

**GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE  
(IMPACT ASSESSMENT DIVISION)  
NON-COAL MINING SECTOR**

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**SUMMARY RECORD OF 35<sup>th</sup> MEETING OF THE COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006.**

The 35<sup>th</sup> meeting of the Expert Appraisal Committee for Environmental Appraisal of Mining Projects (Non-Coal) of the Ministry of Environment, Forest and Climate Change was held during 16<sup>th</sup> to 19<sup>th</sup> August 2021 through video conference. The list of participants is annexed herewith. After login of the Committee Members through video conference link provided by NIC, discussion on each of the Agenda Items was taken up ad-seriatim.

**(1.0.0) Deliberation & Circulation on the Minutes of the 33<sup>rd</sup> EAC meeting held during 13<sup>th</sup> to 16<sup>th</sup> July, 2021.**

The minutes of 33<sup>rd</sup> EAC meeting held during 13<sup>th</sup> to 16<sup>th</sup> July, 2021 were placed before the members of the Committee. The Member Secretary informed the Committee that the following corrigendum was made in 33<sup>rd</sup> EAC meeting held during 13<sup>th</sup> to 16<sup>th</sup> July, 2021:

<b>Agenda No.</b>	<b>As per EAC meeting minutes dated 13<sup>th</sup> to 16<sup>th</sup> July, 2021</b>	<b>Required clarification</b>	<b>EAC recommended during 16 to 19<sup>th</sup> August, 2021.</b>
2.1	Pg No 39, Point No.22  <b>Recommendation of the Committee:</b> After detailed deliberations made by the Project Proponent and the Consultant, the Committee during its meeting during 13 <sup>th</sup> to 16 <sup>th</sup> July,	Clarification required as per PP's letter dated 05.08.2021 and 18.08.2021.	<b>Recommendation of the Committee:</b> After detailed deliberations made by the project proponent and based on the discussion held and documents submitted in the EAC meeting during 13 <sup>th</sup> to 16 <sup>th</sup> July, 2021, the Committee <b>recommended</b> the proposal for Environmental Clearance of Dhani Abdulla Wali Gypsum Mines with enhancement of production capacity from 5.0 LTPA to 6.0 LTPA (RoM) of Gypsum in the mine lease area of 322 ha out of 1278 ha near Village: Dhani Abdulla Wali, Tehsil: kolayat, District: Bikaner, Rajasthan by M/s Rajasthan

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	<p>2021 recommended the proposal for Environmental Clearance of Dhani Abdulla Wali Gypsum Mines with enhancement of production capacity from 5.0 LTPA to 6.0 LTPA (RoM) of Gypsum in the Mine lease area located near Village Dhani Abdulla Wali, Tehsil-kolayat, District Bikaner, Rajasthan by M/s Rajasthan State Mines and Minerals Limited along with the following specific conditions.</p>		<p>State Mines and Minerals Limited along with the following specific conditions:-</p> <ol style="list-style-type: none"> <li>7. The project proponent shall submit the certificate from the agriculture department mentioning the handed over area of 172 ha to khatedars.</li> <li>8. The project proponent shall submit the six monthly report on handing over the land for agriculture and the produce as well as quantity accordingly.</li> </ol>
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**(1.0.1) Deliberation & Circulation on the Minutes of the 34<sup>th</sup> EAC meeting held during 27<sup>th</sup> to 30<sup>th</sup> July 2021.**

The minutes of 34<sup>th</sup> EAC meeting held during 27<sup>th</sup> to 30<sup>th</sup> July 2021 were placed before the members of the Committee.

**DAY 1 - 16.08.2021 (Monday)**

**1.1: Proposal for Environmental Clearance (EC) under the provision of Notification dated 06.04.2018 for expansion of production capacity from 15000 TPA to 1,96,350 TPA (Quartz & Feldspar – 84,240 MT (ROM), Reject – 21060 MT, Overburden – 91050 MT) of Para Magra Ganeshpura Mines in the mining lease area of 136 ha (M.L.No.08/95) located in Village: Ganeshpura, Tehsil: Kekri, District: Ajmer, Rajasthan by M/s Stone Metals Private Ltd [Proposal no: IA/RJ/MIN/205394/2018; File No. J-11015/171/2018-IA.II(M); Consultant: Fulgro Environment & Engineering Services (I) Pvt Ltd. ] – EC**

Minutes of 35<sup>th</sup> EAC Meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021

**1. EAC Meeting Details:**

EAC meeting	35 <sup>th</sup> EAC Meeting
Date of Meeting	16 <sup>th</sup> – 19 <sup>th</sup> August 2021

**2. Project details:**

Name of the Proposal	Para Magra Ganeshpura Quartz & Feldspar Mining Project for expansion of production capacity from 15000 TPA to 1,96,350 TPA (Quartz & Feldspar – 84,240 MT (ROM), Reject – 21060 MT, Overburden – 91050 MT) under the provision of Notification dated 06.04.2018	
Location	Village	Ganeshpura
	Tehsil/Taluka	Kekri
	District	Ajmer
	State / UT	Rajasthan
	Latitudes	25° 52'11.96"N to 25° 52'52.26" N
	Longitudes	75° 13'33.27" E to 75° 13'33.27" E
	SolTopo sheet No.	45O/1
Company's Name	M/s Stone Metals Pvt. Ltd.	
Accredited Consultant and certificate no.	Fulgro Environmental & Engg Services India Pvt. Ltd. NABET/EIA/1922/RA 0148 valid till Feb 09, 2022	
KML file	Submitted	
Seismic zone	II	

**3. Category details:**

Category of the project	Category A under Schedule 1(a) – Mining of Minerals activity
Provisions	As per MoEF&CC Notification, S.O 1530 (E) dated 6 <sup>th</sup> April 2018 under EIA Notification, 2006
Mining lease Area	136 Ha

**4. ToR/EC Details:**

ToR Proposal No.	IA/RJ/MIN/81518/2018
Online application date for Form-I	5/10/2018
Documents Submitted	Form 1, PFR, brief summary, lease documents
EAC meeting date	12 <sup>th</sup> EAC meeting held on 20 <sup>th</sup> Dec 2019
ToR Letter No.	J-11015/171/2018-IA.II(M)

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ToR grant Date	14.02.2020
Production capacity	Total: 84,240 TPA Quartz: 42,120 TPA Feldspar: 42,120 TPA
Soil	81,885 MT (Plan Period)
Waste	3,67,819.16 MT (OB & Reject during Plan Period) Waste generation end of life of mine 14,96,950 MT
Total Excavation	1,96,350 TPA (ROM)
Crusher	50 TPH
EIA/EMP uploaded on	24.03.2021
Previous EC details	Environmental Clearance was granted by MoEF&CC vide letter no. J-11015/5/99-IA-II(M) on 15.07.1999 for mineral Quartz & Feldspar in favor of Sh. Padam Chand Agarwal under the EIA Notification 1994

**5. Lease Details:**

Sanction of Mine lease by Rajasthan Government	Area	136 Ha
	Mineral	Quartz and Feldspar
	In favor of	Sh. Padam Chand Agarwal S/o Sh. Laxmi Chand Agarwal
	Letter no.	DMG/AJ/CC-5/F-1(1)08/1995/1099
	Date	28/07/1998
Mine lease execution	Date	20/8/1998
Mine lease registration	Date	27/08/1998
	Period	20 years (27/08/1998 to 26/08/2018)
Validity of mine lease	26/08/2048 vide Govt. order no. AME/SAWAR/M.L.-8/1995/1513-15 dated 19/02/2015	
Lease transfer details	<b>First Lease Transfer:</b> Lease was transferred in favor of Sh. Sanjay Choudhary S/o Sh. BhagchandChoudhar y vide Govt. order no.-DMG/AJ/CC-1/F.1(1)/08/1995/2592 on dated 06/10/2005 executed on dated 08/12/2005 and registered on dated 04/01/2006.	<b>Second Lease Transfer:</b> Further the lease was again transferred in the name of M/s Stone Metals Pvt. Ltd. vide Govt. order no.DMG/AJ/CC-5/F.1(1)/08/1995/1565 dated 05/07/2011 and executed on dated 18/07/2011 and transfer agreement was registered on dated 18/07/2011.

**6. Observation and Recommendation of the Committee:**

During the 35<sup>th</sup> EAC (Non Coal Mining) meeting held during 16<sup>th</sup> to 19<sup>th</sup> August, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the instant proposal is for expansion in mining capacity of Quartz & Feldspar and hence District Survey Report (DSR) is mandatory. It was observed and the project proponent orally submitted during the presentation that the submitted DSR is not as per Ministry's Notification S.O. 3611(E) dated 25.07.2018. Therefore, the Committee **deferred** the proposal and asked the project proponent to submit the District Survey Report as per Ministry's Notification S.O. 3611(E) dated 25.07.2018.

**1.2 Proposal for Terms of Reference (ToR) under the provision of Notification dated 06.04.2018 of Mohangarh Gypsum Mining Project with the production capacity of 1,00,000 TPA & O.B. Handling 7,936 m<sup>3</sup> in the mining lease area 200 ha (ML No 07/03) located in village Mohangarh, Tehsil & District Jaisalmer, Rajasthan by M/s FCI Aravali Gypsum & Minerals India Ltd. – [Proposal no: IA/RJ/MIN/87020/2018; File No. J-11015/03/2019-IA. II (M)] - ToR**

**1. EAC Meeting Details:**

EAC meeting	35 <sup>th</sup> EAC meeting
Date of Meeting	16 <sup>th</sup> – 19 <sup>th</sup> August 2021

**2. Project details:**

Name of the Proposal	Existing Mohangarh Gypsum (Minor Mineral) Mining project (ML No 07/03, ML Area 200 ha) with production capacity 1,00,000 TPA Gypsum & 7936 cum/year OB Handling 7,936 m <sup>3</sup> under the provision of Notification dated 06.04.2018	
Location	Village	Mohangarh
	Tehsil/Taluka	Jaisalmer
	District	Jaisalmer
	State / UT	Rajasthan
	Latitudes	27 <sup>0</sup> 18' 01.21" N
	Longitudes	71 <sup>0</sup> 16' 25.93" E
	SoITopo sheet No.	40 M/7 (Old) or G 42 F/7 (New)
Company's Name	M/s FCI Aravali Gypsum and Minerals India Ltd.	
Accredited Consultant and certificate no.	Mantec Consultants Private Limited	
KML file	Submitted	
Seismic zone	III	

**3. Category details:**

Category of the project	Category A under Schedule 1(a) – Mining of Minerals activity
Provisions	As per MoEF&CC Notification, S.O 1530 (E) dated 6 <sup>th</sup> April 2018 under EIA Notification, 2006
Mining lease Area	200 Ha

**4. ToR/EC Details:**

ToR Proposal No.	IA/RJ/MIN/87020/2018
Online application date for Form-I	29.11.2018
Production capacity	1,00,000 TPA Gypsum
Soil	0.3-0.4 m
Waste	39680 m <sup>3</sup>
Overburden	7936 cum/year
Total Excavation	100000 TPA
Previous EC details	Letter no. J-11015/180/2005-IA.II (M) dated 22 <sup>nd</sup> December, 2005.
Date of earlier EAC meetings	22 <sup>nd</sup> January 2019 wherein the Committee recommended the proposal under the provision of Notification dated 06.04.2018 with subject to submission of cluster certificate, past production details 2005-06 to 2007-08, CTE, CTO from 2005-06 to 2006-07 and 2011-12 to 2014-15 and a letter from State Government regarding the validity of this mining lease and examination in light of common cause order dated 02.08.2017 and S.O( E) dated 14.03.2017

**5. Lease Details:**

Granted mine lease by Govt. of Rajasthan	Area	200 Ha
	In favor of	FCI Aravali Gypsum and Minerals India Ltd
	Order no.	F-3(7)/MIN/Group-2/2006
	Date	20.07.2007
Validity of mine lease	16.12.2057 as per MMDR Act-1957 dated 12.01.2015	

**6. Observation and Recommendation of the Committee:**

During the 35<sup>th</sup> EAC (Non Coal Mining) meeting held during 16<sup>th</sup> to 19<sup>th</sup> August, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that as per the records of Ministry, the project proponent exceeded

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the previous EC capacity at least 3 times between 2008 and 2021. However, in the letter obtained from DMG which has taken CTO as base i.e. calendar year for annual production appears that production is within the limit. During the EAC meeting, the Committee observed that though, the Ministry has already established the violation, PP needs to submit the comparative data. The project proponent vide letter dated 17.08.2021 submitted the data as per calendar year-wise. EAC examined and requested that the project proponent should submit the revised data as per financial year from 1<sup>st</sup> April to 31<sup>st</sup> March, for further appraisal of the EAC. Therefore, the Committee **deferred** the proposal due to want of following information:

- 1) The project proponent needs to submit the month-wise production details for previous EC capacity from 1<sup>st</sup> April to 31<sup>st</sup> March as per the financial year given in EC vide letter no. J-11015/180/2005-IA.II (M) dated 22<sup>nd</sup> December, 2005.
- 2) The project proponent needs to submit the financial year wise past production data duly certified by DMG.

### **1.3 Proposal for Terms of Reference (ToR) for expansion of Iron ore production from 6.0 MTPA to 7.2 MTPA in the mining lease area of 160.59 ha (M.L. No. 2677) of M/s Vedanta Limited, located at Megalahally, Bommavvanagattihally, Chowdenahally, Tanigehally, Hire Kandavadi Villages, Holalkere&Chitradurga Talukas, Chitradurga District, Karnataka State under the clause 7(ii) (a) of notification S.O. 980 (E) dated 02/03/2021 – [Proposal no: IA/KA/MIN/223018/2021; File No. J-11015/1167/2007-IA.II (M)] – ToR**

#### **1. EAC Meeting Details:**

EAC Meeting	35 <sup>th</sup> EAC Meeting
Date of Meeting	16 <sup>th</sup> – 19 <sup>th</sup> August 2021

#### **2. Project details:**

Name of the Proposal	Expansion of Iron ore production from 6.0 MTPA to 7.2 MTPA in the mining lease area of 160.59 ha (M.L. No. 2677) of VEDANTA LTD., under the clause 7(ii) (a) of Notification S.O. 980 (E) dated 02/03/2021	
Location	Village	Megalahally, BommavvanaGattihally, Chowdenahally, Tanigehally, Hire Kandavadi.
	Tehsil/Taluka	Holalkere&Chitradurga
	District	Chitradurga

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	State / UT	Karnataka
	Latitudes	14°13'25.81" N
	Longitudes	76°12'26.67" E
	SoI Topo sheet No.	57B/4
Company's Name	M/s. Vedanta Limited	
Accredited Consultant and certificate no.	METAMORPHOSIS Project Consultants Pvt. Ltd., Bengaluru. NABET/EIA/1821/RA 129 valid upto 30.11.2021	
KML file	Submitted	
Seismic zone	II	

**3. Category details:**

Category of the project	Category A under Schedule 1(a) – Mining of Minerals activity
Provisions	EIA Notification, 2006
Mining lease Area	Lease Area: As per lease deed – 163.50 Ha As per CEC survey- 160.59 Ha
Additional information	Name of the company changed from Sesa Goa Limited to Sesa Sterlite Limited and further changed to Vedanta Limited.

