



Rajasthan State Mines & Minerals Limited

(A Government of Rajasthan Enterprise)

Corporate Office : 4, Meera Marg, Udaipur - 313 001

Registered Office : C-89-90, Lal Kothi Scheme, Jaipur, CIN-U14109RJ1949SGC000505

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Ref: - RSMML/CO/Pers/2(72)/2024-25- 711

Date: .11.2024

28

NOTICE

Vide our earlier Notice no. RSMML/CO/Pers/2(72)/2024-25-367 dated 05.08.2024, applications were invited from the interested workmen working in category IX/IX-S possessing requisite qualification and experience as per RSMML (Recruitment & Promotion of workmen from category IX/IX-S to E-1 category of executive posts) rules, 2012.

The final list of eligible applicants with discipline wise syllabus for written exam is hereby published for information to all. The date of written exam will be informed separately.

This bears approval of competent authority.

Encl: - As above

(Kirti Rathore) RAS
Executive Director (Admin)

Copy to:

1. PS to MD, for kind information.
2. F.A, CO.
3. All SBU Heads
4. Notice Board, SBU (RP/Gyp/LS/Lig./CO)
5. DGM(I.T.).CO for website.
6. Delhi/ Kolkata Office.
7. Concern file/Master file.

Executive Director (Admin)

Document certified by Kirti Rathore
<ceozpudr@gmail.com>

Digitally Signed by Kirti Rathore
Designation: Executive Director
Date :28-11-2024 01:39:44

Final List of Eligible Applicants against Notice No. RSM/CO/Pers./2(72)/2024-25-367 dated 05.08.2024

Sr. No.	Name of employee	Discipline applied for	LOP	Cat.	Present Designation	Cat. (Workmen)	Date of Promotion in Category IX/IX-S	SBU&PC	Qualification
1	Sh. Rajiv Kumar Dubey S/o Sh. Lalan Dubey	Mining	Overman	UR	Overman (IX)	W-9	01.10.2016	Lignite	B.A., Mining Sirdar certificate, Gas Testing Certificate, Overman certificate
2	Sh. Anil Kumar Vyas S/o Lt. Sh. Durga Shankar Vyas	P&A	Assistant	UR	Sr. Assistant Gr-I	W-9(S)	03.09.2013	Corporate Office	B.Com
3	Sh. Deelip Kumar Yadav S/o Sh. Nanag Ram	OD	Process	SC	Master Tech. (Process)	W-9	21.08.2016	Rockphosphate	Dip. (Chemical Engg.)
4	Sh. Chetan Ram S/o Sh. Mishra Ram Jat	Survey (Resi.)	Survey	OBC	Surveyor (S)	W-9(S)	24.03.2008	Limestone	Diploma in Mining Engg. & Mine Surveying, Mines Foreman Cert.(Metal)

Syllabus For Mining Engineering

(From workmen category to E-I cadre)

288
27

1. Opencast working :

Factors affecting choice of opencast mining methods, advantages and disadvantages of opencast mining, Basic parameters : stripping ratio, cut-off grade ultimate pit limit, Bench height, width and slope, stability of pit wall slopes, angle of repose, layout of open pits, layout of waste dumps. Type of Software's used for planning, Productivity and factors affecting it.

Machinery: Power Shovels - Dipper shovel and back hoes, working parameters of power shovels, excavation of blasted rocks with power shovels, performance of power shovels, loading capacity of a shovel, Bull dozer, road grader

Rear Dumpers -- Technical features, speed capacity, cycle time, and construction of pit roads, maintenance and repair of pit roads.

2. Geology & Exploration :

Igneous rocks, sedimentary rocks and metamorphic rocks, out crop, dip & strike, folds, faults, joints, unconformities, Definition of ore, tenor & grade, Methods of sampling, Classification of ore reserves and its estimation, Geological plan, working plan, surface plan, topographical plan, scale of plan. Theory and application of various methods in mineral exploration, Seismic, Gravity and Magnetic methods, Boring, Principles of Boring, selection of sites for boreholes, details of equipment, Core recovery, Borehole logging, Maintenance of records, Interpretation of borehole data, Classification of ore reserves: proved, probable & possible.

3. Drilling:

Blast hole drilling: Types of drilling equipment, Selection of Drills; Drilling concepts -- Operation and performance, Drilling patterns, Inclined drilling, Computation of Productivity of Drill Machines; Control of dust.

