



**GOVERNMENT OF THE PUNJAB
MINES & MINERALS DEPARTMENT
INSPECTORATE OF MINES**



ANNUAL REPORT



2024

**CHIEF INSPECTOR OF MINES,
PUNJAB**



CHIEF INSPECTOR OF MINES, PUNJAB



CIM Punjab@CIM_Punjab



cim.punjab.gov.pk

Annual Report 2024

Prepared by: **Mr. Ahsan Shahzad,**
Assistant Statistical Officer

Proof Read by **Engr. Waseem Akram**
Training Officer (Hqr.)

Edited by: **Engr. Muhammad Kabir**
Deputy Chief Inspector of Mines, Punjab

Approved by: **Engr. Zubair Hussain Kharal**
Chief Inspector of Mines, Punjab



Table of Contents

SECTION-I..... 1

 INTRODUCTION..... 1

SECTION-II..... 3

 FUNCTIONS & ACTIVITIES..... 3

 Inspection of Mines & Quarries..... 5

 Inspections Conducted by Inspecting Officers During the Year, 2024..... 5

 Inspections and Prosecutions in Punjab for the last five years..... 6

 Mine Accidents..... 7

 Fatal Accidents (List)..... 7

 Serious Accidents (List)..... 17

 Inquiries into Fatal Accidents..... 18

 Accidents Analysis..... 19

 Classification-wise comparative statement of fatal and serious accidents..... 19

 Statement showing the rate of fatal as well as serious accidents..... 20

 Classification of Fatal Accidents – Pie Chart..... 21

 Classification of Serious Accidents – Pie Chart..... 22

 Mineral-wise Fatal Accidents..... 23

 Fatal Accidents in Punjab with respect to Timings..... 24

 Fatal Accidents in Punjab with respect to Days of Week..... 25

 Fatal Accidents in Punjab with respect to mining districts..... 26

 Rescue & Recovery

 Mines Rescue & Safety Station, Khushab..... 27

 Objectives..... 27

 Benefits..... 27

 Rescue courses conducted during the last five years..... 28

 Mine Emergencies reported and attended during the last five years..... 28

 Mines Rescue & Safety Sub-Station, Makerwal, District Mianwali..... 29

 Rescue Refresher Courses conducted during the last five years..... 29

 Mine Emergencies reported and attended during the last five years..... 29

 Mines Rescue & Safety Sub-Station, Choa Saiden Shah, District Chakwal..... 30

 Rescue Refresher Courses conducted during the last five years..... 30

 Mine Emergencies reported and attended during the last five years..... 30

 Teaching & Training..... 31



TABLE OF CONTENTS



Punjab School of Mines, Katas, Choa Saiden Shah, District, Chakwal.....	31
Distinction.....	31
Major Subjects.....	32
Admissions.....	32
Mine Survey Institute, Makerwal, District Mianwali.....	33
Distinction.....	33
Major Subjects.....	33
December Tests.....	33
In-Service Training.....	35
Model Mine -- Demonstration -- Transfer of Technology.....	36
Practical Training.....	36
Underground Mine Work	38
General/Surface Activities.....	38
Visit	38
Mine Sample Testing – Research.....	39
Samples collected for the last five years.....	39
Planning & Development.....	40
Mining Development Cell.....	40
Admissions.....	40
Examinations.....	41
Results.....	41
Punjab School of Mines, Katas.....	41
Mine Survey Institute, Makerwal.....	41
SECTION-III.....	44
STAFF STRENGTH.....	44
The officers on roll.....	44
The officers promoted during the year, 2024.....	46
The officers transferred and posted during the year, 2024.....	47
The officers held Additional Charge during the year, 2024.....	47
The officers remained on Earned Leave/Ex-Pakistan/Extra Ordinary Leave.....	48
Retirement of Officers/ Officials	48
Organizational Chart.....	51
Grade-wise Strength.....	52
Distribution of Permanent/Temporary Posts.....	53



TABLE OF CONTENTS



Office of the Chief Inspector of Mines, Punjab, Lahore.....	53
Office of the Director, Mining Development Cell, Lahore.....	54
Office of the Director, Punjab School of Mines, Katas.....	55
Office of the Mine Manager, Training Mine, Katas.....	56
Office of the Principal Mine Survey Institute, Makerwal.....	57
Office of the Senior Research Officer, Mine Sample Testing Laboratory, Khushab.....	58
Office of the Inspector of Mines, Sargodha.....	58
Office of the Inspector of Mines, Rawalpindi.....	59
Office of the Junior Inspector of Mines, Jhelum.....	59
Office of the Junior Inspector of Mines, D. G. Khan.....	60
Office of the Junior Inspector of Mines, Mianwali.....	60
Office of the Junior Inspector of Mines, Khushab.....	60
Office of the Rescue Superintendent, Mines Rescue & Safety Station, Khushab.....	61
Office of the Rescue Instructor, Mines Rescue & Safety Sub-Station, Choa Saiden Shah.....	61
Office of the Rescue Instructor, Mines Rescue & Safety Sub Station, Makerwal.....	62
Office of the Rescue Instructor, Mines Rescue & Safety Sub Station, Munara.....	62
Office of the Rescue Instructor, Mines Rescue & Safety Sub Station, Ara Basharat	63
SECTION-IV.....	64
DIFFERENT BOARDS.....	64
Board of Examiners.....	64
Mining Board.....	65
Placement Board.....	66
Mining Engineers Referred to Mining Firms.....	66
SECTION-V.....	67
INITIATIVES.....	67
Annual Task Calendar.....	67
Targets Setting and Close Monitoring of Office Work.....	67
Organized Touring.....	67
Mining & Ecology.....	67
Attitude of the Officers and Staff.....	68
Anti Dengue Campaign.....	68
SECTION-VI.....	71
ANNEXURES.....	71
Annexure-1: Month-Wise Progress/Brief of Mines Rescue & Safety Station, Khushab.....	71



TABLE OF CONTENTS



Annexure-2: Month-Wise Progress/Brief of Mines Rescue & Safety Sub-Station, Makerwal.....	72
Annexure-3: Month-Wise Progress/Brief of Mines Rescue & Safety Sub-Station, Choa Saiden Shah.....	73
Annexure-4: Year-Wise Admission and Result Analysis of Punjab School of Mines, Katas.....	74
Annexure-5: Month-Wise Progress of Mines Sample Testing Laboratory, Khushab.....	82
Annexure-6: Month-Wise Sub-Standard Samples Collected.....	83
Annexure-7: Non-Development Budget -- Allocation & Expenditure for the Year, 1990-91 to 2023-24.....	84
Annexure-8: Budget Allocation & Expenditure (From 2012-13 to 2023-24) – Bar Chart.....	86
Annexure-9: Tour Roster of Field Officers of Sargodha & Lahore Region for the Year, 2023-24... 87	
Annexure-10: Tour Roster of Field Officers of Rawalpindi Region for the Year, 2023-24.....	88
Annexure-11: District/Mineral Wise Labour Force of Mining Industry in Punjab for the year, 2024	89
Annexure-12: Analysis of Figures Related to Output of Coal in Tons for the year, 2024.....	90
Annexure-13: District/Mineral Wise Production of Mining Industry in Punjab for the year, 2024	91
Annexure-14: District-Wise Number of Mining Leases/Prospecting Licenses in Punjab	92
Annexure-15: Minerals/District-Wise Mining Leases/Prospecting Licenses in Punjab.....	93
Annexure-16: Month-Wise Progress/Brief of Inspector of Mines, Sargodha.....	94
Annexure-17: Month-Wise Progress of Inspector of Mines, Rawalpindi.....	95
Annexure-17: Month-Wise Progress of Inspector of Mines, Rawalpindi.....	96
Annexure-18: Month-Wise Progress/Brief of Jr. Inspector of Mines, Khushab.....	97
Annexure-19: Month-Wise Progress/Brief of Jr. Inspector of Mines, Mianwali	98
Annexure-20: Month-Wise Progress/Brief of Jr. Inspector of Mines, D. G. Khan.....	99
Annexure-21: Month-Wise Progress/Brief of Jr. Inspector of Mines, Jhelum.....	100
Annexure-22: Month-Wise Progress/Brief of Jr. Inspector of Mines, Sargodha.....	101



SECTION-I

INTRODUCTION

- 1.1 The Province of Punjab is endowed with tremendous natural resources. It is equally rich in mineral resources as in Agriculture. Out of forty seven minerals exploited in Pakistan twenty four are being exploited in Punjab. About 40000 mine workers are employed by about 1400 lessees in the exploitation of minerals such as Coal, Rock Salt, Lime Stone, Gypsum, Fire Clay, Silica Sand, Sand Stone, China Clay, Fuller Earth, Dolomite, Bauxite, Bentonite, Iron Ore, Marble and Millstone etc.
- 1.2 In pursuance of implementation of National Mineral Policy-1995, the Inspectorate of Mines was detached from the Labour & Manpower Department and attached with the Industries, Mines & Minerals Department through amendment in the Punjab Government Rules of Business on 21st March, 2002. With the creation of the new Department of Mines and Minerals, the Chief Inspectorate of Mines has become its Attached Department from 1st August, 2003 through amendment in the Punjab Government Rules of Business, 1974. The Mines Labour Welfare Organization has also been shifted from the Labour & Human Resource Department to the Mines & Minerals Department under the operational control of Chief Inspector of Mines – Head of Attached Department from 31st December, 2003.
- 1.3 The main objective of the department is to ensure safety of mines and mine workers. The safety aspect is covered under the provisions of Mines Act, 1923, Coal Mines Regulations, 1926, Metalliferous Mines Regulations, 1926 and Consolidated Mines Rules, 1952. This job is performed through the regular inspections by the qualified Inspectors holding degree in Mining Engineering with relevant competency and experience. In addition to the role of law enforcing authority, Inspectorate of Mines also took the initiative of teaching, training and guidance by establishing the Punjab School of Mines, Katas, District Chakwal and Mine Survey Institute, Makerwal District Mianwali which is producing three years diploma of Associate Engineers in the field of mining with the perspective that education improves the quality and standard of work. This is a harsh fact that the mining industry in Pakistan is still in the infancy stage and a lot of input is required for upgrading the capacity, from the level of workers to the managers. To cover this deficiency, training courses at different levels are also one of the hall marks of this Inspectorate.



- 1.4 This report deals with the information relating to the activities of Inspectorate of Mines, Punjab and all types of minerals which fall within the administrative scope of the Mines Act, 1923 in the Province of Punjab except oil; gas and nuclear minerals. Besides the details of training and the different development projects and the accidents analysis is also included which provides a sound base for future planning towards safety, health and welfare of mine workers.
- 1.5 A statistical analysis of the production figures of coal, metalliferous and non-metalliferous minerals submitted through annual returns by the mining firms engaged in Punjab has been made. Information relating to certain minor minerals duly exempted from the operations of Mines Act, 1923 under Section-46 of the Act *ibid* (read with Notification No. LR-7(57) dated 16th May, 1955) is not included in this report.
- 1.6 It has been noticed that most of the mining firms dealing with stone, limestone and other minor minerals failed to submit the annual return which is mandatory on their part. This is due to the introduction of new mine owners acquiring short term mining rights through auction by the Director General Mines and Minerals. Due to the shortage of staff in the field offices, the Inspectorate has not been able to collect the complete statistics of defaulting mining firms. The defaulters, however, have been prosecuted in accordance with the provisions of law. This report therefore, covers only the data received in the office of the Chief Inspector of Mines through annual returns submitted by the mine owners.



SECTION-II

FUNCTIONS & ACTIVITIES

2.1 Several wings have been established under this Inspectorate for the purpose of carrying out its functions and activities including mine safety and inspections, rescue and recovery, teaching and training, transfer of technology, mine sample testing and research, planning and development, health care and welfare of mine workers.

2.1.1 Functions and activities corresponding to their responsible offices are briefed as follows:

WINGS/ FUNCTIONS	ACTIVITIES	OFFICERS RESPONSIBLE
MINE SAFETY AND INSPECTIONS	1.1 Inspections of Mines. 1.2 Prosecutions of defaulters. 1.3 Inquiries into accidents. 1.4 Mine Surveying. 1.5 Settlement of Underground Boundary Disputes.	1.1 to 1.3 Inspector / Jr. Inspector of Mines. 1.4 to 1.5 Survey & Drawing Officer.
RESCUE AND RECOVERY	2.1 Rescue and Recovery Training. 2.2 Dealing mines emergencies. 2.3 Opening and sealing of Mine, fire stoppings in irrespirable atmosphere.	2.1 to 2.3 Rescue Superintendent/ Rescue Instructor.
TEACHING AND TRAINING	PART-I (IN-SERVICE TRAINING) 3.1.1 Shot Firing 3.1.2 Mine Sirdar Orientation. 3.1.3 Mine Ventilation. 3.1.4 First Aid. 3.1.5 Mine Fires. 3.1.6 Timbering. 3.1.7 Mining Law. 3.1.8 Mine Management. 3.1.9 Mining Methods. 3.1.10 Conduct of statutory examinations. 3.1.11 Placement of Mine Surveyors, Supervisors and Engineers.	3.1.1 to 3.1.11 Training Officer and his Staff.



	<p>PART-II (PRE-EMPLOYMENT)</p> <p>3.2.1 3 years Diploma Course (DAE) in Mining Technology.</p> <p>3.2.2 3 years Diploma Course (DAE) in Electrical Technology. (Specialization in Mining)</p> <p>3.2.3 3 years Diploma Course (DAE) in Mechanical Technology. (Specialization in Mining)</p> <p>3.2.4 3 years Diploma Course (DAE) in Land and Mine Surveying Technology.</p> <p>3.2.5 2 Years Certificate Course in Mine Surveying.</p>	<p>3.2.1 to 3.2.4 Director Training and his staff.</p> <p>3.2.5 Principal Mine Survey Institute and his staff.</p>
TRANSFER OF TECHNOLOGY	<p>4.1 Transfer of Technology.</p> <p>4.2 Development of Modern Training Face.</p> <p>4.3 Demonstration of Modern Techniques.</p>	4.1 to 4.3 Mine Manager and his staff.
MINE SAMPLE TESTING AND RESEARCH.	<p>5.1 For environmental control, periodical drawl of samples of dust, mine air, noise, light, temperature, humidity, water analysis and wire rope testing.</p> <p>5.2 Testing of samples drawn from mines.</p>	5.1 to 5.2 Sr. Research Officer/ Research Officer and their staff.
PLANNING AND DEVELOPMENT	<p>6.1 Preparation of PC –I.</p> <p>6.2 Preparation of curricula-books.</p> <p>6.3 To organize and conduct institutional examinations.</p> <p>6.4 Codification of law.</p>	<p>6.1 to 6.3 Director Mining Development Cell and his staff.</p> <p>6.4 Inspector of Mines (Hqr.)</p>



2.2 Inspection of Mines & Quarries

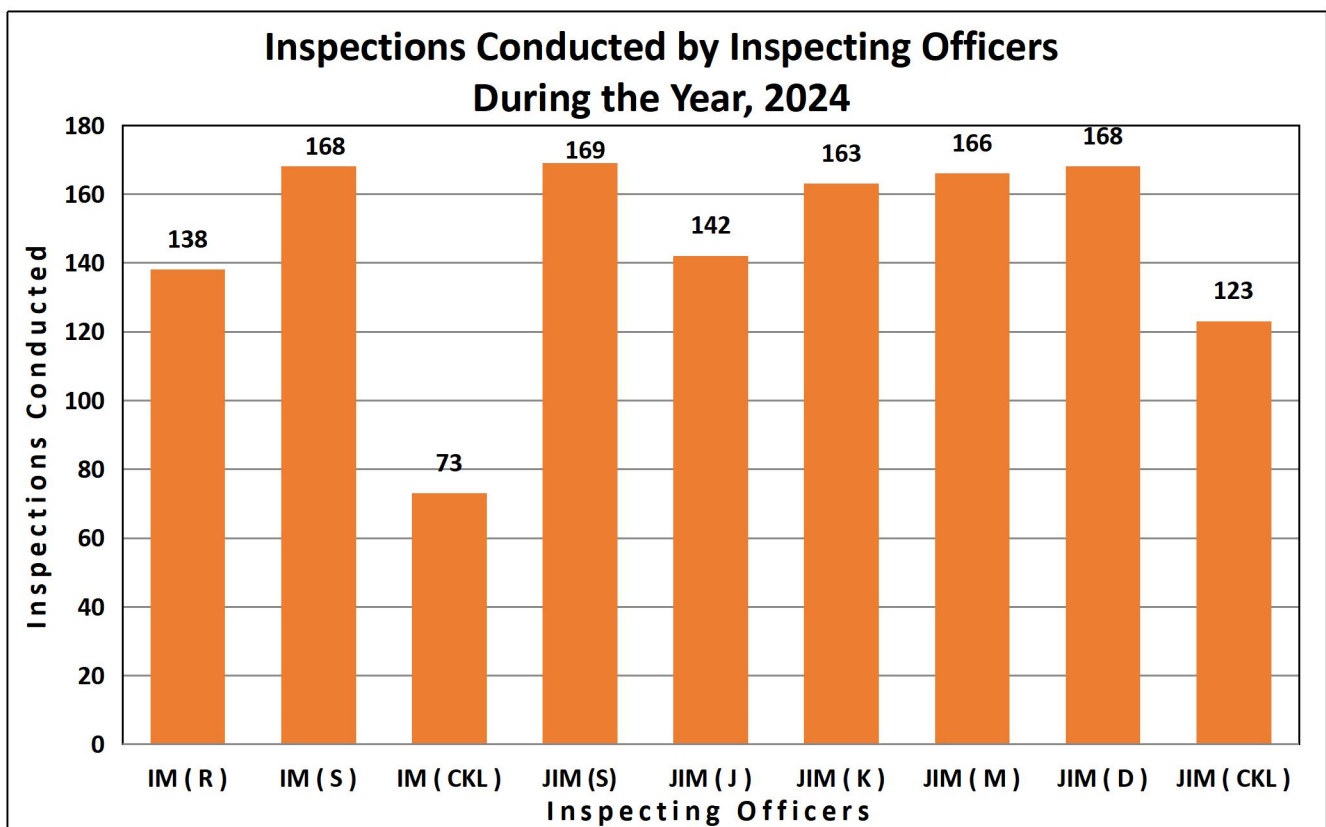
2.2.1 There are two regional and nine district level Inspecting Officers who are responsible to ensure regulatory functions by carrying out inspections of mines/quarries in their respective districts/regions to check compliance of various provisions of Mines Act, 1923 and Rules and Regulations made there under, conducting inquiries into the fatal as well as serious accidents and through follow up of cases in the courts of law for contravention of different provisions of the Act *ibid*.

2.2.2 The Inspecting Officers have been given the target of 14 inspections each on monthly basis which lead to 168 annually. However, a total of 1397 inspections were made during the year under report. The number of inspections conducted by each officer is reflected as under:

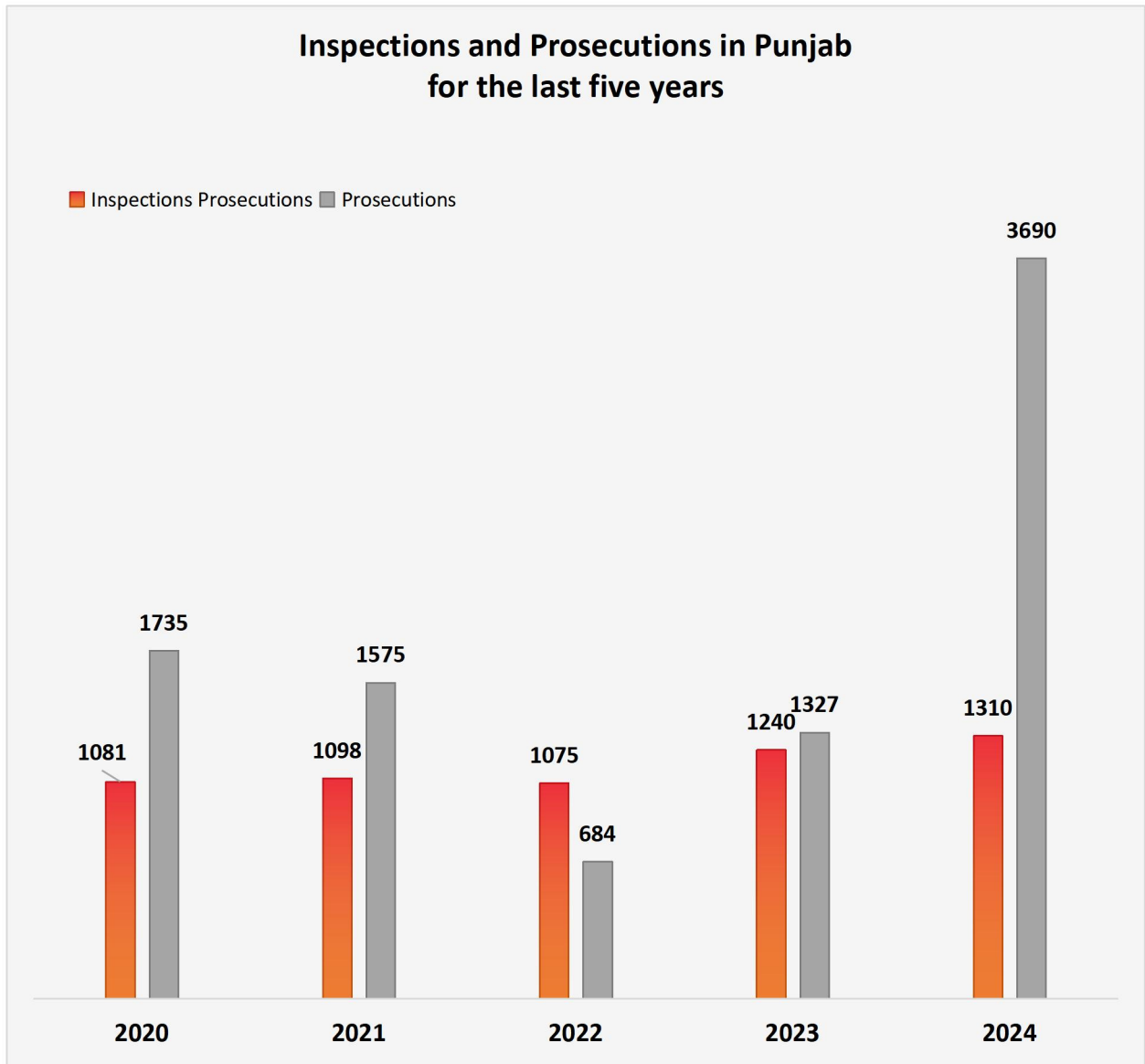
INSPECTIONS CONDUCTED BY INSPECTING OFFICERS DURING THE YEAR 2024

Inspecting Officer	Inspector of Mines Rawalpindi	Inspector of Mines Chakwal	Inspector of Mines Sargodha
Inspections Conducted	138	73	168

Inspecting Officer	Jr. Inspector of Mines Sargodha	Jr. Inspector of Mines Jhelum	Jr. Inspector of Mines Khushab	Jr. Inspector of Mines Mianwali	Jr. Inspector of Mines DGK	Jr. Inspector of Mines Chakwal
Inspections Conducted	169	142	163	166	168	123



.2.2.3 The violation of various provisions of Mines Act, 1923 recorded by Inspectors are prosecuted in various courts of law to provide deterrence against future violations. The performance related to Inspections and prosecutions for the last 5 years is given below:



<u>Years</u>	<u>Inspections</u>	<u>Prosecutions</u>
2020	1081	1735
2021	1098	1575
2022	1075	684
2023	1240	1327
2024	1310	3690



2.3 Mine Accidents

2.3.1 Mining is highly risky, arduous and dangerous venture which is full of uncertainties. The mine accidents are a regular phenomenon of this field which mostly occurs due to the negligence on the part of mine management as well as the workers. Fatalities in the coal mines are definitely a point of concern and the Inspectorate of Mines is taking all due precautions to suppress the occurrence of accidents to its possible extent. Given below is a list of fatal and serious accidents occurred during the year under report:

2.3.2 Fatal Accidents

Sr. No.	Name of Firms	Date/Day	Time	Persons Involved	Occupation	Classification	District/ Mineral	Inquiry Report
1.	M/s Ch. Fazal Hussain & Co. Mine No.06, Bharwal, Choa Saiden Shah, Chakwal. ML-CKL-II-Coal(112)	01.01.2024 Monday	1200 Hrs.	Mr. Muhammad Anwar S/o Muhammad Akbar aged 46 years.	Worker	Fall of Roof	Coal Chakwal	IM(C)
2.	M/s. PMDC Salt Mines, Kalabagh, Mine No. KB-38, Dist. Mianwali. ML-MLI-Rock Salt(1)	01.01.2024 Monday	1550 Hrs.	Mr. Shoaib Akhtar S/o Akhtar Khan, Aged 18 years.	Worker	Surface Machinery	Rock Salt Mianwali	JIM(M)
3.	M/s. Ch. Muhammad Hanif Gujjar, ML-SRG-S.Stone 6/110, Sargodha.	13.01.2024 Saturday	1230 Hrs	Mr. Muhammad Amir S/o Hakim, Aged 33 years.	Shot Firer	By Explussive	Sand Stone Sargodha	JIM(S)



Section-I

Introduction



Sr. No.	Name of Firms	Date/Day	Time	Persons Involved	Occupation	Classification	District/ Mineral	Inquiry Report
4.	M/s Ghousia Minerals Associates Jadeed Mine No 01, Bhattian, Basharat, Tehsil Choa Saiden Shah, Distt. Chakwal. ML-CKL-II-COAL (81)	23.02.2024 Friday	1900Hrs.	1) Mr. Zahoor Ahmed S/o Meher Muhammad Shah aged 35 years. 2) Mr. Barkat Ali Khan S/o Zoor Talab Khan aged 27 years. 3) Mr. Shahbaz Khan S/o Shatmand Oaged 28 years. Injured 1) Mr. Said Bahar S/o Arshullah aged 38 years. 2) Mr. Essa Khan S/o Habibur Rehman aged 20 years.	Electrician Coal Cutter Coal Cutter Coal Cutter Coal Cutter	Explosion by Gases	Coal Chakwal	Report submitted by Court of Inquiry
5.	M/s Makerwal Coal Works, Mine No. 11, Malik Mine, A Section, District Mianwali. ML-MLI-Coal(36)	24.02.2024 Saturday	1110 Hrs.	Mr. Najeebullah Khan S/o Faiz Muhammad, Aged 32 years.	Coal Cutter	Fall of Side (fall of lose Material)	Coal Mianwali	JIM(M)
6.	M/s Muhammad Amin Brothers Mine No.28, Village Arrara, ML-KHB-Coal(06)	25.02.2024 Sunday	1200 Hrs.	Mr. Muhammad Rashid S/o. Azizullah Aged 16 years.	Worker	Fall of Roof	Coal Khushab	JIM(K)
7.	M/s Mirza Ghulam Abbas & Sons Arrara, Khushab ML-KHB-Coal(24)	02.03.2024 Saturday	0900 Hrs.	Mr. Muhammad Bashir S/o Waris Khan Aged 37 years.	Coal Cutter	Suffocation by Gases	Coal Khushab	JIM(K)
8.	M/s Wah Stone & Lime Quarry (Pvt.) Ltd. Co. Mine No.5, Dandot, Chakwal. ML-CKL-I Coal (2)	03.03.2024 Sunday	0700 Hrs	Mr. Mubarak Shah S/o Ghulam Muhammad Age 24 years.	Coal Cutter	Fall of Roof	Coal Chakwal	Report submitted by Court of Inquiry



Sr. No.	Name of Firms	Date/Day	Time	Persons Involved	Occupation	Classification	District/ Mineral	Inquiry Report
9.	M/s Flower Hill Enterprises Mining Business. Mine No.09, Khokar Bala, District Chakwal. ML-CKL-I-Coal (166)	15.03.2024 Friday	2030 Hrs.	Mr. Sher Alam S/o Bakht Basyar aged 50 years.	Coal Cutter	By Electricity	Coal Chakwal	JIM(C)
10.	M/s Nazar & Company Mine No.37T, Arra, Jhelum. ML-JLM-Coal(123)	23.03.2024 Saturday	0025 Hrs	Mr. Akhtar Gul S/o Taj Fareen aged 26 years.	Worker	By Electricity	Coal Jhelum	JIM(J)
11.	M/s. PMDC Salt Mines Main Mine, Khewra, Jhelum. ML-JLM-Rock Salt(1)	25.03.2024 Monday	1140 Hrs	Mr. Atiqur Rehman S/o. Fida Husain, Aged 38 years.	Tractor Driver	Fall of Roof	Rock Salt Jhelum	JIM(J)
12.	M/s Makerwal Collieries (Pvt.) Ltd. Tunnel No. 3, C Section, Makerwal, District Mianwali. ML-MLI-Coal(1)	17.04.2024 Wednesday	1230 Hrs	Mr. Noor Sahib Jan S/o Lal Marjan, Aged 29 years.	Line Man	By Haulage	Coal Mianwali	JIM(M)
13.	M/s. Haideria Collieries. Mine No.09, LL, Munara, Chakwal. ML-CKL-I-Coal(53)	23.05.2024 Thursday	1430 Hrs.	Mr. Ayub Khan S/o Mehar Khan Aged 46 years.	Coal Cutter	By Haulage	Coal Chakwal	JIM(C)
14.	M/s. PMDC Salt Mines Main Mine, Khewra, Jhelum. ML-JLM-Rock Salt(1)	24.05.2024 Friday	1330 Hrs.	Mr. Ijaz Hussain S/o. Muhammad Aslam, Aged 48 years.	Salt Cutter	Sundries Underground (fall of lose material)	Rock Salt Jhelum	JIM(J)
15.	M/s Salam & Co. Mine No.6, Dalwal, District Chakwal ML-CKL-I- Coal (27)	28.05.2024 Tuesday	1600 Hrs.	Mr. Malik Jan S/o Gul Kamand Khan Age 58 years.	Coal Cutter	Fall of Roof	Coal Chakwal	JIM(C)



Section-I

Introduction



Sr. No.	Name of Firms	Date/Day	Time	Persons Involved	Occupation	Classification	District/ Mineral	Inquiry Report
16.	M/s Sarmad Tufail Cheema Ahsan Khat - ML-SRG- Sand Stone (13+16/126), Sargodha.	28.05.2024 Tuesday	1630 Hrs.	Mr. Muhammad Shahid S/o Muhammad Bashir Age 40 years.	Drillman	Misc. on Surface (slippage of foot)	Sand Stone Sargodha	JIM(S)
17.	M/s Tanveer-UI- Hassan Mine No. 07, Khairpur Chakwal ML-CKL-I-Coal (20)	03.06.2024 Monday	1030 Hrs.	Mr. Mahmoodullah S/o Arab Khan Aged 25 years.	Coal Cutter	Electricity	Coal Chakwal	JIM(C)
18.	M/s. Amir Majeed Khan Niazi, Usama Pit, ML-SRG- Sand Stone (7-B/116), Sargodha.	06.06.2024 Thursday	1030 Hrs.	Mr. Waqas Maseeh S/o Ayub Maseeh Age 25 years.	Quarry Worker	Surface Machinery	Sand Stone Sargodha	IM(S)
19.	M/s Mian Pervaiz Akhtar Bismillah Mine, Khairpur Malot, Chakwal. ML-CKL-I-Coal (190)	29.06.2024 Saturday	0830 Hrs.	Mr. Junaid Alam S/o Torah Baz Khan Aged 18 years.	Coal Cutter	Fall of Roof	Coal Chakwal	JIM(C)
20.	M/s Muzaffar Hussain Coal Collery Basharat, Mine No.22 MI-CKL-II-Coal(43)	10.07.2024 Wednesday	1030 Hrs.	1) Mr. Muhammad Safeer S/o Gulzar Ahmed aged 35 years. 2) Mr. Muhammad Anwar S/o Munir Hussain aged 41 years. 3) Mr. Muhammad Adnan S/o Muhammad Ashraf aged 24 years. 4) Mr. Ibrahim S/o Munawar Hussain aged 35 years.	Coal Cutter Haulage Operator Coal Cutter	Misc. Underground (penetrating water in mine)	Coal Chakwal	Report submitted by Court of Inquiry



Sr. No.	Name of Firms	Date/Day	Time	Persons Involved	Occupation	Classification	District/ Mineral	Inquiry Report
21.	M/s Zephyr Manufacturing & Trading Co. Pvt. Ltd. (Hayat ul Mir Mines), Nali, Payari Mine (low level) ML-KHB-Coal(09)	25.07.2024 Thursday	0830 Hrs	Mr. Noor Shahzeb S/o Meena Bass Khan Aged 40 years.	Coal Cutter	Fall of Roof	Coal Khushab	JIM(K)
22.	M/s Makerwal Coal Works, Mine C Tunnel (Naz-e- Pakistan) situated at B-C Section, District Mianwali. ML-MLI-Coal(36)	04.08.2024 Sunday	0730 Hrs.	Mr. Muhammad Altaf S/o Noor Muhammad , Aged 30 years. <u>Injured:</u> Mr. Aamir S/o Muhammad Noor, Aged 25 years.	Coal Cutter	Suffocation by Gas	Coal Mianwali	JIM(M)
23.	M/s Junaid Malik Awan S/o Malik Iftikhar ML-ATK-Lime Stone (Hassan Abdal 13A), Attock.	04.08.2024 Sunday	1100 Hrs.	Mr. Masood Khan S/o Muhammad Afzal Aged 38 years.	Drillar	Misc. on Surface (fall of lose material)	Lime Stone Attock	IM(R)
24.	M/s. Ghani Salt Mines (Pvt.) Ltd. Quaidabad, Khushab.Mine No.5 LL ML-KHB-R.Salt(03)	08.08.2024 Thursday	1100 Hrs.	Mr. Muhammad Ramzan S/o Ahmed Sher, Aged 19 years	Miner Helper	Fall of Roof (fall of loose material)	Rock Salt Khushab	JIM(K)
25.	M/s Munawar Mining Company Bhal, Kalar Kahar, Dhok Haral, Chakwal, MI-CKL-I-Coal(140)	11.08.2024 Sunday	1430 Hrs.	1) Mr. Shaheed ur Rehman S/o Mir Din aged 39 years. 2) Mr. Sadrail Khan S/o Habibullah Khan aged 44 years.	Coal Cutter Coal Cutter	Fall of Roof	Coal Chakwal	JIM(C)
26.	M/s Ch. Khalid Iqbal Choa Saiden Shah, Nila, Chakwal. ML-CKL-I Gypsum(26)	13.08.2024 Tuesday	1000 Hrs	Mr. Waqar Ahmed S/o Iqbal Hussain Age 24 years.	Worker	Fall of Side (fall of loose material)	Gypsum Chakwal	JIM(J)



Section-I

Introduction



Sr. No.	Name of Firms	Date/Day	Time	Persons Involved	Occupation	Classification	District/ Mineral	Inquiry Report
27.	M/s. Amir Majeed Khan Niazi, Sarfaraz Khada, ML-SRG- Sand Stone 5/116, Sargodha.	14.08.2024 Wednesday	0700 Hrs.	Mr. Khadim Hussain S/o Barkat Ali Age 36 years.	Quarry Worker	Misc. on Surface (slippage of foot)	Sand Stone Sargodha	JIM(S)
28.	M/s PMDC Salt Mines, Warcha Mine No.47, Shahzad Chamber Jan Sukh Section, Khushab, ML-KHB-Rock Salt(1)	20.08.2024 Tuesday	Hrs.	Mr. Muhammad Iltaf Hussain S/o Muhammad Phulel Age 55 years.	Tractor Driver	Fall of Roof	Rock Salt Khushab	IM(S)
29.	M/s. CNB Mining Corp. (Pvt.) Ltd., Ghareeb Shah Khat, ML-SRG- S.Stone 11+12(C+D)/126, Sargodha.	25.08.2024 Sunday	1345 Hrs.	1. Mr. Sajjad Hussain S/o Muhammad Ibrahim Aged 39 years. 2. Mr. Muhammad Asghar S/o Muhammad Ashraf Aged 18 years. Injured Mr. Muhammad Tariq S/o Abdul Hameed aged 28 years.	Quarry Worker	Misc. on Surface (sliding of hill)	Sand Stone Sargodha	Report submitted by Court of Inquiry
30.	M/s Khayber Group of Companies, Baba Pit, Hassan Abdal District Attock. ML-ATK-Lime Stone Stone (13-D)	28.08.2024 Wednesday	1030 Hrs.	1) Mr. Muhammad Zaman S/o Jan Muhammad aged 51 years. 2) Mr. Umer Malik S/o Muhammad Ummar aged 38 years.	Troctor Driver	Misc. on Surface (Slide the hull)	Lime stone Attock	IM(R)



Section-I

Introduction



Sr. No.	Name of Firms	Date/Day	Time	Persons Involved	Occupation	Classification	District/ Mineral	Inquiry Report
31.	M/s Aziz Inam & Company Mine No.10, Choa Saiden Shah, District Chakwal. ML-CKL-I-Coal(133)	10.09.2024 Tuesday	2300 Hrs.	1) Mr. Ghulam Fareed S/o Mr. Muhammad Rizwan Age 24 years. Injured 1) Mr. Faheem Shahzad S/o Mr. Muhammad Shafique Age 26 years. 2) Mr. Haider Ali S/o Mr. Muhammad Bashirat Age 27 years.	Pump Operator Electrician Pump Operator	Haulage	Coal Chakwal	IM(C)
32.	M/s Shahab Coal Mines Khushab. Mine No.8, Karak, Kathwai, Khushab. ML-KHB-COAL-49	12.09.2024 Thursday	1200 Hrs.	Mr. Aleem ullah S/o Nabi Sarwar aged 22 years.	Worker	Fall of Roof	Coal Khushab	JIM(K)
33.	M/s Punjab Mineral Development Corporation, Chakwal. Mine No. KP-03, Kupper, Choa Saiden Shah, District Chakwal. ML-CKL-II-Rock Salt (01)	12.09.2024 Thursday	1600 Hrs.	Mr. Qadeer Akram S/o Muhammad Akram aged 26 years.	Tractor Driver	Underground Machinery	Rock Salt Chakwal	JIM(C)
34.	M/s. PMDC Salt Mines, Kalabagh, Mine No. WK-20, Dist. Mianwali. ML-MLI-Rock Salt(1)	08.10.2024 Tuesday	1500 Hrs.	Mr. Zia-UI-Hassan s/o Bashir Hussain, aged 52 years.	Worker	By Explosive	Rock Salt Mianwali	JIM(M)
35.	M/s Iqbal Minerals, Ilahi Mines, Dhulmayal, CSS, Chakwal. ML-CKL-I-Coal(68)	21.11.2024 Thursday	1340 Hrs	Mr. Bakhat Afsar S/o Naimat Khan Aged 33 years.	Coal Cutter	Fall of Roof	Coal Chakwal	JIM(C)



2.3.3 Serious Accidents

Sr. No.	Name of Firms	Date/Day	Time	Persons Involved	Occupation	Classification	District/ Mineral	Inquiry Report
1.	M/s Raja Muhammad Imran. Mine No.4, L L, Ghandhala, Choa Saiden Shah, District Chakwal. ML-CKL-I-Coal(200)	07.01.2024 Sunday	0830 Hrs.	1) Mr. Afsar Ali S/o Rozi Mand aged 25 years. 2) Mr. Gulli Bagh S/o Reedad Gull aged 50 years.	Coal Cutter Coal Cutter	Explosion by Gas	Coal Chakwal	JIM(C)
2.	M/s. A. Majeed & Co. (Pvt.) Ltd. Ch Khalid Mine, Nali, Chakwal. ML-CKL-II Coal(09)	16.01.2024 Tuesday	2230 Hrs.	Mr. Nasrullah S/o. Mir Ajab Khan Age 46 years.	Haulage Driver	Haulage	Coal Chakwal	JIM(C)
3.	M/s Punjab Mineral Development Corporation.(punjmin) Scheme MineDES, Dandot, Choa Saiden Shah, Chakwal. ML-CKL-I-Coal(69)	24.01.2024 Wednesday	1700 Hrs.	1) Mr. Mumtaz Gul S/o Sanab Gul aged 33 years. 2) Mr. Iqbal Din S/o Abdul Rafiq aged 54 years. 3) Mr. Gulab Rahim S/o Abdul Ghafar aged 26 years.	Coal Cutter Coal Cutter Coal Cutter	Haulage	Coal Chakwal	IM(C)
4.	M/s Haroon Rasheed Khan Niazi, District Sargodha ML-SRG-Sand Stone (7/110)	05-08-2024 Monday	1430 Hrs.	Mr. Nisar Ali S/o Zulfiqar age 32-Year.	Drill Man	Miscellaneous on surface	Sand Stone Sargodha	JIMS



2.4 Inquiries into Fatal Accidents

2.4.1 Inspectors of Mines are also responsible to make thorough inquiries to fish out the causes and on the basis of findings of inquiry reports; it has been observed that most of the accidents occurred due to lack of vigilance by management and; untrained and inexperienced workers.

2.4.2 There were two hundred and thirty eight (216) inquiries into fatal accidents conducted from

Year	Mineral	Months												Total	
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
2020	Coal	1	2	4	4	0	4	2	3	2	3	4	4	33	55
	Lime Stone	0	0	0	0	0	0	0	0	0	0	1	0	1	
	Fire Clay	0	0	0	0	0	0	1	0	0	0	0	0	1	
	Silica Sand	0	0	0	0	0	0	0	0	0	0	0	1	1	
	Rock Salt	0	0	0	0	0	1	1	1	0	2	0	0	5	
	Sand stone	2	1	2	0	1	1	1	1	1	1	1	2	14	
2021	Coal	2	2	1	1	2	3	3	1	7	1	1	0	24	49
	Lime Stone	2	0	0	1	0	0	0	1	0	0	0	0	4	
	Gypsumop	1	0	0	0	0	0	1	0	0	0	0	0	2	
	Rock Salt	0	1	0	0	1	2	0	0	0	1	0	1	6	
	Iron Ore	0	0	0	1	0	0	0	0	0	0	0	0	1	
	Sand stone	2	1	1	0	0	0	1	2	1	0	1	3	12	
2022	Coal	2	1	0	1	1	4	4	2	3	1	2	2	23	41
	Bentonite	0	0	0	0	0	0	0	0	0	0	0	1	1	
	Gypsum	0	0	0	0	0	0	0	1	0	0	1		2	
	Rock Salt	0	0	0	0	0	0	0	1	1	0	0	0	2	
	Iron Ore	0	0	0	1	0	0	0	0	0	0	0	0	1	
	Sand stone	0	0	0	1	1	2	1		1	3	2	1	12	
2023	Coal	3	0	2	0	2	1	2	4	2	1	3	1	21	36
	Lime Stone	0	0	0	0	0	1	0	0	0	0	0	0	1	
	Gypsum	0	0	0	0	0	0	0	1	0	0	0	0	1	
	Rock Salt	0	0	1	0	0	2	1	0	0	1	0	0	5	
	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Sand stone		1	1	0	2	1	1	1	0	0	0	1	8	
2024	Coal	1	3	4	1	2	2	2	2	2	0	1	0	20	35
	Lime Stone	0	0	0	0	0	0	0	2	0	0	0	0	2	
	Gypsum	0	0	0	0	0	0	0	1	0	0	0	0	1	
	Rock Salt	1	0	1	0	1	0	0	2	1	1	0	0	7	
	Iron Ore	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Sand stone	1	0	0	0	1	1	0	2	0	0	0	0	5	
TOTAL:		18	12	17	11	14	25	21	28	21	15	17	17	216	

the years 2020 to 2024. Mineral/Month-wise detail is as under:



2.5 Accidents Analysis

2.5.1 During the year under report, 35 persons lost their lives including 6 injuries in 35 accidents as compared to 38 persons in 36 accidents including 6 injuries during the year, 2023. In addition, 7 persons were injured in 4 serious accidents during the year, 2024 as compared to 12 injuries in 12 accidents during the previous year.

2.5.2 The classification-wise comparative statement of fatal and serious accidents occurred during the year, 2024 is given below:

Classification	Fatal Accidents		Serious Accidents	
	No. of Accidents	Persons Died	No. of Accidents	Persons Injured
Electricity	3	3	-	-
Explosive	2	2	-	-
Explosion by Gasses	1	3(2)	1	2
Fall of Roof/Stone	12	13	-	-
Fall of Side	2	2	-	-
Haulage	3	3(2)	2	4
Miscellaneous on Surface	5	7(1)	-	-
Suffocation by Gases	2	2(1)	-	-
Surface Machinery	2	2	1	1
Sundries Underground	3	6	-	-
Total:	35	43(6)	4	7
Coal	20	26(5)	3	6
Lime Stone	2	3	-	-
Gypsum	1	1	-	-
Rock Salt	7	7	-	-
Iron Ore	-	-	-	-
Sand stone	5	6(1)	1	1
Total:	36	43(6)	4	7

* Figures shown in braces represent injury in addition to fatalities.

