	Name of the Scheme	Improvement of Khaira Disty.	0.000	124.533	100.000	24.533	0.000	0.000	0.000	24.533	0.000	24.533	0.000	0.000	0.000
		Approval Date	Approved12.08.08													
		Major Components	To improve the hydrolic effeciency of the channel and minimize the seepage losses, the channel is being concrete lined:i. Earth work in 9 miles length. li. Concrete lining in a length of 9 miles.iii. Diversion channels in 9 miles length. lv. Construction of 11 No. outlets													
		Major Targets	i. Earth work in 2 miles length. li. Concrete lining in a length of 2 miles.iii. Diversion channels in 2 iles length. lv. Construction of 11 No. outlets													
		District and Tehsil	Lahore													

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012		
			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	
3388	10	Name of the Scheme Approval Date Major Components Major Targets District and Tehsil	Revival of Todepur Minor Approved 29.12.08 To restore the minor to provide irrigation supply to 21,591 acres of CCAi. Earth 17.077 mcf.ii. Construction of 1 bridge, 1 aqueduct, i. head regulator, outlet and 40 watercourse crossing.Vi. Land acquisition 65 acres. i. Earth 12 mcf.ii. Construction of 1 bridge, 1 aqueduct, i. head regulator, outlet kasur	0.000	104.530	35.430	69.100	0.000	0.000	0.000	69.100	0.000	69.100	0.000	0.000	0.000
3389	11	Name of the Scheme Approval Date Major Components Major Targets District and Tehsil	Rehabilitation of Bahawalpur Ditsy System and Direct Off-takes of Lower Bahawal Canal. Approved 06-11-2007 To ensure sustainable irrigation for an area of 0.067 M acresi. Rehabilitation of irrigation channels 75 km.ii.Rehab of hydraulic structures 10 No.iii.Rehab of bridges 10 No. i. Rehabilitation of irrigation channels 20 km.ii.Rehab of hydraulic structures 5 No.iii.Rehab of bridges 5 No. Bahawalpur	0.000	548.900	257.857	291.043	0.000	0.000	0.000	291.043	0.000	291.043	0.000	0.000	0.000
3390	12	Name of the Scheme Approval Date Major Components Major Targets District and Tehsil	Remodelling of Behari Disty RD 0-54860 with System. Approved Revised 08.11.08 To ensure sustainable irrigation facilities for an irrigated area of 92830 acres.i. Rehabilitation of irrigation channels 75 km.ii. Rehab of structures 56 No. i. Rehabilitation of irrigation channels 30 km.ii. Rehab of structures 25 No. Rahim Yar Khan , Khanpur	0.000	492.550	50.000	122.110	0.000	0.000	0.000	122.110	0.000	122.110	200.000	121.000	0.000

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012		
			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	
3391	13	Name of the Scheme Mohar Lift Irrigation Scheme 'B' Off-taking at RD 201700/L Mohajir Branch.  Approval Date Approved 30.05.02  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	137.457	4.143	0.000	0.000	0.000	4.143	0.000	4.143	0.000	0.000	0.000	0.000
3392	14	Name of the Scheme Remodelling 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	373.000	1.000	0.000	0.000	0.000	1.000	0.000	1.000	0.000	0.000	0.000	0.000
3393	15	Name of the Scheme Selective Lining of Irrigation Channels in Punjab  Approval Date Approved 25.07.05  Major Components Improving conveyance of irrigation water facilitating the farmers for better irrigation. Concrete lining 200 miles  Major Targets Concrete lining 40 miles.  District and Tehsil Punjab	0.000	990.000	798.991	191.009	0.000	0.000	0.000	191.009	0.000	191.009	0.000	0.000	0.000	0.000



## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
						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
3394	16	Name of the Scheme	0.000	953.710	873.230	80.480	0.000	0.000	0.000	80.480	0.000	80.480	0.000	0.000	0.000
		Continuation of Left Over Activities on Closing of NDP after December 2006.													
		Approval Date													
		Approved26.12.06													
		Major Components													
		To improve irrigation facilities for an area of 3.05 M acres.i. Construction of cross regulator 9 No.ii. Rehabilitation of canal banks 721 kmiii. Lining of channels 13 kmiv. Construction of bridges 29 No.													
		Major Targets													
		i. Construction of cross regulator 1 No.ii. Rehabilitation of canal banks 21 kmiii. Lining of channels 7 km													
		District and Tehsil													
		Faisalabad,Hafizabad,Sheikhupura,Nankana,Sahiwal , FaisalabadHafizabadSheikhupura.NankanaSahiwalGujranwalaWazirabad													
3395	17	Name of the Scheme	0.000	212.322	60.292	152.030	0.000	0.000	0.000	152.030	0.000	152.030	0.000	0.000	0.000
		Rehabilitation of Irrigation Channels in the Areas of Farmers Organizations. Phase-I													
		Approval Date													
		Approved28.02.07													
		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													