**4. ToR Details:**

ToR Proposal No.	IA/KA/MIN/223018/2021
Online application date for Form-I	03 <sup>rd</sup> August 2021
Documents Submitted	Form I, Proposed ToR, Approved Mining Plan
Production capacity	Existing: 6.0 MTPA Proposed: 7.2 MTPA
Soil	Mine is working since 1954 and the lease area is already broken-up.
Waste	During the Plan Period: 15.79 million tons Life of the Mine: 86.358 million tons
Total Excavation	215.164 million tonnes for the life of the mine.
Crusher	4 nos of Power screen: 1X1000tph & 3X500 tph
Previous EC details	J-11015/1167/2007.IA.II (M) dated 05.02.2009
Date of earlier EAC meetings	10.11.2008

**5. Lease Details:**

Granted Prospecting License by Karnataka Government	Area	388.50 Ha (First Grant)
	Execution date	28.10.1952



	PL No.	248
	Area	388.50 Ha (First Renewal)
	Execution date	08.06.1973
	PL No.	1149
	Area	337.91 Ha (Second Renewal)
	Execution date	13.05.1983
	PL No.	1884
	Area	163.50 Ha (Third Renewal)
	Execution date	29.05.1998
	PL No.	2236
	Area	160.59 Ha (Fourth Renewal)
	Execution date	28.10.2012
	PL No.	2677
Prospecting operation, Commence date		1952
Validity of mine lease		Upto 27.10.2032

## 6. Observation and Recommendation of the Committee:

During the 35<sup>th</sup> EAC (Non Coal Mining) meeting held during 16<sup>th</sup> to 19<sup>th</sup> August, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the instant proposal does not falls under the clause 7(ii) (a) of notification S.O. 980 (E) dated 02/03/2021, which is being mentioned in the application of the project proponent. The EAC also observed that the project proponent did not submit the pre-feasibility report (PFR) which is mandatory for appraisal for Terms of Reference (ToR). Hence, the project proponent was advised to withdraw the application and was asked to submit the fresh application alongwith PFR and all relevant documents. The EAC also observed that as per Central Empowered Committee (CEC) letter dated 04.03.2020 w.r.t. Enhancement of permissible limit in respect of Category 'A' and Category 'B' mining leases and auctioned 'C' category mine, Karnataka subject to the following conditions:

- a) The State Government shall ensure that the sum total of annual production from all the lessees does not exceed 28 MMT in District Bellary and 7 MMT in District Chitradurga and Tumkur.
- b) In the event it is found that the sum total of annual production is exceeding the limits mentioned at (a) above the lease wise permissible annual production of all the operating leases will automatically stand reduced on pro rata basis against the approved PAP given in the letter in such a way that the actual annual production does not exceed 28 MMT in District Bellary and 7 MMT in District Chitradurga and Tumkur.
- c) The State Government will ensure that all the respective lessees are having all the requisite statutory approvals.

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Further, it was also advised to the project proponent that 20% increase in production capacity must be on the basis of total excavation, compliance for current capacity, plantation details and its current status, PH concerns and must explain that there will be no harm to the environment after expansion. Therefore, the Committee **returned the proposal in present form** and requested the project proponent to submit the requisite documents as suggested.

**1.4 Proposal for Environmental Clearance (EC) for expansion in Limestone production capacity from 0.279 MTPA to 2.80 MTPA and Mineral Beneficiation of 1200 TPH in RAS-I in the Mine lease area of 183.53 ha (ML No. 10/94) located at villages Sewariya, Bhaktawarpura, Dhaneriya, and Kotadiya, Tehsil Jaitaran, District Pali, Rajasthan of M/s Ambuja Cements Limited [Proposal no: IA/RJ/MIN/98212/2017; File No. J-11015/82/2017-IA.II (M); Consultant: JM EnviroNet Pvt. Ltd.] - EC**

**1. EAC Meeting Details:**

EAC meeting	35th EAC Meeting
Date of Meeting	16 <sup>th</sup> to 19 <sup>th</sup> August 2021

**2. Project details:**

Name of the Proposal	Expansion in Limestone Production capacity from 0.279 Million TPA to 2.80 Million TPA and Mineral Beneficiation of 1200 TPH in RAS-I Limestone Mine (ML No. 10/94, ML Area- 183.53 ha)	
Location	Villages	Sewariya, Bhaktawarpura, Dhaneriya and Kotadiya
	Tehsil/Taluka	Jaitaran
	District	Pali
	State / UT	Rajasthan
	Latitudes	26 <sup>o</sup> 23'12.75" N to 26 <sup>o</sup> 24'16.61"N
	Longitudes	74 <sup>o</sup> 13'26.32" E to 74 <sup>o</sup> 14'35.49"E
	Sol Topo sheet No.	Core zone : G43I3 Buffer zone : G43I3 & G43I7
Company's Name	M/s. Ambuja Cements Ltd.	
Accredited Consultant and certificate no.	J.M. EnviroNet Pvt. Ltd. Certificate no. NABET/EIA/2023/RA 0186	
KML file	Submitted	
Seismic zone	Zone – II as per IS: 1893 (Part-I) : 2002	

**3. Category details:**

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Category of the project	Category "A" under Schedule 1(a) – Mining of Minerals activity & 2(b) – Mineral Beneficiation
Provisions	EIA Notification dated 14th September, 2006.
Mining lease Area	183.53 Ha (Govt. Land- 180.43 ha & Private Land- 3.10 Ha)

**4. ToR/EC Details:**

ToR Proposal No.	IA/RJ/MIN/98212/2017 (EC)
Online application date for Form-I	July 10 <sup>th</sup> , 2017
Documents Submitted	Form I, PFR, Brief Information, Proposed ToR, SOI Toposheet etc.
EAC meeting date	29.08.2017
ToR Letter No.	J-11015/82/2017-IA.II (M)
ToR grant Date	28.09.2017
Production capacity	2.80 Million TPA
Soil	Nil
Waste	0.25 million TPA
Mineral rejects	0.49 million TPA
Total Excavation	3.54 Million TPA
Crusher	1 x 1200 TPH
EIA/EMP uploaded on	01.02.2019
Previous EC details	Environment Clearance for existing limestone production Capacity of 0.279 million TPA has been obtained from MoEFCC vide letter no J-11011/54/2010-IA-II (I) dated 29.03.2012

**5. Lease Details:**

Granted mine lease	Area	183.53 Ha
	In favor of	M/s. DLF Cements Ltd.
	Letter no.	P-3(28)/Mine/Group-1/92
	Date	24.04.1997
	Lease execution date	13.06.1997
	Lease registration date	25.11.1997
First transfer of mine lease	Transferred from M/s. DLF Cements Ltd to Ambuja Cement Rajasthan Ltd (ACRL) was done by State Govt vide their order no P-3(28)/Mine/Group-1/92 dated 16.05.2005 of which supplementary lease execution was done on 17.11.2005.	

Second transfer of mine lease	Transfer from Ambuja Cement Rajasthan Ltd (ACRL) to Gujarat Ambuja Cements Ltd (GACL) was done by Directorate vide their order no Nikhabhu/Sojat/CC.8/P.1(1)10/1994/2073 dated 06.12.2005 which was executed on 02.01.2006 and registered on 10.01.2006.
Validity of mine lease	24.11.2047 under Section 8A (5) of M.M.D.R. Amendment Act 2015 vide letter no. ME/Sojat/Major/ML/10/1994/2055 dated 24.02.2015 in favor of GACL
Third transfer of mine lease	Transfer of Mining Lease from Gujarat Ambuja Cements Ltd (GACL) to Ambuja Cements Ltd (ACL) is under process with Department of Mines & Petroleum. Letter has been forwarded from Directorate of Mines & Geology to Department of Mines & Petroleum vide their letter no Nikhabhu / Major / Sojat / CC.I / M.L.2 / 94 / 1360 dated 07.09.2017.

**6. Observation of the Committee:** The project proponent made the presentation about the project through the KML file and explained the mining methodology, the status of wildlife conservation plan, and status of compliance of earlier EC condition granted in 2005. The Committee noted that the mine lease is in the name of Gujarat Ambuja Cements Ltd (GACL) whereas the application was made in the name of Ambuja Cements Ltd (ACL). The EAC also noted that compliance to plantation as per the earlier EC has not been fully fulfilled. The EAC also noted that the wildlife conservation plan is not up to the expectation and current plan may not serve the real purpose of conservation of the wildlife. EMP drawn specific to excavation, over burden, rejects in the area and EMP for proposed crusher, transportation of 18 km of the mineral and the cost assigned for that needs revisiting. Also, the Committee observed that the budget of plantation was grossly inadequate which needs to be revisited. EAC also noted that due to chopping of hill, the hydrology of the area may change.

**6. Recommendation of the Committee:**

During the 35<sup>th</sup> EAC (Non Coal Mining) meeting held during 16<sup>th</sup> to 19<sup>th</sup> August, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee **deferred** the proposal due to following shortcomings:

- 1) The project proponent needs to undertake the plantation in the next 2 months in order to complete it as committed using 3 m sapling as per approved mining plan including the peripheral plantation.

- 2) The project proponent needs to submit the revised wildlife conservation plan as per the suggestions made by the EAC during the presentation.
- 3) The project proponent needs to submit the revised EMP for proposed crusher, transportation of 18 km of the mineral and along with the revised EMP budget assigned. The project proponent needs to submit the revised EMP for public hearing concerns indicating capital cost (85 lakhs) with breakup of 3 years which can be monitored by the Ministry.
- 4) The project proponent needs to submit the budget of plantation which is to be revised by increasing the cost of sapling which was taken as 200 to 300 and completing the plantation at the density of 2000 plants/ha. Also, make a provision for gap plantation ensuring 95% survival rate and resubmit the budget for first 5 year plan and also till the conceptual closure of mine.
- 5) The project proponent needs to submit the impact of change in topography on hydrology as well as change in water availability in the nearby area since the hydrology of the area may change due to chopping of the hill.
- 6) The project proponent needs to submit the particle emission considering it as elevated source at 10 m interval and work out the zone of impact using source-receptor model.
- 7) The project proponent needs to survey the plantation using drone and submit it in order to show the clear picture of plantation completed till date using drone survey video.
- 8) The project proponent needs to submit a detailed note on switch over from road transportation to conveyer transportation from RAS-1 to the plant site near RAS-2 with due consideration that it has to cross a railway crossing and a highway. PP submitted that the work can be completed in 3 years. This note will be reviewed by EAC at the time of next appraisal.

**1.5 Proposal for Terms of Reference (ToR) for expansion of Zawar Group of underground Lead- Zinc Mines from 4.8 MTPA to 6.5 MTPA Ore Production with total excavation 7.78 MTPA including Waste rock 1.28 MTPA and Beneficiation from 4.8 MTPA to 7.3 MTPA within ML Area of 3620 ha (ML No.03/89) located at Village Zawar, Tehsil Girwa and Sarada, District Udaipur, Rajasthan by M/s Hindustan Zinc Ltd. [Proposal no: IA/RJ/MIN/222643/2021; File No. J-11015/259/2012-IA-II(M)] – ToR**

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**1. EAC Meeting Details:**

EAC meeting	35 <sup>th</sup> EAC Meeting
Date of Meeting	16 <sup>th</sup> to 19 <sup>th</sup> August 2021

**2. Project details:**

Name of the Project	Expansion of Zawar Group of Underground Lead- Zinc Mines from 4.8 Million TPA to 6.5 Million TPA Ore Production (Total Excavation: 7.78 Million TPA including Waste rock generation of 1.28 MTPA) and Beneficiation from 4.8 Million TPA to 7.3 Million TPA within ML Area of 3620 ha			
Location	Villages	Zawar, KodiyaKhet, Nayakheda, Rawa, Tidi, Udiyakheda, Barothi Bhaldia, Bara, Chanawada, Dhavadi Talai, Kanpur, NewaTalai, Padla, Parsad, Krishnapura, Singhatwara		
	Tehsil/Taluka	Girwa & Sarada		
	District	Udaipur		
	State / UT	Rajasthan		
	Latitudes	Block 1	24019'0.3"	to
		Block 3	24014'43.66"	to
	Longitudes	Block 1	73040'23.24"	to
		Block 3	73041'47.03"	to
SoIToposheet No.	45 H/11, 45 H/12, 45 H/15 & 45 H/16			
Company Name	Hindustan Zinc Limited (HZL)			
Accredited Consultant Organisation and its certificate no.	J.M. EnviroNet Pvt. Ltd. NABET/EIA/2023/RA 0186, Validity: 07.02.2023			
KML file	Submitted			
Seismic zone	Zone – II			

**3. Category details:**

Category of the project	Category 'A' Project under Activity 1(a) – 3 for "Mining of Minerals" and Activity 2 (b) - 3 for "Ore Beneficiation"
Provisions	EIA Notification dated 14th September, 2006.
Mining lease Area	3620 Ha (ML 3/89) [Block 1 (3172 Ha) and Block 3 (448 Ha)]

**4. ToR/EC Details:**

ToR Proposal No.	IA/RJ/MIN/222643/2021
Online application date for Form-I	31.07.2021
Documents Submitted	PFR, Brief Summary, SOI Toposheet, Authorization Letter, KML, Surface Plan
Production capacity	Ore production: 4.8 Million TPA to 6.5 Million TPA Beneficiation capacity: 4.8 Million TPA to 7.3 Million TPA
Soil	Nil (as it is an underground mining project)
Waste	1.28 MTPA (Waste rock generation)
Total Excavation	7.78 Million TPA
Crusher	Existing- 15 crushers Proposed- 5 crushers Total- 20 crushers
Previous EC Details	EC for 4.8 Million TPA of Lead-Zinc Ore and Ore Beneficiation vide letter no: J-11015/259/2012-IA.II dated 16.10.2020

**5. Lease Details:**

Granted mine lease	Area	5178 Ha (Block 1, 1A, 2, 3 & 4)
	Execution date	18 <sup>th</sup> Aug. 1950 upto 1970
	ML No.	ML 3/89
First renewal (1970-1990)	In favor of	HZL
	Letter no.	F.2(4)/Khanij/70
	Date	13.03.1973
Second renewal (1990-2010)	Letter no.	i-12/26/[kku xzqi-2/90
	Date	20.10.1992
Reduction in lease area	Due to low mineralization potential, HZL opted for reduction of lease hold area from 5178 to 3620 hectares, by surrendering an area of 1558 Ha. The area surrendered consisted of 678.89 Ha of Forest land and 879.11 Ha of non-forest land. The reduced lease area of 3620 Ha consisted on 1537.91 Ha of Forest land.	
Validity of Mine Lease	31.03.2030 as per Section 8A (5) of MMRD (Amendment) Ordinance 2015 vide letter dated 26.02.2015	

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Diversification of forest land	Further, as required under the Forest Conservation Act 1980, clearance for diversification of forest land was granted by MoEF for the Forest area of 1537.91 Ha including 114.94 Ha for surface use vide Order no. 8-1/97-FC Dated 15/16.6.98. HZL entered into an agreement with Govt of Rajasthan on 25.04.2000 on renewal of leasehold of 5178 hectares from 30.03.1990 to 05.01.2000 & 3620 hectares for the period from 06.01.2000 to 29.03.2010.
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**6. Mining plan details:**

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	S.no. 584 (4) (3) (1868)/ 2021 – Sh.Khani- Ajam		
	Date	15.07.2021.		
	Validity	2021-2022 to 2024-2025		
<b>Mining Parameters</b>	<b>Quantitative Description</b>			
Bench Height	Length of stope: ~40 to 80 m (This is an underground mining project)			
Bench Width	Width of stopes ~3 to 12 m			
Method of Mining	Sub-level Open Stopping			
Individual bench slope	Slot extracted to ~30% of the stope volume			
Drilling/Blasting	Details of Drilling Blasting			
	Particulars	Parameters		
	Drilling Pattern in Ore	Burn cut/Wedge cut		
	Drilling Pattern in Ore	Ring/Parallel Hole Drilling		
	Maximum No of Hole blasted in a round	Mochia	50	
		Balaria	70	
Zawarmal		250		
a		225		
Type of Explosive	ANFO, Slurry Explosive			
ROM output size	- 150 mm			
Life of Mine	+20 years			
Transportation details	Hauling of ore / waste from underground to surface through 65/60T / 30T / 20T LPDTs. Primary crushing through crusher transported via surface trucks to Mill stockpile. The concentrate produced is transported to captive smelters of HZL through road transport.			
Dumpers capacity	LPDT: 65T/60T / 30T / 20T LHD: 6-7/10/15/17/21 T			

**7. Land Area Breakup:**



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Private land	931.34 ha
Government land	2688.66 ha
Total Mining lease area	3620 Ha
Private land for crusher, workshop & other infrastructure outside the MLA	Primary crusher along with other infrastructure will be available within the lease area No infrastructural activity is proposed outside the lease area.

