

# **MINES & MINERALS**

## **VISION**

To promote and facilitate Mines and Minerals exploration in Punjab to attract foreign and local investment in this sector, thereby enhancing the contribution of Mines and Minerals in the Provincial GDP.

## **POLICY / STRATEGY**

- Encourage and support exploration of minerals, particularly through private sector
- Strengthen Government's role as a facilitator to create 'enabling environment' for the respective investors in mines and minerals sector
- Promote environment-friendly mining practices and to take measures for mitigation of environmental hazards of mining for sustainable development of mineral sector
- Develop schemes for welfare and safety of mine workers
- Provide internationally competitive regulatory framework – mining concession rules and restructuring of the institutional arrangements for administration in the light of practices followed in developed countries

## **STRATEGIC INTERVENTIONS**

- Transformation from regulatory paradigm to a research and exploration oriented entity.
- Exploration and resource estimation of iron ore, metallic and allied minerals.
- Defining and mapping resource corridors for Metallic, Energy and Industrial Minerals.
- Establishment of Model Mines based on semi mechanized mining techniques
- Environment friendly mining practices and to take measures for mitigation of hazards of mining for sustainable development of mineral sector
- Schemes for new resources, up scaling of HR and capacity Building, and rescue facilities for mine workers.

## **ACHIEVEMENTS OF FINANCIAL YEAR 2015-16**

- Reorienting the outlook of Department from regulatory paradigm to a research oriented / exploration oriented entity.
- Undertaking the first ever power project of 330 MW mine mouth model based on indigenous coal.

- First ever complete exploration, drilling and estimation of Copper & Iron Resources in Chiniot / Rajoa with local funding.
- Feasibility of first ever steel mill in Punjab based on indigenous raw material.
- Highest ever auction of stone in Sargodha District.
- Completion of Legal Framework Review for Minor Minerals.
- Legal Framework Review for large Scale Mining is near completion.
- Commencement of 2<sup>nd</sup> Phase of exploration of metallic minerals.

## **NEW INITIATIVES**

- Exploration and Development of Metallic Minerals
- Regional Exploration and Resource Estimation of Iron Ore and Other Minerals in Districts Chiniot, Faisalabad and other areas of Punjab
- Defining and mapping resource corridors of Punjab for Metallic, Energy and Industrial Minerals
- Economic Exploitation of Energy Minerals
- Development of 330 MW Local Coal Fired Power Plant in Pind Dadan Khan
- Development and Implementation of Coal Pricing Framework in Punjab
- Review of Legal Framework
- Investment Promotion involving Large Scale Mining
- Restructuring of Mines & Minerals Department on modern lines through International Firms/Consortia
- Short Term Skills Development Programme for imparting training to 4125 trainees.
- Automation and Digitization of Mining Work
- Strengthening of Mine sample Testing Laboratory in Khushab
- Rehabilitation of Training Mine for Mine Supervisors and Mining Technicians in Katas, Chakwal
- Identification of effective strategies for Revival of Abandoned Coal Mines in Salt Range / Trains Indus Range
- Feasibility study for delineation of Rock Salt Potential Blocks in Salt Range

## **TARGETS FOR FINANCIAL YEAR 2016-17**

- Completion of Feasibility Study of Chiniot Rajoa
- Completion of Exploration at Regional level
- Completion and operationalization of scheme titled “Mines Rescue & Safety Area. Sub Station, Ara Basharat”

- Completion of Restructuring of Department
- Commencement of project for defining & mapping of mineral resources corridors in Punjab
- Feasibility study for provision of roads infrastructure to facilitate coal supply to Mines Mouth Coal Project
- Piloting of semi mechanized mining techniques in salt range

### **TREND OF ALLOCATIONS**

Rs. in million

<b>Sr. No.</b>	<b>Year</b>	<b>Allocation</b>
1.	2011-12	300
2.	2012-13	300
3.	2013-14	421
4.	2014-15	260
5.	2015-16	450
6.	2016-17	393

### **OTHER DEVELOPMENT INITIATIVES 2016-17**

- An allocation of Rs.1500 million has been provided for Punjab Mineral Company

**MTDF 2016-19**  
**Mines & Minerals : Summary**  
**Development Programme 2016-17**

(Million Rs.)