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
						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
3396	18	Name of the Scheme Construction of DR Bridges at RD 177600, RD 164900 and Redecking of the Bridge at RD 153967 of TS Link.  Approval Date Approved Revised 29.12.08  Major Components To improve cross over facilities for the people living of either side of the canal and to made the bridges fit against the present day vehicular traffic load.Rehabilitation of bridges 3 No.  Major Targets Rehabilitation of bridges 2 No.  District and Tehsil Khanewal,Toba Tek Singh , Khabir walaKamalia	0.000	149.020	75.000	74.020	0.000	0.000	0.000	74.020	0.000	74.020	0.000	0.000	0.000
3397	19	Name of the Scheme Lining of Athilpur Minor RD 0+000 to 88+783 (Tail)  Approval Date Approved Revised 09.09.08  Major Components To provide irrigation water supplies to 0.020 M acres new area .Extension of minor in 14000 ft length(from RD 74+783 to 88+783) Lining of channel from head to tail.Land acquisition of 9 acres of land.(ii)Embankments= 152.5 km.  Major Targets Earth work in 4 milesConcrete lining in 4 miles lengthLining of channel 5 Km(ii)Embankments= 4 km.  District and Tehsil Lahore,Kasur , kasur	0.000	92.586	77.144	15.442	0.000	0.000	0.000	15.442	0.000	15.442	0.000	0.000	0.000
<b>Sub-Total: Irrigation</b>			<b>0.000</b>	<b>5,185.915</b>	<b>3,388.669</b>	<b>1,104.910</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1,104.910</b>	<b>0.000</b>	<b>1,104.910</b>	<b>200.000</b>	<b>121.000</b>	<b>0.000</b>
<b>Drainage</b>															
3398	20	Name of the Scheme Remodelling of Kalra Drain RD 3000 to RD 14000  Approval Date Approved Revised 26.05.07  Major Components To improve drainage facilities for 4000 acres of land.i. Remodg of drain 4 km.ii. Constrn. of inlets 5 No.iii. Constrn. of bridge 1 No.  Major Targets i. Remodg of drain 4 km.ii. Constrn. of inlets 5 No.iii. Constrn. of bridge 1 No.  District and Tehsil Gujrat	0.000	44.544	19.290	25.254	0.000	0.000	0.000	25.254	0.000	25.254	0.000	0.000	0.000

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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
3399	21	<p>Name of the Scheme Construction of Suknai Drain RD 610+000 to RD 1250+000.</p> <p>Approval Date Approved Revised 12.02.09</p> <p>Major Components To improve drainage facilities for an area of 384 sq km Construction of new drains 192 km</p> <p>Major Targets Construction of new drain 80 km.</p> <p>District and Tehsil Sahiwal , Sahiwal Okara Depialpur Burewala</p>	0.000	882.680	75.000	200.000	0.000	0.000	0.000	200.000	0.000	200.000	300.000	308.000	0.000
3400	22	<p>Name of the Scheme Remodelling of Sadiqia Drain RD 0+000 to 120+000.</p> <p>Approval Date Approved 28.08.08</p> <p>Major Components The existing drain is incapacitated and unable to cater the storm water. Therefore it is being remodelled to increase run off discharge. i. Earth work ii. Reconstruction of water course crossings. lii. Reconstruction of V.R. bridges. iv. Reconstruction of inlets. V., Stone pitching. vi. Repairing of major structures.</p> <p>Major Targets i. Earth work ii. Reconstruction of water course crossings. lii. Reconstruction of V.R. bridges. iv. Reconstruction of inlets. V., Stone pitching. vi. Repairing of major structures.</p> <p>District and Tehsil Bahawalnagar</p>	0.000	134.400	50.000	84.400	0.000	0.000	0.000	84.400	0.000	84.400	0.000	0.000	0.000

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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
3401	23	Name of the Scheme Providing Drainage System within Command Area of 3-R Abbasid Canal.  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	0.000	314.602	50.000	100.000	0.000	0.000	0.000	100.000	0.000	100.000	165.000	0.000	0.000
3402	24	Name of the Scheme Land Acquisition for Construction of Nikki Deg Drain and Improving Drainage System in Sialkot Gujranwala and Sheikhpura Districts.  Approval Date Approved 14-03-09  Major Components Payment to land owners against land acquisition (1460) acres  Major Targets Land acquisition = 800 acres  District and Tehsil Sheikhpura, Gujranwala, Sialkot , Ferozewala	0.000	568.439	263.444	304.995	0.000	0.000	0.000	304.995	0.000	304.995	0.000	0.000	0.000
3403	25	Name of the Scheme Land Acquisition for Improvement of Nullah Deg from Inaytpur to Shamir District Gujranwala  Approval Date Approved 14-03-09  Major Components Payment of the land owners against land acquisition (1020) acres.  Major Targets Land acquisition = 600 acres  District and Tehsil Sheikhpura, Gujranwala , SKP Gujranwala	0.000	512.151	201.000	311.151	0.000	0.000	0.000	311.151	0.000	311.151	0.000	0.000	0.000
<b>Sub-Total: Drainage</b>			<b>0.000</b>	<b>2,456.816</b>	<b>658.734</b>	<b>1,025.800</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1,025.800</b>	<b>0.000</b>	<b>1,025.800</b>	<b>465.000</b>	<b>308.000</b>	<b>0.000</b>

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
						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

### Flood Works

3404	26	Name of the Scheme	Management of Hill Torrent in CRBC Area (Stage-III) D.G.Khan	0.000	1,605.000	519.000	1,086.000	0.000	0.000	0.000	1,086.000	0.000	1,086.000	0.000	0.000	0.000
		Approval Date	Approved 12.11.07													
		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 of i. Distributors 5No. ii. Embankments 100miles.													
		District and Tehsil	Dera Ghazi Khan , Taunsa Sharif													
3405	27	Name of the Scheme	Extension of Minchin Flood Bund from RD 315+500 (Existing Tail) to LMB (Bhong Bund Guddu Barrage).	0.000	453.270	382.867	70.403	0.000	0.000	0.000	70.403	0.000	70.403	0.000	0.000	0.000
		Approval Date	Approved 06.09.07													
		Major Components	To protect an area of 50,000 acres against wild inundation of the river Indus. i. Extension of bund 50 km. ii. Construction of guide wall 1 No. iii. Const. of j-head spurs 3 No. iv. Procurement of equipments (Fax machine, laptop, camera, multimedia etc.													
		Major Targets	i. Extension of bund 5 km.													
		District and Tehsil	Rahim Yar Khan. , Rahimyar Khan- Sadiqabad-Rojhan													
<b>Sub-Total: Flood Works</b>				<b>0.000</b>	<b>2,058.270</b>	<b>901.867</b>	<b>1,156.403</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1,156.403</b>	<b>0.000</b>	<b>1,156.403</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
						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