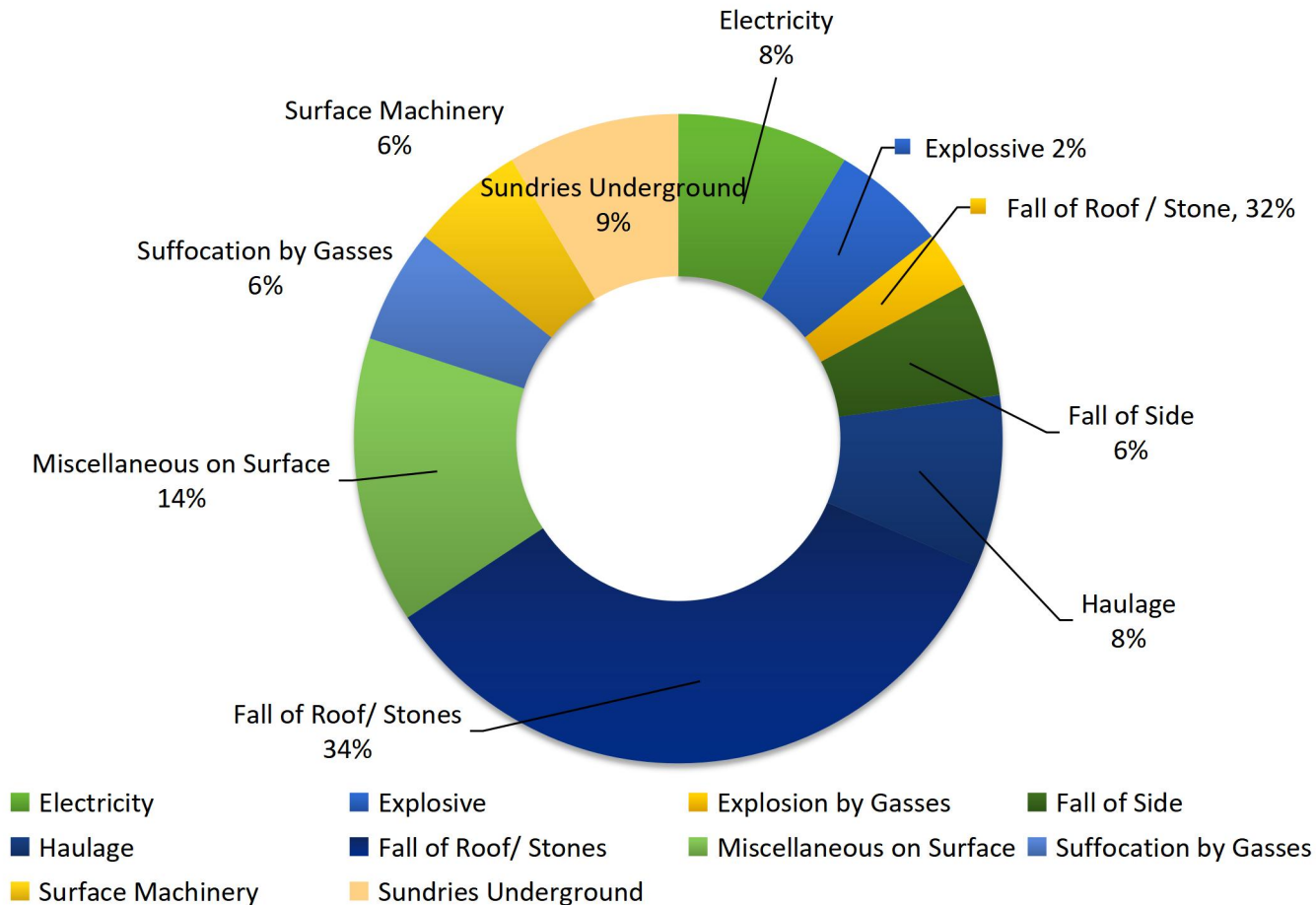


- 2.5.3 The analysis of above table reveals that the majority of the accidents occurred due to fall of roof which was generally attributed to geological changes in the mine roofs in the vicinity of working places and was not noticed by the supervisory staff due to negligence and poor illumination caused by accumulation of smoke in the working faces through use of open-flame lamps. The timber supports used are also improper and sub-standard thereby leading to the accidents.
- 2.5.4 There were 77% of fatal accidents occurred in underground mines by electricity, fall of side, suffocation by gases, sundries underground
- 2.5.5 The examination further reveals that 23% of fatal accidents occurred on surface. The causes are attributed to the fact that the small areas are auctioned on short term basis due to which the quarry owners do not develop the quarries to work systematically. On the contrary they adopt mining methods of very high quarry faces some times upto many hundreds of feet with no benches to stand for quarry workers to work safely. The quarry workers drill holes hanging on the ropes. The face is undercut causing the overhanging position to fall to save costs. The workers are hit by falling stones, sometimes they slip and fall down hundreds of feet due to non-fastening of safety ropes and other safety gear.
- 2.5.6 The examination of above table reveals that fatal accidents rate has decreased by 3% during the year under report as compared to the previous year. The situation is still alarming with a loss of 43 precious lives of mine workers and the department is taking all due measures to bring this rate to minimum by induction of trained labour force in addition to enforcing the employment of proper mining methods including use of good quality timber, proper illumination, adequate ventilation and use of safety gadgets by mine workers.
- 2.5.7 It is felt that most of the fatal and serious accidents could be averted if the mining firms employ the trained labour force and adopt the safe mining practices on surface as well as underground mining operations.



2.5.8 Classification of Fatal Accidents

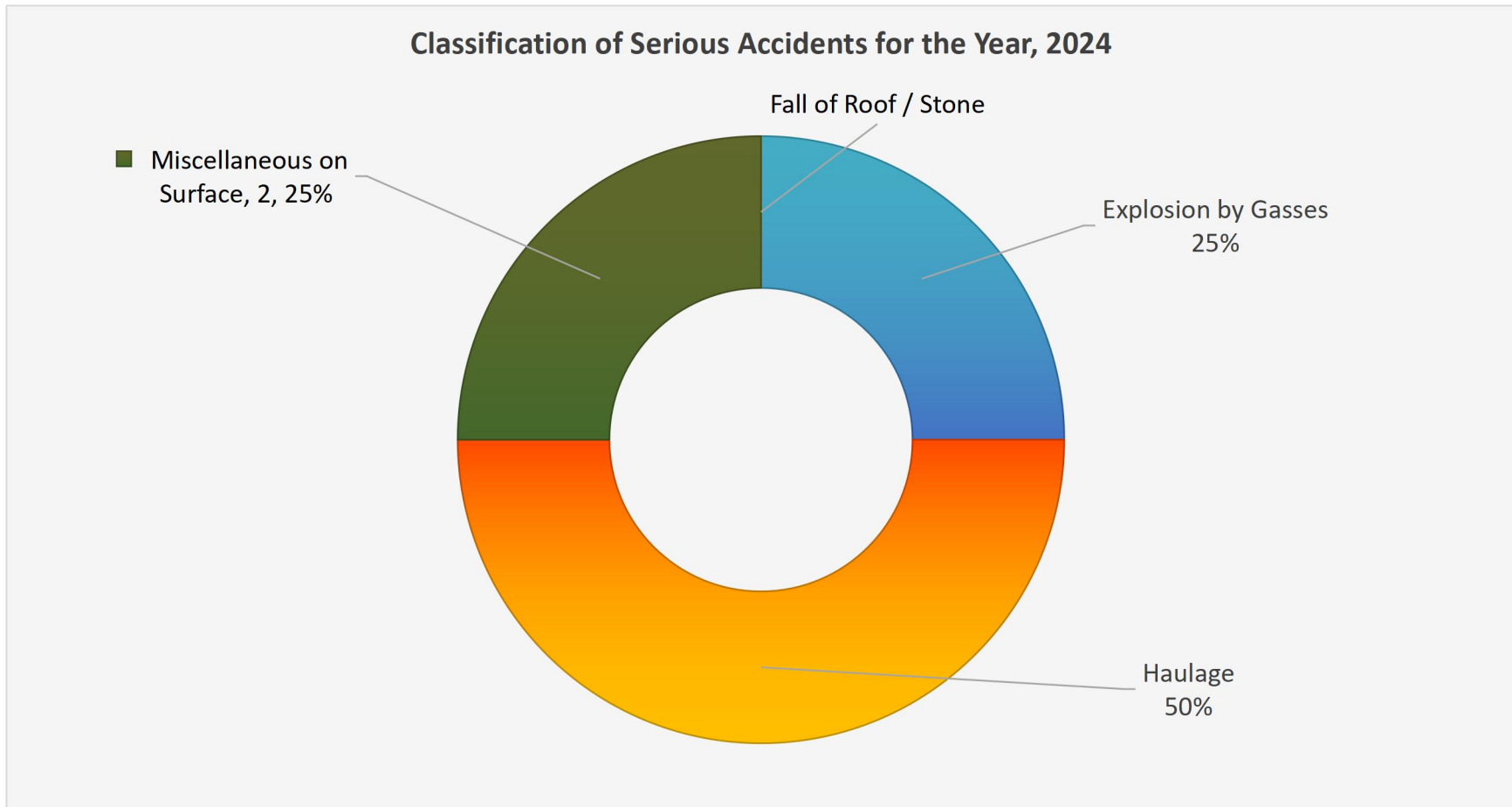
Classification of Fatal Accidents for the Year, 2024



Classification	Electricity	Explosive	Explosion by Gasses	Fall of Side	Haulage	Fall of Roof/ Stones	Miscellaneous on Surface	Suffocation by Gasses	Surface Machinery	Sundries Underground	Total
No. of Accidents	3	2	1	2	3	12	5	2	2	3	35



2.5.9 Classification of Serious Accidents

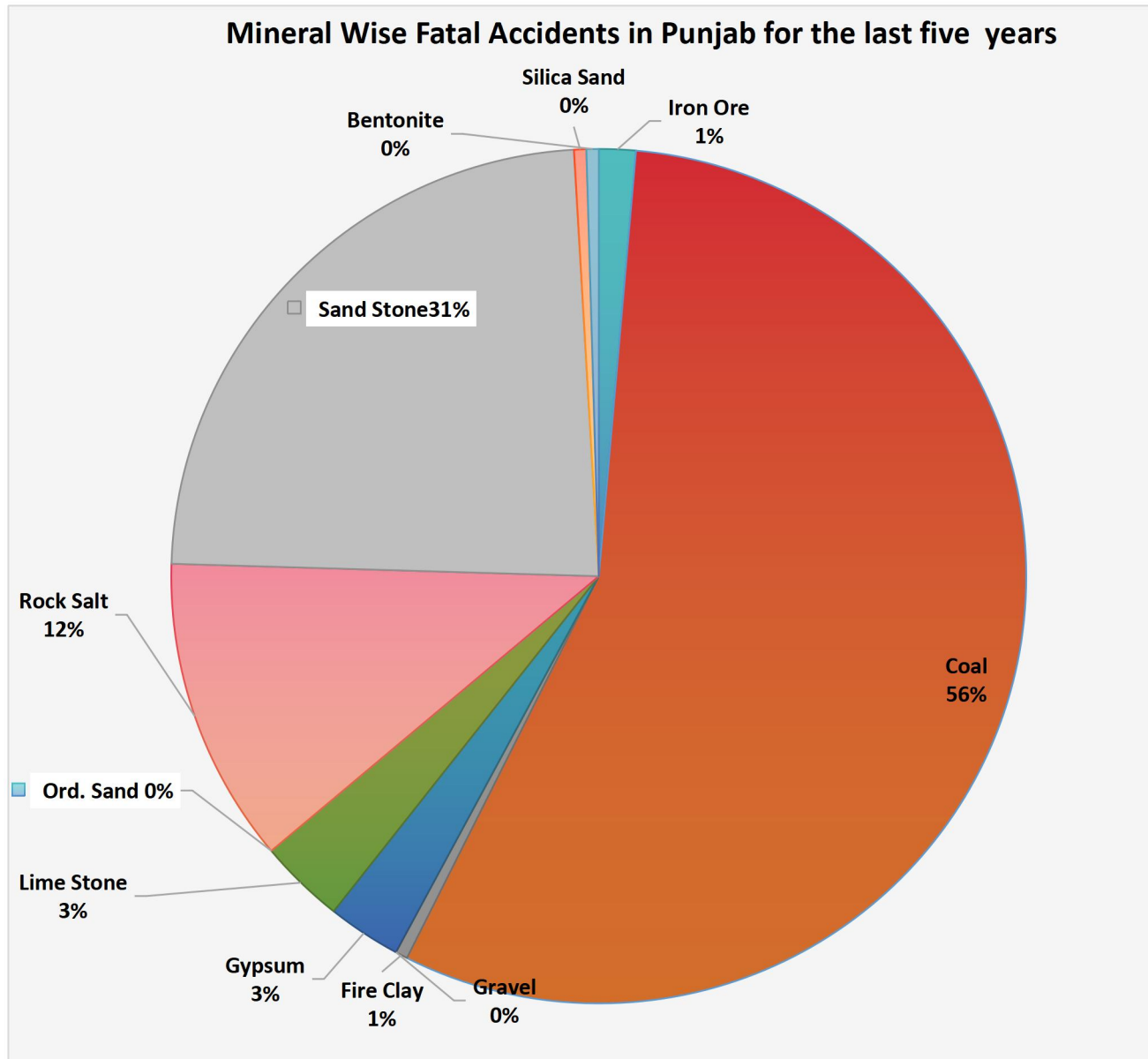


Classification	Fall of Roof/ Stone	Surface Machinery	Explosion by Gasses	Haulage	Total
No. of Accidents	0	1	1	2	4



2.5.10 Mineral-wise Fatal Accidents in Punjab for the last five years are as under:

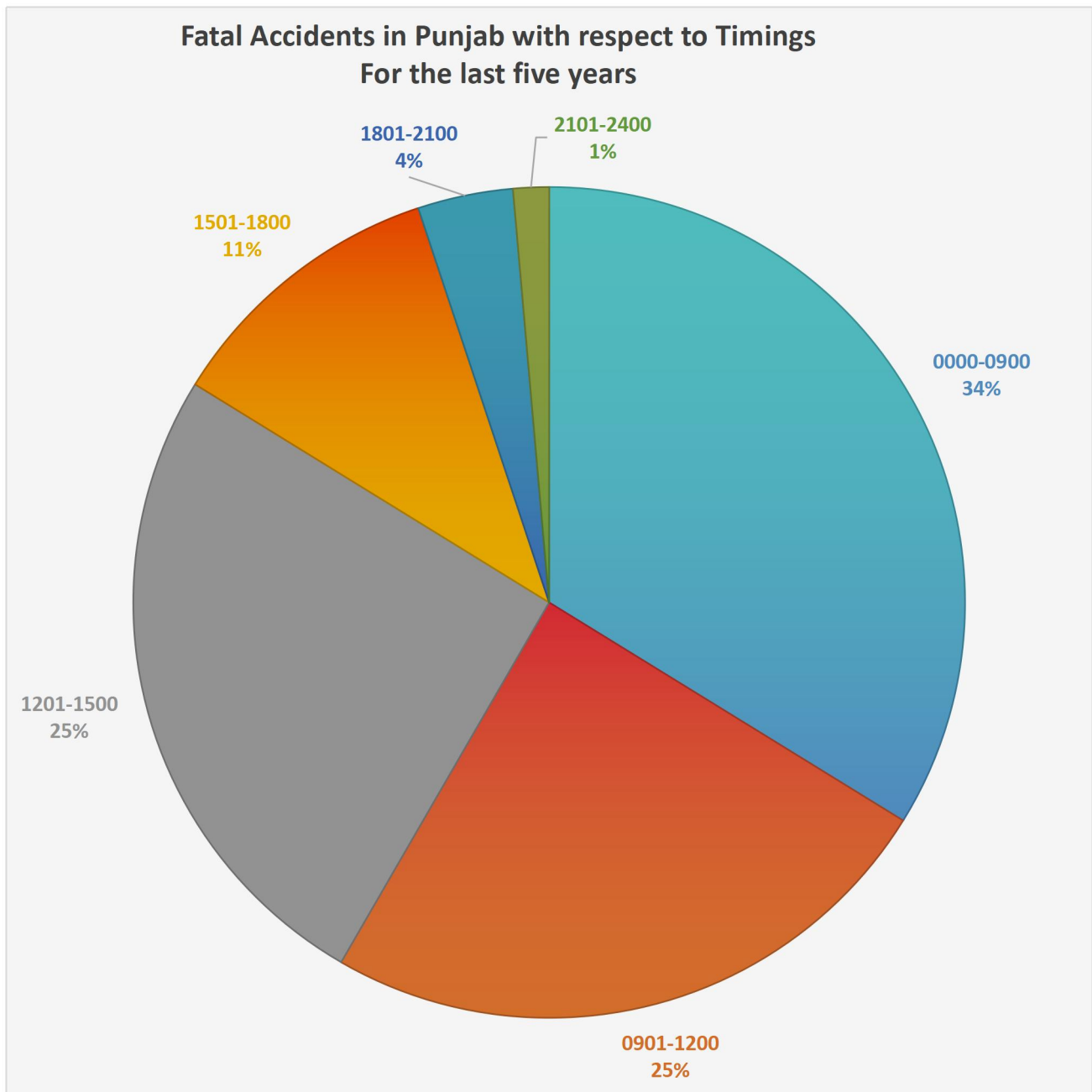
Year	Name of Minerals											Total
	Iron Ore	Coal	Fire Clay	Gravel	Gypsum	Lime Stone	Ord. Sand	Rock Salt	Sand Stone	Silica Sand	Bentonite	
2020	0	33	1	0	0	1	0	5	14	1	0	55
2021	1	24	0	0	2	4	0	6	12	0	0	49
2022	1	23	0	0	2	0	0	2	12	0	1	41
2023	1	21	0	0	1	0	0	5	8	0	0	36
2024	0	20	0	0	1	2	0	7	5	0	0	35
TOTAL	3	121	1	0	6	7	0	25	51	1	1	216





2.5.11 Fatal Accidents in Punjab with respect to Timings for the last five years remained as under:

Year	TIMINGS (24 Hours)						Total
	0000-0900	0901-1200	1201-1500	1501-1800	1801-2100	2101-2400	
2020	20	10	13	7	3	2	55
2021	19	8	16	6	0	0	49
2022	16	12	8	3	2	0	41
2023	11	10	10	4	1	0	36
2024	7	13	8	4	2	1	35
TOTAL	73	53	55	24	8	3	216

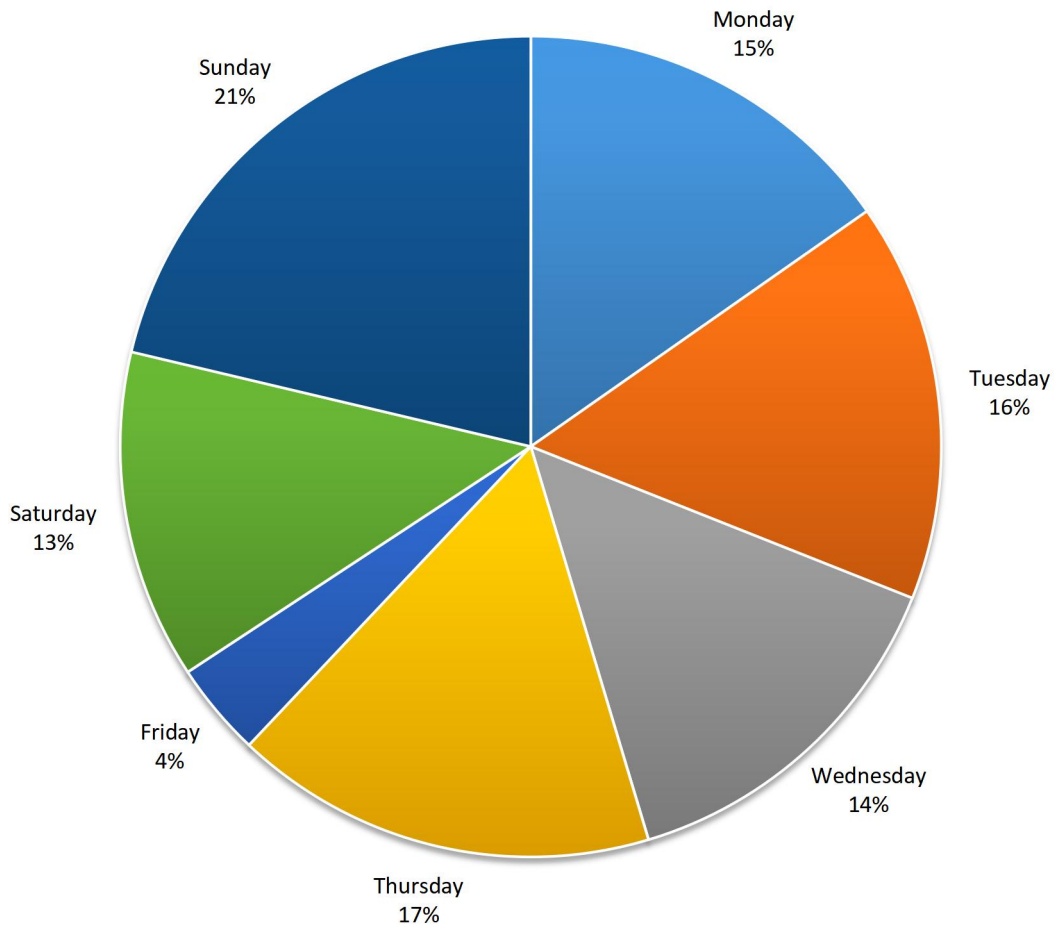




2.5.12 Fatal Accidents in Punjab with respect to days of week for the last five years remained as under:

Year	DAYS							Total
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	
2020	9	6	9	10	0	6	15	55
2021	8	12	10	6	2	3	8	49
2022	5	5	4	7	2	10	8	41
2023	7	5	4	6	1	4	9	36
2024	4	6	4	7	3	5	6	35
Total:	33	34	31	36	8	28	46	216

Fatal Accidents in Punjab with respect to Days for the last five years

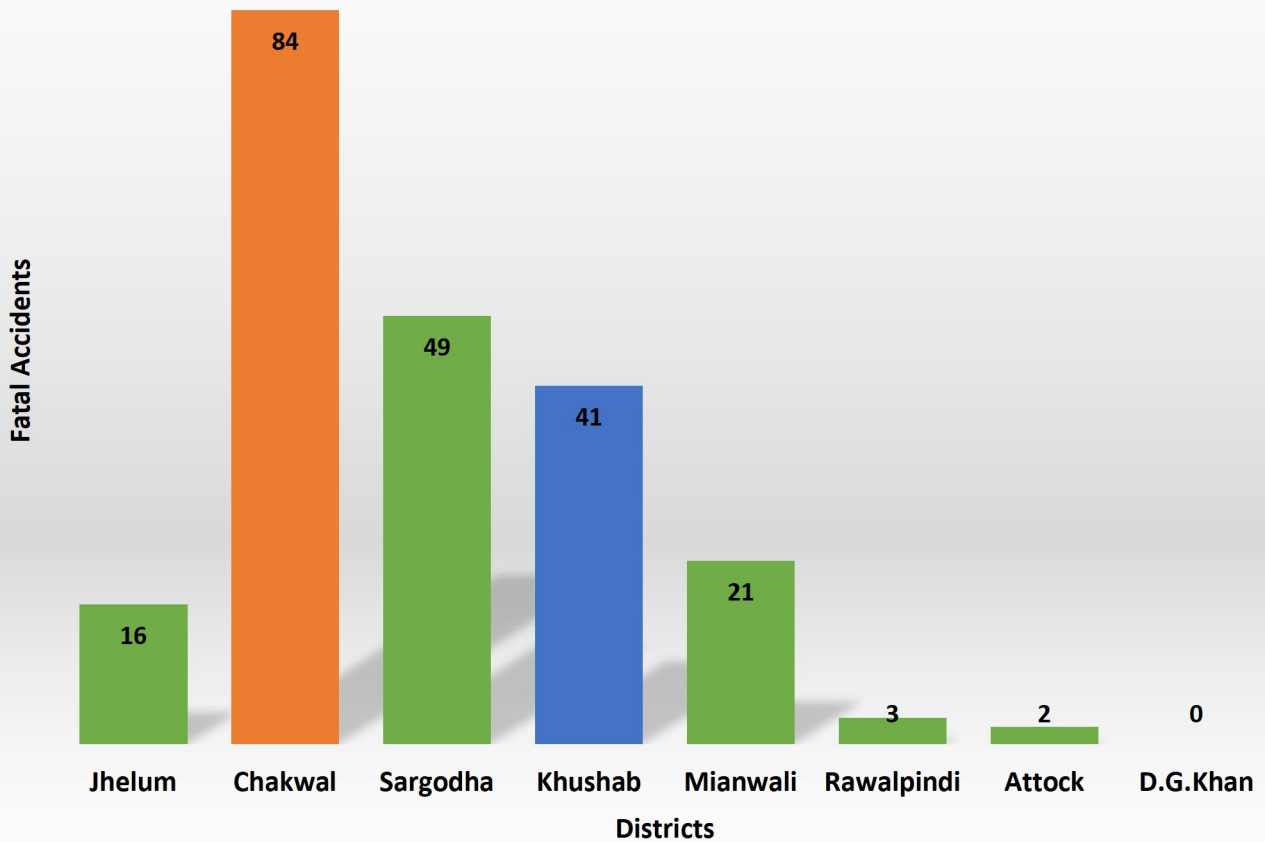




2.5.13 Fatal Accidents in Punjab with respect to mining districts for the last five years remained as under:

Year	DISTRICTS								Total
	Jhelum	Chakwal	Sargodha	Khushab	Mianwali	Rawalpindi	Attock	D.G.Khan	
2020	3	22	14	8	8	0	0	0	55
2021	3	17	11	11	5	2	0	0	49
2022	5	14	12	8	2	0	0	0	41
2023	2	17	7	8	1	1	0	0	36
2024	3	14	5	6	5	0	2	0	35
Total:	16	84	49	41	21	3	2	0	216

Fatal Accidents in Punjab District-wise for the last five years





2.6. Rescue & Recovery

To handle the mine emergencies and to provide rescue facilities to the mine workers trapped in underground mines as well as open quarries, a rescue and recovery wing is operational since 1983. The following rescue stations are engaged in this function:

2.6.1 Mines Rescue & Safety Station, Khushab

Mines Rescue & Safety Station, Khushab is headed by Rescue Superintendent (BS-18), a qualified Mining Engineer and assisted by two Rescue Instructors (BS-17) who are also Mining Engineers. The project was commenced in 1975 and completed in 1983 at a total cost of Rs.7.907 million having a foreign exchange component of Rs. 2.380 million. The main objectives and benefits for the establishment of this Station are:

2.6.1.1 Objectives

- i. To provide prompt rescue facilities to the persons involved in accidents or disasters in mines.
- ii. To train rescue teams at different mines and to help these teams during the emergencies at the mines.
- iii. To hold refresher courses for teams employed by individual mine owners.
- iv. To hold periodical exercises in mines and to acquaint workers with the changing conditions of the mines because of development work.
- v. To hold tests of competency in Rescue Operations and to grant certificates to the successful persons.

