

Project: Bajeta Soapstone Mine by M/s JD Minerals

Proponent: Shri Rajendra Singh Dafoti

Area: 17.967Ha

Village: Bajeta, **Tehsil:** Munshyari

District: Pithoragarh, **State:** Uttarakhand

PLANTATION PLAN FOR

BAJETA SOAPSTONE MINING PROJECT LOCATED AT
VILLAGE –BAJETA, TEHSIL – MUNSHYARI
DISTRICT – PITHORAGARH, UTTARAKHAND

LEASE AREA: 17.967 Hectare.

Maximum Proposed Capacity: 68231 Tonnes (in Five Year)

PROJECT PROPONENT DETAILS:

M/S J.D. MINERALS
SHRI RAJENDRA SINGH DAFOTI
B-54 JUDGE
FARM, CHOTI
MUKHANI,



Bajeta Soapstone Mine by M/s JD Minerals Proponent: Shri Rajendra Singh Dafoti
Area: 17.967Ha
Village: Bajeta, Tehsil: Munshyari

TO ,

National Green Tribunal,
New Delhi

Subject - Submission of Plantation Plan as Ordered by National Green Tribunal, New Delhi to Mr. Rajendra Dafoti for Bajeta Mines located at Munshiyari , Pithoragarh Uttarakhand.

With reference to letter no-7541/9-2 issued by District Forest Officer, Pithoragarh to Mr. Rajendra Dafoti dated 9th May 2024 for Planting and post care of 18000 trees as per EIA conditions on 20 ha. land given by Bajeta Van Panchayat.

This plan include several point as follows-

- Brief Summary of Project
- Green Belt area cover by Local Species and as per CPCB guidelines
- Planning
- Budget and Time Frame

M/S J.D. Minerals
Shri Rajenda Singh Dafoti
B-54 Judge Farm, Haldwani U.K

Project: Bajeta Soapstone Mine by M/s JD Minerals

Proponent: Shri Rajendra Singh Dafoti

Area: 17.967Ha

Village: Bajeta, Tehsil: Munshyari

District: Pithoragarh, State: Uttarakhand

BRIEF SUMMARY OF PROJECT

Environmental Impact Assessment (EIA) is a decision making tool, in the hands of the Authorities which brings forth the factual position about a project that enables them in arriving at an appropriate conclusion for the proposed projects, to retain them if environmentally sound, and reject if found having deleterious overall impact. EIA identifies the extent of the environmental, social and economic impacts of a project prior to decision-making. EIA systematically examines both beneficial and adverse impacts of the proposed project over and above the prevailing conditions of environmental parameters and ensure that these impacts are taken into account during the project designing stage itself and the values of the combined impacts are never allowed to exceed and remain within the statutory norms. This process has been envisioned and set in motion by the Ministry of Environment and Forests for sustainable development and the final decision is arrived at only, when those to whom it matters are made known of the salient features of the project being envisaged close to them and their opinion has been sought in a widely advertised Public Hearing Event under the chairmanship of the district authorities so that public could also express their opinion free, without favour and fear. Environmental Impact Assessment report is prepared to comply with the Terms of Reference (TOR) received from SEIAA, Uttarakhand, under EIA Notification of the MoEF dated 19-8-2006, and its subsequent amendments and EIA Guidance Manual for Mining of Minerals of MoEF, Govt. of India, for seeking environmental clearance for mining of soapstone in the applied mining lease area measuring 17.96 Ha. The proposed project falls under Category "B1" as per NGT order dated 13.09.2018 & OM dated 12th December 2018 by MOEF & CC which states that all 5-25 Ha projects falling under B-2 category will be considered as B1 & will be appraised by SEAC/SEIAA.