### Small Dams

3406	28	Name of the Scheme	Construction of Ugham Dam Project.	0.000	476.550	299.900	176.650	0.000	0.000	0.000	176.650	0.000	176.650	0.000	0.000	0.000
		Approval Date	Approved 19.11.07													
		Major Components	To bring 3000 acres of land under irrigation and to supply drinking water to the nearby abadies.i. Main dam 1 No.ii. Spillway 1 No.iii. Coffor dam 1 No.iv. Outlet structuresv. Inspection hut 1 No.vi. Irrigation channel 1 No.													
		Major Targets	i. Main dam 1 No.ii. Spillway 1 No.iii. Coffor dam 1 No.													
		District and Tehsil	Rawalpindi , Gujranwala													
3407	29	Name of the Scheme	Construction of Cherah Dam Rawalpindi	0.000	5,307.220	38.615	433.000	0.000	0.000	0.000	433.000	0.000	433.000	605.000	364.000	0.000
		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. Land acquisition 6425 kanal ii. Shifting of infrastructure road 1 No. , houses 140 No. , poultry farm 12 No, common place 4 No., school 1 No.iii. Deployment of consultants													
		District and Tehsil	Rawalpindi , Rawalpindi													
3408	30	Name of the Scheme	Construction of Small Dams in Distt. Attock (Haji Shah Dam)	0.000	196.126	119.378	76.748	0.000	0.000	0.000	76.748	0.000	76.748	0.000	0.000	0.000
		Approval Date	Revised Approved 26.09.05													
		Major Components	To bring 1520 acres of land under irrigation and to supply drinking water to nearby abadies.Main dam, spillway, coffor 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 , Attock Hazro													

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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
3409	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 No.  Major Targets i. Main dam 3 No.ii. Spillway 3 No.iii. Coffor dam 3 No.  District and Tehsil Attock	0.000	404.376	300.000	104.376	0.000	0.000	0.000	104.376	0.000	104.376	0.000	0.000	0.000
3410	32	Name of the Scheme Construction of Small Dams in Distt. Chakwal (Dhurabi Dam & Minwal Dam)  Approval Date Approved 15.08.05  Major Components To bring 7150 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. Spillway 1 No.ii. Irrigation channel 15 km.iii. Outlet structures.iv. Inspection huts 2 No.  District and Tehsil Chakwal	0.000	435.550	395.850	39.700	0.000	0.000	0.000	39.700	0.000	39.700	0.000	0.000	0.000

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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
3411	33	Name of the Scheme Construction of Small Dams in Distt. Chakwal Phase-II (Dhoke Hum, Munde, Dhoke Jhang & Uthwal/Lakwal Dam).  Approval Date Approved.19.11.07  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. Coffe dam4No.iv. Outlet structuresv. Inspection hut 4 No.vi. Irrigation channel 4 No.  Major Targets Construction of. Main dam 4 No.ii. Spillway 4 No.iii. Coffe dams 4 No.  District and Tehsil Chakwal	0.000	804.200	426.577	150.000	0.000	0.000	0.000	150.000	0.000	150.000	228.000	0.000	0.000
3412	34	Name of the Scheme Command Area Development Works  Approval Date Approved 10.10.05  Major Components To bring 2630 acres of land under assured irrigation.Development of command area of small dams by intensive training and education of farmers and construction of demonstration plots for production of cash crops.  Major Targets i. Deployment of staff.  District and Tehsil Rawalpindi, Jhelum, Chakwal, Attock , Rawalpindi,Gujar Khan Jhelum, Chakwal, Attock, Hazro	0.000	163.564	94.640	0.000	30.000	0.000	0.000	0.000	30.000	30.000	39.000	0.000	0.000
<b>Sub-Total: Small Dams</b>			<b>0.000</b>	<b>7,787.586</b>	<b>1,674.960</b>	<b>980.474</b>	<b>30.000</b>	<b>0.000</b>	<b>0.000</b>	<b>980.474</b>	<b>30.000</b>	<b>1,010.474</b>	<b>872.000</b>	<b>364.000</b>	<b>0.000</b>



## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
						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

### Buildings

3413	35	Name of the Scheme	Rehabilitation/Improvement of Rawal Dam Colony Islamabad and Chakwal Dams Colony Chakwal.	0.000	120.321	69.258	51.063	0.000	0.000	0.000	51.063	0.000	51.063	0.000	0.000	0.000
		Approval Date	Approved Revised 06-12-07													
		Major Components	To facilitate the field officers for discharging their duties efficiently.i. Roof treatment of the age old residential/office buildings.ii. Improvement of roads/ foot paths & boundary Walls.iii. Construction of water tanks.													
		Major Targets	i. Roof treatment of the age old residential/office buildings.ii. Improvement of roads/ foot paths & boundary Walls.iii. Construction of water tanks.													
		District and Tehsil	Chakwal , ChakwalIslamabad													
3414	36	Name of the Scheme	Constructing Offices of Area Water Boards of Lower Chenab Canal East & West Circles Faisalabad.	0.000	41.560	1.060	40.500	0.000	0.000	0.000	40.500	0.000	40.500	0.000	0.000	0.000
		Approval Date	Approved 24-09-07													
		Major Components	To provide an easy access to the farmers of canal commands for resolving their canal water related problems. Construction of office buildings 20,000 sft.													
		Major Targets	Construction of office buildings 20,000 sft.													
		District and Tehsil	Faisalabad , Faisala-bad													