Sub-Sector	Capital	Revenue	Total	F. Aid	Total
<b>On-Going Schemes</b>					
Regular	25.832	211.957	237.789	-	237.789
<b>Total</b>	<b>25.832</b>	<b>211.957</b>	<b>237.789</b>	<b>-</b>	<b>237.789</b>
<b>New Schemes</b>					
Regular	18.500	136.711	155.211	-	155.211
<b>Total</b>	<b>18.500</b>	<b>136.711</b>	<b>155.211</b>	<b>-</b>	<b>155.211</b>
<b>Total (Ongoing + New)</b>	<b>44.332</b>	<b>348.668</b>	<b>393.000</b>	<b>-</b>	<b>393.000</b>

**Development Programme 2017-18**

<b>On-Going Schemes</b>					
Regular	50.000	265.000	315.000	-	315.000
<b>Total</b>	<b>50.000</b>	<b>265.000</b>	<b>315.000</b>	<b>-</b>	<b>315.000</b>
<b>New Schemes</b>					
Regular	25.000	110.000	135.000	-	135.000
<b>Total</b>	<b>25.000</b>	<b>110.000</b>	<b>135.000</b>	<b>-</b>	<b>135.000</b>
<b>Total (Ongoing + New)</b>	<b>75.000</b>	<b>375.000</b>	<b>450.000</b>	<b>-</b>	<b>450.000</b>

**Development Programme 2018-19**

<b>On-Going Schemes</b>					
Regular	50.000	315.000	365.000	-	365.000
<b>Total</b>	<b>50.000</b>	<b>315.000</b>	<b>365.000</b>	<b>-</b>	<b>365.000</b>
<b>New Schemes</b>					
Regular	25.000	130.000	155.000	-	155.000
<b>Total</b>	<b>25.000</b>	<b>130.000</b>	<b>155.000</b>	<b>-</b>	<b>155.000</b>
<b>Total (Ongoing + New)</b>	<b>75.000</b>	<b>445.000</b>	<b>520.000</b>	<b>-</b>	<b>520.000</b>
<b>MTDF 2016-19: Grand</b>					<b>1,363.000</b>

## MINES & MINERALS: SUMMARY

(Million Rs.)

Type / Sub Sector	No. of Schemes	Provision for 2016-17				Projection for 2017-18	Projection for 2018-19
		Capital	Revenue	Foreign Aid	G. Total (Cap+Rev)		
<b><u>ON-GOING SCHEMES</u></b>							
Regular	6	25.832	211.957	0.000	237.789	298.957	171.016
<b>Total: ON-GOING SCHEMES</b>	<b>6</b>	<b>25.832</b>	<b>211.957</b>	<b>0.000</b>	<b>237.789</b>	<b>298.957</b>	<b>171.016</b>
<b><u>NEW SCHEMES</u></b>							
Regular	6	18.500	136.711	0.000	155.211	244.806	0.000
<b>Total: NEW SCHEMES</b>	<b>6</b>	<b>18.500</b>	<b>136.711</b>	<b>0.000</b>	<b>155.211</b>	<b>244.806</b>	<b>0.000</b>
<b>Total: ADP</b>	<b>12</b>	<b>44.332</b>	<b>348.668</b>	<b>0.000</b>	<b>393.000</b>	<b>543.763</b>	<b>171.016</b>
<b><u>OTHER DEVELOPMENT PROGRAMME</u></b>							
ODP	1	0.000	1,500.000	0.000	1,500.000	0.000	0.000
<b>Total: OTHER DEVELOPMENT PROGRAMME</b>	<b>1</b>	<b>0.000</b>	<b>1,500.000</b>	<b>0.000</b>	<b>1,500.000</b>	<b>0.000</b>	<b>0.000</b>
<b>Grand Total</b>	<b>13</b>	<b>44.332</b>	<b>1,848.668</b>	<b>0.000</b>	<b>1,893.000</b>	<b>543.763</b>	<b>171.016</b>

# MINES & MINERALS

(Million Rs.)

GS No	Scheme Information Approval Date / Location	Est. Cost	Accum. Exp June,16	Provision for 2016-17			MTDF Projections		Throw fwd Beyond June, 2019
				Cap	Rev	G. Total (Cap+Rev)	2017-18	2018-19	
1	2	3	4	5	6	7	8	9	10