**8. Nearest village / town/ highway/railway station / water bodies:**

Particulars	Villages	Distance and Direction (From Block-I)	Distance and Direction (From Block-III)
Nearest village	Village	Zawar	Bara
Nearest Town / City	Udaipur city	~20 km in North direction	~38 km in North direction
Nearest State/National Highway	SH-32	~3.5 km in ENE	~16.25 km in NE
	NH- 48	passing though Block-I	passing though Block-III
Nearest Railway Station	Zawar Railway station	within block-I	~14 km in NNE
	Kharwachanda	~7.5 km in NE	~ 27 km in NNE
	Padla Railway station	~7.5 km in ESE	~12 km in NE
Nearest Water bodies	TiriNadi	Within the block-I	~14.5 km in NNE
	ChandaniNala	~2.5 Km in NNW	~17.5 km in North
	Tidi Dam	~3.0 km in WSW	~10.0 k in NNW
	DaiyaNadi	~6.5 Km in East	~15 km in NE
	PareriNadi	~11 km in South	Passing through Block-III
	ThorghatiTalav	~16 km in SSE	7.5 km in ESE
	NalNadi	~19 km in SSW	~8.5 Km in SW

**9. Water requirement:**

Total water requirement	14000 KLD	Fresh water	14000 KLD
		Treated water	100% recycle
Source	Tidi Dam		
Permission	Permission for the water was obtained from Water Resource Department, Government of Rajasthan.		

**10. Presence of Environmentally Sensitive areas in the study area:**

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Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Forest Land	Yes	<ul style="list-style-type: none"> <li>▣ Total mining lease area is 3620 ha, wherein 1537.91 ha. is forest land for which forest diversion has been taken for the Forest area of 1537.91 Ha including 114.94 Ha for surface use.</li> <li>▣ Approval for diversion of forest land was granted by MoEF with validity co-terminus with mining lease vide letter No. 8-1/97-FC dated 15/16.06.1998. Renewal of the forest diversion was granted vide letter No. 8-1/97-FC dated 23.01.2015.</li> <li>▣ Application for forest diversion for additional surface rights for 68.95 ha of forest land submitted on 16.05.2017</li> </ul>
National park	No	<p>There is no National Park, Migratory routes of fauna and National Monuments within 10Km periphery of the lease area and same has been authenticated by DCF, Udaipur vide letter no F.9 (10) Survey/DCFWL/Udr/2016-17/11715 dated 29.11.2016</p> <p>Jaisamand Wildlife Sanctuary is situated at 10.9 km from the boundary of the mine lease area.</p> <p>The ESZ is present at distance of ~3.5 Km in North East direction from Block-I.</p>
Wildlife Sanctuary & Forest	No	

Schedule- I species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	Yes	Osprey ( <i>Pandion Haliaeetus</i> ), Indian Peafowl ( <i>Pavocristatus</i> ), White-rumped Vulture ( <i>Gyps bengalensis</i> ), Indian Leopard ( <i>Pantherapardusfusca</i> ), Indian Pangolin ( <i>Maniscrassicaudata</i> ), Crimson rose ( <i>Pachliopta hector</i> ), and Bengal Monitor Lizard ( <i>Varanusbengalensis</i> )
Wildlife Conservation Plan	-	<p>Conservation plan for Schedule-I species submitted to Chief Wildlife Warden, Rajasthan for approval.</p> <p>A total of Rs. 18.45 cr. has been earmarked towards wild life conservation over life of mine lease.</p>

**11. Green belt/ plantation details:**

Proposed area for green belt/plantation	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>
	170.85 Ha	14.15 ha	185 ha
Budget for green plant & plantation till the end of life of mine.	500 Lacs		

<b>Particulars for Green belt/plantation</b>	<b>Area covered (in Ha)</b>
7.5 m barrier & non-mineralized zone	170.85 ha area covered with plantation
50 m safety zone of nallah, roads, electric lines	NA
500 m safety zones of nearest habitation villages	NA

**12. Court case details:**

Court Case	No Litigation Pending
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**13. Rehabilitation & Resettlement:**

R&R Details	It is an underground mining project so R&R is not applicable.
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**14. Affidavit/ Undertaking details:**

Affidavit/Undertaking	Affidavit dated 21.07.2021 has been submitted to the Ministry as per MoEF&CC O.M. No. 3-50/2017 -IA. II(M) dated 30.05.2018 to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
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**15. Previous EC compliance and production details:**

<b>Particulars</b>	<b>Letter no. and date</b>
Certified EC compliance report	EC compliance Report has been certified from Regional Office, MoEFCC vide letter no IV/ENV/R/Mine-484/794/2008/814 dated 19.06.2020

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Certified past production	Past Production details (For 1974-2016) have been authenticated by DMG, Udaipur dated 23.04.2005. Past Production details (For 2016-2020) have been authenticated by DMG, Udaipur vide letter no. Kha/Udai/S.No/ ML 3/1989/07 dated 30.0.2020. Past Production details for the year FY 2020-21 have been authenticated by Mining Engineer, Department of Mining and Geology on dated 14.06.2021.
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**16. Details of the EMP budget:**

Activities	Capital Cost (Rs. In Lakhs)	Recurring (Rs. In Lakhs)
Environment Management Plan	Rs. 120 Crore	Rs. 400 Lakh

**17. Details of project cost and employment:**

Particulars	Budget (Rs. In Crore)
Capital Cost for Environment Protection	Rs. 120 Crore
Total Cost for EMP	Rs. 120 Crore
Recurring Cost for EMP	Rs. 400 Lakh
Project Cost	Rs. 1250 Crore
Employment	Total manpower will be 4150. Out of which existing manpower will be 3400 persons and 750 persons will be directly employed. Additional 1000 persons will be directly employed during construction phase

**18. Observation and Recommendation of the Committee:**

During the 35<sup>th</sup> EAC (Non Coal Mining) meeting held during 16<sup>th</sup> to 19<sup>th</sup> August, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee **recommended** the proposal for standard Terms of Reference (ToR) for expansion of Zawar Group of underground Lead- Zinc Mines from 4.8 MTPA to 6.5 MTPA Ore Production with total excavation 7.78 MTPA including Waste rock 1.28 MTPA and Beneficiation from 4.8 MTPA to 7.3 MTPA within ML Area of 3620 ha (ML No.03/89) located at Village Zawar, Tehsil Girwa and Sarada, District Udaipur, Rajasthan by M/s Hindustan Zinc Ltd. for undertaking detailed EIA/EMP study with the following specific conditions:

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- 1) The project proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the public through proper separate budget.
- 2) The project proponent shall allocate separate budget for the concerns of the local people in terms of health care facilities for COVID, betterment of schools nearby and to facilitate the online education system by providing Wi-Fi connectivity and desktops/tablets, infrastructure and environment protection.
- 3) The project proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air and noise pollution.
- 4) The project proponent should submit approved wildlife conservation plan and incorporate the same in the EIA/EMP report.

**DAY 2 - 17.08.2021 (Tuesday)**

**2.1: Proposal for extension of validity of environmental clearance for River Sand Mining Project with production capacity of 2.80 Lakhs TPA; in the mining lease area 10.399 Ha out of ML of 489.39 Ha) of Narrotha Singh Jadaun, located at Village: Revenue, Tehsil & District: Rajsamand (Rajasthan) by M/s Narottam Singh Jadaun [Proposal no: IA/RJ/MIN/222863/2021; File No . J-11015/227/2013-IA-II(M); Consultant: Enkay Enviro Services Pvt. Ltd.] – Validity extension of EC**

**1. EAC Meeting Details:**

EAC meeting	35 <sup>th</sup> EAC Meeting
Date of Meeting	16 <sup>th</sup> to 19 <sup>th</sup> August 2021

**2. Project details:**

Name of the Proposal	Proposal for extension of validity of Environmental Clearance for River Sand Mining Project (Production Capacity 2.80 Lakhs TPA; in 10.399 Ha out of ML of 489.39 Ha)
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Minutes of 35<sup>th</sup> EAC Meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021

Location	Revenue Villages	Nogama, Emri, Bhatoli, Amloi, Mohi, Pipaliacharyan, Barliya, Chhaparkheri, Khatamala, Dhanyala, Ummedpura, Karera, Deviyokamerda and Arawara
	Tehsil/Taluka	Rajsamand
	District	Rajsamand
	State / UT	Rajasthan
	Latitudes	25°00'20.06"N to 25°13'33.7" N
	Longitudes	73°49'26.6" E to 74°00'28.2" E
	SolTopo sheet No.	45G/15, 45G/16, 45K/4 and 45H/13
Company's Name	Narotam Singh Jadaun – LOI Holder	
Accredited Consultant and certificate no.	Enkay Enviro Services Pvt. Ltd., Jaipur. Certificate No. : NABET/EIA/2023/RA 0183 Valid till 12.12.2023	
KML file	Enclosed	
Seismic zone	II	

**3. Category details:**

Category of the project	"A " Category
Provisions	EIA Notification 2006
Mining lease Area	489.39 Ha

**4. Reason for extension of validity:** Previous Environment Clearance was obtained from MoEF&CC, New Delhi vide letter no. J-11015/227/2013-IA-II (M). II dated 04.08.2020 for Production Capacity 2.80 Lakhs TPA; in 10.399 Ha out of ML of 489.39 Ha. The EC was valid for one year only.

**5. Lease Details:**

Granted Prospecting License	Area	489.3965 ha
	PL No.	01/2013
Validity of mine lease	5 years	
Letter of Intent/ Grant of ML & Area	Letter No.	P.10 (2)Khan/Group-2/ 2073
	Date	05.03.2013
	Issued by	Joint Secretary, Department of Mines and Geology, Government of Rajasthan

**6. Observation and Recommendation of the Committee:**

During the 35<sup>th</sup> EAC (Non Coal Mining) meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021, the Member Secretary informed the Committee that due to outbreak of Corona Virus

## Minutes of 35<sup>th</sup> EAC Meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021

(Covid-19) and subsequent lockdowns, Ministry of Environment Forest and Climate Change has issued a Notification S. O. 221 (E) vide dated 18.01.2021 stating;

*“9A. Notwithstanding anything contained in this notification, the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid.”*

The Ministry has received a letter dated 28.07.2021 from the Government of Rajasthan requesting to Ministry for extension of validity of eight Environmental Clearances for sand mining projects as per Ministry’s Notification dated 18.01.2021. Also a letter dated 16.07.2021 has been received from Bajri lease /LOI Holders Welfare Association, Jaipur Rajasthan on the similar issue.

Extension of validity of eight Environmental Clearances for sand mining proposals granted during 1<sup>st</sup> April, 2020 to 31<sup>st</sup> March, 2021 in Rajasthan state are under consideration in the Ministry as per notification dated 18.01.2021. Hence, the Committee **returned the proposal in present form.**

**2.2 Proposal for extension of validity of environmental clearance for River Sand Mining Project with Production Capacity of 2.80 LTPA in the mining lease area of 29.325 Ha out of MLA of 773.27 Ha located at Village Revenue, Tehsil Nathdwara, District Rajsamand, Rajasthan by Himmat Singh Shekhawat – [Proposal no: IA/RJ/MIN/222859/2021; File No. J-11015/211/2013-IA-II(M);Consultant: Enkay Enviro Services Pvt. Ltd.] - Validity extension of EC**

### 1. EAC Meeting Details:

EAC meeting	35 <sup>th</sup> EAC Meeting
Date of Meeting	16 <sup>th</sup> to 19 <sup>th</sup> August 2021

### 2. Project details:

Name of the Proposal	Proposal for extension of validity of Environmental Clearance for River Sand Mining Project (Production Capacity 2.80 Lakhs TPA; in 29.325 Ha out of ML of 773.27 Ha)
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Minutes of 35<sup>th</sup> EAC Meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021

Location	Revenue Villages	Namana, Khedana, KumariyaKheda, Ulpura, Kothariya, Kallakhedi, KarjiyaGhati, Gunjol, Kuncholi, Kunthwa, Bagol, Gudla (Dhanyla), Dhanyla, PaneriyokiMadri, JoshiyokiMadri, Tantol, Sarsuniya, Khamnor, Molela, Khedi, Dabun, Saloda, Karai, Sema, ChotaBhanuja and BadaBhanuja
	Tehsil/Taluka	Nathdwara
	District	Rajsamand
	State / UT	Rajasthan
	Latitudes	24°54'48.6"N to 25°01'12.9"N
	Longitudes	73°37'18.9"E to 73°56'09.7"E
	SoI Topo sheet No.	45H/9, 45H/13, 45G/12 and 45G/16
Company's Name	Himmat Singh Shekhawat	
Accredited Consultant and certificate no.	Enkay Enviro Services Pvt. Ltd., Jaipur. Certificate No. : NABET/EIA/2023/RA 0183 Valid till 12.12.2023	
KML file	Submitted	
Seismic zone	II	

**3. Category details:**

Category of the project	"A " Category
Provisions	EIA Notification 2006
Mining lease Area (MLA)	773.2797 Ha

**4. Reason for extension of validity:** Previous Environment Clearance was obtained from MoEF&CC, New Delhi vide letter no. J-11015/211/2013-IA-II (M). II dated 04.08.2020 for Production Capacity for Production Capacity 2.80 Lakhs TPA; in 29.325 Ha out of ML of 773.27 Ha. The validity of EC is for one year only.

**5. Lease Details:**

Granted Prospecting License	Area	773.2797 ha
	PL No.	01/2013
Validity of mine lease	5 years	
Letter of Intent/ Grant of ML & Area	Letter No.	P10 (3) Mine/Group-2/2013
	Date	05.03.2013
	Issued by	Joint Secretary, Mines Department, Government of Rajasthan



**6. Observation and Recommendation of the Committee:**

During the 35<sup>th</sup> EAC (Non Coal Mining) meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021, the Member Secretary informed the Committee that due to outbreak of Corona Virus(Covid-19) and subsequent lockdowns, Ministry of Environment Forest and Climate Change has issued a Notification S. O. 221 (E) vide dated 18.01.2021 stating;

*“9A. Notwithstanding anything contained in this notification, the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid.”*

The Ministry has received a letter dated 28.07.2021 from the Government of Rajasthan requesting to Ministry for extension of validity of eight Environmental Clearances for sand mining projects as per Ministry’s Notification dated 18.01.2021. Also a letter dated 16.07.2021 has been received from Bajri lease /LOI Holders Welfare Association, Jaipur Rajasthan on the similar issue.

