

Department of Mines

Directorate of Mines and Geology

Notification

DMG/07/89/2024-25/SMRI/Stat/Mines/PART-II/1500

Date : 04-Aug-2025

STAR Rating for Minor Minerals Rules

In exercise of the powers conferred by clause (g) of sub-section (1A) of Section 15 of the Mines and Minerals (Development and Regulation) Act, 1957 (Central Act No. 67 of 1957), the Government of Goa hereby makes the following rules, namely:-

1. *Short title, extent and commencement.*— (1) These rules may be called the Goa STAR Rating Rules for Minor Minerals Rules, 2025.

(2) They shall extend to whole of the State of Goa and shall apply to all minor minerals.

(3) They shall come into force on the date of their publication in the Official Gazette.

2. *Objective.*— The Star Rating System for minor minerals is designed to encourage sustainable mining practices by evaluating and recognizing mining leaseholders based on their performance in environmental, social, and governance (ESG) aspects. This system aims to foster transparency, accountability, and continuous improvement in mining operations.

- i. Promote Sustainable Mining Practices: Encourage mining activities that minimize environmental impact and enhance socio-economic benefits.
- ii. Enhance Transparency and Accountability: Cultivate a culture of openness and responsibility in mining operations.
- iii. Encourage Compliance: Motivate mining leaseholders to adhere to legal and regulatory requirements.
- iv. Recognize Excellence: Reward mining operations that excel in ESG performance.

3. *Star Rating System.*— Mining operations shall be evaluated based on a Five-Star Rating System, with performance assessed under the following categories:

3.1 Systematic and Sustainable Mining (30%) (refer Module-I)

- i. Operational Efficiency (5%)
- ii. Reject Dump Management (3%)
- iii. Safe and Stable benches (2%)
- iv. Dust Suppression Measure (20%)

3.2 Protection of Environment and Conservation of Water (25%) (refer Module-II)

- i. Compliance Reporting of Environmental Parameters (SPCB) (5%)
- ii. Compliance Reporting of Environmental Parameters (MoEF) (6%)
- iii. Compensatory Afforestation Fulfillment (4%)
- iv. Plantation survival rate (6%)
- v. Recycled water usage (4%)

3.3 Health Safety and Welfare of Workers (15%) (refer Module-III)

- i. Personnel Protection Equipment (PPE) usage (2%)
- ii. Periodical Medical Examination (PME) coverage (2%)
- iii. Drinking water & sanitation (2%)
- iv. Women Facilities i.e. Crèche, Toilet & Restrooms. (2%)
- v. Occupational disease screening (2%)
- vi. Welfare measures undertaken (2%)
- vii. Provision to tackle mine hazards/rescue operation (2%)
- viii. Training Program for Workers (1%)

3.4 Statutory Compliance (30%) (refer Module-IV)

- i. Return submissions (10%)
- ii. Violation rectification (5%)
- iii. Appointment of competent persons (8%)
- iv. Authenticated lease (2%)
- v. Lease boundaries (5%)

4. *Implementation and Assessment Procedure*

4.1 Assessment and Rating

- i. A Self-Assessment Form for Star rating on Minor Mineral leases is at **Annexure**.
- ii. The Lessees shall submit a duly signed self-assessment form to the Directorate of Mines and Geology, Panaji after the end of each financial year (i.e. 01st April to 31st March) by 31st May of the subsequent financial year. Once submitted, the Lessee shall not be allowed to modify/edit the said form.
- iii. Star ratings will be assessed annually based on the mining leaseholders' performance against the defined criteria.
- iv. Independent third-party auditors, as nominated by the Government, may validate the assessment to ensure objectivity and transparency, if required.
- v. Leases which have themselves obtained 4 or 5 star rating must have the approved documents valid for at least 6 months or more during the financial year, failing which the quarries shall be rated in category less than 4 star in that financial year.
- vi. Leaseholders must submit comprehensive documentation and evidence of compliance with the criteria.
- vii. A list of all 5 Star rated mines shall be prepared and uploaded on the website of the Directorate of Mines & Geology before 30th November every year.

4.2 Awarding Star Ratings

- i. Mining leaseholders will be awarded star ratings based on their assessment scores:
 - =>80% to100%: 5 Star

- $\Rightarrow 60\%$ to $< 80\%$: 4 Star
 - $\Rightarrow 50\%$ to $< 60\%$: 3 Star
 - $\Rightarrow 40\%$ to $< 50\%$: 2 Star
 - $\Rightarrow 25\%$ to $< 40\%$: 1 Star
 - $\leq 25\%$: No rating
- ii. Star ratings will be publicly disclosed to promote transparency and encourage continuous improvement.
- iii. The rating system will undergo periodic reviews to maintain relevance and effectiveness.
- 4.3 Continuous Improvement

- i. Leaseholders are encouraged to improve their performance continuously to achieve higher star ratings.
- ii. Training and capacity-building programs will be provided to help leaseholders implement sustainable mining practices.
- iii. States will support leaseholders in meeting the criteria.