## ON-GOING SCHEMES

### Regular

4617	Establishment of Mines Rescue & Safety Area Sub Station, Basharat 11-09-2015 Chakwal , Choa Saiden Shah	78.709	20.000	25.832	32.877	58.709	0.000	0.000	0.000
4618	Capacity Building & Sternngthening of Directorate General of Mines & Minerals Punjab, Lahore 28-04-2016 Lahore	168.110	73.748	0.000	50.000	50.000	38.957	0.000	0.000
4619	Geo-Physical Survey for Exploration of Metallic Minerals in the Pre-cambrian Shield Rocks in the Punjab (PC II) 24-01-2013 Chiniot	416.000	58.274	0.000	50.000	50.000	200.000	107.726	0.000
4620	Mineral Resources potential of Punjab (a) Energy Minerals (b) Metallic Minerals c) Industrial Minerals (PC-II) Un-Approved Punjab	173.290	0.000	0.000	50.000	50.000	60.000	63.290	0.000
4621	Study of Establishment of Model Mine based on Semi Mechnaized mining techniques in salt Range Khushab / Chakwal (PC-II) 17-12-2015 Chakwal, Khushab	22.080	0.000	0.000	22.080	22.080	0.000	0.000	0.000
4622	Study of Construction of Road Network to facilitate coal supply to Power Plant at Pind Dadan Khan (PC-II) 17-03-2016 Jhelum, Chakwal	7.000	0.000	0.000	7.000	7.000	0.000	0.000	0.000
<b>Sub-Total: Regular</b>		<b>865.189</b>	<b>152.022</b>	<b>25.832</b>	<b>211.957</b>	<b>237.789</b>	<b>298.957</b>	<b>171.016</b>	<b>0.000</b>
<b>Total: ON-GOING SCHEMES</b>		<b>865.189</b>	<b>152.022</b>	<b>25.832</b>	<b>211.957</b>	<b>237.789</b>	<b>298.957</b>	<b>171.016</b>	<b>0.000</b>

## NEW SCHEMES

### Regular

4623	Rehabilitation of Training Mine for Mine Supervisors and Mining Technicians, Katas. Un-Approved Chakwal , Choa Saiden Shah	59.000	0.000	7.000	20.000	27.000	32.000	0.000	0.000
4624	Completion of Leftover Works of the MLW Girls Higher Secondary School at Chak no. 119/SB, Tehsil Sillan wali, District Sargodha Un-Approved Sargodha	27.000	0.000	11.500	0.000	11.500	15.500	0.000	0.000
4625	Strengthening of Mine Sample Testing Laboratory, Khushab. Un-Approved Khushab	80.000	0.000	0.000	13.405	13.405	65.000	0.000	0.000
4626	Short Term Skills Development Project  (Chief Minister's Skills Development Initiative) 19-02-2016 Chakwal,Khshab,Mianwali	160.612	0.000	0.000	83.306	83.306	77.306	0.000	0.000
4627	Identification of effective strategies to optimize coal production through revival of abandoned coal mines in Salt Range/Trains Indus Range (District Jhelum, Chakwal, Khushab and Mianwali, Punjab Un-Approved Jhelum, Chakwal, Khushab and Mianwali	25.000	0.000	0.000	10.000	10.000	15.000	0.000	0.000

# MINES & MINERALS

(Million Rs.)

GS No	Scheme Information Approval Date / Location	Est. Cost	Accum. Exp June,16	Provision for 2016-17			MTDF Projections		Throw fwd Beyond June, 2019
				Cap	Rev	G. Total (Cap+Rev)	2017-18	2018-19	
1	2	3	4	5	6	7	8	9	10
4628	Study of Rock Salt Potential Blocks in Salt Range Punjab (PC-II) Un-Approved Jhelum, Chakwal, Khushab & Mianwali	50.000	0.000	0.000	10.000	10.000	40.000	0.000	0.000
<b>Sub-Total: Regular</b>		401.612	0.000	18.500	136.711	155.211	244.806	0.000	0.000
<b>Total: NEW SCHEMES</b>		401.612	0.000	18.500	136.711	155.211	244.806	0.000	0.000
<b>Total: ADP</b>		1,266.801	152.022	44.332	348.668	393.000	543.763	171.016	0.000
<b><u>OTHER DEVELOPMENT PROGRAMME</u></b>									
<b>ODP</b>									
4629	Punjab Minerals Company Punjab	1,500.000	0.000	0.000	1,500.000	1,500.000	0.000	0.000	0.000
<b>Sub-Total: ODP</b>		1,500.000	0.000	0.000	1,500.000	1,500.000	0.000	0.000	0.000
<b>Total: OTHER DEVELOPMENT PROGRAMME</b>		1,500.000	0.000	0.000	1,500.000	1,500.000	0.000	0.000	0.000
<b>Grand Total</b>		2,766.801	152.022	44.332	1,848.668	1,893.000	543.763	171.016	0.000