Extension of validity of eight Environmental Clearances for sand mining proposals granted during 1<sup>st</sup> April, 2020 to 31<sup>st</sup> March, 2021 in Rajasthan state are under consideration in the Ministry as per notification dated 18.01.2021. Hence, the Committee **returned the proposal in present form.**

**2.3 Proposal for extension in validity in Environmental Clearance for River bed mining project from River Banas with production capacity of 3.624 MTPA of Sand/Bajri from Mining lease area of 246.638 Ha out of Mining Lease area of 1667.78 Ha located at village Amlı, Banthali, Jalseena, Jalerı, Jagatya, Nandpura, Rajmahal, Satwara, Santhali , Tehsil Deoli and District Tonk, Rajasthan by M/s S.R. Associates – [Proposal no: IA/RJ/MIN/222435/2021; File No. J-11015/208/2013-IA.II (M)] - Validity extension of EC**

**1. EAC Meeting Details:**

EAC meeting/s	35 <sup>th</sup> EAC Meeting
Date of Meeting/s	16 <sup>th</sup> to 19 <sup>th</sup> August 2021

**2. Project details:**

Minutes of 35<sup>th</sup> EAC Meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021

Name of the Proposal	Proposal for extension of validity of Environmental Clearance for River bed Mining Project from river Banas with production capacity of 3.624 MTPA of sand/Bajari from mining lease area of 246.638 ha out of mining lease area of 1667.78 ha	
Location	Revenue Villages	Amlı, Banthali, Jalseena, Jalerı, Jagatya, Nandpura, Rajmahal, Satwara, Santhali
	Tehsil/Taluka	Deoli
	District	Tonk
	State / UT	Rajasthan
	Latitudes	25°52'13.66" N to 25°59'19.75" N
	Longitudes	75°28'03.6" E to 75°38'51.6" E
	SolTopo sheet No.	45 N/8, 45 N/12, 45O/5, 45O/9
Company's Name	M/s S.R Associates	
Accredited Consultant and certificate no.	Enkay Enviro Services Pvt. Ltd., Jaipur. Certificate No. : NABET/EIA/2023/RA 0183 Valid till 12.12.2023	
KML file	Submitted	
Seismic zone	II	

**3. Category details:**

Category of the project	"A " Category
Provisions	EIA Notification 2006
Mining lease Area (MLA)	1667.78 Ha

**4. Reason for extension of validity:** Previous Environment Clearance was obtained from MoEF&CC, New Delhi vide letter no. J-11015/208/2013-IA-II (M). II dated 27. 08. 2020 for Production Capacity for Production Capacity 3.624 Lakhs TPA; in 246.638 Ha out of ML of 1667.78 Ha. The EC validity is one year only.

**5. Lease Details:**

Granted Prospecting License	Area	1667.78 ha
	Execution date	Nil
	PL No.	Nil
Validity of mine lease	5 years	
Letter of Intent/ Grant of ML & Area	Letter No.	P6(4)Mine/Group-2/2013
	Date	26.02.2013

**6. Observation and Recommendation of the Committee:**

During the 35<sup>th</sup> EAC (Non Coal Mining) meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021, the Member Secretary informed the Committee that due to outbreak of Corona Virus(Covid-19) and subsequent lockdowns, Ministry of Environment Forest and Climate Change has issued a Notification S. O. 221 (E) vide dated 18.01.2021 stating;

*“9A. Notwithstanding anything contained in this notification, the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid.”*

The Ministry has received a letter dated 28.07.2021 from the Government of Rajasthan requesting to Ministry for extension of validity of eight Environmental Clearances for sand mining projects as per Ministry’s Notification dated 18.01.2021. Also a letter dated 16.07.2021 has been received from Bajri lease /LOI Holders Welfare Association, Jaipur Rajasthan on the similar issue.

Extension of validity of eight Environmental Clearances for sand mining proposals granted during 1<sup>st</sup> April, 2020 to 31<sup>st</sup> March, 2021 in Rajasthan state are under consideration in the Ministry as per notification dated 18.01.2021. Hence, the Committee **returned the proposal in present form.**

**2.4 Proposal for Terms of reference (ToR) under Gazette Notification S.O 1530(E) dated 06.04.2018 for Dholipatti Limestone Mine with production capacity- 1.40 MTPA and Waste 1.68 MTPA i.e total excavation – 3.08 MTPA in the mining lease area of 138.785 halocated at Villages Dholipatti, Palayam&Karikkali, Taluk Guziliamparai, District Dindigul, State Tamil Nadu [Proposal no: IA/TN/MIN/222464/2021; File No. J-11015/18/2019-IA-II(M)] - ToR**

**1. EAC Meeting Details:**

EAC meeting	35th EAC meeting
Date of Meeting	16 <sup>th</sup> to 19 <sup>th</sup> August 2021

**2. Project details:**

Minutes of 35<sup>th</sup> EAC Meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021

Name of the Proposal	Dholipatti Limestone Mine (ML Area- 138.785 ha) with existing Limestone Production capacity- 1.40 MTPA and Waste 1.68 MTPA (Total Excavation – 3.08 MTPA) - Validation of EC under Gazette Notification S.O 1530(E) dated 06.04.2014	
Location	Village	Dholipatti, Palayam&Karikkali,
	Tehsil/Taluka	Guziliamparai
	District	Dindigul
	State / UT	Tamil Nadu
	Latitudes	10°42'22.1" to 10°43'52.4"
	Longitudes	78°06'16.5" to 78°07'25.6"
	SoilTopo sheet No.	58 J/2
Company's Name	M/s. Chettinad Cement Corporation Ltd	
Accredited Consultant and certificate no.	J.M. EnviroNet Pvt. Ltd. Certificate no. NABET/EIA/2023/RA 0186	
KML file	Submitted	
Seismic zone	Zone – II	

**3. Category details:**

Category of the project	Category "A".
Provisions	EIA Notification dated 14th September, 2006
Mining lease Area	138.785 Ha

**4. ToR/EC Details:**

ToR Proposal No.	IA/TN/MIN/222464/2021
Online application date for Form-I	31.07.2021
Documents Submitted	Form I, PFR, Approved Mining Plan, Annexure III, Brief Summary, Proposed ToR, Affidavit
EAC meeting date	17.08.2021
Production capacity	Limestone: 1.40 MTPA
Soil	Nil
Waste	1.68 MTPA
Total Excavation	3.08 MTPA
Previous EC details	EC obtained for Limestone production capacity i.e. 1.4 million TPA production capacity from MoEFCC vide letter no. J-11015/27/2000- IA.II(M) dated 19.03.2001
Date of earlier EAC meetings	31 <sup>st</sup> EAC meeting held on 11.06.2021 for Revalidation of existing EC under S.O. 1530 (E) as per EIA Notification 2006

**5. Lease Details:**

Minutes of 35<sup>th</sup> EAC Meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021

Granted mine lease by Govt. of Tamil Nadu	Area	138.785 Ha
	Letter no.	G.O (Ms). No. 23 Industries (D2) Dept
	Date	09.01.1989 for a period of 20 years
Validity of mine lease	28.02.2039	
Additional information	The mining lease was valid from 01.03.1989 to 28.02.2009. The Company had submitted the First Renewal Application on 07.01.2008 and the Mine is in Deemed Extension till 30.01.2018. As per the Mines and Minerals (Development and Regulation) (MMDR) Amendment Act 2015, the period of the lease will be valid upto 28.02.2039 i.e. for a period of 50 years from the date of Initial Grant and the new GO (Ms) No. 39 dated 09.04.2018 has been granted to CCCPL.	

**6. Observation and Recommendation of the Committee:**

During the 35<sup>th</sup> EAC (Non Coal Mining) meeting held during 16<sup>th</sup> to 19<sup>th</sup> August, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the proposal was considered in the 31<sup>st</sup> EAC meeting held during 9<sup>th</sup> to 15<sup>th</sup> June 2021 wherein it was noticed that the proposal cannot be considered under the provision of Notification S.O. 1530 (E) dated 6<sup>th</sup> April 2018 since PP did not apply within the time frame provided. Again PP had applied under the provision of Notification S.O. 1530 (E) dated 6<sup>th</sup> April 2018. Therefore, the project proponent had been advised to wait for the decision on the policy matter from the Ministry. The Ministry may seek opinion from the competent authority. Hence, the Committee **returned the proposal in present form.**

**2.5 Proposal for Terms of Reference (ToR) with the production capacity of mineral Marble from 85000 TPA to 8,86,490 TPA (ROM-1477470 TPA) in the mining lease area of 466.3832 ha (M. L. No. 13/1998) located at Daira Rampura, Tehsil-Khandela, District- Sikar, Rajasthan by Shri Ganesh Kumar Agarwal - [Proposal No: IA/RJ/MIN/178208/2020; File No. J-11015/788/2007-IA.II (M)] – ToR**

**1. EAC Meeting Details:**

EAC meeting	35 <sup>th</sup> EAC Agenda
Date of Meeting	16 <sup>th</sup> to 19 <sup>th</sup> August 2021

**2. Project details:**

Minutes of 35<sup>th</sup> EAC Meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021

Name of the Proposal	Daira Rampura Marble Mine (M. L. No. 13/1998, Area: 466.3832 hectare) with the production capacity of mineral Marble from 85000 TPA to 8,86,490 TPA (ROM-1477470 TPA)	
Location	Village	DairaRampura
	Tehsil/Taluka	Khandela
	District	Sikar
	State / UT	Rajasthan
	Latitudes	27° 36' 6.53" to 27° 37' 29" N
	Longitudes	75° 30' 59.6" to 75° 32' 57.29" E
	Sol Topo sheet No.	45 M/10.
Company's Name	Sh. Ganesh Kumar Agarwal	
Accredited Consultant and certificate no.	M/s. Enviro Green Consultants (I) Pvt. Ltd. NABET/EIA/1922/RA 0185, valid up to 08-06-2022	
KML file	Submitted	
Seismic zone	Seismic zone II	

**3. Category details:**

Category of the project	A category
Provisions	EIA Notification 2006
Mining lease Area	466.3832 Ha

**4. ToR/EC Details:**

ToR Proposal No.	Proposal No: IA/RJ/MIN/178208/2020
Online application date for Form-I	29.07.2021
Documents Submitted	Form I, PFR, Lease Documents in chronological order, Forest NOC letters, Certified EC Compliance, Approved Mining Scheme with plates, Annexure III with Authenticated Production Figure, Aravalli NOC, District Survey Report, Reply of EDS sought, Topo Map etc.
Production capacity	1477470 TPA (ROM) (886490 TPA of mineral Marble (443240 TPA: Marble Blocks; 443250 TPA: Marble Khanda)
Waste	Maximum 590980 TPA overburden is proposed to be generated during the plan period. 11760104 Tonnes of OB/ Waste is proposed up to the conceptual stage.
Total Excavation	Maximum excavation of 1477470 TPA (ROM) is proposed.

Previous EC details	Environment Clearance was obtained from MOEF&CC vide letter no. J-11015/788/2007-IA.II (M) dated 03.02.2009.
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**5. Lease Details:**

Granted Mine Lease	Area	466.3832 Ha
	In favor of	Sh. Ganesh Kumar Agarwal S/o Mohan Lal Agarwal
	Granted by	Directorate Mines & Geology
	Letter no. of LOI	निदे/ प (2) ए (50) जय/ सा. ख/72/1188
	Date	27.10.1973
Validity of mine lease	14.04.2029	

**6. Observation and Recommendation of the Committee:**

During the 35<sup>th</sup> EAC (Non Coal Mining) meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee observed that PP during the presentation submitted no blasting will be done but the approved mining plan mentioned blasting activities. The EAC also observed that working is not as per the DGMS guidelines. Therefore, the Committee **deferred** the proposal for want of following information:

- 1) The working in existing mine for the current production i.e. 85000 TPA is not as per the DGMS guidelines. The project proponent needs to submit the certificate from DGMS clarifying the same.
- 2) The project proponent needs to submit the revised approved mining plan as the existing mining plan mentioned blasting, which will not be done, as per submissions made by project proponent during the meeting.
- 3) The project proponent is proposing or open to only one pit for producing Marble@ 8,86,490 TPA whereas currently 85000 TPA of Marble is being excavated from three pits which is also not as per the DGMS guidelines. The project proponent needs to submit a detailed note on how mining will be done from one pit as per the DGMS guidelines.

**2.6 Proposal for Terms of Reference (ToR) with the production capacity of 3,06,065 TPA of Guguldoh Manganese Ore Block in the Mining lease area of 105 ha located at Village Manegaon, TahsilRamtek, District Nagpur, Maharashtra by**

**M/s Shanti G.D. Ispat& Power Pvt. Limited - [Proposal No: IA/MH/MIN/222185/2021; File No. J-11015/58/2021-IA.II (M)] – ToR**

**1. EAC Meeting Details:**

EAC meeting	35 <sup>th</sup> EAC meeting
Date of Meeting	16 <sup>th</sup> to 19 <sup>th</sup> August 2021

**2. Project details:**

Name of the Proposal	Guguldoh Manganese Ore Block (ML Area 105 Ha) with the production capacity of 3,06,065 TPA	
Location	Village	Guguldoh – Manegaon
	Tehsil/Taluka	Ramtek
	District	Nagpur
	State / UT	Maharashtra
	Latitudes	21°25'53.06" to 21°26'19.36"N
	Longitudes	79°24'04.29" to 79°25'31.55" E
	SolTopo sheet No.	55 O/7
Company's Name	M/s Shanti G.D. Ispat& Power Pvt. Ltd.	
Accredited Consultant and certificate no.	Pollution & Ecology Control Services  NABET/EIA/1720/RA0101	
KML file	Submitted	
Seismic zone	Zone –II	

**3. Category details:**

Category of the project	A category - Major Minerals (Manganese Ore)
Provisions	EIA Notification 2006
Mining lease Area	105 Ha.



Minutes of 35<sup>th</sup> EAC Meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021

Additional information	<ol style="list-style-type: none"> <li>1. Application for the Forest Clearance under Forest Conservation Act 1980, was submitted on 3.10.2019 as the mining area involving 99.95 Ha. of forest land and approval is under process.</li> <li>2. Application for clearance under wildlife protection act 1972 was submitted on 28.05.2021 and approval is under process.</li> <li>3. CGWA NOC has been obtained vide letter no. CGWA/NOC/MIN/ORG/2021/9934 dated 11/01/2021 for extraction of Ground Water 9.5 KLD.</li> </ol>
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**4. ToR/EC Details:**

ToR Proposal No.	IA/MH/MIN/222185/2021
Online application date for Form-I	30 <sup>th</sup> July 2021
Documents Submitted	Form-1, PFR, Approved Mining Plan, Additional Doc- FC Application, CGWA NOC, Govt. Policy.
EAC meeting date	17 <sup>th</sup> August, 2021
Production capacity	Peak Production 306065 TPA
Soil	Peak Soil Generation : 85211 TPA
Waste	Peak OB Generation : 6482875 TPA
Total Excavation	68,74,151 TPA at Peak production
Date of earlier EAC meetings	14 <sup>th</sup> EAC Meeting 26 <sup>th</sup> February 2020

**5. Lease Details:**

Application for the Mining lease area	105 Ha.	
Validity of mine lease	50 Years	
Letter of Intent	Letter No.	MMN-0518/C.R.30/industry-9
	Date	05.06.2018

**6. Observation and Recommendation of the Committee:**

During the 35<sup>th</sup> EAC (Non Coal Mining) meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee observed that Mansinghdeo Wildlife Sanctuary is about 8.9 Km away from the mine site and as per ESZ Notification S.O. 3029 (E) dated 13.09.2017, the extent of ESZ is 9.5 km, so, the mine site falls under ESZ. The Committee was of the view that the proposal can only be considered if the mine lease is minimum 1 km away from the

Minutes of 35<sup>th</sup> EAC Meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021

ESZ boundary and does not falls under ESZ. Therefore, the Committee **deferred** the proposal for want of the following information:

- 1) The mine lease area (latitude: 21°25'53.06" to 21°26'19.36"N & Longitude: 79°24'04.29" to 79°25'31.55"E) falls under Manegaon village and as per ESZ notification, the village Manegaon (latitude: 21° 41' 03.397"N & longitude: 79° 25' 00.047" E) in the Tehsil: Ramtek falls under ESZ. The project proponent needs to submit the certificate from the competent authority that mine site does not falls under ESZ.
- 2) The project proponent needs to submit the occupational health impacts due to excavation and handling of Manganese.