IDENTIFICATION OF PROJECT & PROJECT PROPONENT

The proposed project of M/s. J.D. Minerals is for soapstone mining which covers an area of 17.967 Ha. near Village- Bajeta, Tehsil- Munshyari, District- Pithoragarh, Uttarakhand state. LOI

Project: Bajeta Soapstone Mine by M/s JD Minerals

Proponent: Shri Rajendra Singh Dafoti

Area: 17.967Ha

Village: Bajeta, **Tehsil:** Munshyari

District: Pithoragarh, **State:** Uttarakhand

has been granted in favour of M/s JD Minerals (Prop. Shri Rajendra Singh Dafoti) vide Letter No -2248/VII-1/2018/1(13)/18 on dated 12.10.2018 for 50 yrs.

Soapstone finds its uses in all aspects of life and commercial business. Soapstone has wide applications across various industries. Some uses for soapstone or talc are paper, textile, cosmetics, paint, ceramics, detergents, animal feed, insecticide, plastics and various drying powder. Soapstone, also known as Talc or Talcum Powder, is a mineral that is naturally found in nature. The chemical name for Talc or Talcum Powder is hydrated magnesium silicate. The region Uttarakhand accounts for 29% of India's soapstone production.

S.No.	Year	Total Production of PIT – I & PIT-II (Tonnes)
1.	1 st Year	9435
2.	2 nd Year	11511
3.	3 rd Year	13404
4.	4 th Year	15631
5.	5 th Year	18250
	Total	68231

Total Proposed Production:

68231 Tonnes (in Five Year)

9435 TPA upto 18,250 TPA (1st to 5th Year)

Maximum Proposed Capacity: 18,250 TPA (end of 5th Year)

The proposed mining project has been categorized as Category B1 project.

Proponent & Address

M/s. JD Minerals

Prop. Shri Rajendra Singh Dafoti S/o. Nandan Singh Dafoti

R/o- B-54 Judge Farm, Choti Mukhani,

Haldwani District-Nainital (U.K.)

Table No.- Details of the Project

S. No.	Parameters	Description
1.	Name of the Project	Bajeta Soapstone Mine

Project: Bajeta Soapstone Mine by M/s JD Minerals

Proponent: Shri Rajendra Singh Dafoti

Area: 17.967Ha

Village: Bajeta, **Tehsil:** Munshyari

District: Pithoragarh, **State:** Uttarakhand

2.	Location of the Project	Village: Bajeta, Tehsil- Munshyari, District-Pithoragarh, State- Uttarakhand		
3.	Project Proponent	Shri Rajendra Singh Dafoti		
4.	Lease period validity	50 Years & date of expiry will be considered from date of lease deed.		
5.	Lease Details	This is fresh grant case of mining lease & State Govt. has given its consent to grant mining lease vide G.O. no. : 2248/VII-1/2018/1(13)/18 dated 12.10.2018 for a period of 50 years.		
6.	Location of the Project			
	Village	Bajeta		
	Tehsil	Munshyari		
	District	Pithoragarh		
	State	Uttarakhand		
7.	Total Lease Area	17.967 Ha		
8.	Category of the Project	"B1"		
9.	Capacity of the Project	Total Proposed Production: 68231 Tonnes (in Five Year) 9435 TPA upto 18,250 TPA (1st to 5th Year) Maximum Proposed Capacity: 18,250 TPA (end of 5th Year)		
10.	Topography	Agricultural land		
11.	Lease Area Coordinate	Project Coordinates		
		Pillar	Latitude N	Longitude E
		1.	29°56'44.53"	80°13'52.8"
		2.	29°56'45.58"	80°13'51.75"
		3.	29°56'46.82"	80°13'52.61"
		4..	29°56'46.84"	80°13'55.03"
		5.	29°56'47.65"	80°13'54.76"
		6.	29°56'48.00"	80°13'57.50"
		7.	29°56'49.47"	80°13'57.54"
		8.	29°56'49.36"	80°13'55.82"
		9.	29°56'50.45"	80°13'56.95"
		10.	29°56'51.93"	80°13'57.15"
		11.	29°56'52.40"	80°13'58.44"
		12.	29°56'52.66"	80°13'57.42"
		13.	29°56'58.94"	80°14'0.20"
		14.	29°56'59.87"	80°13'52.43"