2.6.1.2 Benefits

- i. Availability of timely and efficient help in cases of mine accidents.
- ii. Proper knowledge of mine rescue work.
- iii. Availability of efficient and trained workers to deal with emergencies.
- iv. Possibility of saving lives which is not possible otherwise.
- v. Reposing confidence in the mine workers for their profession.

2.6.1.3 The Mines Rescue & Safety Station is not only engaged for attending emergency calls but is also heavily engaged in training of Mining Engineers, Mining Supervisors and Mine Workers by holding Regular Rescue and Refresher Courses.

2.6.1.4 The Regular Rescue Training Course is a fifteen (15) days' course arranged for such mining engineers, supervisors and mine workers who have not get any training in the field of mines rescue. The aim of this training is to enable the mining personnel to provide prompt rescue facility to co-workers in case of any emergency.



2.6.1.5 The persons to be trained in rescue work are carefully nominated by mine owners and mine management on the grounds of their coolness of mind, power of endurance and general suitability for the work and their knowledge of mine. Every person selected for training in rescue have to undergo the course of instructions and practices through rescue apparatus and equipment. After evaluation and assessment, the trained persons are awarded a certificate by Rescue Superintendent.

2.6.1.6 The Rescue Refresher Training Course is a five (5) days' course arranged for such mining personnel who have already attended the Regular Rescue Training Course. This training is aimed to refresh the knowledge and skills of trainees through practical exercises.

2.6.1.7 The rescue courses at Khushab conducted during the last five years are as follows:

Year	Regular Rescue Courses	Participants	Rescue Refresher Courses	Participants
2020	11	148	-	-
2021	11	76	-	-
2022	12	144	-	-
2023	11	150	-	-
2024	12	165	-	-

2.6.1.8 The Mines Rescue & Safety Station uptill now has attended 56 emergencies in which 134 persons were affected, out of which 69 persons were rescued alive and dead bodies of 65 persons were recovered from obnoxious atmosphere in the mines which otherwise would not have been possible. Mine Emergencies reported and attended during the last five years are as follows:

Year	Emergencies Attended	Dead Bodies Recovered	Persons Rescued Alive
2018	2	4	
2019	1	2	
2020	-	-	-
2021	1	3	2
2022	3	6	2

1.6.1.9 The month-wise performance and the list of participants of Regular Rescue Training Courses are given at Annexure-1 & 2.

**2.6.2 Mines Rescue & Safety Sub-Station, Makerwal, District Mianwali**

This project is headed by a qualified Mining Engineer having rank of Rescue Instructor (BS-17) and was completed in 1987 at a total cost of Rs. 3.665 million. The main objectives of the station are:

- i. To provide prompt rescue facilities to the persons involved in accidents or disasters in mines.
- ii. To train rescue teams at different mines and to help those teams during the emergencies at the mines.
- iii. To hold refresher courses for teams employed by individual mine owners.
- iv. To hold periodical exercises in the mines and to acquaint workers with the changing conditions of the mines because of development work.

2.6.2.1 The Rescue Refresher Courses conducted during the last five years is as follows:

Year	Rescue Refresher Courses	Participants
2018	12	68
2019	12	60
2020	5	25
2021	10	50
2022	9	62

In addition to Rescue Refresher Courses, there were 4 Regular Rescue Training Courses arranged at the station with 42 participants (shown in the performance of Mines Rescue & Safety Station, Khushab).

2.6.2.2 Mine Emergencies reported and attended during the last five years are as follows:

Year	Emergencies Attended	Persons Involved	Dead Bodies Recovered	Persons Rescued Alive
2018	-	-	-	-
2019	1	2	2	-
2020	1	2	1	1
2021	-	-	-	-
2022	-	-	-	-

2.6.2.3 The month-wise performance and the list of participants of Rescue Refresher Courses conducted at Mines Rescue & Safety Sub-Station, Makerwal are given at Annexure-3 & 4.



2.6.3 Mines Rescue & Safety Sub-Station, Choa Saiden Shah, District Chakwal

This project is headed by a qualified Mining Engineer having rank of Rescue Instructor (BS-17) and was completed in 1987 at a total cost of Rs. 3.187 million. The main objectives of the station are:

- i. To provide prompt rescue facilities to the persons involved in accidents or disasters in mines.
- ii. To train rescue teams at different mines and to help these teams during the emergencies at the mines.
- iii. To hold refresher courses for teams employed by individual mine owners.
- iv. To hold periodical exercises in the mines and to acquaint workers with the changing conditions of the mines because of development work.

2.6.3.1 The Rescue Refresher Courses conducted during for the last five years is as follows:

Year	Rescue Refresher Courses	Participants
2018	12	53
2019	11	59
2020	03	21
2021	7	51
2022	10	69

In addition to Rescue Refresher Courses, there were 4 Regular Rescue Training Courses arranged at the station with 55 participants (shown in the performance of Mines Rescue & Safety Station, Khushab).

2.6.3.2 Mine Emergencies reported and attended during the last five years are as follows:

Year	Emergencies Attended	Persons Involved	Dead Bodies Recovered	Persons Rescued Alive
2018	1	1	1	0
2019	-	-	-	-
2020	2	4	3	1
2021	1	5	3	2
2022	2	2	2	-

2.6.3.3 The month-wise performance and the list of participants of Rescue Refresher Courses conducted at Mines Rescue & Safety Sub-Station, Choa Saiden Shah are placed at Annexure-5 & 6.



2.7 Teaching & Training

Apart from ensuring safety through inspections and rescue training courses, this department has also taken a bold step to improve the quality and standard of mining activity through improving the standard of education of future supervisors. In this commitment, the following projects are established to effectively play the role as enumerated under:

2.7.1 Punjab School of Mines, Katas, Choa Saiden Shah, District, Chakwal

This project is headed by a Director (BS-19) and was completed on June 30, 1992 at a total cost of Rs. 25.130 million. The functions of the School are to impart pre-employment and in-service training to different categories of persons who have to hold supervisory positions in the Mining Industry. The School is affiliated with Punjab Board of Technical Education (PBTE), Lahore for awarding three years' Diploma of Associate Engineering (DAE) in mine-specific technologies.

The matriculate students with science subjects from all over Pakistan are invited for admission to the diploma classes. The School began with a planned capacity for 20 students of Mine Supervisory course in Mining technology. The first batch consisting of 20 students was inducted in March, 1987 and by graduating three years diploma course was available to mineral sector in March, 1990. In the year 1993, two new technologies were introduced with the capacity of 20 each for Mine Mechanical and Mine Electrical technology by offering admission in alternate years. The scope was enhanced to 40 seats in 1994. A new Technology of Land & Mine Surveying was introduced in 2002 with 22 students and the admission capacity was enhanced to 60 seats. The admission capacity was again enhanced to 90 seats in 2006 and 120 in 2014. In the year 2015, admission in all the four technologies was announced with the capacity of 40 students each.

The 37th batch was admitted in September, 2022 with 82 students which had got registered with Punjab Board of Technical Education, Lahore. Uptill now, 1331 students have been qualified from the Punjab School of Mines, Katas and are serving in different organizations. The year-wise admission of students and result analysis is given at Annexure-7.

2.7.1.1 Distinction

The Punjab School of Mines, Katas has a distinction that it is the only institution of its kind in Pakistan which provides three year vocational training in following mine-specific technologies:

- I. Mining Technology.
- II. Mechanical Technology with Specialization in Mining.
- III. Electrical Technology with Specialization in Mining.
- IV. Land & Mine Surveying Technology.

**2.7.1.2 Major Subjects**

The following technology-wise major subjects are being taught at the School:

Mining Technology	Mechanical Technology	Electrical Technology	Land & Mine Surveying
Mining	Machinery	Electrical Maintenance	Surveying
Geology	Metallurgy	Industrial Economics	Quantity Survey
Mine Ventilation	Hydraulics	Power Generation	Civil Engineering Drawing
Mine Economics	Industrial Management	Flame Proof Machinery	Coal/Metal Mining
Mine Surveying	Thermodynamics	Industrial Management	Computer Technology

2.7.1.3 Admissions

The admission process of 1st year class for Three Year Diploma Courses for Session 2022-2025 was completed in September, 2022. Technology-wise detail of admitted students is as follows:

Technology	Students Admitted
Mining	16
Electrical (Specialization in Mining)	28
Mechanical (Specialization in Mining)	16
Land & Mine Survey	22
Total:	82

2.7.1.4 Results of 1st & 2nd Annual Examinations are shown with the performance of Mining Development Cell, Lahore.

2.7.2 Mine Survey Institute, Makerwal, District Mianwali

This Institute is headed by a Principal (BS-17). This project was completed at a total cost of Rs. 4.225 million. Two years certificate is provided in Land & Mine Surveying Technology by Mining Development Cell, Lahore to the qualifying students. The main objectives of the Institute are as under:

- I. To provide infra-structure to act as feed to the statutory Survey Competency Examination.
- II. To produce readily trained Mine Surveyors.
- III. To help the firms in maintaining the mine plans as per statutory requirements.
- IV. To help in providing the working conditions underground both in safety and conservation of minerals.



The matriculate students with science subjects from all over Pakistan are invited for admission to the certificate course. The first batch of 20 students was inducted in September, 1989 and after qualifying two years certificate course in Mine Surveying was available to mineral sector in September, 1991. The scope was enhanced to 40 students in 1994. The 34th batch of 60 students was admitted in September, 2022.

2.7.2.1 Distinction

The only institute of its kind in Pakistan which provides two years vocational training in Land and Mine Surveying Technology.

2.7.2.2 Major Subjects

The major subjects of Land & Mine Surveying Technology are as under:

- i. Surveying
- ii. Geology
- iii. Mining
- iv. Rescue & Safety
- v. Drawing

2.7.2.3 Solidarity Day on 5th February.

On 5th February 2022 Kashmir Solidarity Day was celebrated, students and dignitaries of this area take part in this ceremony. The students give speeches of the Kashmir history and importance of Kashmir for Pakistan.

2.7.2.4 Pakistan Day

A function was arranged to celebrate the Pakistan Day on 23-03-2022 in which All the students and staff members participated in the ceremony. Students offered speeches on the topic of Pakistan Day.

2.7.2.5 Independence Day

75th Independence Day was celebrated on 14.08.2022 with full emotional national enthusiasm. All the students and staff members participated in the ceremony. National flag was hoisted. National Anthem was played and the cake was cut.

2.7.2.6 Iqbal Day

Allama Muhammad Iqbal day (9th November) was celebrated on 16 November 2022. The participants delivered speeches on Allam Iqbal's life. Undersigned



and Teachers paid tribute to the poet of East.

2.7.2.7 Quaid Day

The students were called specially to celebrate Quaid Day on 26-12-2022. The participants delivered speeches on Quaid-e- Azam Muhammad Ali Jinnah's life. Undersigned and teachers paid tribute to the founder of Pakistan.

2.7.2.8 Study Tours

Following Study tours have been arranged for 1st year and 2nd year classes

Class	Date	Venue
2 nd year	21-11-2022	Lamshewal Mine, Makerwal
1 st year	23-11-2022	Salt Mines Kalabaugh.

2.7.2.9 Plantation

There were 50 new saplings planted during the months of February, 2022.

2.7.2.10 Annual Games.

The annual Games were held on 17-11-2022 to 19-11-2022 in these games, competition among the students of 1st Year and 2nd Year was conducted. The Games was arranged by the Sport incharge Mr. Naeem Ullah Lecturer in English.

2.7.2.11 Visits

- i. On 26-11-2022 worthy Chief Inspector of Mines alongwith Rescue Superintendent Mines Rescue & Safety Station Khushab visited the Mine Survey Institute Makerwal for Inspection.
- ii. On 27-11-2022 the Director Mining Development Cell accompanied with the Assistant Director visited the Mine Survey Institute Makerwal to Inspect the progress of rehabilitation and repair work.

2.7.2.12 Results of 1st& 2nd Annual Examinations are given in the performance of Mining Development Cell, Lahore in para 2.9.1.3.

2.7.3 In-Service Training

2.7.3.1 Training plays a fundamental role to protect the miners from illness and injury on the job. Inspections alone cannot keep the mines accident free. In-service training is provided to the mine



workers with a vision to give them awareness about the safety measures to be taken by them during working. Such training also enables the miners to do their jobs in a proficient way and is crucial to the reduction of accidents and occupational diseases.

2.7.3.2 The Training Officer (Hqr) Lahore looks after this important area. The in-service training courses are organized at mines sites and quarries in coordination with Inspecting Officers. The detail of courses conducted during the year, 2022 is as follows:

Sr. No.	Name of Course	Participants	Venue	Duration
1.	SHOT FIRER	81	RESCUE SQUAD, PULL 111, SARGODHA	25 th & 26 th JANUARY, 2022
2.	MINE VENTILATION	69	M/S WAH STONE & LIME QUARRY DANDOT	22 nd & 23 rd February, 2022
3.	TIMBERMAN	42	M/S CH. ATTA ULLAH COLLIERIES, KHUSHAB	29 th & 30 th March, 2022
4.	SHOT FIRER	68	M/S PUNJMIN MURMANDI QUAIDABAD PROJECT MIANWALI	24 th & 25 th May, 2022
5.	SHOT FIRER	90	PUNJAB SCHOOL OF MINES, KATAS	20 th & 26 th June, 2022
6.	PERMIT & FIRST AID	60	SARGODHA	16 th & 17 th August, 2022
7.	TIMBERMAN	60	CHOA SAIDEN SHAH	27 th & 28 th September, 2022
8.	TIMBERMAN	57	MIANWALI	16 th & 17 th October, 2022
9.	MINE VENTILATION	60	KHUSHAB	16 th & 17 th November, 2022
10.	MINE ACCIDENT	79	CHAKWAL	December, 2022
Total Participants:		666		

2.7.3.3 The lists of participants of these courses may be seen at Annexure-8 to Annexure-18.

2.7.4 Model Mine -- Demonstration -- Transfer of Technology

Training Mine for Mine Supervisors & Mining Technicians, Choa Saiden Shah, District Chakwal is headed by a Mine Manager (BS-19) and assisted by an Assistant Mine Manager (BS-18) and a Workshop Engineer (BS-18). The project was completed at a total cost of Rs. 34.263 million on 30th June, 1993. The main purpose of the establishment of Training Mine is to provide practical training to the prospective supervisors in actual working conditions to facilitate the transfer of



technology of the mineral sector through rationally trained manpower on the analogy of Medical College and practicing Hospital.

The main objectives of Training Mine are as follows:

- I. Availability of skilled and trained Mining Supervisors & Mining Technicians.
- II. Better and safe-working methods of ensuring enhanced safety and indirectly increased production.
- III. Conservation of Miners wealth which is otherwise wasted due to unsafe and outmoded methods.
- IV. Reduction in the number of accidents.
- V. Reposing confidence of safety amongst the miners and making them safety conscious.
- VI. Awareness about mine hazards.
- VII. Facilities for experiments on mining hazards.

The performance of Training Mine, Katas during the year, 2022 is briefed as follows:

2.7.4.1 Practical Training

Following classes (Session 2021-22) has being trained at Training Mine Katas from January to March 2022 according to prescribed training schedule.

- ✧ 1st year Mining M-36
- ✧ 1st year Mine Mechanical M-36
- ✧ 1st year Mine Electrical M-36
- ✧ 1st year Land & Mine Survey M-36
- ✧ 2nd year Mining M-35
- ✧ 2nd year Electrical M-35
- ✧ 2nd Year Mechanical M-35
- ✧ 3rd year Mining M-34
- ✧ 3rd year Mine Mechanical M-34
- ✧ 3rd year Mine Electrical M-34

The session was closed due to First Annual Examination 2022 during the months of June to August 2021 at Punjab School of Mines Katas.

2.7.4.2 Practical Training Viva Voce (1st Annual).



1st Annual Practical Viva for all classes was conducted from 10.05.2022 to 23.05.2022 at Training Mine Katas.

2.7.4.3 Practical Training Viva Voce (2nd Annual).

2nd Annual Practical Viva for all classes was conducted from 14.11.2022 to 24.11.2022 at Training Mine Katas.

2.7.4.4 New Session 2021-22:

New Session 2022-23 has started from the September 2022. Following classes (Session 2022-23) has being trained at Training Mine Katas from September 2022 to December 2022 according to prescribed training schedule.

- ❖ 1st year Mining M-37
- ❖ 1st year Mine Mechanical M-37
- ❖ 1st year Mine Electrical M-37
- ❖ 1st year Land & Mine Survey M-37
- ❖ 2nd year Mining M-36
- ❖ 2nd year Electrical M-36
- ❖ 2nd Year Mechanical M-36
- ❖ 3rd year Mining M-35
- ❖ 3rd year Mine Mechanical M-35
- ❖ 3rd year Mine Electrical M-35

2.7.4.4 Field Training of 3rd Year Mining/Mechanical/Electrical Class

Date/ Day	Contents
Wednesday 26-01-2022	<ul style="list-style-type: none"> • Visit of PMDC salt Mine Khewra. • Study of ventilation used in Salt Mine.
Wednesday 09-02-2022	<ul style="list-style-type: none"> • Visit to Bestway cement plant & Lime Stone Quarry. • Practical of Drilling & Blasting pattern.

2.7.4.5 Underground Mine Work/Surface Activities:

- ❖ Maintenance of Underground Mine/Machines installed at/in mine.
- ❖ Maintenance/Repairing of Electric wiring/installation in mine.



- ❖ Maintenance of Machinery/equipment installed in workshops/laboratories.
- ❖ A Park was designed for children to play in Training Mine Colony Katas.
- ❖ 05 No. of different types of Swings/Slides/see saw were mad in the Main Workshop for the children to play which were installed in the Training Mine colony Katas
- ❖ Hafta-e-safayee conducted at Training Mine Katas during the last week of August 2021. All officers/officials of Training Mine participated and all area of office/mine has been cleaned & removed the bushes from the area.
- ❖ As per the instructions of the Government of Punjab , a large scale plantation drive was launched in which plants brought from Forest Department Chakwal & Kallar Kahar were planted in the month of February 2022 and July 2022.

2.7.4.6 General/Surface Activities

- Maintenance of haulage and band saw.
- Lubrication of haulage drum, rope and ruler at incline mouth.
- Maintenance of electrical panel board at generator station.
- Plantation in the Mine area and mine colony.
- General cleanliness and maintenance i.e. cutting of trees, bushes and grass in the Training Mine premises and Mine Colony area continued during the year.

2.8 Mine Sample Testing – Research

A laboratory namely “Mine Sample Testing Laboratory, Khushab” was established in 1984, headed by a Senior Research Officer (BS-18), a qualified Mining Engineer and assisted by two Research Officers (BS-17). This project was completed on 30th June, 1984 by a total cost of Rs. 3.976 million. The main objectives of the Laboratory are to test and analyze the samples drawn from the mines with the view to forecast dangers in mines and to ensure:

- I. Uniformity in the working environments in mines.
- II. Minimum required standards of safety.
- III. Improved working conditions.
- IV. Less accidents rate in mines resulting inter alia reposing confidence in workers.
- V. Detection of occupational diseases and their remedy.

2.8.1 The detail of different types of samples collected for the last five years is as follows:



Sr. No.	Type of Samples	Years				
		2020	2021	2022	2023	2024
1	Gas	400	552	489	400	498
2	Humidity	146	255	389	432	468
3	Light	138	156	76	82	137
4	Dust	367	526	481	385	477
15	Ventilation	117	174	138	99	129
6	Temperature	169	247	385	403	438
7	pH. of Water	118	149	221	390	453
8	Noise	77	186	220	216	326
Total:		3421	1532	2245	2407	2688

2.8.2 During the year under report, out of 2688 samples collected from 168 mines, 759 were found beyond the permissible limits. In this way, 328% of the total sample collected were sub-standard for which mining firms were advised to take precautionary measures to avoid any critical situation in and about the mines and provide safe working environment to the workers. The detailed performance of Mine Sample Testing Laboratory is given at Annexure-5 and sub-standard samples with their analysis at Annexure-6.

2.9 Planning & Development

Planning helps an organization to achieve its goals or objectives. The process begins with reviewing the current operations of the organization and identifying what needs to be improved operationally in the upcoming years. Planning involves envisioning the results the organization wants to achieve and determining the necessary steps to arrive at the intended destination. After a strong planning, the process of development takes place in terms of systematic use of scientific and technical knowledge to meet specific goals. This department has established a wing for planning and development of mining sector i.e. Mining Development Cell.

2.9.1 Mining Development Cell

The Mining Development Cell is headed by a Director (BS-19) assisted by two Assistant Directors (BS-17). This project was completed on 30th June, 1993 by a total cost of Rs. 4.108 million. The functions of the Cell are to prepare and implement new development schemes as well as to



develop curricula and prepare text books for the students of Punjab School of Mines, Katas and Mine Survey Institute Makerwal. The main objectives are:

- I. Preparation of new development schemes and necessary revision as and when required.
- II. Execution of development schemes, indenting, purchasing and installation of machinery.
- III. Preparation of curricula and detailed courses (text books) for various disciplines of mining.
- IV. To conduct statutory examinations under the Mines Act, 1923 and other examination of all Training Institutes of the Inspectorate of Mines.