**2.7 Proposal for Amendment in existing Environmental Clearance granted on 22.09.2014 by MoEF&CC w.r.t Change in mine area from 512.354 ha (602.054 ha - 89.70 ha) to executed ML area 519 ha for existing limestone mine with production capacity of 3.0 MTPA (ROM) located at Villages: Itagi&Mogla, Taluka: Chittapur, Distt.: Kalaburagi, Karnataka in favour of M/s. Orient Cement Limited - [Proposal No: IA/KA/MIN/214419/2021; File No. J-11015/60/2011-IA-II (M)] - Amendment in EC**

**1. EAC Meeting Details:**

EAC meeting	35th EAC
Date of Meeting	16 <sup>th</sup> to 19 <sup>th</sup> August, 2021

**2. Project details:**

Name of the Project	Amendment in Existing Environmental Clearance granted on 22 <sup>th</sup> September, 2014 by MoEF&CC w.r.t Change in mine area from 512.354 ha (602.054 ha - 89.70 ha) to Executed ML area 519 ha for existing Limestone Mine with Production Capacity of 3.0 MTPA (ROM)	
Location	Villages	Itagi&Mogla
	Taluka	Chittapur
	District	Kalaburagi
	State / UT	Karnataka
	Latitudes	17 <sup>0</sup> 06'41.03880" N to 17 <sup>0</sup> 08'10.57568" N
	Longitudes	77 <sup>0</sup> 07'35.07929" E to 77 <sup>0</sup> 09'13.0.5734" E
	Gol Topo sheet No.	56 G/4
Company Name	M/s. Orient Cement Limited.	

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Accredited Consultant Organisation and its certificate no.	J.M. EnviroNet Pvt. Ltd. Certificate No: NABET/EIA/2023/RA 0186, dated 17.12.2020 & valid up to 07.02.2023
KML file	KML file has been submitted
Seismic zone	3

**3. Category details:**

Category of the project	Category "A" - Project or Activity 1(a)
Provisions	EIA Notification 2006
Mining lease Area	519 ha

**4. ToR Details:**

ToR Proposal No.	IA/KA/MIN/214419/2021
Online application date for Form-I	14.06.2021 (For Amendment in EC)
Documents Submitted	Form 4, Copy of Existing EC and CTO, Approved Mining Plan, Addendum Report, Layout plan, Authorization, Technical presentation, ADS Reply
EAC meeting date	17.08.2021
Production capacity	3.0 million TPA
Soil	0.021 million TPA
Waste	0.051 million TPA
Total Excavation	3.072 million TPA
Previous EC details	Environment Clearance for 3.0 million TPA limestone production capacity over an area of 512.354 Ha out of applied ML/LOI area of 602.054 Ha (excluding one non mineable Pit – 3) was granted by MoEFCC vide letter no J-11015/60/2011-IA.II(M) dated 22.09.2014.
Date of earlier EAC meetings	33rd EAC Meeting on 13.07.2021

**5. Lease Details:**

State Government granted Prospecting License	Area	853 ha
	Execution date	08.04.2009
	PL No.	3369
Prospecting operation, Commence date	08.04.2009	
Application for the Mining lease area and Date	Application was submitted to Director Mines & Geology, Bangalore for grant of mining lease over an area of 602.054 Ha vide application dated 18.12.2010.	
Validity of mine lease	30.07.2065	
Letter of Intent	Letter No.	DMG:MLS:1682 AML 2010:11-12/13290

	Date	08.02.2012
Additional information	<ul style="list-style-type: none"> <li><input type="checkbox"/> Mining lease was granted by State Govt over an area of 522.05 ha for a period of 50 years vide their letter no DMG/MLS/1682AML2010/2015-16 dated 04.07.2015.</li> <li><input type="checkbox"/> Corrigendum was issued by State Govt for correction in ML area from 522.05 ha to 519 ha vide their letter no DMG/MLS/1682AML2010/2015-16 dated 31.07.2015.</li> <li><input type="checkbox"/> Mining lease was executed for 519 ha out of total applied ML area of 602.054 ha on 31.07.2015 vide lease Deed No 2681 for a period of 50 Years effective from 31/07/2015.</li> <li><input type="checkbox"/> Orient cement approached to State Govt to regularize the extent of Mining lease in line with EC on 14.06.2019.</li> <li><input type="checkbox"/> Letter addressed to MoEFCC by Govt of Karnataka vide their letter dated 31.07.2019. As per Letter "As per the Amended Provisions of MMDR Act, 2015 the mining lease shall be on auction basis and as per MoAHCEM Rules, 2016 there is no provision to reduce/part surrender of the mining lease area and In the light of above mentioned facts and circumstances, I am directed to request Ministry of Environment, Forest and climate change that EC may be revised to 519 ha as per granted area under the mining lease with a condition that no mining activity shall be carried out in Pit 3 area unless M/s OCL comply with other conditions of the EC."</li> </ul>	

**6. Observation of the Committee:**

The Committee observed that the table/information presented by project proponent was not cleared. The Committee therefore during EAC meeting asked the project proponent to submit the revised table. The project proponent submitted the revised table vide letter dated 17.08.2021, which is as follows:

S. No	Pit No.	Area (Ha)			
		Applied in EC (as per	as per executed	As per granted	As per present

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		LOI)	ML	EC	proposal
1.	Pit No.1	238.8	197.5	238.8	197.5
2.	Pit No.2	42.1	10.51	42.1	10.51
3.	Pit No.3	89.7	44.62	-	-
4.	Allied activities & Undisturbed Area	231.454	266.37	231.454	310.99
	<b>TOTAL</b>	602.054	519	512.354	519

- 41.3 ha area in pit 1 has been reduced in lease execution due to increase in village safety zone from 300 m to 500 m and increase in nala safety zone from 15 m to 50 m.
- 31.59 ha area in pit 2 has been reduced in lease execution due to increase in nala safety zone from 15 m to 50 m.
- At present mining is being carried out in pit 1 only with 36.91 ha area under operation.
- The part area of pit 3 i.e. 44.62 ha out of 89.70 ha (which was included in lease deed executed by State Govt. on 31.07.2015) has been considered under allied activity and undisturbed area and mining activity in this 44.62 ha included in the mining lease will be initiated only after taking necessary approval from MoEF&CC in due course, as stated in the original EC.

In the same context, the company undertakes the following:

- Mining operations will be restricted to pit 1 and pit 2 area only as per the existing EC.
- Mining in pit 3 will not be done in line with existing EC.
- Company will also abide with all other terms and conditions mentioned in existing EC dated 22.09.2014.

## 7. Recommendation of the Committee:

During the 35<sup>th</sup> EAC (Non Coal Mining) meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee examined the revised data submitted by the project proponent and then observed that the mining area of pit-1, pit-2, pit-3 and non-mining area as per approved mining plan does not match with the information submitted by project proponent. It appears to be reduction in the pit area for both pit-1 and pit-2. The project proponent is advised to submit the modified mining plan as per the revised submission made before the EAC. Therefore, the Committee **deferred** the proposal.

### **Day 3 (18.08.2021) - Wednesday**

#### **3.1 Proposal for Environmental Clearance of M/s Jaykaycem (Central) Limited for Koni-Simariya Limestone Block with total excavation of 9.05 Million TPA**

**(Lime Stone: 5.08 MTPA; Soil: 2.94 MTPA and OB: 1.03 MTPA) with Crusher capacity - 1800 TPH in the mine lease area of 3095.23ha, located at Village(s) - Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa, Tehsil Simariya, District Panna, Madhya Pradesh – [File No: J-11015/80/2020/IA.II(M), Proposal No: IA/MP/MIN/220904/2020, Consultant: Enkay Enviro Services Pvt. Ltd] – Environmental Clearance (EC)**

**EAC Meeting Details:**

EAC meeting	35 <sup>th</sup>
Date of Meeting	16 <sup>th</sup> – 19 <sup>th</sup> August, 2021

The proposal of M/s Jaykaycem (Central) Limited is for grant of Environmental Clearance for Koni–Simariya Limestone Block with total excavation of 9.05 Million TPA (Lime Stone: 5.08 MTPA; Soil: 2.94 MTPA and OB: 1.03 MTPA) with Crusher capacity - 1800 TPH in the mine lease area of 3095.23ha, located at Village(s) - Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa, Tehsil Simariya, District Panna, Madhya Pradesh. The mine lease area is located between Latitude 24°16'11.6"N to 24°20'28.23"N and Longitude 79°50'14.88"E to 79°57'11.25"E. The mine lease area falls under the Survey of India Toposheet No 54P/11, 54P/12, 54P/15, 54P/16, 63D/3 & 63D/4 and falls in Seismic zone-II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/ DSS.

2. M/s Jaykaycem (Central) Limited has made an online application vide proposal no: IA/MP/MIN/220904/2020 dated 20.07.2021 and submitted Form2 and EIA report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. The details of the Terms of References (TOR) are furnished as below:

Date of application	Proposal No	Consideration	Details	Date of accord
24.12.2020	IA/MP/MIN/189768/2020	11 <sup>th</sup> -13 <sup>th</sup> Jan, 2021 & 24 <sup>th</sup> - 26 <sup>th</sup> Feb, 2021	Total excavation of 9.05 Million TPA (Lime Stone: 5.08 MTPA; Soil: 2.94 MTPA and OB: 1.03 MTPA) with crusher capacity of 1800 TPH in the mine lease area of 3095.23 Ha	23.03.2021

**4. Details of Mine lease:**

Minutes of 35<sup>th</sup> EAC Meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021

S.no	Prospecting License/Lol/Lease Grant order	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Prospecting License vide Lr F-2-24/09/12/1	15.03.2010	Limestone	11.06.2010 – 10.06.2010 (2 years)	Govt., of Madhya Pradesh	5150.00
2	Letter of Intent vide Lr No F-3-5/201.7/12/1	17.11.2017	Limestone	50 years	Govt., of Madhya Pradesh	3095.23
3	Grant of Mining lease vide Lr F3-5/2017/12/1	23.11.2020	Limestone	50 years	Govt., of Madhya Pradesh	3095.23

**5. Details of executed Mine leases.**

S.no	Date of grant of Lease execution	Period of Grant		Details
		From	To	
1	Date of entering into original lease deed.	02.12.2020	01.12.2070	MP283052020A1802711

**6. Details of Mine Plan**

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	For a period	Details
1	Mining Plan with Progressive Mine Closure Plan approved by Indian Bureau of Mines	MP/PANNA/LIME STONE/MPLN/G06/2020-21	01.10.2020	5 years	Limestone, 3095.23 ha

**7. Observation and Recommendation of the Committee:**

The proposal for Environmental Clearance (EC) was placed in the 35<sup>th</sup> EAC (Non-Coal Mining) meeting held during 16<sup>th</sup> – 19<sup>th</sup> August, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the Project Proponent failed to quantify the impact due to mining operation and also the R&R plan submitted and abstract presented during the meeting was not satisfactory,

therefore the Committee **deferred** the proposal for want of following additional information: -

- i. The Project Proponent needs to submit the data calculation for the anticipated noise generation at the source for excavation, crushing and the impact of the noise and ground vibration at the direction of the school with and without EMP. The EMP should be prepared in such a way that the entire noise and ground vibration should not reach to the school and other infrastructure. The impact of entire noise and ground vibration of the crusher should be confined within the 100m around crusher as shown in the presentation.
- ii. The Project Proponent should place and submit the details of blast monitoring locations all along the village boundary and school with the distance. PP should also submit the safety measures to be taken for protection of schools nearby and fix the transportation and blasting timings other than the regular in/out timings of the school.
- iii. The Project Proponent needs to submit the revised R&R plan covering all the components viz. number of Project Affected Families (PAF) and details of the land owned by them, break up of total compensation to be paid including method of calculation including the sources/references adopted and mode of payment etc. PP need to submit the plan for Socio economic development of the neighbourhood habitats based on the need based survey along with the time bound action plan.
- iv. The Project Proponent presented that they will acquire land as and when required. The Committee noted that since the acquisition is progressive, PP needs to submit the detailed note on progressive closure and progressive return of the land for use of agriculture or creation of water body or for plantation for the entire life of mine. PP should also explore the possibility of developing grazing land for cattle's and creation of water bodies progressively for sports facility in the region.
- v. The Committee noted that during first five year plan period, the area of total excavation will be 57.6507 ha. Hence, the Project Proponent needs to submit a note on the closure plan for the working pit before switching to other mining area for next 5 years in a phased manner.
- vi. The Committee noted that the total soil and alluvium generation is 2.94 MTPA. Hence, the Project Proponent needs to submit the quantity of topsoil up to 25cm and alluvium up to the depth of 5.8m with its utilization and management practices.



- vii. The Committee noted that though the PP mentioned that area around the crusher will be moistured, PP needs to provide the details of (-)6mm rejects before handling and backfilling at the source.
- viii. The Project Proponent should submit the detailed time bound budgetary plan for plantation 31.37ha proposed to be covered during the first five year plan period separately and rest of the mine life also.
- ix. The Project Proponent needs to submit the protection measures to be taken for the voids created from the view point of safety of the villagers as well as commitment that the no road network shall be disturbed during the operating period of mine.
- x. As the mining lease is surrounded by three rivers (Ken River - 0.06km, E, Bearma River - 0.10km, W and Sonar Nadi – 0.22km, NNW), the Project Proponent needs to submit the impact of operation of mine envisaged in the surface water body. PP should also give commitment that the course of surface water body will not change during the operating period of mine.
- xi. Project Proponent needs to revise budgetary plan proposed for Wildlife Conservation Plan.
- xii. The Committee noted that the Project Proponent committed the following during the presentation and undertaking for the same needs to be submitted by the PP as mentioned below.
  - a. Transportation by road will be done for first year only and then by Over Land Belt Conveyor.
  - b. Location of the crusher will be fixed near Bodla village.
  - c. The capacity of the truck will be reduced from 55T to 30T.
  - d. Dimension of the community center proposed for construction as per public hearing recommendation in 10 villages shall be revised to 25ft x 30ft x11 ft.
- xiii. The Project Proponent needs to submit the certified baseline test reports by accredited NABL/MoEF&CC recognized laboratory.