Project: Bajeta Soapstone Mine by M/s JD Minerals

Proponent: Shri Rajendra Singh Dafoti

Area: 17.967Ha

Village: Bajeta, **Tehsil:** Munshyari

District: Pithoragarh, **State:** Uttarakhand

		15.	29°57'4.55"	80°13'54.69"
		16.	29°57'10.09"	80°14'1.17"
		17.	29°57'13.58"	80°14'2.91"
		18.	29°57'12.84"	80°14'8.04"
		19.	29°57'10.82"	80°14'8.73"
		20.	29°57'10.39"	80°14'6.24"
		21.	29°57'8.96"	80°14'4.75"
		22.	29°57'8.86"	80°14'3.38"
		23.	29°57'5.10"	80°14'3.31"
		24.	29°57'0.71"	80°14'7.53"
		25.	29°57'0.47"	80°14'7.09"
		26.	29°57'0.26"	80°14'7.95"
		27.	29°56'59.34"	80°14'8.96"
		28.	29°56'52.40"	80°14'4.53"
		29..	29°56'51.90"	80°14'4.88"
		30.	29°56'49.83"	80°14'4.60"
		31.	29°56'49.14"	80°14'5.50"
		32.	29°56'49.06"	80°14'4.67"
		33.	29°56'49.88"	80°14'3.53"
		34.	29°56'49.53"	80°14'3.06"
		35.	29°56'47.40"	80°14'5.57"
		36.	29°56'46.69"	80°14'3.42"
		37.	29°56'49.09"	80°14'1.59"
12.	Land Type	Individual land ownership		
13.	Method of Mining	Opencast, Mechanized Method		
14.	Operational days/ Year	240 Days		
15.	Total Water Requirement	33.91 KLD of water will be used for the project site (Drinking use, Sprinkling & Plantation)		
16.	Source of Water	Potable tankers		
17.	Man power requirement	34 persons		
18.	Nearest railway Station/ Airport along with distance in Kms	Railway Station : Kathgodam, 100.60 Km, SW Airport: Naini Saini Airport, Pithoragarh, 39.66 km, South		
19.	Nearest Town, City, District Head Quarters along with distance in Kms	Nearest District Headquarter Pithoragarh, 40.97 Km, South		
20.	Ecological sensitive areas (Wild life Sanctuaries, National Parks, Biosphere	Not Available		

Project: Bajeta Soapstone Mine by M/s JD Minerals
Proponent: Shri Rajendra Singh Dafoti
Area: 17.967Ha
Village: Bajeta, **Tehsil:** Munshyari
District: Pithoragarh, **State:** Uttarakhand

	Reserves, etc.)	
21.	Historical Places	None
22.	Financial & Social benefit	This Project will provide employment to local people directly and indirectly, which will improve their socio- economic status.
23.	Proposed Project Cost	Rs. 83.22 Lakhs
24.	Proposed CER Cost	Rs. 4.16 Lakhs
25.	EMP Expenditure	Rs. 26.40 Lakhs