The performance of Mining Development Cell, Lahore for the year ending 20224 is given as follows:

2.9.1.1 Admissions

The admission process of Punjab School of Mines, Katas, District Chakwal for Session 2024-28 and Mine Survey Institute, Makerwal, District Mianwali for Session 2022-24 was carried out in which 60 students were admitted respectively.

2.9.1.2 Examinations

- I. The 2nd Annual Examination, 2024 of Mine Survey Institute, Makerwal was conducted on December, 2024
- II. The 2nd Annual Examination, 2024 of Punjab School of Mines, Katas was conducted by Punjab Board of Technical Education, Lahore w.e.f.
- III. The 1st Annual Examination, 2024 of Punjab School of Mines, Katas and Mine Survey Institute Makerwal were conducted on

2.9.1.3 Results

i. Punjab School of Mines, Katas, Choa Saiden Shah, District Chakwal

a) The result of 2nd Annual Examination, 2024 was declared by the Punjab Board of Technical Education, Lahore which is briefed as follows:

Sr. No.	Classes	Students Appeared	Pass	Fail	Pass Percentage
1.	1 st year	47		47	0%
2.	2 nd year	49	5	44	10%



3.	3 rd year	40	21	19	48%
Overall position:		136	26	110	19%

b) The result of 1st Annual Examination, 2022 of Punjab School of Mines, Katas was declared which is briefed as follows:

Sr. No.	Classes	Students Appeared	Pass	Fail	Pass Percentage
1.	1 st year	47		47	0%
2.	2 nd year	49	5	44	10%
3.	3 rd year	40	21	19	48%
Overall position:		136	26	110	19%

ii. Mine Survey Institute, Makerwal District Mianwali

a) The result of 2nd Annual Examination, 2024 of Mine Survey Institute, Makerwal was declared by Mining Development Cell on 28-03-2024 which is briefed as follows:

Sr. No.	Classes	Students appeared	Passed	Failed	Pass percentage
1.	1 st year	15	14	1	93%

b) The result of 1st Annual Examination, 2024 of Mine Survey Institute, Makerwal was declared by Mining Development Cell on 31.08.2024 which is briefed as follows:

Sr. No.	Classes	Students appeared	Passed	Failed	Pass percentage
1.	1 st year	78	11	67	14%
2.	2 nd year	24	18	6	72%
Over all position:		102	29	73	28%



SECTION-III

STAFF STRENGTH

3.1 During the year 2024, the following officers of the Inspectorate of Mines, Punjab remained on roll in the department:

Sr. No.	Name of Officer	Designation
1.	Engr. Syed Mustafa Raza	Chief Inspector of Mines, Punjab, Lahore.(Add Charge)
2.	Engr. Muhammad Kabir	Deputy Chief Inspector of Mines, Punjab, Lahore.
3.	Mr. Irfan Akram	Deputy Director (Budget & Statistics) Punjab, Lahore
4.	Engr. Syed Mustafa Raza	Director Mining Development Cell, Lahore.
5.	Engr. Muhammad Saleem Langah	Director Punajb School of Mines, Katas
6.	Engr. Azam Sohail	Sr. Research Officer, Mine Sample Testing Laboratory. Khushab. (Additional charge as Rescue Superintendent, Mines Rescue & Safety Station, Khushab).
7.	Muhammad Tahir Dogar	Chief Draftsman (Hqr.), Lahore.
8.	Engr. Ch. Muhammad Ashraf	Inspector of Mines, Rawalpindi.
9.	Engr. Mian Afzal Hussain	Inspector of Mines, Sargodha.
10.	Engr. Muhammad Shahbaz	Junior Inspector of Mines, Khushab.
11.	Engr. Muhammad Shafi	Junior Inspector of Mines, Dera Ghazi Khan.
12.	Engr. Faisal Ramzan	Junior Inspector of Mines, Jhelum.
13.	Engr. Tassawar Hussain	Junior Inspector of Mines, Mianwali.
14.	Engr. Muhammad Ajmal	Junior Inspector of Mines, Khushab.
15.	Syed Waseem ul Hassan Rizvi	Junior Inspector of Mines Gujranwala at Sialkot
16.	Engr. Zahid Mahmood	Mine Manager, Training Mine, Katas, Chakwal.
17.	Engr. Muhammad Shahbaz	Deputy Director, Punjab School of Mines, Katas, Chakwal.
18.	Engr. Sibghat Ullah	Deputy Director, Punjab School of Mines, Katas, Chakwal (Additional charge as Director, Punjab School of Mines, Katas, Chakwal).
19.	Mr. Yasin Sultan Khan	Statistical Officer, Lahore (posted as Section Officer Budget in administrative Department).



Sr. No.	Name of Officer	Designation
20.	Engr. Tahir Ali	Rescue Instructor, Mine Rescue & Safety Sub-Station, Makerwal District Mianwali
21.	Engr. Muhammad Shahbaz	Assistant Director, (Training), (Hqr.), Lahore.
22.	Engr. Muhammad Ajmal	Jr. Inspector of Mines, Khushab.
23.	Engr. Faisal Ramzan	Rescue Instructor, Mine Rescue & Safety Sub-Station, Makerwal District Mianwali
24.	Engr. Fareed Ishfaq	Assistant Director, Mining, Punjab School of Mines, Katas.
25.	Engr. Waqar Tariq	Principal, Mines Survey Institute Makerwal.
26.	Engr. Jawad Raza	Assistant Director, (Training), Punjab School of Mines, Katas.
27.	Engr. Waseem Akram	Training Officer (Hqr.), Lahore. (OPS)
28.	Eng. Muhammad Amir Ali	Rescue Instructor, Mine Rescue & Safety Sub - Station, Choa Saiden Shah District Chakwal
29.	Mr. Naseer Ahmed	Lecturer (Physics), Punjab School of Mines, Katas, District Chakwal.
30.	Mr. Amjad Hussain	Lecturer (Mathematics), Mine Survey Institute, Makerwal District Mianwali.
31.	Engr. Qudrat Ullah	Workshop Engineer, Training Mine, Katas, District Chakwal.
32.	Mr. Naeem Ullah	Lecturer (English), Mine Survey Institute, Makerwal District Mianwali.
33.	Mr. Abuzar Ghaffari	Assistant Director (Mechanical), Punjab School of Mines, Katas, District Chakwal.
34.	Mr. Khurram Shahzad	Lecturer (Economics), Punjab School of Mines, Katas. (Posted at Mining Development Cell, Lahore under section 9)
35.	Mr. Muhammad Ajaz Anjum	Assistant Director (Electrical), Punjab School of Mines, Katas, District Chakwal.
36.	Mr. Rodahan Zamir	Lecturer (Chemistry), Punjab School of mines, Katas.
37.	Mr. Muhammad Javed Ashraf	Lecturer (Economics), Punjab School of Mines, Katas.



Sr. No.	Name of Officer	Designation
38.	Mr. Aziz-ur-Rehman	Survey & Drawing Officer, Mine Survey Institute, Makerwal District Mianwali.
39.	Mr. Muhammad Zafar Iqbal	Electrical & Mechanical Foreman, Training Mine, Katas, District Chakwal.
40.	Mr. Tahir Abbas Khan	Survey & Drawing Officer, Sargodha.
41.	Mr. Muhammad Zubair	Survey & Drawing Officer, Katas, District Chakwal.
42.	Mr. Fida Muhammad	Survey & Drawing Officer, Katas, District Chakwal.
43.	Mrs. Nadia Najaf	Translator, Mining Development Cell, Lahore. (Posted as Statistical Officer at Mines Labour Welfare Organization under Section 9)
44.	Mr. Kishwer Nand	Computer Instructor, Punjab School of Mines, Katas, District Chakwal.
45.	Mr. Arshad Hameed	Sr. Instructor (Electrical), Training Mines, Katas, District Chakwal.
46.	Mrs. Nusrat Yaseen	English Teacher, Punjab School of Mines, Katas, District Chakwal.
47.	Mr. Naeem Ahmed Awan	Sr. Laboratory Technician, Mine Sample Testing Laboratory, Khushab.
48.	Mr. Ali Akbar	Office Superintendent (Hqr.), Lahore.
49.	Mr. Javaid Iqbal	Office Superintendent, Punjab School of Mines, Katas, District Chakwal.
50.	Mr. Zahid-ur-Rehman	Sr. Instructor (Mining), Punjab School of Mines, Katas, District Chakwal.
51.	Mr. Muhammad Faheem Awan	Sr. Instructor (Mining), Training Mine, Katas, District Chakwal.
52.	Mr. Ahsan Shehzad	Assistant Statistical Officer (Hqr.), Lahore.
53.	Mr. Shakeel Mohsin	Sr. Cameraman, (Hqr.), Lahore.
54.	Mr. Asghar Bashir Dar	Assistant Budget Officer (Hqr.), Lahore.

3.2 The officers promoted during the year, 2024:

Sr. No.	Name of Officer/Official	Designation		With Effect From
		From	To	
1.	Mr. Muhammad Tahir Dogar	Head Draftsman (Hqr.), Lahore.	Chief Draftsman (Hqr.), Lahore.	16.02.2024



2.	Engr. Muhammad Aslam	Jr. Inspector of Mines, Chakwal.	Inspector of Mines, (Hqr.), Lahore.	19.08.2024
3.	Engr. Muhammad Shafi	Jr. Inspector of Mines, Jhelum.	Rescue Superintendent, Mines Rescue & Safety Station, Khushab.	19.08.2024
4.	Engr. Zahid Mahmood	Assistant Mine Manager, Training Mine, Katas, Chakwal.	Mine Manager, Training Mine, Katas, Chakwal.	08.12.2024
5.	Engr. Syed Mustafa Raza	Inspector of Mines, (Hqr.), Lahore.	Director Mining Development Cell, Lahore.	08.12.2024

3.3 The officers transferred and posted during the year, 2024:

Sr. No.	Name of Officer	Designation		With Effect From
		From	To	
1.	Engr. Faisal Ramzan	Jr. Inspector of Mines, Khushab.	Jr. Inspector of Mines, Sargodha.	15.04.2024
2.	Engr. Tasawar Hussain	Jr. Inspector of Mines, Sargodha.	Rescue Instructor, Mine Rescue & Safety Sub-Station, Makerwal District Mianwali	20.04.2024
3.	Engr. Muhammad Shahbaz	Rescue Instructor, Mine Rescue & Safety Sub-Station, Makerwal District Mianwali	Jr. Inspector of Mines, Khushab.	20.04.2024
4.	Engr. Tahir Ali	Research Officer, Mine Sample Testing Laboratory Khushab	Rescue Instructor, Mine Rescue & Safety Sub-Station, Makerwal District Mianwali	25.08.2024
5.	Engr. Waqar Tariq	Assistant Director Training Safety Engineer presently working as Lecturer Mining, Mines Survey Institute Makerwal.	Principal, Mines Survey Institute, Makerwal.	29.08.2024
6.	Engr. Muhammad Ajmal	Research Officer, Mines Sample Testing Laboratory, Khushab.	Rescue Instructor Mines Rescue & Safety Station, Khushab.	20.04.2024
7.	Engr. Faisal Ramzan	Jr. Inspector of Mines, Sargodha.	Rescue Instructor, Mine Rescue & Safety Sub-Station, Makerwal District Mianwali	27.06.2024



Sr. No.	Name of Officer	Designation		With Effect From
		From	To	
8.	Engr. Tassarwar Hussain	Rescue Instructor, Mine Rescue & Safety Sub-Station, Makerwal District Mianwali	Jr. Inspector of Mines, Mianwali	27.06.2024
9.	Engr. Jawad Raza - Principal, Mines Survey Institute, Makerwal.	Principal, Mines Survey Institute, Makerwal.	Assistant Director, (Training), Punjab School of Mines, Katas.	27.06.2024
10.	Engr. Fareed Ishfaq	Assistant Director (Training) Punjab School of Mines Katas, District Chakwal.	Principal, Mines Survey Institute, Makerwal.	27.06.2024
11.	Mr. Muhammad Javed Ashraf	Subject specialist (Economics) Mines Labour Welfare Boys High Secondary School Makerwal, Mianwali.	Lecturer (Economics), Punjab School of Mines, Katas.	19.09.2024
12.	Mr. Yasin Sultan Khan	Statistical Officer, Lahore	Re-Posted as Section Officer Budget in administrative Department).	20.07.2024
13.	Mrs. Nadia Najaf	Translator, Mining Development Cell, Lahore.	Posted as Statistical Officer at Mines Labour Welfare Organization under Section 9)	18.03.2024

3.4 The officers held Additional Charge during the year, 2022:

Sr. No.	Name & Designation of the Officer	Additional Charge	With Effect From
1.	Engr. Azam Sohail	Rescue Superintendent, Mines Rescue & Safety Station, Khushab).	
2.	Engr. Faisal Ramzan	Rescue Instructor, Rescue Squad Pull-111, Sargodha.	20.04.2024
3.	Engr. Sibghat Ullah	Director, Punjab School of Mines, Katas, Chakwal.	21.07.2024
4.	Mrs. Nadia Najaf	Assistant Director (Monitoring & Cordination)	19.09.2024



3.5 The officers held Current Charge during the year, 2022:

Sr. No.	Name & Designation of the Officer	Additional Charge	With Effect From
1.	Engr. Muhammad Saleem Langah	Chief Inspector of Mines, Punjab, Lahore.	21.07.2024

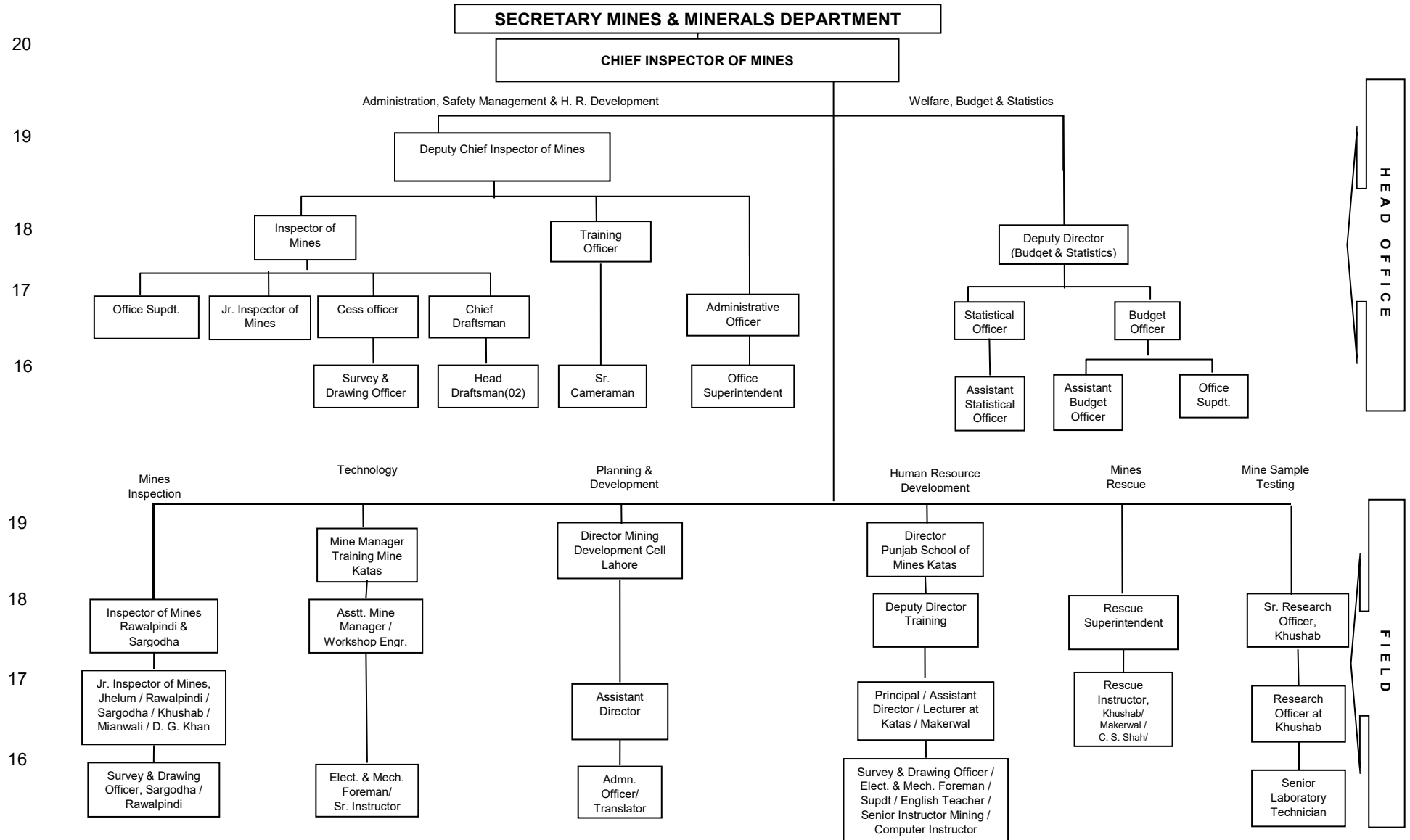
3.6 The officers remained on Earned Leave/Ex-Pakistan/Extra Ordinary Leave during the year under report:

Sr. No.	Name of Officer	Ex-Pakistan/Extra Ordinary/ Earned Leave		Remarks
		From	To	
1.	Engr. Jawad Raza - Principal, Mines Survey Institute, Makerwal.	15.09.2024	15.11.2024	62 days Earned leave on full pay.
2.	Engr. Syed Mustafa Raza	28.11.2024	16.12.2024	19 days Ex-Pakistan leave on full pay.



GRADE

Organizational Chart of the Chief Inspectorate of Mines, Punjab during the Year, 2024



**3.9 Grade-Wise Strength of Inspectorate of Mines, Punjab**

BASIC PAY SCALES	NO. OF POSTS AS ON 31.12.2024		
	HEADQUARTER	FIELD OFFICES	TOTAL
20	1	0	1
19	1	3	4
18	3	13	16
17	9	40	49
16	11	24	35
15	10	26	36
14	8	36	44
13	0	2	2
12	0	2	2
11	13	26	39
10	0	41	41
9	0	2	2
8	0	2	2
7	2	17	19
6	0	1	1
5	2	20	22
4	6	37	43
3	0	4	4
2	1	0	1
1	15	99	114
Total:	82	395	477

**3.10 Distribution of Permanent/Temporary Posts of Inspectorate of Mines, Punjab for the Year, 2022****3.10.1 Office of the Chief Inspector of Mines, Punjab, Lahore.**

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Chief Inspector of Mines	20	1	0	1
Deputy Chief Inspector of Mines	19	1	0	1
Training Officer	18	1	0	1
Inspector of Mines	18	1	0	1
Deputy Director (Budget & Statistics)	18	1	0	1
Junior Inspector of Mines	17	1	0	1
Statistical Officer	17	1	0	1
Budget Officer	17	1	0	1
Cess Officer	17	1	0	1
Chief Draftsman	17	1	0	1
Assistant Director (Monitoring)(SNE)	17	0	1	1
Office Superintendent	17	3	0	3
Survey & Drawing Officer	16	1	0	1
Senior Camera Man	16	1	0	1
Administrative Officer (Surrendered)	16	1	0	1
Assistant Statistical Officer	16	1	0	1
Assistant Budget Officer	16	0	1	1
Head Draftsman	16	2	0	2
Senior Scale Stenographer	16	1	0	1
Assistant	16	3	0	3
Stenographer	15	9	0	9
Statistical Assistant	15	1	0	1
Camera Operator	14	1	0	1
Mine Surveyor	14	1	0	1
Senior Clerk	14	4	2	6
Budget Assistant	11	1	0	1
Senior Draftsman	11	1	0	1
Surveyor	11	1	0	1
Junior Clerk	11	10	0	10
Projector Operator	07	1	0	1
OSD Post of Projector Operator	07	1	0	1



Wireless Operator	05	1	0	1
Tracer	05	1	0	1
Driver	04	6	0	6
Daftri	02	1	0	1
Cameraman Helper	01	1	0	1
Naib Qasid	01	9	0	9
Chainman	01	2	0	2
Chowkidar	01	1	0	1
Sweeper	01	2	0	2
Total:		78	4	82

3.10.2 Office of the Director, Mining Development Cell, Lahore

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Director	19	1	-	1
Assistant Director (one post of AD Surrendered)	17	2	-	2
Assistant Director (Planning) (CSNE)	17	-	1	1
Administrative Officer (surrendered)	16	1	-	1
Translator	16	1	-	1
Stenographer	15	4	-	4
Computer Operator	15	1	-	1
Assistant Librarian cum Audio Visual Assistant	14	1	-	1
Senior Clerk	14	1	-	1
Mechanical Draftsman	13	1	-	1
Junior Clerk	11	1	-	1
Driver	04	1	-	1
Book Binder	03	1	-	1
Naib Qasid	01	2	-	2
Chowkidar	01	1	-	1
Mali	01	1	-	1
Sweeper	01	1	-	1
Total:		21	1	22

**3.10.3 Office of the Director, Punjab School of Mines, Katas**

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Director	19	1	0	1
Deputy Director	18	2	0	2
Deputy Director (Training Academy)	18	0	1	1
Deputy Director (Electrical)	18	0	1	1
Deputy Director (Mechanical)	18	0	1	1
Assistant Professor (All Category)	18	0	1	1
Assistant Director	17	7	0	7
Assistant Director (Civil)	17	0	1	1
Lecturer English	17	0	1	1
Lecturer Industrial Management	17	0	1	1
Lecturer Physics	17	1	0	1
Lecturer Economics	17	1	0	1
Lecturer Chemistry	17	1	0	1
Lecturer Mathematics	17	1	0	1
Lecturer Islamiat & Pakistan Studies	17	1	0	1
Superintendent	17	1	0	1
Course Coordinator (Training Academy)	17	0	1	1
Survey & Drawing Officer	16	2	1	3
Senior Instructor Mining	16	1	0	1
Senior Instructor (Electrical & Mechanical)	16	0	1	1
Electrical & Mechanical Foreman	16	1	0	1
Computer Instructor	16	1	0	1
Instructor Computer	16	0	1	1
English Teacher	16	1	0	1
Head Clerk	16	1	0	1
Assistant Lecturer (Training Academy)	16	0	1	1
Stenographer	15	2	0	2
Computer Operator	15	1	0	1
Computer Operator (Training Academy)	14	0	1	1
Instructor Mining	14	2	0	2
Assistant Librarian	14	1	0	1
Mine Surveyor	14	1	1	2
Junior Instructor (Electrical Mechanical & Mining)	14	0	2	2



Junior Clerk	11	2	0	2
Store Keeper	11	1	0	1
Account Assistant	10	1	0	1
Cashier	11	1	0	1
Electrician	10	1	0	1
Mechanic	10	1	0	1
Model Maker	10	1	0	1
Physical Instructor	09	1	0	1
Surveyor Helper	07	0	1	1
Projector Operator	06	1	0	1
Driver	04	3	0	3
Driver (Training Academy)	04	0	1	1
Store Attendant	03	1	0	1
Workshop Helper	03	3	0	3
Workshop Helper (OSD for the period from 22.06.2020 to 31.01.2023) Mr. Muhammad Abbas (late)	04	1	0	1
Lab Attendant	01	0	4	4
Naib Qasid	01	4	0	4
Chowkidar	01	2	0	2
Cleaner	01	1	0	1
Mali	01	1	0	1
Cook	01	3	0	3
Sweeper	01	2	0	2
Total:		61	22	83