5. *Conclusion.*— The Star Rating Criteria for Minor Minerals provides a robust framework for promoting sustainable mining practices, enhancing transparency, and recognizing exemplary performance. By adopting these guidelines, states can ensure that mining operations contribute positively to the environment and society while maintaining economic viability.

By order and in the name of the Governor of Goa.

Narayan Gad, Director and ex officio Jt. Secretary Mines & Geology.

Annexure

SELF-ASSESSMENT TEMPLATE FOR STAR RATING OF MINOR MINERALS LEASES

REPORTING YEAR (RY):

Instructions for Lessees:-

- (a) *The Self-Assessment Form is required to be filled by the owner/agent/manager as per the instructions given in the template.*
- (b) *The owner/nominee owner must sign all the pages of the documents.*
- (c) *Copies of all supporting documents submitted by the lessee must be self-attested.*
- (d) *If the lessee chooses “Not Applicable” option, he would have to submit justification for the same.*

PART- A: GENERAL INFORMATION

LEASE DETAILS

- **Unique Lease ID allotted by the State Government:**
- **Lease Boundary Coordinates (Latitudes & Longitudes):**
 - Latitude: _____

○ Longitude: _____

(Additional coordinates may be added as per need)

- **Khasra/Survey Number:** _____
- **Taluka/Tehsil:** _____
- **Village:** _____
- **District:** _____
- **State:** _____
- **Total Lease Area (ha):**
 - Forest Land (ha): _____
 - Private Land (ha): _____
 - Revenue Land (ha): _____
 - Pasture Land (ha): _____
 - others (if any, specify) (ha): _____
- **Mineral(s):** _____
- **Total Resources Available in the Lease Area (Mineral-wise):** _____ (tones/cu.m.)
- **Lease Period (From-To):** _____ to _____

LESSEE DETAILS

- **Name of Lessee:** _____
 - (In case of a company or partnership firm, provide the name of the company/firm along with the name of the Managing Director or Managing Partner, or the name of the proprietor in the case of a proprietary firm)
- **Type of Lessee:** (Person/Company/Partnership Firm/Other) _____
- **Address:** _____
- **Mobile Number:** _____
- **Email Address:** _____

WORKING DETAILS

- **Method of Mining:** [Drop-down menu: Opencast/Underground/Opencast & Underground/Quarry]
- **Status of the lease on date of filing:** [Drop-down menu: Working/Temporary Discontinuance/Non-working/Under Suspension]
- **No. of working days during Reporting Year:** _____
- **No. of days of temporary discontinuance during Reporting Year:** _____
- **No. of days under suspension during Reporting Year:** _____
- **Name and contact details of the Agent/Manager responsible for filing the Star Rating Template:** _____

APPROVALS/CONSENT OBTAINED FROM GOVT. AGENCIES**1. Details of Approved Quarry Plan by the State Govt.**

- **Validity:** From _____ To _____
- **Quantity approved (Financial Year-wise):** _____

2. Details of Environmental Clearance Obtained:

- **Validity:** From _____ To _____
- **Quantity approved (Financial Year-wise):** _____

3. Details of SPCB Approvals (Air/Water) Received:

- **Validity:** Up to _____
- **Quantity approved (Financial Year-wise):** _____

4. Details of Forest Clearance Obtained (if applicable): _____**5. Has the lessee obtained all required NOCs/Certificates/Permits from Govt. Departments?**

- (DGMS/Blasting License/Others): _____

CONTRIBUTION TO GOVT. EXCHEQUER DURING REPORTING YEAR

- **Royalty Paid:** _____
- **Dead Rent Paid:** _____
- **Contribution to DMF (In Rs.):** _____

PART-B: SUSTAINABLE MINING

(MAXIMUM POINTS: 30) S. No.	Particulars	Details (To be filled up by Lessee)	Rating Points	Applicable Max Points	Point Scored
MODULE-I SYSTEMATIC AND SUSTAINABLE MINING (MAXIMUM POINTS: 30)					
1.	Total Production Mineral-wise during Reporting Year (RY):	Approved Quantity (tones/Cu. M.) [to be filled]	Actual (tones/Cu.M.) [to be filled]	● >=50% to 100% (5 points) ● Between 30% & 50% (2 points) ● <=30% and >100% (0 points) [to be automatically calculated]	5

2.	Reject Dump Management (excluding topsoil)	As per the Approved Quarry Plan	Yes (3 points) No (0 points)	3	
3.	Formation of safe and stable benches (open pit) or drives (underground)	As per the Approved Quarry Plan	Yes (2 points) No (0 points)	2	
4.	Dust Suppression measures	Crusher Plant Covered (Within or adjoining lease area)	Yes (5 points) No (0 points) NA	20 [Maximum will be 15 points in cases where No Crusher/ no drilling takes place]	
		Transportation of mineral in covered vehicles	Yes (5 points) No (0 points)		
		Water sprinkling	Yes (5 points) No (0 points)		
		Wet drilling	Yes (5 points) No (0 points) NA		