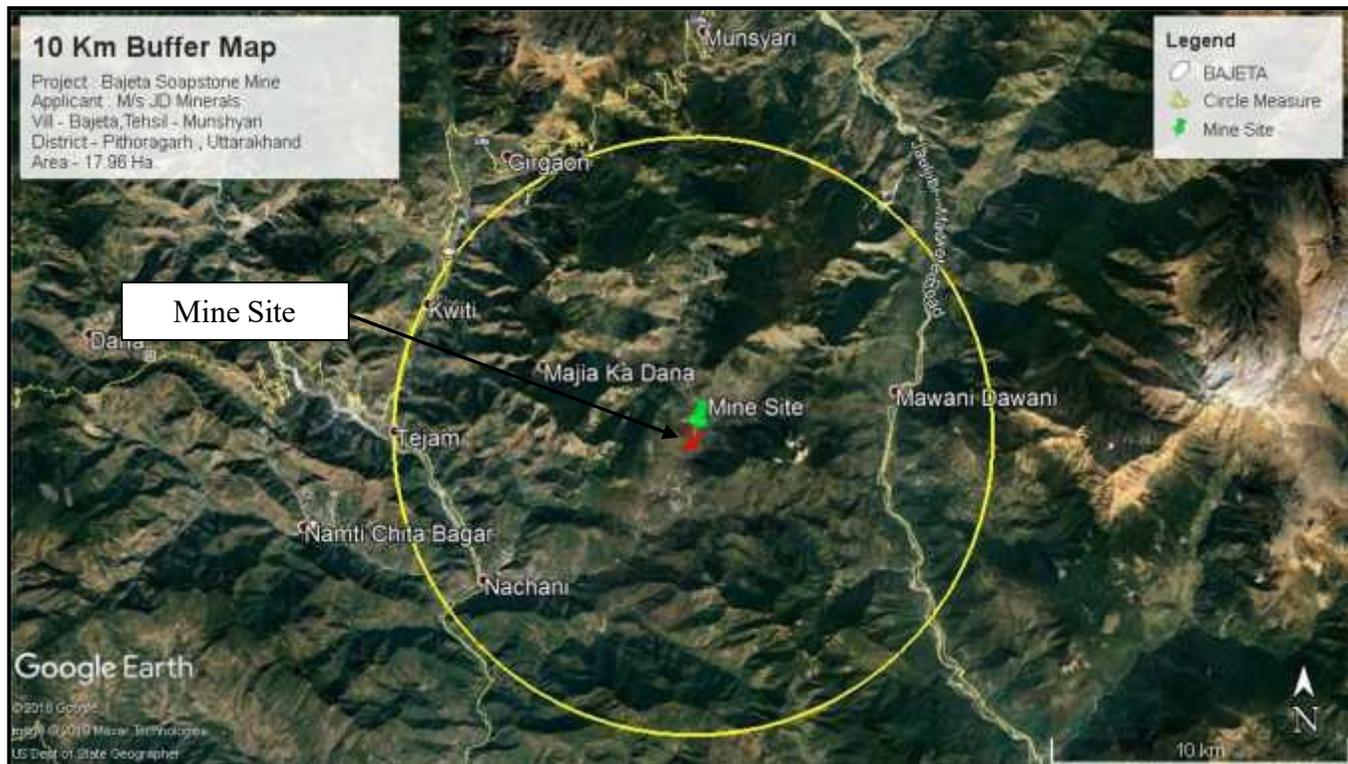
Project: Bajeta Soapstone Mine by M/s JD Minerals

Proponent: Shri Rajendra Singh Dafoti

Area: 17.967Ha

Village: Bajeta, **Tehsil:** Munshyari

District: Pithoragarh, **State:** Uttarakhand



10 KM Buffer Map of Study Area

GREENBELT AND PLANTATION

Proposed Plantation at the Mine Site

The main aim of plantation in the mined out areas is to stabilize the land to protect it from rain wash off and wind erosion. The plantation scheme broadly covers the following areas:

Greenbelt around peripheral portions of the ML and Plantation will be raised along the boundaries of the mining lease by planting the native species around ML area, backfilled and reclaimed area, around water body, etc. in consultation with the local DFO/Agriculture department. Around 18000 plants will be planted in the first 2 year and next 3 year it will be maintain.

Project: Bajeta Soapstone Mine by M/s JD Minerals

Proponent: Shri Rajendra Singh Dafoti

Area: 17.967Ha

Village: Bajeta, **Tehsil:** Munshyari

District: Pithoragarh, **State:** Uttarakhand

● Objective

Greenbelt is a set of rows of trees planted such a way that they form an effective barrier between the plant and the surroundings. The main purpose of green belt development is to contribute to the following factors:

- To attenuate noise levels generated from the plant; To improve the aesthetics of the plant area.
- To trap the vehicular emissions and fugitive dust emissions.
- To maintain ecological homeostasis.
- To prevent soil erosion and to protect the natural vegetation.