3.10.4 Office of the Mine Manager, Training Mine for Mine Supervisors & Mining Technicians, Katas.

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Mine Manager	19	1	-	1
Assistant Mine Manager	18	1	-	1
Workshop Engineer	18	1	-	1
Electrical & Mechanical Foreman	16	1	-	1
Senior Instructor	16	1	1	2
Stenographer	15	1	-	1
Account Assistant	15	1	-	1



Electrical Sub Engineer	14	3	-	3
Mine Surveyor	14	1	-	1
Material Superintendent	14	1	-	1
Instructor Mechanical	14	0	1	1
Mine Sirdar	10	1	-	1
Timbering Supervisor	08	2	-	2
Safety Lamp Room Incharge	07	1	-	1
Pipe Layer Fitter	07	1	-	1
Miner	07	12	-	12
Typist	05	1	-	1
Time Keeper	05	1	-	1
Store Keeper	05	1	-	1
Rail Track Mistri	05	1	-	1
Compressor Driver	05	1	-	1
Electrician	05	1	-	1
Mechanic	05	1	-	1
Loco Driver	05	2	-	2
Driver	04	2	-	2
Haulage Driver	04	2	-	2
Haulage Attendant	01	1	-	1
Safety Lamp Room Attendant	01	2	-	2
Naib Qasid	01	3	-	3
Workshop attendant (Ventilation Lab)	01	0	1	1
Workshop attendant (Mechanical Lab)	01	0	1	1
Workshop attendant (Technical Lab)	01	0	1	1
Chowkidar	01	4	-	4
Chowkidar (OSD for the period from 02.01.2020 to 26.01.2055) Mr. Muhammad	01	1	-	1
Sweeper	01	2	-	2
Total:		55	5	60

3.10.5 Office of the Principal Mine Survey Institute, Makerwal.

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Principal	17	1	-	1
Lecturer (English/Math/Mining/Civil)	17	4	-	4



Senior Computer Instructor	17	1	-	1
Survey & Drawing Officer	16	1	-	1
Stenographer	15	1	-	1
Account Assistant	15	1	-	1
Mine Surveyor	14	3	-	3
Senior Clerk	14	1	-	1
Junior Clerk	11	1	-	1
Draftsman	11	1	-	1
Driver (one of Mr. Hameedullah, Ex- Driver for the period from 25.04.2024 to 31.01.2024)	04	4	-	4
Cleaner	01	1	-	1
Cook	01	2	-	2
Lab Attendant	01	1	-	1
Attendant	01	1	-	1
Naib Qasid	01	1	-	1
Chowkidar	01	2	-	2
Mali	01	1	-	1
Sweeper	01	2	-	2
Total:		30		30

3.10.6 Office of the Senior Research Officer, Mine Sample Testing Laboratory, Khushab

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Senior Research Officer	18	1	-	1
Senior Research Officer (Mineral Analyst) (CSNE)	18	-	1	1
Research Officer	17	2	-	2
Research Officer (Mineral Analyst) (CSNE)	17	-	1	1
Sr. Laboratory Technician	16	1	-	1
Stenographer	15	2	-	2
Laboratory Technician	14	3	1	3
Senior Clerk Cum Cashier	14	1	-	1
Sr. Draftsman	11	1	-	1
Store Keeper	11	1	-	1
Driver	04	1	-	1
Laboratory Attendant	04	4	-	4
Naib Qasid	01	2	-	2
Mali	01	1	-	1
Chowkidar	01	1	-	1
Sweeper	01	1	-	1
Total:		22	3	25

**3.10.7 Office of the Inspector of Mines, Sargodha**

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Inspector of Mines	18	1	-	1
Junior Inspector of Mines	17	1	-	1
Survey & Drawing Officer	16	1	-	1
Assistant	16	1	-	1
Stenographer	15	2	-	2
Senior Clerk	14	1	-	1
Junior Clerk	11	3	-	3
Tracer	05	1	-	1
Driver	04	1	-	1
Naib Qasid	01	3	-	3
Chowkidar	01	1	-	1
Sweeper	01	1	-	1
Chainman	01	1	-	1
Total:		18	-	18

3.10.8 Office of the Inspector of Mines, Rawalpindi

NAME OF POST	BPS	NUMBER OF POSTS		
		PERMANENT	TEMPORARY	TOTAL
Inspector of Mines	18	1	-	1
Jr. Inspector of Mines	17	1	-	1
Survey & Drawing Officer	16	1	-	1
Assistant	16	1	-	1
Stenographer	15	2	-	2
Senior Clerk	14	1	-	1
Junior Clerk	11	2	-	2
Tracer	05	1	-	1
Driver	04	2	-	2
Naib Qasid	01	2	-	2
Chowkidar	01	1	-	1
Sweeper	01	1	-	1
Chainman	01	1	-	1
Total:		17	-	17

**3.10.9 Office of the Junior Inspector of Mines, Jhelum**

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Junior Inspector of Mines	17	1	-	1
Stenographer	15	1	-	1
Junior Clerk	11	1	-	1
Driver	04	1	-	1
Naib Qasid	01	1	-	1
Chowkidar	01	1	-	1
Sweeper	01	1	-	1
Total:		7	-	7

3.10.10 Office of the Junior Inspector of Mines, D. G. Khan

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Junior Inspector of Mines	17	1	-	1
Stenographer	15	1	-	1
Junior Clerk	11	1	-	1
Driver	04	1	-	1
Naib Qasid	01	1	-	1
Chowkidar	01	1	-	1
Sweeper	01	1	-	1
Total:		7	-	7

3.10.11 Office of the Junior Inspector of Mines, Mianwali

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Junior Inspector of Mines	17	1	-	1
Stenographer	15	1	-	1
Senior Draftsman	11	1	-	1
Junior Clerk	11	1	-	1
Driver	04	1	-	1
Naib Qasid	01	1	-	1
Chowkidar	01	1	-	1
Sweeper	01	1	-	1
Total:		8	-	8

**3.10.12 Office of the Junior Inspector of Mines, Khushab**

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Junior Inspector of Mines	17	1	-	1
Stenographer	15	1	-	1
Junior Clerk	11	1	-	1
Driver	04	1	-	1
NaibQasid	01	1	-	1
Chowkidar	01	1	-	1
Sweeper	01	1	-	1
Total:		7	-	7

3.10.13 Office of the Rescue Superintendent, Mines Rescue & Safety Station, Khushab

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Rescue Superintendent	18	1	-	1
Rescue Instructor	17	2	-	2
Assistant	16	1	-	1
Stenographer	15	2	-	2
Rescue Captain	14	-	1	1
Senior Clerk	14	1	-	1
Vice Rescue Captain	12	-	1	1
Store Keeper	11	1	-	1
Rescue Apparatus Technician	10	1	-	1
Crewman	10	10	-	10
Crewman (OSD for the period from 09.05.2020 to 14.12.2023) Mr. Aftab Alam Khan	10	1	-	1
Mechanic for Mechanical & Electrical Equipment	10	1	-	1
Projector Operator	07	1	-	1
Telephone Attendant	05	3	-	3
Imam Masjid	05	1	-	1
Pump Operator	05	-	1	1
Driver	04	2	1	3
Naib Qasid	01	3	-	3
Cleaner	01	1	-	1
Chowkidar	01	1	-	1



Chowkidar (OSD for the period from 06.05.2020 to 02.12.2032) Mr. Muhammad Ismail (late)	01	1	-	1
Sweeper	01	1	-	1
Mali	01	-	1	1
Total:		35	5	40

3.10.14 Office of the Rescue Instructor, Mines Rescue & Safety Sub-Station, Choa Saiden Shah, District Chakwal

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Rescue Instructor	17	1	-	1
Stenographer	15	1	-	1
Rescue Captain	14	-	1	1
Sr. Clerk	14	-	1	1
Junior Clerk	11	2	-	2
Crewman	10	5	-	5
Mechanic for Mechanical & Electrical Equipment	10	1	-	1
Pump Operator	05	1	-	1
Driver	04	1	1	2
Naib Qasid	01	1	-	1
Chowkidar	01	1	-	1
Mali	01	1	-	1
Sweeper	01	1	-	1
Total:		16	3	19

3.10.15 Office of the Rescue Instructor, Mines Rescue & Safety Sub Station, Makerwal, District Mianwali.

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Rescue Instructor	17	1	-	1
Stenographer	15	1	-	1
Rescue Captain	14	-	1	1
Store Keeper	11	1	-	1
Crewman	10	5	-	5
Mechanic for Mechanical and Electrical Equipment	10	1	-	1
Duty Clerk	05	1	-	1
Pump Operator	05	-	1	1



Driver	04	-	2	2
Naib Qasid	01	1	-	1
Chowkidar	01	1	-	1
Mali	01	1	-	1
Sweeper	01	1	-	1
Total:		14	4	18

3.10.16 Office of the Mines Rescue & Safety Sub Station, Munara, District Chakwal.

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Rescue Captain	14	-	1	1
Vice Rescue Captain	12	-	1	1
Store Keeper	11	-	1	1
Crewman	10	-	4	4
Driver	04	-	1	1
Rescue Apparatus Cleaner	01	-	1	1
Chowkidar	01	-	1	1
Sanitary Worker	01	-	1	1
Total:		-	11	11

3.10.17 Office of the Mines Rescue & Safety Sub Station, Ara/Basharat, District Chakwal.

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Rescue Captain	14	-	1	1
Store Keeper	11	-	1	1
Crewman	10	-	5	5
Driver	04	-	1	1
Rescue Apparatus Cleaner	01	-	1	1
Chowkidar	01	-	1	1
Total:		-	10	10

3.10.18 Office of the Mines Rescue Instructor, Rescue Squad, Pull, 111, District Sargodha.

NAME OF POST	BPS	NUMBER OF POSTS		
		REGULAR	SNE	TOTAL
Rescue Instructor	17	-	1	1
Rescue Captain	14	-	1	1
Junior Clerk	11	-	1	1
Crewman	10	-	3	3
Dispenser/First Aider	09	-	1	1
Store Keeper	07	-	1	1



Section-III

Staff Strength



Compressor/Generator Operator	05	-	1	1
Driver	04	-	2	2
Chowkidar	01	-	1	1
Sweeper	01	-	1	1
Total:		-	13	13

Grand Total:				477
---------------------	--	--	--	------------



SECTION-IV

DIFFERENT BOARDS

4.1 Board of Examiners

4.1.1 The Board of Examiners is constituted under Regulations 29(1) of the Coal Mines Regulations, 1926 made thereunder the Mines Act, 1923. The following certificates are granted after taking prescribed statutory examinations by the Board:

- I. First Class Mine Managers' Certificate of Competency;
- II. Second Class Mine Managers' Certificate of Competency;
- III. Mine Surveyors' Certificate of Competency (to survey the working of a mine);
- IV. Mine Sirdar's Certificate of Competency (to make the inspection hereinafter required by Regulation 70);
- V. Shot Firer's Certificate of Competency (to fire shots in a mine).

4.1.2 The existing Board of Examiners was constituted vide Mines & Minerals Department's Notification No. SO(E)2-32/2002(CIM)/2942 dated 6th March, 2020 as follows:

- | | | |
|----|---|-----------|
| 1. | Chief Inspector of Mines, Punjab, Lahore. | Chairman |
| 2. | Eng. Muhammad Tehzib Hassan Ansari,
Ex-Chief Inspector of Mines, Punjab, | Member |
| 3. | Eng. Dilshad Baloch
Ex-Director Mining Development Cell, Lahore. | Member |
| 4. | Eng. Bashir Ahmed Gill
Ex-General Manager PUNJMIN,
149N, Model Town Extension Lahore. | Member |
| 5. | Training officer, Inspectorate of Mines, Punjab. | Secretary |

4.1.3 There was no proceeding made in respect of Statutory Examinations by the Board during the year, 2024.

Y

**4.2. Mining Board**

4.2.1 The Mining Board is constituted under Section 10 of the Mines Act, 1923 and Mining Board Rules, 1951 to execute the following functions:

- I. Mining Board may exercise such of the powers of an Inspector under this Act as it thinks necessary or expedient to exercise for the purpose of deciding or reporting upon any matter referred to it.
- II. Mining Board shall have the powers of the civil court for the purpose of enforcing the attendance of witness and compelling the production of documents and material objects; and every person required by any such Mining Board to furnish information before it shall be deemed to be legally bound to do so with the meaning of Section 176 of the Pakistan Penal Code (XLV of 1960).
- III. Approval of draft rules, regulations and settlement of draft bye-laws made for mining sector and forwarding to the Government for final approval.
- IV. Proceeding of any case (already initiated in the court under the Mines Act, 1923) referred to the Board by the government.
- V. Conduct an inquiry of any case as referred by the Government.

4.2.2 During the year under report the Mining Board which was constituted vide Mines & Minerals Department's Notification No. SO(Estt.)2-8/2002 dated 27th May, 2019 remained as under:

1. Secretary, Mines & Minerals Department, Government of the Punjab, Lahore.	Chairman nominated by Provincial Government under Clause (a) of Sub-Section (1) of Section-10.
2. Chief Inspector of Mines, Punjab.	Member nominated by the Provincial Government under Clause (b) <i>ibid</i> .
3. Engr. Aziz Ahmed Malik, 45- West wood Colony, Thokar Niaz Beg Raiwind Road, Lahore.	Member nominated by the Provincial Government under Clause (b) <i>ibid</i> .
4. Eng. Muhammad Khalid Pervaiz, Ex-Chief Inspector of Mines, Punjab, 18-B, Gulshan Ravi, Lahore.	Member nominated by the Mine Owners Association under Clause(d) <i>ibid</i> .
5. Mr. Nadeem Hayat , Chief Executive, M/s. Wha Stone Industry, Hassanabdal.	Member nominated by the Mine Owners Association under Clause(d) <i>ibid</i> .
6. Ra Saeed Khattak ,Chairman Pakistan	Member nominated under clause (c)



- | | | |
|----|---|--|
| | Central Mine Labour Workers Federation
Khawaja Building, Khewra Road Choa
Saiden Shah. | ibid (Representative of Mine
Workers). |
| 7. | Mian Muhammad Ramzan Azad, Central
Deputy Secretary General, Pakistan Mine
Workers Federation, Pull-111 Sargodha. | Member nominated under Clause (e)
ibid (Representative of Mine
Workers). |
| 8. | Deputy Chief Inspector of Mines, Punjab. | Secretary to the Mining Board. |

4.2.3 Later on Mr. Muhammad Inam joined as a member of the Mining Board in place of Engr. Muhammad Khalid Parvez (deceased) vide this Department's letter No. SOE2-8/2002/CIM, dated 27.05.2019.

4.3 Placement Board

4.3.1 Placement Board is constituted with a view to:

- I. Provide employment to Mining Engineers, Diploma and Certificate holders in the field of mining.
- II. Discuss and finalize the terms and conditions with mine owners for appointment of mining personnel.
- III. Devise handsome salary structure for fresh Mining Engineers, Diploma and Certificate holders; and its time-to-time revision.
- IV. Ensure the payment of salary, allowances and other facilities to Mining Engineers, Diploma and Certificate holders.

4.3.2 During the year, 2024, no meeting of Placement Board was held. However, the following Mining Engineers and Supervisors were referred to various mining firms for employment by the Chief Inspector of Mines, Punjab:

4.3.1 Mining Engineers Referred to Mining Firms

Sr. No.	Name of Mining Engineer	Name of Firm	Date
1.	Engr. M. Abdullah	M/s Haroon Mines Pvt.Ltd	14.11.2024
2.	Engr. M. Shakeel	M/s D.g.Khan Cemant Kalar Kahar Chakwal.	09.12.2024



SECTION-V

INITIATIVES

5.1 Annual Task Calendar

Each field office has designed its Annual Task Calendar showing various activities to be carried out throughout the year matching with time. The same practice has also been extended to the branch level at Headquarters office which is much helpful for channelization of activities among different branches, projects and field offices.

5.2 Targets Setting and Close Monitoring of Office Work

Each functional unit of the Inspectorate is assigned full year targets on the basis of "Annual Task Calendars" made by field officers and branch heads of the Headquarters office. The performance of each branch is reviewed in monthly target evaluation meetings and completion level of each task is evaluated with percentage marks. This brings consistency in self-responsibility amongst the employees of the department and ensure quick disposal of official assignments.

5.3 Organized Touring

The functions of the Inspectors of Mines are regulatory and require mine inspections and inquiries into accidents. To have a check on field staff, the routine inspections and touring of all officers is organized by assigning them the areas to be inspected in a year on monthly basis and also the days of inspection in each week are fixed. This brings close monitoring of the field staff, organized inspection of mines and completion of targets fixed for each officer as well as disposal of Labour Complaints. Tour Rosters are as Annexure-7 & 8.

5.4 Mining & Ecology

Mining has generally been considered as an eco-enemy but this department feels that it can be made eco-friendly by providing organized regular plantation programs at departmental projects and also at mines. This campaign was found successful. Likewise the waste disposal and control on affluent from mines, noise and emission of smokes due to spontaneous heating was also being controlled.

5.5 Attitude of the Officers and Staff

The inspecting staff was not only told to shift their attitude from coercive measures to adopt a facilitating role but also required to demonstrate. During their inspections they should shift their strategy from fault finding to fact findings and also to suggest remedies for corrective operability. The Counseling of Mine workers during the course of inspections has been made as the basis of inspection.



SECTION-VI

ANNEXURES

Annexure-1

MONTH-WISE PROGRESS/BRIEF OF MINES RESCUE & SAFETY STATION, KHUSHAB FOR THE YEAR, 2024

Months	Regular Rescue Training Courses	Participants	Rescue Refresher Courses	Participants	Condensed Courses	Participants	Emergencies Attended	Persons Involved	Dead Bodies Recovered	Persons Rescued Alive	Meetings Attended	Diary	Despatch
January	1	7	-	-	-	-	-	-	-	-	6	46	79
February	1	8	-	-	-	-	-	-	-	-	7	48	62
March	-	-	-	-	-	-	1	2	-	2	6	40	103
April	1	10	-	-	-	-	-	-	-	-	5	26	72
May	1	10	1	9	-	-	-	-	-	-	4	48	94
June	1	4	-	-	-	-	-	-	-	-	5	31	38
July	1	7	-	-	-	-	1	4	4	-	4	27	99
August	1	9	-	-	-	-	1	3	2	1	6	52	106
September	1	6	-	-	-	-	-	-	-	-	6	39	78
October	1	9	-	-	-	-	-	-	-	-	3	36	45
November	1	5	-	-	-	-	-	-	-	-	2	30	18
December	1	6	-	-	-	-	-	-	-	-	3	24	42
Total:-	11	81	1	9	-	-	3	9	6	3	57	447	836

**Annexure-2****MONTH-WISE PROGRESS/BRIEF OF MINES RESCUE & SAFETY SUB-STATION, MAKERWAL FOR THE YEAR, 2024**

Months	Regular Rescue Courses arranged for MR&SS, KHB	Participants	Rescue Refresher Courses	Participants	Emergencies Attended	Persons Involved	Dead Bodies Recovered	Persons Rescued Alive	Meetings Attended	Diary	Despatch
January	-	-	1	5	-	-	-	-	7	6	47
February	-	-	1	5	-	-	-	-	-	8	16
March	-	-	1	5	-	-	-	-	1	8	56
April	-	-	1	5	-	-	-	-	-	4	49
May	-	-	1	5	-	-	-	-	-	7	21
June	-	-	1	5	-	-	-	-	2	12	28
July	1	11	-	-	-	-	-	-	4	7	35
August	-	-	1	5	1	-	-	-	2	50	7
September	-	-	1	5	-	-	-	-	-	10	18
October	1	10			-	-	-	-			
November	-	-	1	5	-	-	-	-	-	5	26
December	-	-	1	5	-	-	-	-	3	5	24
Total:-	2	21	10	50	1	-	-	-	19	122	327

**Annexure-3****MONTH-WISE PROGRESS/BRIEF OF MINES RESCUE & SAFETY SUB-STATION, CHOA SAIDEN SHAH FOR THE YEAR, 2024**

Months	Regular Rescue Courses arranged for MR&SS, KHB	Participants	Rescue Refresher Courses	Participants	Emergencies Attended	Persons Involved	Dead Bodies Recovered	Persons Rescued/Alive	Meetings Attended	Diary	Despatch
January	1	-	-	-	1	2	-	2	8	18	153
February	-	-	-	-	1	5	2	3	10	18	57
March	-	-	-	-	-	-	-	-	9	18	64
April	-	-	1	5	-	-	-	-	7	14	55
May	1	13	1	5	-	-	-	-	8	20	81
June	-	-	1	2	1	1	-	1	10	13	79
July	1	10	1	5	1	4	4	-	7	24	99
August	-	-	1	5				-	10	14	167
September	-	-	1	5	1	3	1	2	8	16	50
October	1	11			-	-	-	-	13	20	93
November	-	-	1	5		-	-	-	12	14	58
December	-	-	1	5	-	-	-	-	8	19	37
Total:-	4	34	8	37	5	15	7	8	110	208	993

**YEAR-WISE ADMISSION AND RESULT ANALYSIS OF PUNJAB SCHOOL OF MINES, KATAS****i. Previous Classes:**

Class	Session	Technology	Students Admitted	Students Appeared	Passed Students	Pass Percentage		Name of Student got 1 st Position	Students Admitted in UET, Lahore after Qualifying
						W.R.T. Admission	W.R.T. Appearance		
M-1	1987-90	Mining	20	19	18	90%	95%	Mr. Khalid Mehmood	-
M-2	1987-90	Mining	20	16	16	80%	100%	Mr. Almas Malik	-
M-3	1988-91	Mining	20	07	7	35%	100%	Mr. Waseem Noor	-
M-4	1989-92	Mining	20	07	7	35%	100%	Mr. Najam Iqbal	-
M-5	1990-93	Mining	20	02	2	10%	100%	Mr. Ghulam Bashir	-
M-6	1991-94	Mining	20	17	17	85%	100%	Mr. Muhammad Farooq	-
M-7 (A+B)	1992-95	Mining	40	39	31	78%	79%	Mr. M. Tasleem Malghani	-
M-8	1993-96	Mechanical	20	18	15	75%	83%	Mr. Zubair Mohsin	-
M-9	1994-97	Electrical	20	11	6	30%	55%	Mr. Muhammad Faheem	-
		Mining	20	18	11	55%	61%	Mr. Hubdar Hussain	-
M-10	1995-98	Mechanical	20	13	8	40%	62%	Mr. Muhammad Tariq	-
		Mining	20	16	14	70%	88%	Mr. Tahir Ali	Mr. Tahir Ali
M-11	1996-99	Electrical	20	09	4	20%	44%	Mr. Javed Iqbal	-
		Mining	20	13	13	65%	100%	Mr. Ejaz Saeed Aslam	-
M-12	1997-00	Mechanical	20	12	12	60%	100%	Mr. Shahid Rahim	-
		Mining	20	13	9	45%	69%	Mr. Zubair Hussain	Mr. Zubair Hussain