4. Explosives & Blasting: Classification and comparative properties of explosives used in open cast mines, Mechanism of rock blasting, Safety fuses, ordinary and delay detonators, detonating fuse, cord relays, transport and storage of explosives, blast hole diameter, burden, spacing, sub-grade drilling, powder factor, base charge, column charge, deck charging, computation of total charge per hole, stemming column, delay intervals, firing sequence, back break, fragmentation, control of fly rock, air blast, ground vibrations, pre-split blasting, pop and plaster shooting, misfires, organization of blasting, use of bulk explosives mixing and charging units and its advantages.

5. Mine Drainage & Environment : Sources of water, rainfall and run off data HFL, water table, aquifers, lay out of sumps, centrifugal, turbine and submersible pump - installation, principle of working, constructional details, pumping of mine water.

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Environment and health impact of mining, Environmental aspects of sustainable development concept, Dust in mines-Formation, dangers, prevention and suppression, dust sampling apparatus, mining disease, overview of Ministry of Environment, Forest and Climate change, Vocational Training as an aid of safety and productivity, techniques of training, discussion methods, motivation and awareness, Vocational Training rules 1966, Classification of accidents in mines, causes of accidents and its remedial measures.

6. **Mining Legislations:** Mines Act 1952. Metalliferous Mines Regulations 1961\ Coal Mines Regulations 1957, Mines Rules 1955, DGMS circulars as applicable to opencast mines, Standard of illuminations.

7. **General Knowledge**

8. **Industrial Dispute Act, 1947 :**

- (a) Machineries for settlement of Industrial Dispute
- (b) Strike, Lock-out, Layoff, retrenchment

9. **Payment of wages Act :**

- (a) Definitions
- (b) Authorized & unauthorized deductions under the Act

10. **RSMML Rules :**

- (a) EPF/PF Rules, Gratuity Rules, Social Security Scheme, HBL, Conveyance Loan, Voluntary Retirement Scheme, Medical Attendance Rules.
- (b) Mis-conduct under standing orders/service
- (c) Procedure of domestic Industry

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27/8/2020
(P R Pragyapat)
TM (Pm)

Genl G. D. S.
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(R. G. D. S.)
DGM (F&A)

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(De. S. S. D. S.)
DGM (F&A)

ORE DRESSING

287
115

Rajasthan State Mines & Minerals Limited **3000 TPD Industrial Beneficiation Plant, Jkt**

Syllabus for examination- Ore Dressing Discipline

(From workmen cadre to E-1 cadre)

1. Geology & Chemistry of Non-metallic minerals- Basic
2. Sampling *and* Q.C
3. Comminution- Crushing, Grinding
4. Sizing- Laboratory Sizing, Industrial Screening
5. Classification
6. Flotation
7. Dewatering- Thickening, Filtration etc.
8. Reagents- Function & Characteristics
9. Water- Type, use & Characteristics
10. Process related calculations- recoveries, consumption etc.
11. RSMML Rules: (*General knowledge*)
 - (a) EPF/PF Rules, Gratuity Rules, Social Security Scheme, HBL, Conveyance Loan, Voluntary Retirement Scheme, Medical Attendance Rules.
 - (b) Standing Orders/Service Rules
 - (c) Mis-conduct under standing orders/ Service Rules
 - (d) Procedure of Domestic Enquiry.

Pr
27/8/2020
(P R Prayapat)
GM (Proj)

Pr
27/8/20
(R. Lodhi)
DGM (F&A)

Pr
27/8/2020
(Dr. S. S. Dahiya)
DGM (F&A)

SYLLABUS FOR PERSONNEL & ADMINISTRATION-

285

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(From workmen Category to E-1 cadre)

1. Industrial Dispute Act, 1947:

- i. Machineries of settlement of Industrial Dispute.
- ii. Notice of Change.
- iii. Strike, Lock-out, Lay-off, Retrenchment.
- iv. Unfair Labour Practices.
- v. Condition of Service etc. to remain unchanged under certain circumstances during pendency of proceedings.
- vi. Works Committee.

2. Mines Act, 1952:

- i. Appointment of L.W.O. Health & Sanitation, First Aid, Welfare amenities, Safety measures under the provisions of Mines Act.
- ii. Administrative machinery for implementation of the Mines Act.
- iii. Statutory Registers required to be maintained under Mines Act, Leave with wages.

3. Workmen's Compensation Act, 1923:

- i. Employees liability for compensation, amount of compensation, method of calculating compensation, distribution of compensation, procedure to notify fatal accidents, and compensation payable including eligible death cases.

4. Industrial Employment (Standing Order) Act, 1946:

- i. Objects and scope of standing orders in the industrial units. Applicability of Standing Orders in RSMM.

5. Shops & Establishment Act:

- i. Registration under the Act.
- ii. Maintenance of Statutory Registers and Returns.

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6. Payment of Wages Act:

- i. Definitions
- ii. Authorised and unauthorised deduction, Maintenance of Registers and Records under the Act.