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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
3415	37	Name of the Scheme <b>Improvement &amp; Rehabilitation of Government Engineering Academy Complex</b>	0.000	38.977	10.000	28.977	0.000	0.000	0.000	28.977	0.000	28.977	0.000	0.000	0.000
		Approval Date	Approved13.10.08												
		Major Components	Due to construction of fly over along the academy & to improve, update teaching as well as accommodation 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												
3416	38	Name of the Scheme <b>Improvement in Sewerage System of Canal Colony of Pul Mouj Darya Multan</b>	0.000	25.079	17.000	8.079	0.000	0.000	0.000	8.079	0.000	8.079	0.000	0.000	0.000
		Approval Date	Approved12.08.08												
		Major Components	The condition of existing sewerage system is badly deteriorated and is not compatible with the present requirement.supply & laying of sewerage pipelines.												
		Major Targets	Supply & laying of sewerage pipelines												
		District and Tehsil	Multan												

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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
3417	39	Name of the Scheme Construction of Residential Buildings in D.G Khan Irrigation Zone, D.G Khan.  Approval Date Approved 12.08.08  Major Components To provide residential accommodation to officers & staff of the zone 103553 sft plinth area is required for the construction of residential buildings for officers and staff of D.G Khan Irrigation Zone. i. Earth work ii. Brick work iii. Concrete work  Major Targets Completion of residential building  District and Tehsil Dera Ghazi Khan , D.G Khan	0.000	88.279	38.279	50.000	0.000	0.000	0.000	50.000	0.000	50.000	0.000	0.000	0.000
3418	40	Name of the Scheme Extension & Improvement of Hydraulic Research Station, Nandipur.  Approval Date Approved 15.11.05  Major Components To improve & modernize the research station i. Up-gradation of hydraulic instrumentation section. ii. Creation of mathematation/ computer modeling section. iii. Modernization of museum hall. iv. Rehabilitation of residences in hydraulic research station  Major Targets i. Up-gradation of hydraulic instrumentation section. ii. Creation of mathrummentation /computer modeling section. iii. Rehabililitation of residences hydraulic research station. iv. Procurement of equipment for hydralucic models, current meters & surveying instruments.  District and Tehsil Lahore, Gujrawala , Gujranwala	0.000	69.430	46.127	23.303	0.000	0.000	0.000	23.303	0.000	23.303	0.000	0.000	0.000

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
						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
3419	41	Name of the Scheme Construction of PIDA Secretariat & Offices of Area Water Boards, DG Khan, Bahawalnagar & LBDC Circle Sahiwal	0.000	104.374	70.000	34.374	0.000	0.000	0.000	34.374	0.000	34.374	0.000	0.000	0.000
		Approval Date	Approved18.10.08												
		Major Components	To provide an easy access to the farmers of canal commands for resolving their canal water related problems. Construction of office buildings 20,000 sft.i. Designing.ii. Civil works.iii. Procurements of furniture & fixture.												
		Major Targets	Construction of office building of Area Water Board of LBDC circle Sahiwal, Bahawalnagar & D.G.Khan												
		District and Tehsil	Sahiwal, Dera Ghazi Khan, Bahawalnagar , Sahiwal, DG Khan & Bahawalnagar												
<b>Sub-Total: Buildings</b>			<b>0.000</b>	<b>488.020</b>	<b>251.724</b>	<b>236.296</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>236.296</b>	<b>0.000</b>	<b>236.296</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
						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

### Miscellaneous

3420	42	Name of the Scheme	Preparation of Database and Monitoring of Electricity Bills of Government of the Punjab.	0.000	18.087	14.789	0.000	3.298	0.000	0.000	0.000	3.298	3.298	0.000	0.000	0.000
		Approval Date	Approved Revised 15.12.01													
		Major Components	To avoid surcharge, over billing and disconnection of Govt connections by WAPDA.i. Strengthening of Reconciliation Cell.ii. Development of software to make available the data on Punjab Government Web Site.iii. Identification & deletion of un-related connections from Punjab Government list.iv. Timely replacement of Defective meters.v. Reconciliation of electricity bills on monthly basis and dispatch of vital information to all Departments, Autonomous Bodes, District Governments and TMAs.													
		Major Targets	On the average annual saving of Rs. 100 to Rs. 200 Million is expected with the execution of this project. Computerization of 50 Thousands of Government connection and their reconciliation of the energy bills on monthly basis so as to avoid surcharges and disconnection.ii. Preparation of Web Pages and release of vital information on it.iii. Training of focal persons from all Government/ Autonomous Bodies for Reconciliation of electricity bill through internet.													
		District and Tehsil	Punjab													