**3.2 Proposal for Terms of Reference of M/s. UltraTech Cement Limited for Guruvanipalli Limestone Mine for expansion in Production Capacity of Limestone from 0.30 Million TPA to 4.00 Million TPA, Topsoil: 0.31 Million TPA (Total Excavation: 4.31 Million TPA) in the mine lease area of 395.15 ha, located at Village Guruvanipalli (Revenue Village: Petnikota), Taluka- Kolimigundla, District- Kurnool, Andhra Pradesh - [File No: IA-J-11015/56/2021-IA-II(NCM), Proposal No:**

**IA/AP/MIN/210275/2021, Consultant: J.M. EnviroNet Pvt. Ltd.] - Terms of Reference (ToR)**

**EAC Meeting Details:**

EAC meeting	35 <sup>th</sup>
Date of Meeting	16 <sup>th</sup> – 19 <sup>th</sup> August, 2021

The proposal of M/s. UltraTech Cement Limited is for grant of Terms of Reference for Guruvanipalli Limestone Mine for expansion in Production Capacity of Limestone from 0.30 Million TPA to 4.00 Million TPA, Topsoil: 0.31 Million TPA (Total Excavation: 4.31 Million TPA) in the mine lease area of 395.15 ha, located at Village Guruvanipalli (Revenue Village: Petnikota), Taluka- Kolimigundla, District- Kurnool, Andhra Pradesh. The mine lease area is located between Latitude 15°03'19.99661" N to 15°05'36.79473" N and Longitude 78°00'16.63709" E to 78°01'55.11414" E. The mine lease area falls under the Survey of India Toposheet No: D43F16, D43L13, D44A4 and 57 J/1 and falls in Seismic Zone – II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/ DSS.

2. M/s. UltraTech Cement Limited has made an online application vide proposal no: IA/AP/MIN/210275/2021 dated 26.04.2021 and submitted Form1 and Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category “A” of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100ha and appraised at Central level.

3. The Project Proponent initially obtained Environmental Clearance vide Lr No J-11015/212/2008-IA.II(M) dated 01.07.2009 for a production of 0.30 MTPA in the mine lease area of 395.15ha in favour of M/s. UltraTech Cement Limited.

**4. Details of Mine lease:**

S.no	Lol/Lease Grant order	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Initial Grant of Mining lease in favour of M/s Dakshin Cement Limited vide G.O. Ms. No.149, Inds. & Com (M.III) Dept.,	30.09.1995	Limestone	02.01.1997 – 01.01.2017 (20 years)	Govt., of Andhra Pradesh	395.15
2	Transfer of Mining lease held by M/s	16.04.2012	Limestone	for the unexpired	Govt., of Andhra	395.15

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	Dakshin Cement Limited to M/s. UltraTech Cement Limited vide G.O. Ms.No.80, Inds. & Com (M-I) Dept.,			portion of the mining lease period i.e., upto 01.01.2017	Pradesh	
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**5. Details of executed Mine leases.**

S.no	Date of grant of Lease execution	Period of Grant		Details
		From	To	
1	Date of entering into original lease deed.	02.01.1997	01.01.2017	Proceedings No. 5634/M4/95 dated 02.01.1997 in favour of M/s Dakshin Cement Limited
2	Transfer of mining lease deed	11.07.2012	01.01.2017	Affidavit bearing AK 772376 in favour of M/s. UltraTech Cement Limited
3	Supplementary lease deed	15.03.2019	01.01.2047	Affidavit bearing CH 337737

**6. Details of Mine Plan**

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	For a period	Details
1	Modified Mining Plan (including Progressive Mine Closure Plan) approved by Indian Bureau of Mines	AP/KNL/MP/LST22/HYD dated 04.02.2021	04.02.2021	2021-22 to 2025-26	Limestone, 395.15 Ha

**7. Observation and Recommendation of the Committee:**

The proposal of Terms of Reference (ToR) was placed in the 35<sup>th</sup> EAC (Non-Coal Mining) meeting held during 16<sup>th</sup> – 19<sup>th</sup> August, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee after viewing KML file noted that the Project Proponent has not complied the earlier EC conditions in terms of plantation, as per the IRO certified Compliance report dated 22.07.2021 the survival

rate is 80% and the production achieved till date only 15% of existing EC capacity. The first five year mining plan also shows that the proposed production for first three year is within the existing EC capacity of 0.30 MTPA. Hence, the Committee was of the view that the proposal for expansion in production capacity will not be considered till the plantation as per earlier EC dated 01.07.2009 is complied with the survival rate at least 90% with adequate gap plantation and 75% of the existing production capacity is achieved. The Committee therefore **returned the proposal in present form.**

**3.3 Proposal for Terms of Reference of M/s. Sree Jayajothi Cements Private Limited (SJCPL) for Captive Limestone Mine with total excavation of 0.60 MTPA (Limestone: 0.60 MTPA & Top Soil/OB: Nil)] in the mine lease area of 131.568 Ha, located at Villages Erragudi, Hussainapuram & Yanakandla, Mandal Banaganapalli, District Kurnool, Andhra Pradesh – [File No: IA-J-11015/59/2021-IA-II(NCM), Proposal No: IA/AP/MIN/220795/2021, Consultant: B.S. Envi – Tech Pvt. Ltd] - Terms of Reference (ToR)**

**EAC Meeting Details:**

EAC meeting	35 <sup>th</sup>
Date of Meeting	16 <sup>th</sup> – 19 <sup>th</sup> August, 2021

The proposal of M/s. Sree Jayajothi Cements Private Limited (SJCPL) is for grant of Terms of Reference for Erragudi-Hussainapuram-Yanakandla Limestone (Auction Block) of Captive Limestone mine with total excavation of 0.60 MTPA (Limestone: 0.60 MTPA & Top Soil/OB: Nil)] in the mine lease area of 131.568 Ha, located at Villages Erragudi, Hussainapuram & Yanakandla, Mandal Banaganapalli, District Kurnool, Andhra Pradesh. The mine lease area is located between Latitude: 15° 22' 33.83583" N -15° 22' 59.21049" N and Longitude 78° 09' 25.43278" E - 78° 11' 35.43709" E. The mine lease area falls under the Survey of India Toposheet No 57 I/3 and falls in Seismic Zone II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/ DSS.

2. M/s. Sree Jayajothi Cements Private Limited (SJCPL) initially made application online vide proposal no: IA/AP/MIN/72528/2018 dated 27.01.2018 and submitted Form1 and Prefeasibility report. The proposal was considered in the EAC meeting held during March 22-23, 2018 and during the presentation the project proponent informed the committee that a court case has been filed vide W.P. 9268/2018 wherein the complainant prayed the Hon'ble Court to set aside the Letter of Intent issued to the proponent by Department of Geology & Mining, Govt. of Andhra Pradesh. The Committee therefore was of the view that Letter of Intent (LoI) is the basis for considering the proposal for prescribing the Term of Reference and as the same is in question in the instant case, the proposal could not be considered in present form. The

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Committee therefore, rejected the proposal and was of the view that proponent may apply afresh after the outcome of the said court case.

3. The Project Proponent again applied for Terms of Reference vide online proposal no: IA/AP/MIN/197632/2021 dated 10.02.2021 and informed that the court case was resolved in favour of M/s. Sree Jayajothi Cements Private Limited (SJCPL). The proposal was considered in the 29<sup>th</sup> EAC (Non-Coal) meeting held during 15<sup>th</sup>-17<sup>th</sup> March, 2021. During the meeting, the Committee noted that the proposal was earlier considered in the EAC meeting held during March 22-23, 2018 wherein the Committee rejected the proposal and was of the view that proponent may apply afresh after the outcome of the said court case. Now the Project Proponent informed the Committee that the court case was resolved in favour of M/s. Sree Jayajothi Cements Private Limited. PP also mentioned that there is no any court case/litigation pending against the PP in Sr. No. 24 of the Form-1. The Committee also noted that the PP was unable to produce the copy of final judgement of the court case. After detailed deliberation and discussion held during the meeting, the Committee felt that the information submitted by the Project Proponent appears to be contradictory. Thus, the Committee was of the view that the Letter of Intent (LoI) is the basis for considering the proposal for prescribing the Terms of Reference (ToR) and as the same is in question in the instant case, hence the proposal could not be considered. Therefore, the Committee returned the proposal in the present form and was of the view that the Project Proponent shall apply a fresh along with the valid Letter of Intent (LOI) mentioning the validity of the lease period and after the disposal of the court case.

4. Now, the Project Proponent applied for Terms of Reference vide online proposal no: IA/AP/MIN/220795/2021 dated 19.07.2021 and submitted Form1 and Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

### 5. Details of Mine lease

S.no	Letter of Intent (LoI)	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	LoI vide Memo No. 8919/M.III (1)/2017	31.10.2017	Limestone	-	Govt of Andhra Pradesh	146.676 Ha
2	Corrigendum vide Memo No. 8919/M.III (1)/ 2017	07.12.2017	Limestone	-	Govt of Andhra	131.568 Ha

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					Pradesh	
3	Extension of Lol vide Memo No. 8919/M.III (1)/2017	15.07.2021	Limestone	30.10.2010 – 29.10.2022 (2 years)	Govt of Andhra Pradesh	146.676 Ha

**6. Details of Mine Plan**

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	For a period	Details
1	Indian Bureau of Mines	AP/KNL/MP/Lst-144/Hyd	07.03.2018	5 years	Limestone, 131.568 Ha

7. The Project Proponent submitted that the method of mining will be mechanized open cast mining method with deep hole drilling & blasting. Limestone resources in the ML area are about 9.037 million tonnes. Life of the mine will be 30 years @ 0.60 MTPA production. The benches shall be of 8m height with a width of 20m. The benches shall be sloped at 75°-80° to the horizontal. Blasted mineral will be loaded into the tippers using hydraulic excavator of 1.0m<sup>3</sup> bucket capacity and transported to the crusher by road to a distance of 2.1km with tippers of 25 tonnes capacity. After crushing to the desired size, limestone will be transported from the crusher to cement plant by a covered belt conveyor of about 1.8km. No topsoil and over burden generation is envisaged during the life of the mine. PP reported that the maximum water table is about 55m (209m RL) and minimum is about 49m (217m RL). The entire mine workings will be on the hill top 314m RL to 255m RL only. Hence, the water table is much below the proposed working depth and the mining operations will not affect the water regime.

**8. Nearest village /town/highway/railway station/water bodies**

Particulars	Details	Distance & Direction
Nearest Village	Erragudi	0.2km, N
Nearest School	Government School, Yanakandla	2.9km, NE
Nearest Highway	(NH-18) - Kurnool – Kadapa	21.0 km, NE
Nearest Railway Station	Betamcherla Railway Station	7.5km, NW
Nearest water bodies	Galeru Nagari Sujala Sravanthi Canal	1.9km, SE

9. The Project Proponent submitted that the peak water requirement for the proposed mine is about 47 m<sup>3</sup>/day which will be used for dust suppression, plantation and domestic purposes. This requirement will be supplied by existing mine pits of other

captive mine initially and after formation of the mine pit, rain water collected in the mine pit will be used.

10. The Project Proponent submitted that the afforestation will be done covering an area of 12.0 ha with 12,000 saplings in non-mineralized area.

11. The Project Proponent submitted that there is no forest land within the mine lease area. PP reported that the following Reserve Forest such as Rangapuram Block BRF (3.5 km, N), Panyam RF (6.0 km, N), Ramatirtham Extension Block II RF (4.7 km, NNE) and Ramavaram RF (6.8 km, S) are found within the 10km radius. Further, PP submitted that there is no National Park, Wild Life Sanctuaries, Biosphere Reserves, Tiger Reserves, Wildlife Corridors, Eco-Sensitive Zone (ESZ) within the 10 km radius of the study area.

12. The Project Proponent submitted that the mine lease area of 131.568 Ha is USHB of Erragudi and Govt land in Sy.No.20 of Hussainapuram & Sy.No.390 of Yanakandla, Mandal Banaganapalli, District Kurnool, Andhra Pradesh.

13. The Project Proponent submitted that there is no human settlement within the mine lease area. The mining activities do not involve any displacement of human settlement. Hence, no Rehabilitation and Resettlement issues envisaged for this project.

14. The Project Proponent submitted that a court case has been filed vide W.P. 9268/2018 wherein the complainant prayed the Hon'ble Court to set aside the Letter of Intent issued to the proponent by Department of Geology & Mining, Govt. of Andhra Pradesh. PP informed that the court case was resolved in favour of M/s. Sree Jayajothi Cements Private Limited (SJCPL) and submitted the copy of Court judgement dated 29.01.2021.

**15. Details of project cost and employment:**

Particulars	Budget (Rs. in Crore)
Project Cost	Rs. 10.0
Employment	25 persons

**16. Observation and Recommendation of the Committee:**

The proposal for Terms of Reference (ToR) was placed in the 35<sup>th</sup> EAC (Non-Coal Mining) meeting held during 16<sup>th</sup> – 19<sup>th</sup> August, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee **recommended** the proposal for grant of Terms of Reference (ToR) of M/s. Sree Jayajothi Cements Private Limited (SJCPL) for Erragudi-Hussainapuram-Yanakandla Limestone (Auction Block) of Captive Limestone mine with total excavation of 0.60 MTPA [Limestone: 0.60 MTPA &

Top Soil/OB: Nil] in the mine lease area of 131.568 Ha, located at Villages Erragudi, Hussainapuram & Yanakandla, Mandal Banaganapalli, District Kurnool, Andhra Pradesh for undertaking detailed EIA/EMP study with the following specific term of reference for this project:

- i. As the LOI for the mining lease was issued on 31.10.2017 by Govt. of Andhra Pradesh for 146.676 Ha and then the Corrigendum w.r.t. lease area was issued on 07.12.2017 for the area of 131.568 Ha only but the extension of the validity of LOI was issued on 15.07.2021 for 146.676 Ha. PP submitted the application for ToR in Form-1 for 131.568 Ha and the same has been mentioned in the PFR, presentation and other relevant documents also. Hence, PP needs to revise the letter dated 15.07.2021 w.r.t actual mine lease area i.e. 131.568 Ha as confirmed by the PP during the EAC meeting.
- ii. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound budgetary action plan to address the concerns of the Public.
- iii. The Project Proponent shall allocate separate budget for the concerns of the local people in terms of health care facilities for COVID, betterment of schools nearby and to facilitate the online education system by providing Wi-Fi connectivity and desktops/tablets, infrastructure and environment protection.
- iv. The Project Proponent needs to carry out a cumulative impact assessment considering all the other mines, crushers, cement plants and other activities in the study area.
- v. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air and noise pollution.
- vi. The Project Proponent needs to submit the protection measures to be taken for the Erragudi village located at 200m, N during operation of mine.
- vii. The Project Proponent should submit the detailed plan in tabular format (year-wise for life of mine) and shall undertake the adequate plantation with the seedling of 10 ft height with at least 90% survival rate and the plantation shall be completed within 3 years from the start of mining operations. PP shall also undertake the bench plantation at least up to 3 benches during mining and up to



the water level of the abandoned benches proposed for creation of water bodies. Undertaking in this regard needs to be submitted by the PP.

**3.4 Proposal for amendment in EC vide letter dated 05.02.2021 granted to M/s Jindal Steel & Power Ltd for undertaking mining over 0.218 ha of safety zone area of 3.11 MTPA of Iron ore for expansion of Tantra, Raikela and Bandhal (TRB) Iron Ore mine in the mine lease area of 207.113ha, located at Tantra, Raikela and Bandhal villages, Tehsil Bonai, District Sundergarh, Odisha – [File No: J-11015/1154/2007-IA.II(M), Proposal No: IA/OR/MIN/223239/2021] - Amendment in EC**

**EAC Meeting Details:**

EAC meeting	35 <sup>th</sup>
Date of Meeting	16 <sup>th</sup> – 19 <sup>th</sup> August, 2021

The proposal of M/s Jindal Steel Power Ltd is for amendment in EC vide letter dated 05.02.2021 granted to M/s Jindal Steel & Power Ltd for undertaking mining over 0.218 ha of safety zone area without increase in production capacity of 3.11 MTPA of Iron ore for expansion of Tantra, Raikela and Bandhal (TRB) Iron Ore mine in the mine lease area of 207.113ha, located at Tantra, Raikela and Bandhal villages, Tehsil Bonai, District Sundergarh, Odisha. The mine lease area is located between Latitude 21°53'05.68" N to 21°53'08.6"N and Longitude 89°09'58.806" E to 85°11'31.52" E. The mine lease area falls under the Survey of India Toposheet No: 73G1. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/ DSS.