● Greenbelt Development in ML area

The entire plantation will be done on the periphery of the reclaimed area. Precautionary measures will be taken for care of the forestation made by regular watering in the plantation area, to protect from grazing animals and proper manuring.

Trees to be planted: Peach (Khumani), Pears (Nashpati), Apricot (Aaru), Faliyat, Surai etc.

Shrubs: Kilmora, Hisalu, etc.

Further trees will be also selected from the plants recommended for afforestation is as per Guidelines for Developing Greenbelts, CPCB, and March 2000.

Species Suggested for Plantation

Sl.No.	Species	Family	Habit
1.	<i>Alternanthera paronychioides</i>	Amaranthaceae	Herb
2.	<i>Alternanthera pungens</i>	Amaranthaceae	Herb
3.	<i>Amaranthus spinosus</i>	Amaranthaceae	Herb
4.	<i>Colocasia esculenta</i>	Araceae	Herb
5.	<i>Ageratum conyzoides</i>	Asteraceae	Herb
6.	<i>Grangea maderaspatana</i>	Asteraceae	Herb
7.	<i>Parthenium hysterophorus</i>	Asteraceae	Herb
8.	<i>Cassia tora</i>	Fabaceae	Herb
9.	<i>Cannabis sativa</i>	Cannabaceae	Herb
10.	<i>Chenopodium album</i>	Chenopodiaceae	Herb
11.	<i>Argemone Mexicana</i>	Papaveraceae	Herb
12.	<i>Brachiaria ramose</i>	Poaceae	Herb
13.	<i>Cynodon dactylon</i>	Poaceae	Herb
14.	<i>Eleusine indica</i>	Poaceae	Herb
15.	<i>Eragrostis tenella</i>	Poaceae	Herb
16.	<i>Saccharum spontaneum</i>	Poaceae	Herb

Project: Bajeta Soapstone Mine by M/s JD Minerals

Proponent: Shri Rajendra Singh Dafoti

Area: 17.967Ha

Village: Bajeta, **Tehsil:** Munshyari

District: Pithoragarh, **State:** Uttarakhand

17.	<i>Physalis minima</i>	Solanaceae	Herb
18.	<i>Calotropis procera</i>	Asclepiadaceae	Shrub
19.	<i>Cassia occidentalis</i>	Fabaceae	Shrub
20.	<i>Croton bonplandianum</i>	Euphorbiaceae	Shrub
21.	<i>Abutilon indicum</i>	Malvaceae	Shrub
22.	<i>Bougainvillea spectabilis</i>	Nyctaginaceae	Shrub
23.	<i>Ziziphus mauritiana</i>	Rhamnaceae	Shrub
24.	<i>Datura innoxia</i>	Solanaceae	Shrub
25.	<i>Solanum virginianum</i>	Solanaceae	Shrub
26.	<i>Lantana camara</i>	Verbenaceae	Shrub

27.	<i>Berberis vulgaris</i>	Berberidaceae	Shrub
28.	<i>Mangifera indica</i>	Anacardiaceae	Tree
29.	<i>Ficus racemosa</i>	Moraceae	Tree
30.	<i>Cassia fistula</i>	Fabaceae	Tree
31.	<i>Ricinus communis</i>	Euphorbiaceae	Tree
32.	<i>Albizia lebbek</i>	Fabaceae	Tree
33.	<i>Bauhinia acuminata</i>	Fabaceae	Tree
34.	<i>Butea monosperma</i>	Fabaceae	Tree
35.	<i>Bombax ceiba</i>	Malvaceae	Tree
36.	<i>Azadirachta indica</i>	Meliaceae	Tree
37.	<i>Quercus leucotricophera</i>	Lauraceae	Tree
38.	<i>Melia azedarach</i>	Meliaceae	Tree
39.	<i>Luecena leucocephala</i>	Fabaceae	Tree
40.	<i>Bauhinia variegata</i>	Fabaceae	Tree
41.	<i>Terminalia bellerica</i>	Combretaceae	Tree
42.	<i>Terminalia chebula</i>	Combretaceae	Tree
43.	<i>Morus alba</i>	Moraceae	Tree
44.	<i>Delonix regia</i>	Fabaceae	Tree
45.	<i>Pinus roxburgii</i>	Pinaceae	Tree
46.	<i>Celtis australis</i>	Cannabaceae	Tree
47.	<i>Grewia optiva</i>	Tiliaceae	Tree
48.	<i>Holoptelea integrifolia</i>	Ulmaceae	Tree