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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
3421	43	Name of the Scheme Establishment of Farmers Organizations under Institutional Reforms.  Approval Date Approved 26.12.06  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	0.000	537.960	185.000	0.000	50.000	0.000	0.000	0.000	50.000	50.000	50.000	50.000	202.960
<b>Sub-Total: Miscellaneous</b>			<b>0.000</b>	<b>556.047</b>	<b>199.789</b>	<b>0.000</b>	<b>53.298</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>53.298</b>	<b>53.298</b>	<b>50.000</b>	<b>50.000</b>	<b>202.960</b>
<b>Foreign Aided Projects</b>															
3422	44	Name of the Scheme Taunsa Barrage Emergency Rehabilitation & Modernization.  Approval Date Approved Revised 07.01.04  Major Components To provide sustainable canal supply to 3.0 M acres of irrigated lands.i. Subsidiary Weir 4400 feet.ii. Strengthening Existing Floors 4400 feet.iii. Guide Bund 2000 feet. iv. Replacement of gates 11 No.v. Raising gates height 54 No.vi. Replacement of Decking 65 No.vii. Head Regulator gates 19 No.  Major Targets Settlements of claims  District and Tehsil Muzaffargarh , Kot Addu	10,097.000	11,232.380	11,133.970	5.680	0.000	92.730	0.000	98.410	0.000	98.410	0.000	0.000	0.000

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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
3423	45	Name of the Scheme Rehabilitation of LCC System Part-B.  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, Hafizabad, Toba Tek Singh , FSD, SKP, HFD, TTSGojra	6,673.841	9,142.248	4,062.889	180.000	1.000	1,784.000	0.000	1,964.000	1.000	1,965.000	1,929.000	1,186.000	0.000
3424	46	Name of the Scheme Lower Bari Doab Canal Improvement Project (PC-I).  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. Deployment of Consultants 6 No.iii. Establishment of PMU 1 No.iv.Institutional Reforms (formation of FOs 75 No.)v. Refurbisha. LBDC head regulatorb. BS Link head regulatorvi.Costruction of Bridge over flood channel  District and Tehsil Okara,Kasur,Sahiwal,Khanewal , OkaraKasurSahiwalKhanewal	13,741.000	17,176.200	790.272	200.000	100.000	1,080.000	0.000	1,280.000	100.000	1,380.000	2,000.000	2,500.000	10,505.930

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
						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
3425	47	Name of the Scheme	600.000	609.000	40.000	0.000	2.000	0.000	100.000	0.000	102.000	102.000	250.000	217.000	0.000
		Project Preparation of Punjab Irrigated Agriculture Improvement Programme (PIAIP) PC-II.													
		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

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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
3426	48	Name of the Scheme	44.820	79.689	7.500	0.000	4.959	0.000	13.088	0.000	18.047	18.047	19.000	19.000	16.142
		Optimization Canal and Ground Water Management to Assist Water User Association in Maximizing Crop Production and Managing Salinisation with Australian Assistance													
		Approval Date													
		approved03-11-07													
		Major Components													
		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 & 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.													
		Major Targets													
		i. To obtain spatial crop, soil, and water availability & quality data (Irrigation & 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 encironmentally sustainable canal and													

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012		
						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	
		groundwater management options in the study areas.														
		District and Tehsil	Jhang,Toba Tek Singh,Faisalabad													
3427	49	Name of the Scheme	Renewable Energy Development Programme (REDSIP)- Construction of Marala Hydel Power Station.	1,091.000	4,001.000	13.000	10.000	20.000	80.000	0.000	90.000	20.000	110.000	1,000.000	1,500.000	1,378.000
		Approval Date	Approved19-09-07													
		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.													
		District and Tehsil	Sialkot,Gujranwala,Sheikhupura,Okara, Pakpattan , SialkotGujranwalaSheikhupuraOkaraPakpattan													

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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
3428	50	Name of the Scheme Punjab Irrigation System Improvement Project.	5,509.131	6,260.376	12.826	32.000	20.000	468.000	0.000	500.000	20.000	520.000	500.000	2,000.000	3,227.550
		Approval Date	Approved13-08-07												
		Major Components	To modernize the canal system, rehabilitation and to provide sustainable and integrated approach to the management for an area of 1.350 Million Acres.i. Rehabilitation and up-gradation of 236 No. Distys and Minors 2120 KMii. Deployment of consultants 1 No.iii. Ground Water Management Programme. 1 No.iv. Institutional Development Reforms/ formation of FO's 70 No. v. Establishment of PMU 1 No.												
		Major Targets	i. Rehabilitation and up-gradation of Distys and Minors 100 KMii. Deployment of consultants 1 No.iii. Institutional Development Reforms/ formation of FO's 70 No. Iv. Establishment of PMU 1 No.												
		District and Tehsil	Lahore,Bahawalnagar,BahawalpurDer a Ghazi Khan,Rajanpur,Faisalabad,Jhang,Toba Tek Singh , LahoreBahawalnagarBahawalpurDG KhanRajanpurHafizpurFaisalabadJhangTT Singh												
<b>Sub-Total: Foreign Aided Projects</b>			<b>37,756.792</b>	<b>48,500.893</b>	<b>16,060.457</b>	<b>427.680</b>	<b>147.959</b>	<b>3,504.730</b>	<b>113.088</b>	<b>3,932.410</b>	<b>261.047</b>	<b>4,193.457</b>	<b>5,698.000</b>	<b>7,422.000</b>	<b>15,127.622</b>
<b>Total: ON-GOING SCHEMES</b>			<b>37,756.792</b>	<b>67,872.904</b>	<b>23,318.820</b>	<b>5,067.794</b>	<b>280.388</b>	<b>3,504.730</b>	<b>113.088</b>	<b>8,572.524</b>	<b>393.476</b>	<b>8,966.000</b>	<b>7,515.000</b>	<b>8,502.000</b>	<b>15,339.316</b>

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
						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