2. M/s Jindal Steel Power & Ltd has made an online application vide proposal no: IA/OR/MIN/223239/2021 dated 05.08.2021 and submitted Form-4 under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. The Project Proponent initially obtained Environmental Clearance vide Lr No.J-11015/5/95-IA.II(M) dt 30.03.1999 for capacity of 0.9MTPA and then vide Lr No. J-11015/62/2005.IA.II(M) dated 29.09.2005 for expansion in production of iron ore of 2.2 MTPA in the mine lease area of 207.787ha under EIA Notification, 1994. Then, PP obtained Environmental Clearance vide Lr No. J-11015/1154/2007-IA.II(M) dated 17.03.2009 for expansion of production of iron ore from 2.2 million tonnes per annum to 3.11 million tonnes per annum in the mine lease area of 297.848ha under EIA

Notification, 2006. Further, PP obtained Amendment in EC on 05.02.2021 to mine in already diverted area of 0.218 ha in part of safety zone within the mine lease area.

4. Now, the Project Proponent requested to modify the EC amendment dated 05.02.2021 granted to M/s Jindal Steel Power Ltd to carry out mining activities as per the approved mining plan in already diverted 0.218 ha area in part of safety zone by developing a common mining pit which will include the breaking up of 7.5m wide safety zone along the shared boundary between M/s Jindal Steel Power & Ltd (JSPL) and M/s Penguin Trading & Agencies Ltd (PTAL) and will help in utilization of blocked mineral resources thereby conserving the minerals. In view of the above, PP vide Lr. Ref. No. JSPL/Mine/2021-13115 dated 04.08.2021 submitted the following:

- i. Amendment in EC issued by SEIAA vide Lr dated 29.07.2021 for M/s Penguin Trading & Agencies Ltd that *“the amendment in EC be allowed as proposed exactly in line with the resolution of common boundary problem effected by MoEF while allowing Stage -II FC”*.
- ii. Approval letter of Review of Mining Plan along with Progressive Mine Closure Plan approved by the Indian Bureau of Mines, Bhubaneswar vide Letter No. RMP/A/28-ORI/BHU/2019-20 dated 18.11.2019 in favour of M/s Jindal Steel Power & Ltd for Iron ore over an area of 207.113 Ha for the period 2020-21 to 2024-25 which include change in land use pattern to undertake mining in safety zone by developing the common mining pit.
- iii. Approval letter of Review of Mining Plan along with Progressive Mine Closure Plan approved by the Indian Bureau of Mines, Bhubaneswar vide Letter No. RMP/A/19-ORI/BHU/2020-21 dated 06.11.2020 in favour of M/s Penguin Trading & Agencies Ltd for Iron ore over an area of 49.372 Ha for the period 2021-22 to 2025-26 which include change in land use pattern to undertake mining in safety zone by developing the common mining pit.
- iv. Forest clearance granted by MoEFCC (FC Division), New Delhi vide Lr. No. F.No 8-63/1995 FC (Vol-II) dated 04.04.2020 for change in land use pattern over an area of 0.218 ha. of forest land from Safety Zone purpose to mining purposes within 206.081 ha of already diverted forest land including safety zone in Tantra, Raikela & Bandhal (TRB) in Bonai Forest Division for Iron Mining Lease of M/s Jindal Steel & Power Ltd.
- v. Forest clearance granted by MoEFCC (FC Division), New Delhi vide Lr. No. F.No 8-23/2007-FC dated 10.07.2020 for change in land use pattern over an area of 0.218 ha from Safety Zone purpose to mining purposes of already diverted 48.632 ha of forest land over lease area of 49.372 ha at Raikela & Tantra Iron Mines in village Raikela & Tantra in Bonai Forest Division in Sundargarh District of M/s Penguin Trading & Agencies Ltd.

- vi.** Permission letter from Directorate-General of Mines Safety issued by Director of Mines Safety, Chaibasa Region, Govt. of India vide Lr. No 330060/SEZ/Chaibasa Region/Perm/2020/5845 dated 28.08.2020 to extend opencast workings of TRB Iron Ore Mines of M/s Jindal Steel and Power Ltd. within 7.5m of the common mine boundary of Raikela & Tantra Iron Mines of M/s Penguin Trading and Agencies Ltd. under Regulation 111(3) of the Metalliferous Mines Regulations, 1961 and this permission shall be valid for a period of five (5) years from the date of issue of this letter.
  - vii.** Permission letter from Directorate-General of Mines Safety issued by Director of Mines Safety, Chaibasa Region, Govt. of India vide Lr. No 330060/ SEZ/Chaibasa Region/Perm/2020/5846 dated 28.08.2020 to extend opencast workings of TRB Iron Ore Mines of M/s Penguin Trading and Agencies Ltd. within 7.5m of the common mine boundary of TRB Iron Ore Mines of M/s Jindal Steel and Power Ltd. under Regulation 111(3) of the Metalliferous Mines Regulations, 1961 and this permission shall be valid for a period of five (5) years from the date of issue of this letter.
5. The Project Proponent submitted that out of total mine lease area of 207.113ha, forest land is 205.697 Ha. (Khasra Forest - 53.191 Ha & DLC Forest Land - 152.506 Ha) and non-forest land is 1.416 Ha. PP submitted that 205.697 Ha.(Including Safety Zone) of forest land already diverted.
6. The Project Proponent submitted the Consent to Operate issued by the State Pollution Control Board, Odisha vide No. 3739/IND-I-CON-1401 dated 21.03.2020 in favour of M/s Jindal Steel and Power Ltd for production of 3.11 MTPA of Iron Ore for the period ending up to 31.03.2025.
7. The Project Proponent submitted the demand notice issued from the Office of the Deputy Director of Mines, Koira Circle vide Lr No 5090/Mines, dated 02.09.2017 for the excess production of 2270497 MT of Iron ore produced without EC/beyond the EC during the year 2000-01 to 2010-11 and directed to pay the compensation of Rs 137,81,92,295/- (Rupees One hundred thirty seven crore Eighty one lakh Ninety two thousand Two hundred ninety five) only on or before 31.12.2017 in pursuance to the Para 225 of the Order dt 02.08.2017 of Hon'ble Supreme Court. PP informed that the payment against the demand was made on 28.12.2017.

**8. Observation and Recommendation of the Committee:**

The proposal for amendment in EC was placed in the 35<sup>th</sup> EAC (Non-Coal Mining) meeting held during 16<sup>th</sup> – 19<sup>th</sup> August, 2021, after detailed deliberations made by the Project Proponent, the Committee noted that the Project Proponent couldn't able to showcase the compliance of earlier EC granted. The Committee therefore **deferred** the proposal and was of the view that the proposal shall be considered only after the satisfactory compliance of EC conditions and submission of following additional information: -

- i. The Project Proponent needs to submit the Certified EC Compliance report, from IRO for earlier EC granted.
- ii. The Project Proponent needs to submit the details on mining methodology initially in the common boundary and later further widened all along the boundary.
- iii. The Committee noted that the instant proposal would result in creation of common pit, the Project Proponent needs to submit the environmental implications for creating common pit and the stability of mine benches and restoration plan for the common pit.
- iv. The Project Proponent needs to submit the past production details duly authenticated by DMG.

**3.5 Proposal for Terms of Reference of M/s JSW Steel Ltd. for Jajang Iron Ore mine for production of 12.80 million TPA (ROM) of Iron ore with Total excavation of 27.47 MTPA (ROM 12.80 MTPA + (OB/IB/SB) 14.67 MTPA) with screening, crushing, 1500 TPH CPU and 45 MTPA Grinding & de-sliming/ Beneficiation Plant along with 30 MTPA slurry Transportation system in the mine lease area of 669.078 Ha (as per DGPS Survey)/666.150 Ha (as per ROR) located at Villages Jajang, Jadibahal, Palsa (Ka), Bandhuabeda, Tehsil Barbil, District Keonjhar, Odisha – [File No: IA-J-11015/61/2021-IA-II (NCM), Proposal No: IA/OR/MIN/220307/2021] - Terms of Reference (Auction mine)**

**EAC Meeting Details:**

EAC meeting	35 <sup>th</sup>
Date of Meeting	16 <sup>th</sup> – 19 <sup>th</sup> August, 2021

## Minutes of 35<sup>th</sup> EAC Meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021

The Proposal of M/s JSW Steel Ltd. is for grant of Term of Reference for production of 12.80 million TPA (ROM) of Iron ore with Total excavation of 27.47 MTPA (ROM 12.80 MTPA + (OB/IB/SB) 14.67 MTPA) with screening, crushing, 1500 TPH CPU and 45 MTPA Grinding & de-sliming/ Beneficiation Plant along with 30 MTPA slurry Transportation system in the mine lease area of 669.078 Ha (as per DGPS Survey)/666.150 Ha (as per ROR) located at Villages Jajang, Jadibahal, Palsa (Ka), Bandhuabeda, Tehsil Barbil, District Keonjhar, Odisha. The mine lease area falls under survey of India Topo sheet No. 73 F/8, F/12, G/5 & G/9. The indicative ranges of coordinates of the mine lease area are as follows:

Pillar No.	Latitude	Longitude
1	21 <sup>0</sup> 54'44.23926"N	85 <sup>0</sup> 26'14.55590"E
23	21 <sup>0</sup> 53'33.49374"N	85 <sup>0</sup> 25'45.85255"E
31	21 <sup>0</sup> 55'52.37093"N	85 <sup>0</sup> 24'49.65672"E
12	21 <sup>0</sup> 56'08.11524"N	85 <sup>0</sup> 26'50.70226"E

2. M/s JSW Steel Ltd. initially made an online application vide proposal No. IA/OR/MIN/175990/2020 dated 28.09.2020 and submitted Form-1 & Pre-Feasibility Report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level. The proposal was considered in the 23<sup>rd</sup> EAC (Non-Coal) meeting held during 23<sup>rd</sup> – 25<sup>th</sup> November, 2020 & 26<sup>th</sup> EAC (Non-Coal) meeting held during 11-13<sup>th</sup> January, 2021 wherein the Committee recommended the ToR and the Ministry accorded ToR vide F.No. J-11015/57/2020-IA.II(M) dated 05.02.2021 for production of 12.80 million TPA (ROM) of Iron ore with maximum waste of 28.589 MTPA (OB/IB/SB) along with screening, crushing in lease area of 669.078 Ha (as per DGPS Survey)/666.150 Ha (as per ROR) land in villages Jajang, Jadibahal, Palsa(Ka), Bandhuabeda, Tehsil Barbil, District Keonjhar, Odisha. In addition to Standard Term of Reference for non-coal mining, standard ToR as per the recommendation made by NEERI in its carrying capacity study for Odisha along with the specific conditions in addition to the Standard ToR applicable to Non-Coal mining sector.

3. Then, the Project Proponent applied for amendment in ToR vide online proposal no: IA/OR/MIN/210521/2021 dated 06.07.2021 and submitted Form-3 under the provisions of the EIA Notification, 2006. The proposal for amendment in ToR was placed in the 33<sup>rd</sup> EAC meeting held during 13<sup>th</sup> to 16<sup>th</sup> July, 2021. The Committee noted that the Ministry accorded Terms of Reference vide Lr J-11015/57/2020-IA-II(M) dated 05.02.2021 for production of 12.80 million TPA (ROM) of Iron ore with maximum waste of 28.589 MTPA (OB/IB/SB) along with screening, crushing under project activity

1(a): Mining of Minerals. Now, the Project Proponent applied for amendment in Terms of Reference for including another project activity of 2(b): Mineral Beneficiation as mentioned above. The Committee was of the view that the instant proposal cannot be considered further as there is a change in the scope of previous proposal due to addition of another activity. Therefore, the Committee returned the proposal in present form and was of the view that the Project Proponent shall apply for fresh Terms of Reference including 1(a) Mining of Minerals and 2(b) Mineral Beneficiation as per the EIA Notification 2006 and its subsequent amendments.

4. In view of the above, the Project Proponent again applied for Terms of Reference vide online proposal no: IA/OR/MIN/220307/2021 dated 15.07.2021 and submitted Form1 & Prefeasibility report for both 1(a) Mining of Minerals and 2(b) Mineral Beneficiation as per the EIA Notification 2006 and its subsequent amendments.

**5. Observation and Recommendation of the Committee: -**

The proposal for Terms of Reference (ToR) was placed in the 35<sup>th</sup> EAC (Non-Coal Mining) meeting held during 16<sup>th</sup> – 19<sup>th</sup> August, 2021, the Member Secretary informed the Committee that the Project Proponent vide Lr No. JSW/S/O/2021/179 dated 30.07.2021 requested to withdraw the proposal and informed that the application will be resubmitted in compliance with the Minutes of Meeting of 33<sup>rd</sup> EAC held during 13th-16th July, 2021. PP also vide email dated 09.08.2021 informed that they have already withdrawn the application with the help of NIC Team on 02.08.2021. The Committee therefore **returned** the proposal.

**Day 4 (19.08.2021), Thursday**

**4.1 Proposal for Environmental Clearance (EC) of M/s Starnet Marketing Private Limited for Stone mining with proposed production capacity of 495285.12 TPA (ROM) along with crusher 2 x 50TPH in the mine lease area of 8.397 Ha, located at Village Madurna, Tehsil- Chainpur, District Kaimur, Bihar – [File No: IA-J-11015/63/2019-IA-II(M), Proposal No: IA/BR/MIN/109225/2019, Consultant: Centre for Envotech & Management Consultancy Pvt. Ltd] - Environmental Clearance (EC)**

**EAC Meeting Details:**

EAC meeting	35 <sup>th</sup>
Date of Meeting	16 <sup>th</sup> – 19 <sup>th</sup> August 2021

The Proposal of M/s Starnet Marketing Private Limited is for grant of Environmental Clearance for proposed production capacity of 495285.12 TPA (ROM) along with crusher 2 x 50TPH in the mine lease area of 8.397 Ha, located at Village Madurna, Tehsil- Chainpur, District Kaimur, Bihar. The mine lease area located

between Latitude 25°01'34.30"N to 25°01'46.8"N and Longitude 83°28'48.80"E to 83°29'02.7"E. The mine lease area falls in the Survey of India Topo-Sheet No. 63 O/8 and falls in Seismic Zone-III.

2. M/s Starnet Marketing Private Limited has made an online application vide proposal no: IA/BR/MIN/109225/2019 dated 09.12.2020 and submitted Form2 and EIA report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" as the general condition is applicable for the project as the mining lease area is located at a distance of 4.8km from Kaimur Wildlife sanctuary and appraised at Central level.