284
13

7. Contract Labour (Regulation & Abolition) Act, 1970

8. Trade Union Act, 1926

9. General Knowledge:

- i. Origin and growth of RSMML with special reference to its various expansion programmes and activities.
- ii. Type of leave applicable to employees (executive and non-executives) of RSMML and the rules. Complete procedure of leave encashment as per rules of RSMML.
- iii. Disciplinary proceedings right from the issue of charge sheet to award of punishment as per Rules Provisions of suspension, and its regulation relating to payment of subsistence allowance and Disciplinary Proceedings.

10. Administration:

- i. Broad scope of functions and responsibilities in the General Administration Department, including office Administration, employee welfare etc.
- ii. Items required for establishing office, purchase, distribution of items, keeping record, stock verification.
- iii. Entitlement of uniforms, shoes, safety items, and the system of its distribution.
- iv. Classification of quarters in the township, and the method of allotment of quarters.
- v. Authority and procedure involved in registration of vehicles.
- vi. System of maintaining Log-books of vehicles, and its purpose.
- vii. Different communication systems and its utility.
- viii. Maintenance of records for assets & their physical verification.
- ix. Security-cum-vigilance in RSMM.

14
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11. Medical Rules & T.A. Rules: Preparation of T.A. Bills, different modes of travel and entitlement, exceptions, admissibility and reimbursement of taxi charges, mode of calculation of daily allowance, entitlement on transfers, rules regarding conveyance of personal effects, admissibility of T.A., D.A. on superannuation/ retirement, working knowledge of Medical Rules & their applicability.

12. Office Procedures:

- i. Classification of documents
- ii. Receipt, registration and distribution of classified documents.
- iii. Filing system.
- iv. Duties of a P.A.
- v. Movement of files, priority marking, linking of files, change of files, part files.
- vi. Filing of official, demi-official and unofficial communications.
- vii. Different forms of communications.

13. RSMML Rules: (General Knowledge)

- (a) EPF/PF Rules, Gratuity Rules, Social security Scheme, HBL, Conveyance Loan, Voluntary Retirement Scheme, Medical Attendance Rules.
- (b) Standing Orders/Service Rules
- (c) Mis-conduct under standing orders/ Service Rules
- (d) Procedure of Domestic Enquiry.

By
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P R Pragyapati
GM (P&A)

Genl to dha
27/8/20
(R. B. dha)
DGM (F&A)

Genl
27/8/2020
(Dr. S. S. Danyal)
DGM (P&A)

Syllabus For Survey Discipline

287
68

(From workmen Category to E-1 cadre)

- A) Mine Surveying
- B) Duties of Mine Surveyor
- C) Different Nomenclatures used in mine survey
- D) Types of Instrument used in Mine Surveying
- E) Types of Software used in Mine Surveying
- F) Types of Records to be maintained by Mine Surveyor
- G) Types of Plans & Sections to be maintained by Mine Surveyor
- H) Storage of Plans & Sections
- I) Symbol's used in Plans & Sections
- J) Mode of Measurement of the quantity
- K) Mine Survey
- L) Parameters for determining the relative positions of points on or beneath the surface of the earth by direct or indirect measurements
- M) Safety of the Mine
- N) Responsibility as per Statutory Requirements
- O) Type of records to be maintained as per Statutory Requirement
- P) Different types of survey in different types of Fields.
- Q) Triangulation & Trilateration
- R) Meaning of nomenclatures used in survey: WCB, QCB, BS, FS, IS, HI, CE,
- S) Difference between WCB & QCB, Difference between Prismatic Compass & Geological Compass
- T) Level Book, Field Book, Surveyor Register
- U) Scale/RF of all the different Plans & Sections to be maintained as per Statutory Requirement
- V) Microns of Tracing Film on which different Plans & Sections to be maintained as per Statutory Requirement
- W) What are the rules to determine the quantity & Rules being widely used to determine the quantity
- X) Different symbols for different features which are being used in the preparation of Plans & Sections as per statutory requirement

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Y) RSMML Rules: (General Knowledge)

- (a) EPF/PF Rules, Gratuity Rules, Social security Scheme, HBL, Conveyance Loan, Voluntary Retirement Scheme, Medical Attendance Rules.
- (b) Standing Orders/Service Rules
- (c) Mis-conduct under standing orders/ Service Rules
- (d) Procedure of Domestic Enquiry.

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27/8/2020
(PR Prajapati)
GM (Prj)

Gurinder Singh
27/8/20
(R. Gurinder)
DGM (FRA)

Devi
27/8/2020
(Dr. SS Dahiya)
DGM (FRA)