### NEW SCHEMES

#### Survey Investigation & Research

3429	51	Name of the Scheme	Design Review of Kalabagh Dam	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
		Approval Date	Un-Approved													
		Major Components	To augment water resources for developing Agro based industry:i. Deployment of Engg. Staffii. Design Review													
		Major Targets	i. Deployment of Engg. Staffii. Design Review													
		District and Tehsil	Mianwali , Daudkhel													
<b>Sub-Total: Survey Investigation &amp; Research</b>				<b>0.000</b>	<b>500.000</b>	<b>0.000</b>	<b>1.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1.000</b>	<b>0.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>0.000</b>

#### Irrigation

3430	52	Name of the Scheme	Rehabilitation of Jhang Branch Upper	0.000	800.000	0.000	10.000	0.000	0.000	0.000	10.000	0.000	10.000	300.000	490.000	0.000
		Approval Date	Un-Approved													
		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 mileii. Rehab of Structures 2o iii.Construction of cattle bath 2													
		District and Tehsil	Jhang													
3431	53	Name of the Scheme	Rehabilitation of Bahawana Branch	0.000	300.000	0.000	10.000	0.000	0.000	0.000	10.000	0.000	10.000	225.000	65.000	0.000
		Approval Date	Un-Approved													
		Major Components	To ensure sustainable supply to 0.155 m cca i. Rehabilitation of irrigation channels 7.5 mile ii. Rehab of tructures 7. iii. Lining of channel 4 mile													
		Major Targets	i. Rehabilitation of irrigation channels 2 mileii. Rehab of structures 2 iii. Lining of channel 4 mile													
		District and Tehsil	Jhang													

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012		
						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	
3432	54	Name of the Scheme Extension of Tail Ananta Minor from RD. 18300 to 22061.  Approval Date Un-Approved Major Components To save losses and ensure equitable supply at tail E/W 0.50 Million Cft Repairing Acqueduct 1 Major Targets E/W 0.50 Million Cft Repairing Acqueduct 1 District and Tehsil Gujranwala , Kamoke	0.000	10.000	0.000	10.000	0.000	0.000	0.000	0.000	10.000	0.000	10.000	0.000	0.000	0.000
3433	55	Name of the Scheme New Khanki Barrage Construction Project  Approval Date Un-Approved Major Components To provide sustainable canal supply to 3.02 Million Acre of Irrigated Land in LCC CommandConstruction of i. New Khanki Barrage with storage capacityii. Hydel Power Stationiii. Head Regulator for LCCiv. Channel for connecting new LCC head regulator with existing canalv. New Guide BundsDismantling of old Khanki weir Deployment of Consultants and counterpart staff Major Targets Deployment of Consultants and counterpart staffConstruction of i. Cofferdamii. Renovation of Buildings District and Tehsil Gujranwala , Wazirabad	0.000	23,442.000	0.000	50.000	0.000	0.000	0.000	0.000	50.000	0.000	50.000	962.000	776.000	21,159.000

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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
3434	56	Name of the Scheme Rehabilitation of BRBD Link Canal RD 178+000 to 260+000	0.000	720.000	0.000	10.000	0.000	0.000	0.000	10.000	0.000	10.000	250.000	252.000	208.000
		Approval Date	Un-Approved												
		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												
3435	57	Name of the Scheme Extension of Tail New Minor from RD 10+227 to RD 30+227	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
		Approval Date	Un-Approved												
		Major Components	To improve aquitable water supply to the irrigation i.Earth work 0.50 million cft. ii.Remodeleing from RD 0-10227 =2.05 miles iii.Providing aquaduct at Dek Nullah. 1 iv.Providing Bridge 5 .												
		Major Targets	i. Earth work 0.50 million cft. ii. Remodeleing from RD 0-10227 =2.05 miles iii. Providing aquaduct at Dek Nullah. 1 iv. Providing Bridge 5												
		District and Tehsil	Sheikhupura , Muridke												

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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
3436	58	Name of the Scheme Rehabilitation of Multan Branch from RD: 0 to 97+980 (Tail)  Approval Date Un-Approved 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	0.000	200.000	0.000	17.480	0.000	0.000	0.000	17.480	0.000	17.480	115.000	68.000	0.000
3437	59	Name of the Scheme Construction of Gujrat Disty and Salman Minor to mitigate tail shortage in Basira Sub Division  Approval Date Un-Approved Major Components To ensure sustainable supply to a CCA of 9440 acre by constructing new channels having length 23000 ft (i) Bridge -I (iii) Head regulator 2 (iii) Acqueduct -2 (vi) Raising Muzaffargarh Canal 177+00 to 206+700 Major Targets (1) Raising Muzaffargarh Canal from RD:177+000 to 206+700 District and Tehsil Muzaffargarh , Kot Addu	0.000	100.000	0.000	10.000	0.000	0.000	0.000	10.000	0.000	10.000	77.400	0.000	0.000
3438	60	Name of the Scheme Rehabilitation of 6-L/Ahmedpur (AP)Branch  Approval Date Un-Approved Major Components To improve supply at tails2. To ensure equitable distribution3. To reduce chances of breaches a Earth work b. Brick Work.Brick Liningc. Plastar concrete d. Fabrication of MS bars Major Targets a Earth work , b. Brick Work.Brick Lining , c. Plastar concrete , d. Fabrication of MS bars District and Tehsil Bahawalpur , Ahmedpur	0.000	400.000	0.000	20.000	0.000	0.000	0.000	20.000	0.000	20.000	380.000	0.000	0.000