Section-VI



Annexures

Class	Session	Technology	Students Admitted	Students Appeared	Passed Students	Pass Percentage		Name of Student got 1 st Position	Students Admitted in UET, Lahore after Qualifying
						W.R.T. Admission	W.R.T. Appearance		
M-13	1998-01	Electrical	20	15	11	55%	73%	Mr. Anwar-ul-Haq	-
		Mining	20	17	12	60%	71%	Mr. Muhammad Sajid	Mr. Muhammad Sajid
M-14	1999-02	Mechanical	20	12	10	50%	83%	Mr. Farhan Tawar Ali Janjua	-
		Mining	20	08	5	25%	63%	Mr. Waheed-ud-Din Kilyar	Mr. Waheed-ud-Din Kilyar
M-15	2000-03	Electrical	20	11	6	30%	55%	Mr. Hafeez-ur-Rehman	-
		Mining	20	08	8	40%	100%	Mr. Ahmed Kazmi	-
M-16	2001-04	Mechanical	20	17	12	60%	71%	Syed Hambal-ur-Rehman	-
		Mining	20	11	8	40%	73%	Mr. Aman Ullah	-
M-17	2002-05	Electrical	23	15	14	61%	93%	Mr. Basit Ali	-
		Mining	24	18	16	67%	89%	Mr. Tehseen Iqbal	Mr. Tehseen Iqbal
		Land & Mine Surveying	22	10	10	45%	100%	Mr. Muhammad Amir	-
M-18	2003-06	Mechanical	16	12	12	75%	100%	Mr. Anzar Ahmed	-
		Mining	26	23	15	58%	65%	Mr. M. Ubaid Khan	Mr. Waqar Tariq, Mr. Allah Ditta Sindhu
		Land & Mine Surveying	28	20	13	46%	65%	Mr. Muhammad Zubair	-
M-19	2004-07	Electrical	21	11	11	52%	100%	Hafiz Hussain Ahmed	-
		Mining	19	10	10	53%	100%	Hafiz Muhammad Saeed	Hafiz Muhammad Saeed
		Land & Mine Surveying	21	13	13	62%	100%	Mr. Suleman Haider	-



Section-VI



Annexures

Class	Session	Technology	Students Admitted	Students Appeared	Passed Students	Pass Percentage		Name of Student got 1 st Position	Students Admitted in UET, Lahore after Qualifying
						W.R.T. Admission	W.R.T. Appearance		
M-20	2005-08	Mechanical	28	14	14	50%	100%	Mr. Muhammad Touseef Khalid	Mr. Usman Umar Tubassum, Mr. Umar Pervaiz
		Mining	31	24	24	77%	100%	Mr. Usman Umar Tubassum	-
		Land & Mine Surveying	31	23	23	74%	100%	Mr. Rizwan Ali	-
M-21	2006-09	Electrical	31	21	21	68%	100%	Mr. Muhammad Nadeem	-
		Mining	33	30	28	85%	93%	Mr. Muhammad Abbas	-
		Land & Mine Surveying	33	24	19	58%	79%	Mr. Hassan Ali Salfi	-
M-22	2007-10	Land & Mine Surveying	33	25	26	79%	104%	Mr. Bilal Haider (Gold Madelist)	-
		Mining	30	20	20	67%	100%	Mr. Muhammad Awais	-
		Mechanical	31	24	24	77%	100%	Mr. Tahir Imran	-
M-23	2008-11	Electrical	32	19	19	59%	100%	Mr. Arshad Ali	-
		Mining	26	26	26	100%	100%	Mr. Muhammad Zubair	Mr. Muhammad Zubair
		Land & Mine Surveying	33	29	27	82%	93%	Mr. Ali Raza (Gold bMadelist)	-
M-24	2009-12	Mechanical	35	22	20	57%	91%	Mr. Saif-ur-Rehman	-
		Mining	33	28	28	85%	100%	Mr. Qaisar Raza	-
		Land & Mine Surveying	30	27	27	90%	100%	Mr. Saqib Raza	-
M-25	2010-13	Electrical	29	30	19	66%	63%	Mr. Waqar Younis	-



Section-VI



Annexures

Class	Session	Technology	Students Admitted	Students Appeared	Passed Students	Pass Percentage		Name of Student got 1 st Position	Students Admitted in UET, Lahore after Qualifying
						W.R.T. Admission	W.R.T. Appearance		
		Mining	30	22	19	63%	86%	Mr. Asad Ameer	-
		Land & Mine Surveying	30	18	18	60%	100%	Mr. Aiman Aqeel	-
M-26	2011-14	Mechanical	31	24	19	61%	79%	Mr. Sulman Hussain	-
		Mining	29	27	21	72%	78%	Mr. Mehtab Nadeem	-
		Land & Mine Surveying	30	30	12	40%	40%	Mr. Hasnan Ali	-
M-27	2012-15	Electrical	32	15	14	44%	93%	Mr. Ahsan Sohail	Mr.Mehran Khan,
		Mining	26	21	20	77%	95%	Mr. Mahran Khan	Mr,Isfhan Khan,
		Land & Mine Surveying	32	24	20	63%	83%	Mr. Ali Sher	Mr.Rehan Khan
M-28	2013-16	Mechanical	37	17	12	32%	71%	Mr.Awais Ahmed Fazal	
		Mining	30	21	17	57%	81%	Mr.Najaf Ali Malik	
		Land & Mine Surveying	43	31	25	58%	81%	Mr.Sher Agha, Mr.Tahir Ali	
M-29	2014-17	Electrical	21	14	7	47%	71%	Mr.Abdul Rehman,	Mr.Fazeel Ahmed Malik, Mr.Usama Khan
		Mining	14	12	2	78%	91%	Mr.Fazeel Ahmed Malik	
		Land & Mine Surveying	30	22	8	56%	77%	Mr,Wajahat Rasheed	
M-30	2015-18	Electrical	26	15	44	53	96	Mr. Talah Abbas	
		Mechanical	40	14	14	35	100	Mr. Mohsin Sohail	
		Mining	17	12	12	70	100	Mr. Bada Muneer	
		Land & Mine Surveying	57	26	23	40	88	Mr. Muhammad Irfan	
M-31	2016-19	Mining	20	13	12	12	60	Mr. Muhammad, Jehangir	Mr. Muhammad,



Class	Session	Technology	Students Admitted	Students Appeared	Passed Students	Pass Percentage		Name of Student got 1 st Position	Students Admitted in UET, Lahore after Qualifying
						W.R.T. Admission	W.R.T. Appearance		
									Jehangir
		Mechanical	37	14	07	07	19	Mr. Hasim Iqbal	
		Electrical	17	04	04	0	0		
		Land & Mine Surveying	24	16	16	15	63	Mr. Tabish Habib	
M-32	2017-20	Mining	17	8	6	35	75	Mr. Muhammad Azeem	
		Mechanical	37	12	10	27	83	Mr. Zain Ul Abideen	
		Electrical	20	13	13	65	100	Mr. MuZammil Qasim	
		Land & Mine Surveying	24	18	18	75	100	Mr. Muhammad Junaid	
M-33	2018-21	Mining	18	16	16	89	100	Mr. Babar Nazir	
		Mechanical	30	14	14	47	100		
		Electrical	09	02	02	22	100		
		Land & Mine Surveying	15	06	06	40	100		
M-34	2019-22	Mining	23						
		Mechanical	14						
		Electrical	21						
		Land & Mine Surveying	10						
M-35	2020-23	Mining	25						
		Mechanical	20						



Section-VI



Annexures

Class	Session	Technology	Students Admitted	Students Appeared	Passed Students	Pass Percentage		Name of Student got 1 st Position	Students Admitted in UET, Lahore after Qualifying
						W.R.T. Admission	W.R.T. Appearance		
		Electrical	13						
		Land & Mine Surveying	19						
M-36	2021-24	Mining	25						
		Mechanical	13						
		Electrical	20						
		Land & Mine Surveying	19						
Total:			2025	1347	1190	59%	88%		



ii. Running Classes::

Class	Session	Technology	Students Admitted	Status
M-37	2022-26	Mining	16	These classes were on-going sessions i.e. Third Year (M-37), Second Year (M-38) and First Year (M-39) during the YEAR, 2024.
		Mechanical	16	
		Electrical	28	
		Land & Mine Surveying	22	
M-38	2023-27	Mining		
		Mechanical		
		Electrical		
		Land & Mine Surveying		
M-39	2024-28	Mining		
		Mechanical		
		Electrical		
		Land & Mine Surveying		
Total:			236	

**MONTH-WISE PROGRESS OF MINES SAMPLE TESTING LABORATORY, KHUSHAB FOR THE YEAR, 2024**

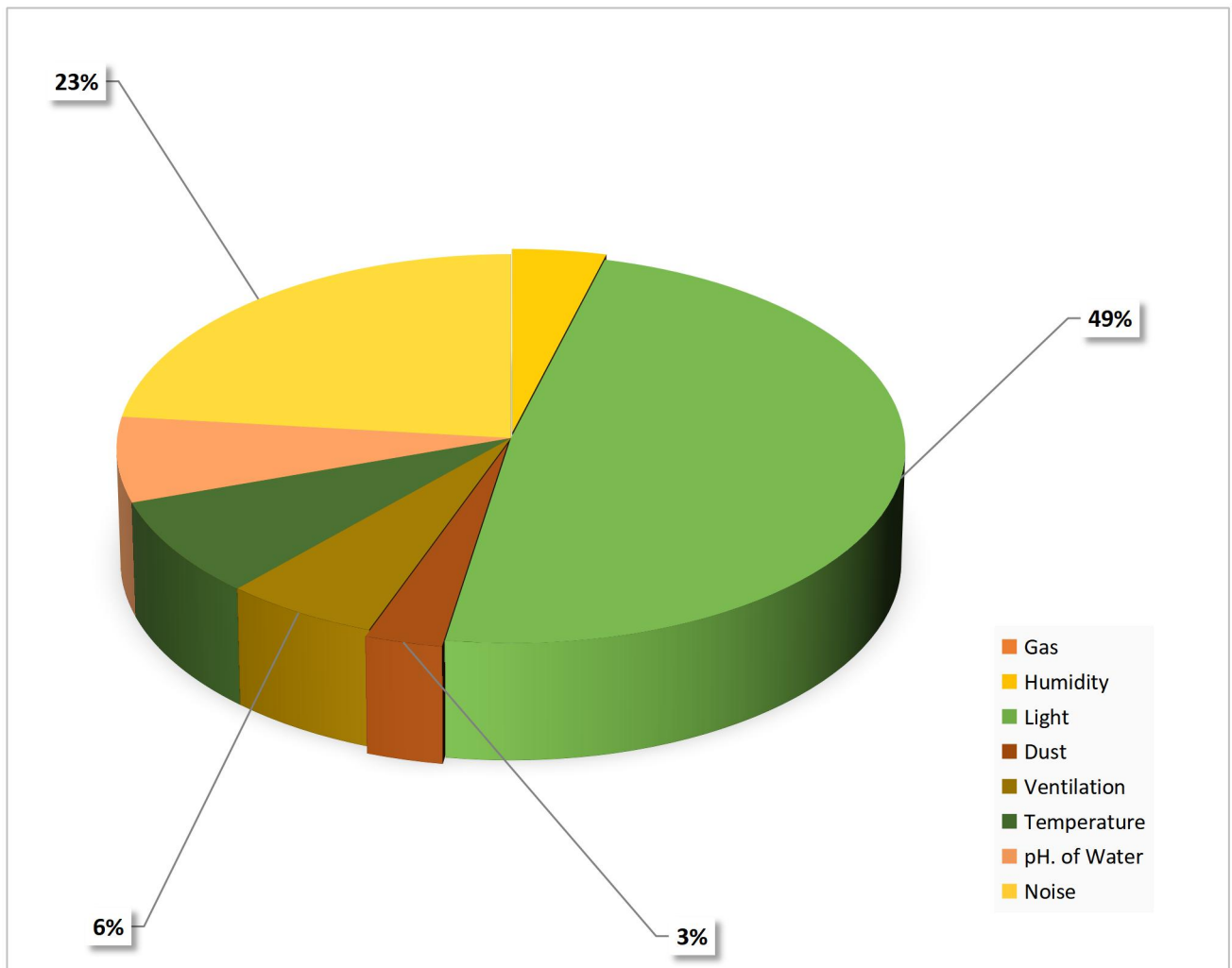
Months	SAMPLES COLLECTED									Samples beyond permissible limits	Inspections conducted	Meetings Attended	Diary	Despatch
	Gas	Humidity	Light	Dust	Ventilation	Temperature	pH. of Water	Noise	Total					
January	42	42	15	36	12	42	42	33	264	44	14	6	12	135
February	42	42	5	38	11	42	39	23	242	66	14	3	19	82
March	42	42	3	33	9	42	39	25	235	72	14	11	19	100
April	42	42	6	42	11	42	24	33	242	66	14	3	10	64
May	42	27	16	42	10	42	33	33	245	63	14	2	21	62
June	42	42	16	39	12	28	42	28	249	59	14	2	18	64
July	42	42	13	42	8	18	42	31	0	70	14	8	12	58
August	42	42	4	38	9	32	42	33	242	66	14	6	25	41
September	39	39	11	41	11	33	42	18	234	61	14	6	15	35
October	41	36	16	42	12	39	36	23	245	62	14	3	11	27
November	41	36	16	42	12	39	36	23	245	65	14	3	11	27
December	41	36	16	42	12	39	36	23	245	65	14	3	11	27
Total:-	498	468	137	477	129	438	453	326	2688	759	168	56	184	722



Annexure-6

MONTH-WISE SUB-STANDARD SAMPLES COLLECTED DURING THE YEAR, 2024

Months	SAMPLES BEYOND PERMISSIBLE LIMITS								
	Gas	Humidity	Light	Dust	Ventilation	Temperature	PH. of Water	Noise	Total
January	-	0	27	6	2	0	0	9	44
February	-	0	37	4	3	0	3	19	66
March	-	0	39	8	5	0	3	17	72
April	-	0	36	0	3	0	18	9	66
May	-	15	26	0	4	0	9	9	63
June	-	0	26	3	2	14	0	14	59
July	-	0	29	0	6	24	0	11	70
August	-	0	38	4	5	10	0	9	66
September	-	0	28	1	2	6	0	24	61
October	1.00	6	26	0	4	3	6	16	62
November	1	6	26	0	4	3	6	19	65
December	1	6	26	0	4	3	6	19	65
Total:	3	33	364	26	44	63	51	175	759
Percentage:	0%	4%	49%	3%	6%	8%	7%	23%	100%





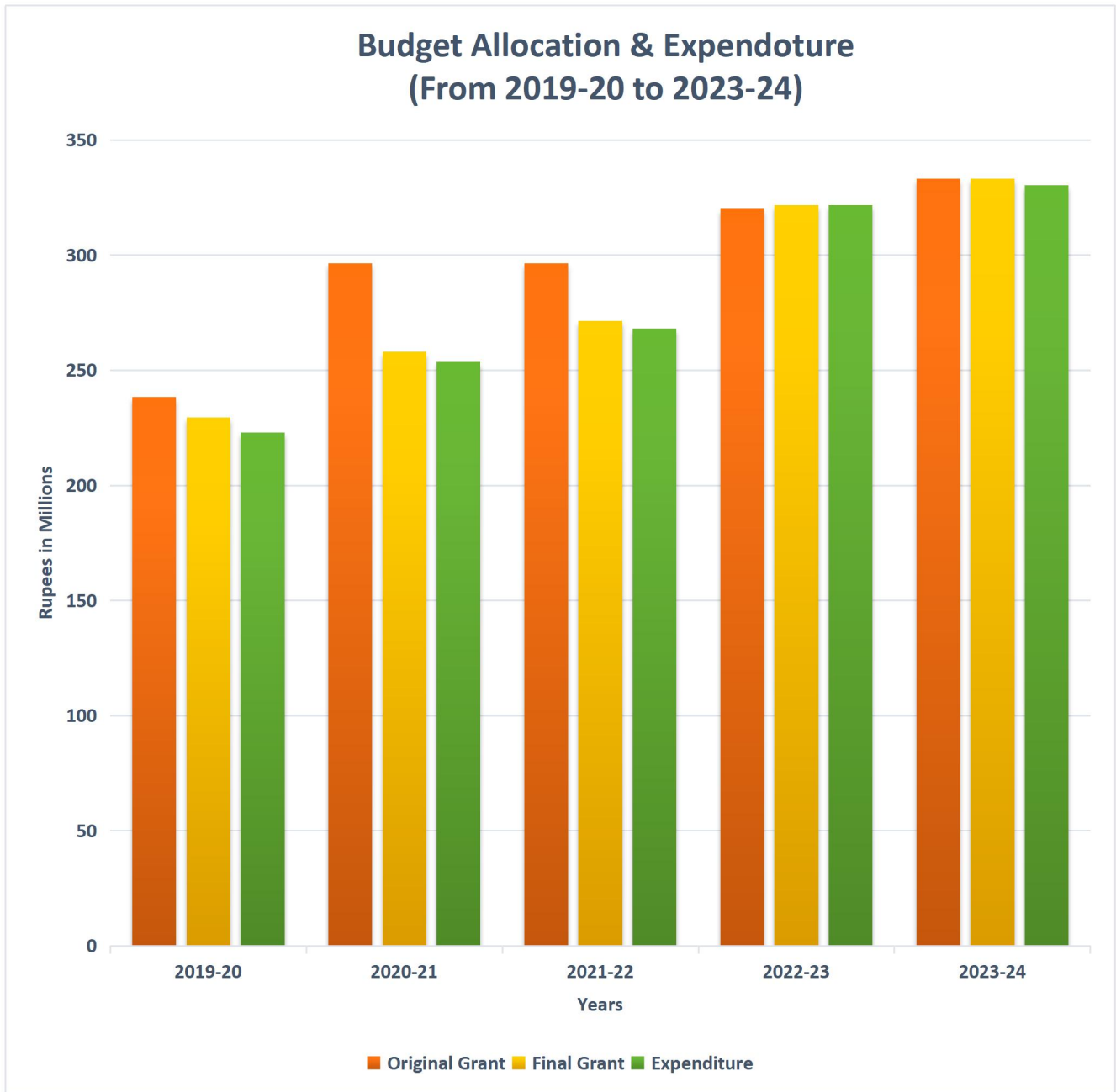
**NON-DEVELOPMENT BUDGET -- ALLOCATION & EXPENDITURE
FOR THE YEAR, 1990-91 TO 2024-2025**

(Figures in Rupees)

Year	Original Grant	Revised Allocation	Expenditure
1990-91	69,26,640	78,80,390	79,23,373
1991-92	75,09,960	75,45,150	77,34,070
1992-93	1,05,38,070	1,09,56,680	1,09,29,488
1993-94	1,66,45,930	1,66,57,020	1,50,27,073
1994-95	2,11,21,540	2,18,88,930	2,19,01,821
1995-96	2,45,97,380	2,51,25,220	2,49,06,065
1996-97	2,61,65,000	3,28,23,000	2,63,03,896
1997-98	2,87,23,000	2,99,68,000	2,91,21,444
1998-99	3,16,37,000	2,91,19,000	2,77,05,629
1999-2000	3,15,76,000	2,93,83,000	2,90,67,976
2000-01	3,49,08,000	3,07,13,000	2,99,31,540
2001-02	3,46,78,000	3,25,10,000	3,19,53,838
2002-03	4,20,69,000	3,75,28,000	3,62,76,334
2003-04	4,17,82,000	3,91,53,000	3,84,20,044
2004-05	4,53,29,000	4,37,09,000	4,18,43,399
2005-06	4,82,90,000	4,99,76,000	4,94,63,298
2006-07	5,60,09,000	5,89,26,000	5,64,61,542
2007-08	6,34,32,000	6,56,58,000	6,22,57,534
2008-09	5,95,86,000	7,31,69,000	6,96,01,482
2009-10	8,04,14,000	8,14,91,000	7,78,46,563
2010-11	8,72,73,000	9,51,11,000	9,42,53,804



Year	Original Grant	Revised Allocation	Expenditure
2011-12	10,80,31,000	11,22,33,000	11,21,12,000
2012-13	13,39,53,000	13,23,85,000	12,99,40,000
2013-14	15,38,84,000	13,86,65,000	13,47,70,000
2014-15	15,38,84,000	15,68,14,000	15,19,28,000
2015-16	17,20,20,000	15,84,59,000	15,52,67,000
2016-17	17,86,13,000	17,31,75,000	17,04,98,000
2017-18	17,93,54,000	19,10,89,000	18,66,79,895
2018-19	20,50,14,000	20,95,73,000	20,70,95,173
2019-20	23,83,30,000	22,95,57,000	22,28,96,000
2020-21	29,64,66,000	25,80,65,000	25,28,96,000
2021-22	29,64,66,000	27,13,87,000	26,80,75,000
2022-23	32,01,31,000	32,17,21,000	32,17,21,000
2023-24	33,31,73,000	33,31,73,000	--



Rupees in Millions

Year	Original Grant	Revised Allocation	Expenditure
2019-20	238.320	229.557	222.896
2020-21	296.466	258.065	253.633
2021-22	296.466	271.387	268.075
2022-23	320.131	321.721	321.721
2023-24	333.173	333.173	330.949

**TOUR ROSTER OF FIELD OFFICERS OF SARGODHA REGION FOR THE YEAR, 2023-24**

Sr.	Name of Sector	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE
1.	Makerwal A-Section Chashmia, Narmia and Katcha Bagikhel.	SRO	JIM(M)	IMS	-	JIM(M)	IMS	SRO	JIM(M)	IMS	SRO	JIM(M)	IMS
2.	Kalabagh, Chichali, Wanda Kukran, Daudkhel, Paikhel, Thatti Chapri Zeri Makerwal-B&C Section.	IMS	SRO	JIM(M)	IMS	SRO	JIM(M)	IMS	-	JIM(M)	IMS	SRO	JIM(M)
3.	Makerwal D&E-Section, Borikhel Musakhel, Mari & Trutta.	JIM(M)	IMS	SRO	JIM(M)	IMS	SRO	JIM(M)	IMS	-	JIM(M)	IMS	SRO
4.	Goliwali, Warcha, Sakasar & Jabbi Nooraywala, Kathwai, Dilmri, Noshera, & Ochali.	IMS	SRO	JIM(K)	IMS	SRO	JIM(K)	IMS	SRO	JIM(K)	IMS	-	JIM(K)
5.	Nali, Katha & Arara.	SRO	JIM(K)	IMS	SRO	JIM(K)	IMS	-	JIM(M)	IMS	SRO	JIM(K)	IMS
6.	Pail Padhrar, Samywala, Chambil.	JIM(K)	IMS	SRO	JIM(K)	IMS	SRO	JIM(K)	IMS	SRO	JIM(K)	IMS	-
7.	Chak No.123, 126 Sb Sargodha.	IMS	SRO	JIM(S)	IMS	SRO	JIM(S)	IMS	-	JIM(S)	IMS	-	JIM(S)
8.	Chak No.107, 113, 116, 117, 119 & Shahenabad.	JIM(S)	IMS	-	JIM(S)	IMS	SRO	JIM(S)	IMS	SRO	JIM(S)	IMS	SRO
9.	Chak No.88, 100-NB& 110-SB, Sargodha.	-	JIM(S)	IMS	SRO	JIM(S)	-	SRO	JIM(S)	IMS	SRO	JIM(S)	IMS
10.	Chak No.47, 48, 59 60,120, Chiniot & Chenab Nagar.	IMS	-	JIM(S)	IMS	-	JIM(S)	IMS	SRO	JIM(S)	IMS	SRO	JIM(S)

TOUR ROSTER OF FIELD OFFICERS OF LAHORE REGION FOR THE YEAR, 2023-24

Sr.	Name of Sector	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE
1.	Tounsa Zain, Zinda Pir.	JIM(D)	IM(H)	-	JIM(D)	-	-	JIM(D)	-	-	JIM(D)	-	-
2.	Sakhi Sarwar & D.GKhan	JIM(D)	-	IM(H)	JIM(D)	-	-	JIM(D)	-	-	JIM(D)	-	-
3.	Khanewal, Multan, Muzaffar Garh.	-	JIM(D)	-	IM(H)	JIM(D)	-	-	JIM(D)	-	-	JIM(D)	-
4.	Bahawal pur, Rahimyar Khan & Rajanpur	-	-	JIM(D)	-	IM(H)	JIM(D)	-	-	JIM(D)	-	-	JIM(D)
5.	Shahkot, sanghahill.	IM(H)	JIM(H)	-	JIM(D)	IM(H)	-	JIM(H)	IM(H)	-	JIM(H)	IM(H)	-
6.	Sialkot	JIM(S)	JIM(H)	JIM(S)	-	JIM(S)	JIM(H)	JIM(S)	JIM(H)	JIM(S)	-	JIM(S)	IM(H)
7.	Gujranwala	IM(H)	JIM(S)	JIM(H)	JIM(S)	-	JIM(S)	IM(H)	JIM(S)	JIM(H)	JIM(S)	-	JIM(S)

Note: Every Cement Factory will be inspected by SRO/RO once in a year.