MODULE-II**PROTECTION OF ENVIRONMENT AND CONSERVATION OF WATER****(MAXIMUM POINTS: 25)**

5.	Compliance reporting of Environmental Parameters (Air, Water, etc.)	As per SPCB norms (to be submitted)		Yes (5 points) No (0 points)	5	
6.	Compliance Reporting of Environmental Parameters (As per EC condition)	As per MoEF norms (to be submitted)		Yes (6 points) No (0 points)	6	
7.	Total Plantation/Compensatory afforestation done as per approved Documents (EC/FC) during the Reporting Year	Approved Quantity (Nos.)	Actual (Nos.)	● 80-100% (4 points) ● >50 <80% (2 points) ● ≤50% (0 points) ● NA	4	
8.	Survival rate of plants during Reporting Year during first year of their plantation	Nos. of Plants planted	Trees/Plants Survived after first year	● 70-100% (6 points) ● >50<70% (3 points) ● ≤50% (0 point)	6	

9.	Use of recycled water for drinking, agriculture, mining, other activities, etc.	Details to be provided [Text]	Yes (4 points) No (0 points) NA	4	
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MODULE-III HEALTH SAFETY AND WELFARE OF WORKERS (MAXIMUM POINTS: 15)						
10.	% of total employees/workers to whom DGMS approved Personnel Protection Equipment (PPE) i.e. Helmets, Shoes, gloves & dust mask, etc has been provided	Av. total employment	% of total employment whom PPE provided	● 100% (2 points) ● >50<100% (1 points) ● <=50% (0 points)	2	
11.	% of total employment whom Periodical Medical Examination (PME) has been done as per Mine Rules 1955	Av. total employment	% of total employment whom PME does as per rules	● 100% (2 points) ● >50<100% (1 points) ● <=50% (0 point)	2	
12.	Provision of drinking water & sanitation facilities to all workers	Details to be provided photo upload		Yes (2 points) No (0 points)	2	
13.	Provision of basic amenities to women employees i.e. Crèche, Toilet & Restrooms.	Details to be provided photo upload		Yes (2 points) No (0 points) NA	2	
14.	Cases of Silicosis' or other occupational disease detected amongst mine workers during the RY	Details to be provided		Yes (0 points) No (2 points)	2	
15.	Welfare measures undertaken by the lessee for mine workers/ in nearby areas as part of CSR	Details to be provided		Yes (2 points) No (0 points)	2	
16.	Provision to tackle mine hazards/ rescue operation	Details to be provided		Yes (2 points) No (0 points)	2	

17.	Training Program for Workers/Labours/ Machine Operators etc. (In every Six Months)	Details to be provided	Yes (1 points) No (0 points)	1	
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MODULE-IV STATUTORY COMPLIANCE (MAXIMUM POINTS: 30)					
18.	Submission of All returns and last assessment	Details to be provided	Yes (10 points) No (0 points)	10	
19.	Rectification of all the violations pointed out by any Govt. Agencies i.e. DGMS, MRD, SPCB	Details to be provided	Yes (5 points) No (0 points) NA	5	
20.	Appointment of Competent persons as per statute (QUARRY PLAN) i.e. Mines Manager, Foreman, Mining Mate, & Blaster	Names to be provided (Appointed letter)	All yes 8 points (two point for each category)	8	
21.	Authenticated lease Sketch with Boundary Co-ordinates	Lease sketch along with Boundary co-ordinates to be provided	Yes (2 points) No (0 points)	2	
22.	Erection of DGPS Boundary Pillars in the lease area as per rule	Details to be provided and photograph	Yes (5 points) No (0 points)	5	
Summary of Points Obtained		Applicable Maximum Points		Points Scored	

OVERALL PERFORMANCE & STAR RATING

	Module Name	Sum of Applicable Maximum Points in all Modules (a)	Sum of Points Scored in all Modules (b)	Percentage (b/a)*100
Module I	Systematic and Sustainable Mining	30		

Module II	Protection of Environment and Conservation of Water	25		
Module III	Health Safety and Welfare of Workers	15		
Module IV	Statutory Compliance	30		
Total		100		
% obtained				
Star Rating				

STAR RATING CRITERIA

Percentage Obtained	Criteria
=> 80% to 100%	5 Star
=> 60% to <80%	4 Star
=> 50% to <60%	3 Star
=> 40% to <50%	2 Star
=> 25% to <40%	1 Star
<= 25%	No Rating

CERTIFICATE

I, ...[Name], ... [Designation], am authorized to fill out this document on behalf of the lessee. I certify that all the information provided is true to the best of my knowledge and based on records.

Date: _____

Place: _____

Signature _____

Name of Agent/Manager _____

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Department of Tribal Welfare

Directorate of Tribal Welfare

Notification

1-285-2025-26/ADMN/DTW/GSSTFDCL/2158

Date : 23-Jul-2025

No. DTW/ADMN/GSSTFDCL/171/2018-19/LA/6911 dated 20-12-2018.

No. GSSTFDCL/171/2018-19/LA/2022-23/4780 dated 05-01-2023.