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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
3439	61	Name of the Scheme Rehabilitation of Bhong Disty System  Approval Date Un-Approved Major Components To improve supply at tails To ensure equitbale distribution To reduce chances of breaches Earth work, Brick Work, Brick Lining ,Plastar concrete Fabrication of MS bars  Major Targets Brick Work.Brick Lining ,. PlastarConcrete , Fabrication of MS bars  District and Tehsil Rahim Yar Khan , Sadiqabad	0.000	500.000	0.000	10.000	0.000	0.000	0.000	10.000	0.000	10.000	200.000	290.000	0.000
3440	62	Name of the Scheme Selective Lining of Irrigation Channels in Punjab Phase-II  Approval Date Un-Approved 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	0.000	85.000	0.000	0.000	0.000	85.000	0.000	85.000	100.000	380.000	425.000
3441	63	Name of the Scheme Rehabilitation of Azim Disty  Approval Date Un-Approved Major Components 1. To improve supply at tails2. To ensure equitbale distribution3. To reduce chances of breaches Earth work , Brick Work.Brick Lining , PlastarConcrete , Fabrication of MS bars  Major Targets Earth work , Brick Work.Brick Lining , PlastarConcrete , Fabrication of MS  District and Tehsil Bahawalnagar,Bahawalpur , Chishtian,Hasilpur	0.000	195.000	0.000	10.000	0.000	0.000	0.000	10.000	0.000	10.000	100.000	85.000	0.000
<b>Sub-Total: Irrigation</b>			<b>0.000</b>	<b>27,667.000</b>	<b>0.000</b>	<b>252.480</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>252.480</b>	<b>0.000</b>	<b>252.480</b>	<b>2,709.400</b>	<b>2,406.000</b>	<b>21,792.000</b>



## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
						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

### Drainage

3442	64	Name of the Scheme	Remodelling of Mona Drainage System	0.000	200.000	0.000	20.000	0.000	0.000	0.000	20.000	0.000	20.000	150.000	40.000	0.000
		Approval Date	Un-Approved													
		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 , Sargodha& Bhalwal													
3443	65	Name of the Scheme	Construction of Ranmal Drain RD 0+35000.	0.000	50.290	0.000	50.290	0.000	0.000	0.000	50.290	0.000	50.290	0.000	0.000	0.000
		Approval Date	Approved 28.08.08													
		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 bridges Construction of 6 km drain													
		District and Tehsil	Mandi Bahauddin , Phalia													
3444	66	Name of the Scheme	Enhancing Capacity of Charar Drain to Cater for Rain Water of Ring road	0.000	400.000	0.000	50.000	0.000	0.000	0.000	50.000	0.000	50.000	200.000	150.000	0.000
		Approval Date	Un-Approved													
		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													

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
						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
3445	67	Name of the Scheme Channelization of Deg Nullah from Muridke Narowal Road to Outfall	0.000	800.000	0.000	40.000	0.000	0.000	0.000	40.000	0.000	40.000	368.000	412.000	0.000
		Approval Date	Un-Approved												
		Major Components	To provide facility for disposal of flood water to an area of 323 sq km i. Channelization of nullah 32 km ii. Construction of new drain 27.5 km and 71 structures												
		Major Targets	i. Channelization of nullah 10 km ii. Construction of new drain 27.5 km and 30 structures.												
		District and Tehsil	Sheikhupura, Narowal, Muridke Narowal SKP												
3446	68	Name of the Scheme Rehabilitation of Drainage System in Sargodha Irrigation Zone	0.000	300.000	0.000	50.000	0.000	0.000	0.000	50.000	0.000	50.000	150.000	120.000	0.000
		Approval Date	Un-Approved												
		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, Jhelum, Mandi Bahauddin, Khushab, Mianwali, Sargodha, Gujrat, Jhelum, M.B Din, Khushab & Mianwali												
3447	69	Name of the Scheme Rehabilitation of Drainage System in Faisalabad Irrigation Zone	0.000	300.000	0.000	40.000	0.000	0.000	0.000	40.000	0.000	40.000	150.000	130.000	0.000
		Approval Date	Un-Approved												
		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, Sheikhupura, Jhang, Toba Tek Singh, Faisalabad, Sheikhupura, Jhang, T. T Singh												

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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>Sub-Total: Drainage</b>			0.000	2,050.290	0.000	250.290	0.000	0.000	0.000	250.290	0.000	250.290	1,018.000	852.000	0.000
<b>Flood Works</b>															
3448	70	Name of the Scheme	Protection of Villages from Erosive Action of Aik Nullah in Distt Sialkot	0.000	100.000	0.000	100.000	0.000	0.000	0.000	0.000	100.000	0.000	0.000	0.000
		Approval Date	Un-Approved												
		Major Components	Channellization of Aik Nullah												
		Major Targets	Channellization of Aik Nullah												
		District and Tehsil	Sialkot												
3449	71	Name of the Scheme	Land Acquisition for Construction of River Training Works Executed under PSDP	0.000	39.570	0.000	39.570	0.000	0.000	0.000	0.000	39.570	0.000	0.000	0.000
		Approval Date	Un-Approved												
		Major Components	Land acquisition 167 acres. Crop compensation 358 acres												
		Major Targets	Land acquisition 167 acres. Crop compensation 358 acres.												
		District and Tehsil	Punjab												
3450	72	Name of the Scheme	Management of Hill Torrents in DG Khan Irrigation Zone Sori Lund, Vidore , Mithawan, Kaha and Chachar	0.000	2,000.000	0.000	55.000	0.000	0.000	0.000	0.000	55.000	0.000	55.000	200.000
		Approval Date	Un-Approved												
		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 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>			0.000	2,139.570	0.000	194.570	0.000	0.000	0.000	194.570	0.000	194.570	200.000	140.000	800.000

