

JSTIFICATION
FOR SITUATION OF DMCC BAUXITE MINE (40.468 Ha) INSIDE FOREST
Phadki Mohgaon, Distt. Balaghat (M. P.)

The DMCC Bauxite mines which make a demand of 40.468 Ha on the forest land in Mohgaon, district Balaghat (Madhya Pradesh) were visited and studied from forestry / ecology perspective by the undersigned. Discussions with the mine owners, the mine workers, the local people and senior Geologist Mr. R. K. Choubey (Masters Geology + Masters Environment & Ecology) brought out the following salient features that serve to elaborate quite clearly that the present demand of 40.468 Ha made by these mines on the forest land could not have been avoided and that this is the minimum forest area requirement for the said mines –

- a) **History** - The Mines were first broken in 1978 even before the FCA-1980 was in existence and that the requisite permissions were taken from the forest department apart from the allocation of the area for Bauxite mining from the relevant authorities. Before the FCA-1980 came into existence, an area of 6.07 Ha had already been broken for Bauxite mining and mining was being carried out. Before breaking the area and even after wards, explorative mining had been carried as per accepted norms. The results of the aforementioned explorative mining clearly indicate that these mines fall under A-category mine and the feasibility axis for these mines falls under UNFC for the deposit is F-1.
- b) **Geology** – A study of the underlying geology makes it clear that nature decided to place these mines in this area or rather the Ore under this land over which the present forests came up later on. The geological formations, rich in Bauxite run under this land and form the basic reason for the existence of the mines herewith. Small outcrops of bauxite are seen in the northern part, exposed in the prospecting pits and old workings. Further all along the northern escarpment (about 610 m. in length about 20m. thick), bauxite is exposed, which is purple, white, pinkish, yellowish and brown in

color, massive, compact and hard in nature and at places pisolitic. At places about 0.5 to 1 m. thick soil cover is seen above bauxite. The ore belongs to Tertiary formation.

- c) **Grade/Material** - Main contents of mineral are Al_2O_3 , and SiO_2 , Fe_2O_3 is present as an impurity. Bauxite of the lease area is of chemical and refractory grade
- d) **Reserves** - The area proposed for renewal of mining lease was prospected by pitting during the past lease period. Further in the northern escarpment (vertical cutting) the exposed thickness of bauxite is about 20 m.. It has been considered for the estimation of 121 G1 proved reserves. The influence of escarpment has been taken upto 100 m. laterally towards south for G1 category reserves and further upto 200 m. for the estimation of 122 G2 category of probable reserves.
- e) **Rights & Ownership** - The lease area is a govt. forest land. All rights reserve in favor of Dharmasi Morar Jee Chemical Co. Ltd Mumbai. There are no legal matters pending in connection to Phadki Mohagaon Mine.
- f) **Socio-economic Impact** – There would not be any oustees due to the mines and no people will be displaced nor would there be any need for resettlement. Due to working in lease area, local people will be benefited by opportunities of employment. Mostly local people will be engaged in mine working. It will help in uplifting the living standard of local people. Apart from the mineworkers other people will also be benefited by getting employment opportunity by means of by opening shops for daily need of mine workers.
- g) **Public Acceptance** - There is no objection from the public; Gram Sabha consent is already issued in favor of applicant.

- h) **Legal issues** – Lessee follows all state / center rules and laws of MCR 1960, MCDR 1988, MMDR 1957 (Amended 2015) and all relevant Environmental and pollution control laws.
- i) **Feasibility Report** – The present report is appended by a detailed ‘Feasibility Report’ prepared by Mr. R. K. Choubey, senior Geologist. The geological features leading to the need of situation of mines inside forests have been discussed in more detail in that report and there is also an economic viability study as well attached to it.



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Accredited Expert by NABET (QCI) for Ecology & Biodiversity

Place: Bhopal

Dated: 28th March 2017

For **DMCC**. Ltd.

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Authorized Signatory