Bajeta Soapstone Mine by M/s JD Minerals Proponent: Shri Rajendra Singh Dafoti
Area: 17.967Ha
Village: Bajeta, Tehsil: Munshyari

● **List of the Local plant species proposed to be planted:**

Name of the Species	Local name	Scientific Name	Picture of the species
Peach	Aadu	<i>Prunus persica</i>	
Walnut	Akhrot	<i>Juglans spp</i>	
Apricot	Khumani	<i>Prunus armeniaca</i>	
Indian Gooseberry	Amla	<i>Emblica officinalis</i>	

Bajeta Soapstone Mine by M/s JD Minerals Proponent: Shri Rajendra Singh Dafoti
Area: 17.967Ha
Village: Bajeta, Tehsil: Munshyari

Bayberry	Kaaphal	<i>Myrica esculenta</i> <i>Buch</i>	
Mango	Aam	<i>Mangifera indica</i>	
Indian frankincense	Salai	<i>Boswellia serrata</i>	

TOTAL NUMBER OF TREES AND PLANNING

- ❖ As per Environment Clearance Letter proponent will plant minimum 18000 plant near the Bajeta Van Panchayat.
- ❖ Proponent will sign the MOU to Local Nursery/Bajeta Van Panchayat to buy the plant and it will be monitored by environment experts who will submit the EC compliance to State and National Authority in the month of JUNE & DEC.
- ❖ Proponent will sign the MOU to local water supply vendor for proper management of water for plantation and sprinkling.
- ❖ 9000 sapling will be done in 1st Year and rest will be done in second year.
- ❖ Plantation drive would be conducted with the help of local officials of Forest office

Bajeta Soapstone Mine by M/s JD Minerals Proponent: Shri Rajendra Singh Dafoti

Area: 17.967Ha

Village: Bajeta, Tehsil: Munshyari

- ❖ Awareness Program will also be conducted.
- ❖ Two person will be hired for maintenance purpose of Plant.

BUDGET FOR FIVE YEARS AND TIME FRAME

- ❖ *Land would be provided by Bajeta Van Panchayat*

Description	Qty	Cost	Annual Cost
Nursery Worker	2	10,000	120000X5=600000
Sapling in 1 ST Year	9000 Trees	9000X100 Plantation@100/sa pling	900000
Sapling in 2 ND Year	9000 Tress	9000X100 Plantation@100/sa pling	900000
Other EXPENSE			
Additional nursery supplies;media,pots, fertilizer, etc.	misc.	misc.	1,20,000
Water Supply			50000
TOTAL CURR EXP			25,70,000

Post Plantation Care/time frame

- ❖ Immediately after planting the seedlings, watering will be done. Further watering will depend on the rainfall. In the dry seasons watering will be regularly done especially during March to June. Watering in one year planted saplings will be more frequent (thrice a week). Manuring will be done using organic manure (animal dung, agricultural waste, kitchen waste, etc.). Younger saplings will be surrounded with tree guards. Diseased and dead plants will be uprooted and destroyed and replaced by fresh saplings. Growth / health and survival rate of saplings will be regularly monitored and remedial actions will be undertaken as required.

For - M/S J.D. Minerals
Shri Rajenda Singh Dafoti
B-54 Judge Farm,Haldwani U.K