**TOUR ROSTER OF FIELD OFFICERS OF RAWALPINDI REGION FOR THE YEAR, 2023-24**

Sr.	Name of Sector	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE
1.	Dina,Pindoori, Tarki, Khanpur	RO	IMR	JIM (J)	SRO	IMR	JIM (J)	RO	IMR	JIM (J)	SRO	IMR	JIM (J)
2.	Tilla and Jalalpur Sharif	IMR	JIM (J)	SRO	IMR	JIM (J)	RO	IMR	JIM (J)	SRO	IMR	JIM (J)	SRO
3.	Khewra Nila and Lilla	JIM (J)	SRO	IMR	JIM (J)	RO	IMR	JIM (J)	SRO	IMR	JIM (J)	SRO	IMR
4.	Ara, Gharibwal, Sidhandi	SRO	IMR	JIM (J)	RO	IMR	JIM (J)	SRO	IMR	JIM (J)	RO	IMR	JIM (J)
5.	Saloi Basharat, Sikki.	IMR	JIM (J)	SRO	IMR	JIM (J)	SRO	IMR	JIM (J)	RO	IMR	JIM (J)	SRO
6.	Dandot And Pidh.	JIM (J)	SRO	IMR	JIM (J)	SRO	IMR	JIM (J)	RO	IMR	JIM (J)	SRO	IMR
7.	Nali, Wahali And Ratucha.	SRO	IMR	JIM (J)	RO	IMR	JIM (J)	SRO	IMR	JIM (J)	SRO	IMR	JIM (J)
8.	Choa Saiden Shah & Katas.	IMR	JIM (J)	RO	IMR	JIM (J)	SRO	IMR	JIM (J)	SRO	IMR	JIM (J)	RO
9.	Dalwal And Dulimial	JIM (J)	RO	IMR	JIM (J)	RO	IMR	JIM (J)	SRO	IMR	JIM (J)	RO	IMR
10.	Badshahpur Malkana & Chittidand.	SRO	IMR	JIM (J)	SRO	IMR	JIM (J)	RO	IMR	JIM (J)	SRO	IMR	JIM (J)
11.	Kalar Kahar Karuli & Khaipur Malot.	IMR	JIM (J)	SRO	IMR	JIM (J)	SRO	IMR	JIM (J)	SRO	IMR	JIM (J)	RO
12.	Nilawahn, Lafi, Munara & Sarkalan.	JIM (J)	SRO	IMR	JIM (J)	SRO	IMR	JIM (J)	SRO	IMR	JIM (J)	RO	IMR
13.	Margalla (Valley & Ziarat)	-	-	-	-	-	-	-	-	-	-	-	-
14.	Margalla (Banbola & Chokker)	-	-	-	-	-	-	-	-	-	-	-	-
15.	Usman Khattar, Farooqia Hassanabdal and Wah	-	-	-	-	-	-	-	-	-	-	-	-
16.	Kahoota And Swan Camp Baroha Etc	-	-	-	-	-	-	-	-	-	-	-	-
17.	Lawrancepur Hazsroo, Mirza Etc (A)	-	-	-	-	-	-	-	-	-	-	-	-
18.	Chol And Bagh Nilab.	-	-	-	-	-	-	-	-	-	-	-	-
19.	Fateh Jang Road, Jabbi etc.	-	-	-	-	-	-	-	-	-	-	-	-
20.	Nawa and Pindi Gheb.	-	-	-	-	-	-	-	-	-	-	-	-
21.	Pathar Garh , Hassan Abdal & Jang Bahter	-	-	-	-	-	-	-	-	-	-	-	-

Note: Every Cement Factory will be inspected by SRO/RO once in a year.



DISTRICT/MINERAL WISE LABOUR FORCE IN MINING INDUSTRY OF PUNJAB FOR THE YEAR, 2021

NAME OF MINERALS	DISTRICTS OF PUNJAB								TOTAL
	ATTOCK	RAWALPINDI	JHELUM	CHAKWAL	SARGODHA	KHUSHAB	MIANWALI	D.G. KHAN / RAJAN PUR	
Arg. Clay	24	0	0	227	0	132	30	9	422
Bauxite	0	0	0	3	0	28	0	0	31
Bentonite	227	0	0	0	0	7	0	0	234
Brine	0	0	16	0	0	0	0	0	16
China Clay	0	0	0	0	0	0	0	0	0
Coal	0	0	995	5428	0	3201	1520	0	11144
Fire Clay	0	0	0	2	0	29	30	0	61
Gypsum	0	0	99	412	0	26	154	0	691
Iron Ore	0	0	0	4	0	0	144	0	148
Laterite	24	0	0	0	0	11	0	0	35
Lime Stone	152	173	52	2732	0	231	252	60	3652
Ocher	0	0	0	0	0	5	63	0	68
Sand Stone	0	0	0	0	2390	0	0	0	2390
Rock Salt	0	0	735	771	0	1240	628	0	3374
Silica Sand	0	0	0	0	0	32	299	0	331
Graval	12	0	13	0	0	0	0	0	25
Total	439	173	1910	9579	2390	4942	3120	69	22622

✓ The actual figure of Labour is about 40000.



**ANALYSIS OF FIGURES RELATED TO OUTPUT OF COAL IN TONS
FOR THE YEAR, 2021**

Sr. No.	Description	Region		Total
		Rawalpindi	Sargodha	
i	Open Stock	134144	169755	303899
ii	Raising	2941018	273883	567901
iii	Total (i + ii)	428162	443638	871800
iv	Dispatches	307109	281439	588548
v	Colliery Consumption	0.5	0	0.5
vi	Total (iv + v)	307109	281439	588549
vii	Closing Stock (iii – vi)	121052	162199	283251

**Annexure-11****DISTRICT/MINERAL WISE PRODUCTION OF MINING INDUSTRY IN PUNJAB FOR THE YEAR, 2021**

NAME OF MINERALS	DISTRICTS OF PUNJAB								TOTAL
	ATTOCK	RAWALPINDI	JHELUM	CHAKWAL	SARGODHA	KHUSHAB	MIANWALI	D.G. KHAN / RAJAN PUR	
Arg. Clay	752665	0	2396930	0	0	0	423016	481235	4053846
Bauxite	0	0	0	0	0	140789	0	0	140789
Bentonite	0	6553	6054	0	0	5604	0	0	18211
Brine	0	53417	0	0	0	0	0	0	53417
China Clay	0	0	0	0	0	0	9275	0	9275
Coal	0	20317	273700	0	0	222653	51230	0	567900
Fire Clay	0	103	0	1890	0	25002	410002	0	436997
Gypsum	0	0	0	869873	0	42999	393945	98756	1405573
Iron Ore	19057	0	0	0	0	0	264325	0	283382
Laterite	61730	0	0	10897	0	14020		0	86647
Lime Stone		1719012		20019352	0	409982	5045107	0	27193453
Ocher	0	0	0	0	0	26201	39320	0	65521
Ord. Stone / Sand Stone	0	0	0	0	735690	0	0	0	735690
Rock Salt	0	0	56950	759397	0	1732021	191245	0	2739613
Silica Sand	0	0	0	0	0	14899	220145	0	235044
Graval	42100	0	5142	0	0	0	0	48352	95594
Total:	875552	1799402	2738776	21661409	735690	2634170	7047610	628343	38120951

✓ These figures are taken from Annual Returns Received Lease Holders.

**Annexure-12****DISTRICT-WISE NUMBER OF MINING LEASES/PROSPECTING LICENSES IN PUNJAB
FOR THE YEAR ENDING, 2021**

Sr. No.	Name of District	Number of Leases		Total
		Mining Leases	Prospecting Licenses	
1.	Attock	101	4	105
2.	Rawalpindi	97	6	103
3.	Jhelum	59	9	68
4.	Chakwal	391	64	455
5.	Sargodha	57	0	57
6.	Khushab	222	73	295
7.	Mianwali	330	89	419
8.	Dera Ghazi Khan	43	24	67
Total:		1300	269	1569

Note:.

- ✓ This does not include the Minor Minerals granted through auction.

**MINERALS/DISTRICT-WISE MINING LEASES/PROSPECTING LICENCES IN PUNJAB FOR THE YEAR ENDING, 2022**

Minerals	ATK		RWP		JLM		CKL		SRG		JHG		KHB		MLI		DGK		TOTAL		Grand Total	
	ML	PL	ML	PL	ML	PL	ML	PL	ML	PL	ML	PL	ML	PL	ML	PL	ML	PL	ML	PL		
Arg. Clay	2				1		8							2		3		2		18	0	18
Bauxite						1	1	4						9	6		2			10	13	23
Bentonite				4	6	1	2	2						7	4					15	11	26
Brine					1									1	-	1	2			3	2	5
China Clay																				0	0	0
Coal					25	2	167	4						59	4	29	2			280	12	292
Celestite																				0	0	0
Dolomite							1									2	1			3	1	4
F. Clay	2	2					1	4						22	10	70	29			95	45	140
F. Earth																		-	1	0	1	1
Gypsum					17	4	29	27						21	22	14	11	27	15	108	79	187
Iron Ore			1	-			1	1	1							34	3		4	37	8	45
Laterite	5	2					3	12						4	9	-	7			12	30	42
Lime Stone	54	-	91	2	3	-	55							52	-	87		12		354	2	356
Ocher							-	3						5	2	13	6			18	11	29
Ord. Sand	18	-					50													68	0	68
Stand Stone									56											56	0	56
Grevat	15		5		1															21	0	21
Rock Salt					5	1	14	3						13	-	4	1			36	5	41
S. Sand	5				1		1	1						23	15	79	24	2	4	111	44	155
Total:-	101	4	97	6	59	9	391	64	57	0	0	0	222	73	330	89	43	24	1300	269	1569	
G. Total:-	105		103		68		455		57		0		295		419		67		1569			

* ML: Mining Leases * PL: Prospecting Licenses

**MONTH-WISE PROGRESS/BRIEF OF INSPECTOR OF MINES, SARGODHA FOR THE YEAR, 2024**

Months	Inspections	Prosecutions	Cases Decided	Cases pending Including backlog	Courts Attended	Fine Recovered (Rs.)	Fatal Accidents	Persons Died	Persons Injured	Serious Accidents	Persons Injured	Meetings Attended	Diary	Despatch
January	14	46	20	212	5	30000	2	2	0	0	0	1	111	378
February	14	40	11	241	4	24000	2	2	0	0	0	1	83	297
March	14	57	5	293	6	18000	1	1	0	0	0	1	124	395
April	14	41	3	331	4	8000	1	1	0	0	0	1	101	492
May	14	4	6	329	2	12000	1	1	0	0	0		73	290
June	14	115	0	444	4	0	1	1	0	0	0	0	60	449
July	14	42	8	478	7	20000	1	1	0	0	0	0	119	481
August	14	32	0	510	3	0	5	6	2	0	0	0	75	434
September	14	77	1	586	2	2000	1	1	0	0	0	2	101	444
October	18	64	0	650	5	600	1	1	0	0	0	2	106	518
November	14	12	4	658	4	4000	0	0	0	0	0	3	52	357
December	10	44	0	702	3	60000	0	0	0	0	0	1	36	238
Total:	168	574	58	702	49	178600	16	17	2	0	0	12	1041	4773

**Annexure-15****MONTH-WISE PROGRESS OF INSPECTOR OF MINES, RAWALPINDI FOR THE YEAR, 2024**

Months	Inspections	Prosecutions	Cases Decided	Cases pending Including backlog	Courts Attended	Fine Recovered (Rs.)	Fatal Accidents	Persons Died	Persons Injured	Serious Accidents	Persons Injured	Meetings Attended	Diary	Despatch
January	14	14	32	80	3	42000	0	0	0	0	0	5	64	110
February	14	24	8	96	2	8000	0	0	0	0	0	3	104	101
March	15	16	0	112	2	0	2	2	0	0	0	4	70	295
April	15	3	0	115	0	0	0	0	0	0	0	2	64	118
May	15	0	21	94	1	21000	1	1	0	0	0	5	100	123
June	14	34	39	89	3	47500	0	0	0	0	0	4	22	69
July	14	20	43	66	1	15000	0	0	0	0	0	5	72	147
August	7	20	0	86	2	0	1	1	0	0	0	5	83	224
September	6	14	0	100	2	0	0	0	1	0	0	3	66	137
October	12	17	0	117	2	0	0	0	0	0	0	6	106	185
November	7	8	0	125	0	0	1	1	0	0	0	7	54	169
December	5	7	10	122	2	20000	0	0	0	0	0	5	96	150
Total:	138	177	153	119	20	153500	5	5	1	0	0	54	901	1828

**MONTH-WISE PROGRESS OF INSPECTOR OF MINES, CHAKWAL FOR THE YEAR, 2024**

Months	Inspections	Prosecutions	Cases Decided	Cases pending Including backlog	Courts Attended	Fine Recovered (Rs.)	Fatal Accidents	Persons Died	Persons Injured	Serious Accidents	Persons Injured	Meetings Attended	Diary	Despatch
January	14	79	0	79	1	0	1	1	0	1	2	2	15	81
February	0	0	0	79	0	0	1	3	2	0	0	0	0	0
March	0	0	0	79	0	0	2	2	0	0	0	0	0	0
April	0	0	0	79	0	0	0	0	0	0	0	0	0	0
May	0	0	0	79	0	0	2	2	0	0	0	0	0	0
June	0	0	0	79	0	0	2	2	0	0	0	0	0	0
July	11	16	43	52	1	15000	1	4	0	0	0	5	72	147
August	14	9	0	61	1	0	2	3	0	0	0	5	83	224
September	6	14	0	75	1	0	2	2	2	0	0	3	66	137
October	12	17	0	92	1	0	0	0	0	0	0	6	106	185
November	7	8	0	100	1	0	1	1	0	0	0	7	54	169
December	9	13	9	104	1	18000	0	0	0	0	0	5	96	150
Total:	73	156	52	108	7	33000	14	20	4	1	2	33	492	1093

**Annexure-17****MONTH-WISE PROGRESS/BRIEF OF JR. INSPECTOR OF MINES, KHUSHAB FOR THE YEAR, 2024**

Months	Inspections	Prosecutions	Cases Decided	Cases pending Including backlog	Courts Attended	Fine Recovered (Rs.)	Fatal Accidents	Persons Died	Persons Injured	Serious Accidents	Persons Injured	Meetings Attended	Diary	Despatch
January	14	44	44	13	2	61000	0	0	0	0	0	5	35	152
February	14	10	10	13	1	26000	1	1	0	0	0	3	60	81
March	14	152	152	13	1	153000	1	1	0	0	0	7	70	282
April	14	0	2	11	1	4000	0	0	0	0	0	2	47	285
May	14	57	62	6	2	69000	0	0	0	0	0	3	45	197
June	14	46	0	52	1	0	0	0	0	0	0	2	39	155
July	14	32	29	55	1	47000	0	0	0	0	0	6	49	239
August	14	10	0	65	2	0	2	2	0	0	0	8	39	116
September	14	34	0	99	2	0	1	1	0	0	0	5	43	248
October	14	50	7	142	2	17000	0	0	0	0	0	4	63	265
November	11	0	0	142	0	0	0	0	0	0	0	4	70	80
December	12	20	26	136	19	38000	0	0	0	0	0	2	41	118
Total:	163	455	332	136	34	415000	5	5	0	0	0	51	601	2218

**MONTH-WISE PROGRESS/BRIEF OF JR. INSPECTOR OF MINES, MIANWALI FOR THE YEAR, 2024**

Months	Inspections	Prosecutions	Cases Decided	Cases pending Including backlog	Courts Attended	Fine Recovered (Rs.)	Fatal Accidents	Persons Died	Persons Injured	Serious Accidents	Persons Injured	Meetings Attended	Diary	Despatch
January	12	0	0	65	0	0	1	1	0	0	0	4	0	0
February	15	4	0	69	1	4500	1	1	0	0	0	3	60	81
March	14	0	5	64	1	7000	0	0	0	0	0	6	0	0
April	13	0	2	62	2	4000	1	1	0	0	0	6	0	0
May	14	34	0	96	0	0	0	0	0	0	0	0	0	0
June	11	21	0	117	0	0	0	0	0	0	0	4	28	93
July	14	21	0	138	2	0	0	0	0	0	0	5	0	0
August	9	7	0	145	1	0	1	1	1	0	0	5	31	53
September	20	62	22	185	0	18000	0	0	0	0	0	7	0	0
October	16	14	0	199	1	0	1	1	0	0	0	6	0	0
November	14	9	0	208	1	0	0	0	0	0	0	4	0	0
December	14	4	3	209	1	14000	0	0	0	0	0	5	0	0
Total:	166	176	32	209	10	47500	5	5	1	0	0	55	119	227

**Annexure-19****MONTH-WISE PROGRESS/BRIEF OF JR. INSPECTOR OF MINES, D. G. KHAN FOR THE YEAR, 2024**

Months	Inspections	Prosecutions	Cases Decided	Cases pending Including backlog	Courts Attended	Fine Recovered (Rs.)	Fatal Accidents	Persons Died	Persons Injured	Serious Accidents	Persons Injured	Meetings Attended	Diary	Despatch
January	14	0	0	25	0	0	0	0	0	0	0	2	15	61
February	14	2	0	27	1	0	0	0	0	0	0	1	5	46
March	14	0	0	27	1	0	0	0	0	0	0	5	22	28
April	14	0	1	26	1	3000	0	0	0	0	0	4	14	92
May	14	2	0	28	1	0	0	0	0	0	0	3	23	116
June	14	0	0	28	0	0	0	0	0	0	0	0	0	0
July	14	20	0	48	1	0	0	0	0	0	0	3	16	85
August	14	0	0	48	0	0	0	0	0	0	0	3	9	52
September	14	0	0	48	1	0	0	0	0	0	0	3	9	52
October	14	3	12	39	1	12000	0	0	0	0	0	2	22	56
November	14	0	0	39	0	0	0	0	0	0	0	2	18	29
December	14	0	0	39	0	0	0	0	0	0	0	3	19	86
Total:	168	27	13	39	7	15000	0	0	0	0	0	31	172	703

**MONTH-WISE PROGRESS/BRIEF OF JR. INSPECTOR OF MINES, JHELUM FOR THE YEAR, 2024**

Months	Inspections	Prosecutions	Cases Decided	Cases pending Including backlog	Courts Attended	Fine Recovered (Rs.)	Fatal Accidents	Persons Died	Persons Injured	Serious Accidents	Persons Injured	Meetings Attended	Diary	Despatch
January	14	11	0	29	1	0	0	0	0	0	0	1	32	62
February	14	6	0	35	1	0	0	0	0	0	0	5	16	61
March	14	55	18	72	4	18000	2	2	0	0	0	3	19	164
April	9	0	0	72	0	0	0	0	0	0	0	1	13	165
May	14	10	10	72	2	10000	1	1	0	0	0	15	44	161
June	14	34	39	67	4	47500	0	0	0	0	0	0	22	69
July	5	3	0	70	2	49000	1	4	0	0	0	2	22	69
August	14	29	0	99	0	0	2	3	0	0	0	19	20	66
September	10	50	0	149	3	0	1	0	1	0	0	6	20	66
October	6	50	36	163	2	0	0	0	0	0	0	3	18	99
November	14	41	36	168	1	41000	0	0	0	0	0	2	17	61
December	14	7	46	129	3	92000	0	0	0	0	0	0	12	72
Total:	142	296	185	129	23	257500	7	10	1	0	0	57	255	1115

**MONTH-WISE PROGRESS/BRIEF OF JR. INSPECTOR OF MINES, SARGODHA FOR THE YEAR, 2024**

Months	Inspections	Prosecutions	Cases Decided	Cases pending Including backlog	Courts Attended	Fine Recovered (Rs.)	Fatal Accidents	Persons Died	Persons Injured	Serious Accidents	Persons Injured	Meetings Attended
January	15	24	75	56	4	54000	1	1	0	0	0	1
February	14	48	37	67	3	20000	0	0	0	0	0	1
March	14	58	28	97	4	24000	0	0	0	0	0	1
April	14	116	0	213	4	0	0	0	0	0	0	0
May	14	35	6	242	3	8000	1	1	0	0	0	0
June	14	138	13	367	3	12000	1	1	0	0	0	0
July	14	78	14	431	3	16000	0	0	0	0	0	0
August	14	45	0	476	2	0	2	3	0	0	0	1
September	14	84	144	416	0	44000	0	0	0	0	0	0
October	14	93	17	492	5	6000	0	0	0	0	0	2
November	14	29	77	444	4	26000	0	0	0	0	0	0
December	14	27	0	471	2	0	0	0	0	0	0	0
Total:	169	775	411	471	37	210000	5	6	0	0	0	6

**MONTH-WISE PROGRESS/BRIEF OF JR. INSPECTOR OF MINES, CHAKWAL FOR THE YEAR, 2024**

Months	Inspections	Prosecutions	Cases Decided	Cases pending Including backlog	Courts Attended	Fine Recovered (Rs.)	Fatal Accidents	Persons Died	Persons Injured	Serious Accidents	Persons Injured	Meetings Attended	Diary	Despatch
January	14	79	0	79	1	0	1	1	0	1	2	2	15	81
February	14	109	0	188	1	114000	1	3	2	0	0	4	15	61
March	14	145	145	188	2	141000	2	2	0	0	0	6	57	168
April	14	47	0	235	1	0	0	0	0	0	0	3	22	107
May	16	273	273	235	7	63000	2	2	0	0	0	3	47	191
June	14	217	273	179	3	173000	2	2	0	0	0	2	41	103
July	17	34	0	213	0	49000	1	1	0	0	0	0	0	0
August	0	74	0	287	0	0	0	0	0	0	0	0	0	0
September	6	68	0	355	3	18000	1	1	2	0	0	2	67	361
October	0	0	0	355	0	0	0	0	0	0	0	0	0	0
November	0	0	0	355	0	0	0	0	0	0	0	0	0	0
December	14	8	0	363	1	0	0	0	0	0	0	1	71	117
Total:	123	1054	691	363	19	558000	10	12	4	1	2	23	335	1189