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
						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

### Small Dams

3451	73	Name of the Scheme	Rehabilitation and Improvement of Existing Dams and Irrigation Channels in Small Dams Organization	0.000	500.000	0.000	50.000	0.000	0.000	0.000	50.000	0.000	50.000	200.000	250.000	0.000
		Approval Date	Un-Approved													
		Major Components	Rehabilitation / repair of existing channels													
		Major Targets	Acquisition of land for pond, irrigation dam and allied structures.													
		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>500.000</b>	<b>0.000</b>	<b>50.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>50.000</b>	<b>0.000</b>	<b>50.000</b>	<b>200.000</b>	<b>250.000</b>	<b>0.000</b>

### Buildings

3452	74	Name of the Scheme	Constructing Residential Colony for the Officers / Officials of Flood Bund Division Narowal	0.000	70.000	0.000	70.000	0.000	0.000	0.000	70.000	0.000	70.000	0.000	0.000	0.000
		Approval Date	Un-Approved													
		Major Components	To provide residencs to officers / officials of Flood Bund Division Narowal) Construction of 77 residencial for grade 1 to 18 .													
		Major Targets	onstruction of 77 residencial for grade 1 to 18 .													
		District and Tehsil	Narowal													
<b>Sub-Total: Buildings</b>				<b>0.000</b>	<b>70.000</b>	<b>0.000</b>	<b>70.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>70.000</b>	<b>0.000</b>	<b>70.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

### Miscellaneous

3453	75	Name of the Scheme	Augmentation of Earth Moving Machinery in Irrigation & Power Department	0.000	530.000	0.000	90.000	0.000	0.000	0.000	90.000	0.000	90.000	239.600	201.000	0.000
		Approval Date	Un-Approved													
		Major Components	To procure earth moving machinery for enhancement of desilting capacity I. Procurement of 10 Excavators													
		Major Targets	I. Procurement of 10 Excavators													
		District and Tehsil	Punjab													

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
			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
3454	76	Name of the Scheme Establishment of Incubation & Facilitation Centre for New Consulting Firms in Irrigation & Power Departments  Approval Date Un-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	0.000	30.000	0.000	0.000	30.000	0.000	0.000	0.000	30.000	30.000	0.000	0.000	0.000
<b>Sub-Total: Miscellaneous</b>			<b>0.000</b>	<b>560.000</b>	<b>0.000</b>	<b>90.000</b>	<b>30.000</b>	<b>0.000</b>	<b>0.000</b>	<b>90.000</b>	<b>30.000</b>	<b>120.000</b>	<b>239.600</b>	<b>201.000</b>	<b>0.000</b>
<b>Foreign Aided Projects</b>															
3455	77	Name of the Scheme Rehabilitation and Modernization of Jinnah Barrage.  Approval Date Un-Approved Major Components To provide sustainable canal supply to 2.1 Million Acre.Rehabilitation of:i. Main weirii. Gatesiii. U/S and D/S floorsiv. Deployment of consultants and counterpart staff Major Targets Deployment of consultants and counterpart staffConstruction ofi. Cofferdamii. Main Weir (25%)Renovation of buildings  District and Tehsil Mianwali , Daudkhel	9,000.000	10,000.000	0.000	5.000	0.000	45.000	0.000	50.000	0.000	50.000	617.000	1,648.000	7,685.000

## IRRIGATION

(Million Rs)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2008-09	Provision for 2009-10						Projection for 2010-11	Projection for 2011-12	Throw fwd beyond June, 2012	
						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
3456	78	Name of the Scheme Constructing Additional V.R Bridges on Disty & Minors in Chashma Right Bank Canal Division, Taunsa Sharif.	36.071	45.660	0.000	9.590	0.000	36.070	0.000	45.660	0.000	45.660	0.000	0.000	0.000
		Approval Date	Approved30.09.06												
		Major Components	To provide cross over facilities to the people in the project area for an easy access to farms, markets, schools and hospitals.Construction of 56 No. V.R bridges.												
		Major Targets	Construction of 56 No. V.R bridges.												
		District and Tehsil	Dera Ghazi Khan , Taunsa Sharif												
<b>Sub-Total: Foreign Aided Projects</b>			<b>9,036.071</b>	<b>10,045.660</b>	<b>0.000</b>	<b>14.590</b>	<b>0.000</b>	<b>81.070</b>	<b>0.000</b>	<b>95.660</b>	<b>0.000</b>	<b>95.660</b>	<b>617.000</b>	<b>1,648.000</b>	<b>7,685.000</b>
<b>Total: NEW SCHEMES</b>			<b>9,036.071</b>	<b>43,532.520</b>	<b>0.000</b>	<b>922.930</b>	<b>30.000</b>	<b>81.070</b>	<b>0.000</b>	<b>1,004.000</b>	<b>30.000</b>	<b>1,034.000</b>	<b>4,985.000</b>	<b>5,498.000</b>	<b>30,277.000</b>
<b>Grand Total</b>			<b>46,792.863</b>	<b>111,405.424</b>	<b>23,318.820</b>	<b>5,990.724</b>	<b>310.388</b>	<b>3,585.800</b>	<b>113.088</b>	<b>9,576.524</b>	<b>423.476</b>	<b>10,000.000</b>	<b>12,500.000</b>	<b>14,000.000</b>	<b>45,616.316</b>