3. The proposal was considered in 25<sup>th</sup> EAC meeting held during 22-24<sup>th</sup> December, 2020. Based on the documents submitted and presentation made by the Project Proponent and the Consultant, the Committee deferred the proposal and was of the view that the proposal may be considered after submission of the information. PP submitted the information on 03.08.2021 in Parivesh portal as follows: -

**Point (i): Detailed technical note on how the mining will be carried out as per the plan and its impact on environment. Location of crusher on a map, process in the crusher, material handling/movement and its emission details, and dust control equipment's in place need to be submitted.**

**Reply:** PP submitted that mine working will be started from the northern tip part of the lease area with an appropriate haul road and further extend towards the south. Gradually heightening happened from- south to north and to attain the elevation range of about 160m AMSL' Development through years will reduce the elevation range of the hill from 160m AMSL to about the average ground level. The benching system of 3 m x 3 m will be practiced in this planned period in order to comply with the provisions of Metaliiferous Mines Regulations, 1961. Details of advancement and formation of benches are shown in Development Plan. Since the deposit in this area is quartzitic in nature, it is proposed to carry out only opencast Semi-Mechanized method of mining for this plan period i.e., five years. The operations like drilling of short hole, sorting of ore and breaking at the size will be done manually to deploy 34 to 39 mm dia jack hammer drilling to drill and blast holes having burden and spacing of 1m x 1.5m in stagger grid pattern. SMS will be charged for blasting purpose. In order to avoid the effect on ground water regime, controlled blasting will be carried out with utmost safety provisions. The ROM size of stone shall be of 700 to 800mm in size. The mined-out Stone is directly used in different forms ranging from boulders to aggregates. The normal product shall be of +12mm size. From crusher, ballast or aggregate will be produced as per requirement. However, some quantity of fines shall also be generated which also have market value. The proposed crushing units will be of 50 TPH capacities each and shall

be installed on the western part of the ML area. PP also submitted the source of emission and dust control equipment's in place.

**Point (ii): An actionable EMP component wise for all components of environment viz. air, water, noise, soil and plantation with capital investment and recurring expenses over a period of mine plan needs to be submitted.**

**Reply:** PP submitted the budgetary provision for the component of environment viz. Air pollution control (Capital cost – Rs 20 Lakhs, Recurring cost/annum – Rs 6.5 Lakhs) Water pollution control (Capital cost – Rs 4.0 Lakhs, Recurring cost/annum – Rs 2.0 Lakhs), Noise pollution control (Capital cost – Rs 5.0 Lakhs, Recurring cost/annum – Rs 3.5 Lakhs), Soil (Nil) and monitoring schedule (Capital cost – Nil, Recurring cost/annum – Rs 3.0 Lakhs).

**Point (iii): PP should submit effective conservation plan prepared by experts with proper budgetary provision proposed duly authenticated by Chief Wildlife warden. Purchasing of vehicles should be discouraged in the budget proposal of the conservation plan.**

**Reply:** PP submitted the Species-Specific Conservation Plan in addition to the Conservation plan approved by Addl. Principal Chief Conservator of Forests cum Chief Wildlife Warden, Bihar vide Lr No. Wildlife-299 dated 02.07.2021 with a total budget of Rs 1.0 Cr (Rs 85 Lakhs + Rs 15 Lakhs).

**Point (iv): PP should revise the CER budget plan as well as additional cost in the EMP in the buffer zone be described indicating capital expenditure for the benefit of the public specially the students who can facilitate the online education system by providing Wi-Fi connectivity and desktops/tablets.**

**Reply:** PP submitted the time bound budget for welfare expenditure based on Public hearing & Socio-economic needs as mentioned below:

Sl. No.	Activity	1 <sup>st</sup> year (Lakh)	2 <sup>nd</sup> year (Lakh)	3 <sup>rd</sup> year (Lakh)	Total (Lakh)
1	Provide drinking water facility in surrounding village				
	Construction of 2 nos. Borewell with overhead tank in Madurna Village, Kaimur	2.0	-	-	4.0
	Construction of 2 nos. Borewell with overhead tank in Chainpur Village, Kaimur	-	2.0	-	
2	Repair & Maintenance of	2.0	1.0	-	3.0



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	village roads				
3	Medical camp for villagers	1.0	0.5	0.5	2.0
4	Plantation in community areas	1.5	0.5	0.5	2.5
5	Recreation & Other sports activities	0.5	0.5	-	1.0
6	Digital class room in village school along with Wi-Fi. (Little Angles Public School, Chainpur and Nadana School)	2.5	-	-	2.5
	Total				15.0

4. The details of the Terms of References (TOR) are furnished as below:

Date of application	Proposal No	Consideration	Details	Date of accord
27.12.2019	IA/BR/MIN/109225/2019	30 <sup>th</sup> -31 <sup>st</sup> January, 2020 and 22 <sup>nd</sup> -24 <sup>th</sup> June, 2020	For production of 495285.12 TPA Stone (ROM) in the mine lease area 8.397 Ha	09.07.2020

5. Details of Mine lease:

S.no	Letter of Intent	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Letter of Intent vide Lr 1033/ Khanan	26.07.2016	Stone mining	Time period of 120 days was given for submission of certain documents within 120 days.	Govt., of Bihar	20.75 Acre (8.397 Ha) for stone mining
2	Lr No. 343/ Khanan, Kaimur	05.03.2020	Stone mining	No time restriction is mentioned	District Mining Office, Kaimur	8.397 Ha

Minutes of 35<sup>th</sup> EAC Meeting held during 16<sup>th</sup> to 19<sup>th</sup> August 2021

					(Bhabhua)	
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**6. Details of Mine Plan**

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	For a period	Details
1	Under Secretary, Department of Mines and Geology, Bihar	Minor mine (stone) -22/16-2857/M.,	22.09.2017	5 years	8.397 Ha, Stone mine

**7. Observation and Recommendation of the Committee:**

The proposal for Environmental Clearance (EC) was placed in the 35<sup>th</sup> EAC (Non-Coal Mining) meeting held during 16<sup>th</sup> – 19<sup>th</sup> August, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the instant proposal is for grant of Environmental Clearance for Stone mining which is a Minor Mineral and District Survey Report (DSR) is mandatory as per Ministry's Notification S.O. 3611(E) dated 25.07.2018 and the same has not been submitted by the PP. Therefore, the Committee **deferred** the proposal and was of the view that the proposal may be considered only after the submission of the District Survey Report as per Ministry's Notification S.O. 3611(E) dated 25.07.2018.

**4.2 Proposal for Amendment in ToR dated 14.12.2020 granted to M/s. Penna Cement Industries Ltd for change in total excavation from 1.864 MTPA to 2.263 MTPA [Limestone 1.8 MTPA, Mineral sub grade 0.433 MTPA, Interstitial Waste 0.018 MTPA, Top soil 0.012 MTPA] of Chaanakaya Cements Limestone in the mine lease area of 354.236ha, located at Ganeshpahad/Sunyapahad (Villages), Damaracherla/ Palakveedu (Mandals), Nalgonda District, Telangana – [File No: IA-J-11015/7/2019-IA-II(M), Proposal No: IA/TG/MIN/221070/2021, Consultant: B.S. Envi – Tech Pvt. Ltd] - Amendment in ToR**

**EAC Meeting Details:**

EAC meeting	35 <sup>th</sup>
Date of Meeting	16 <sup>th</sup> – 19 <sup>th</sup> August, 2021

The proposal of M/s. Penna Cement Industries Ltd is for amendment in ToR dated 14.12.2020 for change in total excavation from 1.864 MTPA to 2.263 MTPA [Limestone 1.8 MTPA, Mineral sub grade 0.433 MTPA, Interstitial Waste 0.018 MTPA, Top soil 0.012 MTPA] of Chaanakaya Cements Limestone in the mine lease area of

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354.236ha, located at Ganeshpahad/Sunypahad (Villages), Damaracherla/Palakveedu (Mandals), Nalgonda District, Telangana. The mine lease area is located between Latitude 16°42'26.80"N-16°44'1.30"N and Longitude 79°40'11.30"E-79°41'45.40" E. The mine lease area falls under the Survey of India Topo sheet No. 56 P/10 and falls in Seismic Zone – II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/ DSS.

2. M/s. Penna Cement Industries Ltd has made an online application vide proposal no: IA/TG/MIN/221070/2021 dated 09.08.2021 and submitted Form-3 along with revised Form1 and Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category “A” of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. The Project Proponent initially obtained Environmental Clearance vide Lr no. J-11015/32/2001-IA.II(M) dated 10.12.2003 in the name of in the name of M/s Chaanakya Cements Limited for production of 1.5 million TPA of Limestone involving lease area of 354.10ha under the provisions of EIA Notification, 1994. Then, the PP obtained Terms of Reference vide F.No. J-11015/07/2019-IA.II(M) dated 14.12.2020 in the name of M/s. Penna Cement Industries Ltd for enhancement of the limestone production from 1.5 to 1.8 MTPA with Total Excavation increase from 1.552 to 1.864 MTPA (1.800 MTPA + Interstitial Waste: 0.038 MTPA + Top Soil: 0.026 MTPA) under the provision of Ministry’s Notification S.O 1530(E) dated 06.04.2018.

4. Now, the Project Proponent applied for seeking amendment in ToR dated 14.12.2020 for change in total excavation from 1.864 MTPA to 2.263 MTPA (Limestone production: 1.800 MTPA + Mineral Sub-grade: 0.433 MTPA+ Interstitial Waste: 0.018 MTPA + Top Soil: 0.012 MTPA).

5. The Project Proponent submitted that initially, mining lease was granted in the name of Chaanakya Cements Limited vide G.O.Ms. No. 563 Dated 19.11.2001 issued from Industries and Commerce Department, Govt. of Andhra Pradesh. PP submitted the lease deed in Form K in the name of Chaanakya Cements Limited. PP submitted that lease was transferred in favour of M/s Penna Cement Industries Ltd., Vide G.O.Ms.No.110 dated 17.04.2006 issued from Industries and Commerce Department, Govt. of Andhra Pradesh for un-expired portion of the lease period i.e. 19.12.2021.

6. The Project Proponent submitted the Approval Letter of Modified Mining Plan (including Progressive Mine Closure Plan) approved by Indian Bureau of Mines, Hyderabad vide Lr No. AP/NLG/MP/Lst-48/Hyd dated 14.07.2021 over an area of 354.236ha for the period 2021-22 to 2025-26.

## 7. Observation and Recommendation of the Committee:

The proposal for Amendment in ToR was placed in the 35<sup>th</sup> EAC (Non-Coal Mining) meeting held during 16<sup>th</sup> – 19<sup>th</sup> August, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the instant proposal is for amendment in ToR dated 14.12.2020. Mining Plan appraised at the time of grant of ToR for total excavation increase from 1.552 to 1.864 MTPA (1.800 MTPA + Interstitial Waste: 0.038 MTPA + Top Soil: 0.026 MTPA). The Committee observed that the Mining Plan revised by Indian Bureau of Mines (IBM) as the direction of mining has been changed from South to East and the total excavation changed from 1.864 MTPA to 2.263 MTPA (Limestone production: 1.800 MTPA + Mineral Sub-grade: 0.433 MTPA+ Interstitial Waste: 0.018 MTPA + Top Soil: 0.012 MTPA).

The Committee **recommended** the proposal of M/s. Penna Cement Industries Ltd for amendment in ToR for change in total excavation from 1.864 MTPA to 2.263 MTPA (Limestone production: 1.800 MTPA + Mineral Sub-grade: 0.433 MTPA+ Interstitial Waste: 0.018 MTPA + Top Soil: 0.012 MTPA) as per the Mining Plan of Chaanakaya Cements Limestone in the mine lease area of 354.236ha, located at Ganeshpahad/Sunypahad (Villages), Damaracherla/ Palakveedu (Mandals), Nalgonda District, Telangana with the following additional specific conditions: -

- i. The Project Proponent needs to submit the impacts due to subgrade mineral and its utilization, storage and disposal in mine lease area along with EIA/EMP report.
- ii. The Project Proponent should consider the peak transportation and include the computation in the EIA report.
- iii. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air and noise pollution.
- iv. PP needs to submit the details of the compensation for violation of common cause order dated 2.08.2017 or in respect of any demand raised by the concerned State Govt. as per Ministry's letter dated 25.02.2019.
- v. All the other terms and conditions of earlier ToR dated 14.12.2020 shall remain same.

**4.3 Proposal for Amendment in ToR dated 12.02.2020 granted to M/s. Deccan Cement Limited for change in total excavation from 4.6 MTPA to 4.7368 MTPA (Limestone: 4.6 MTPA + Top Soil: 0.1368 MTPA) of Bhavanipuram Limestone**

**Mine-3 in the mine lease area of 183.11ha, located at Ravipahad village, Palakeedu Mandal, Suryapet District, Telangana – [File No: J-11015/375/2015-IA.II(M), Proposal No: IA/TG/MIN/221180/2021, Consultant: B.S. Envi – Tech Pvt. Ltd] - Amendment in ToR**

**EAC Meeting Details:**

EAC meeting	35 <sup>th</sup>
Date of Meeting	16 <sup>th</sup> – 19 <sup>th</sup> August, 2021

The proposal of M/s. Deccan Cement Limited is for amendment in ToR dated 12.02.2020 for change in total excavation from 4.6 MTPA to 4.7368 MTPA (Limestone: 4.6 MTPA + Top Soil: 0.1368 MTPA) of Bhavanipuram Limestone Mine-3 in the mine lease area of 183.11ha, located at Ravipahad village, Palakeedu Mandal, Suryapet District, Telangana. The mine lease area is located between Latitude 16°42'38.70" N - 16°43'26.00" N and Longitude 79°42'26.40" E - 79°43'53.90" E. The mine lease area falls under the Survey of India Topo sheet No. 56 P/10 and falls in Seismic Zone – II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/ DSS.

2. M/s. Deccan Cement Limited has made an online application vide proposal no: IA/TG/MIN/221180/2021 dated 09.08.2021 and submitted Form-3 along with revised Form1 and Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category “A” of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. The Project Proponent initially obtained Environmental Clearance vide Lr No: J-11015/642/2007-IA.II(M) dated 18.10.2007 for production of 0.3 million TPA of Limestone. Mine was opened on 23<sup>rd</sup> March 2015. Then, PP obtained EC vide Lr No: J-11015/375/2015-IA.II(M) dated 05.01.2017 for enhancement of production of Limestone from 0.3 million TPA to 2.3 million TPA in the mine lease area of 183.11ha. Further, PP obtained Terms of Reference vide Lr. No. F. No. J-11015/375/2015-IA.II(M) dated 12.02.2020 for expansion of production from 2.3 MTPA to 4.6 MTPA with total excavation of 4.6 MTPA [Limestone 4.6 MTPA (ROM); Waste/Reject/IB/OB/Top Soil - Nil) in the mine lease area of 183.11ha.

4. Now, the Project Proponent applied for seeking amendment in ToR dated 12.02.2020 for change in total excavation from 4.6 MTPA to 4.7368 MTPA (Limestone: 4.6 MTPA + Top Soil: 0.1368 MTPA). PP submitted at the time of approval of the Mining Plan, it was necessitated that about 0.136 MTPA of soil gets generated during the process of mining 4.6 MTPA of Limestone. Hence the total excavation post

enhancement of Limestone production is 4.6 (limestone) + 0.1368 (top soil) = 4.7368 MTPA.

5. The Project Proponent submitted that mining lease was issued in favor of M/s Deccan Cement (DCL) on 16.12.2013 and the lease was executed on 28.12.2013 for a period of 20 years i.e. up to 27.12.2033. The State Govt. vide G.O. MS No. 12 dated 21.07.2017 extended the validity of mining lease for 50 years i.e. up to 27.12.2063. PP informed that the Mining Plan was approved vide letter dated 12.07.2021.

6. The Project Proponent submitted the Forest Clearance granted by the Ministry vide letter No 8-85/2010-FC dated 13.09.2013 for diversion of 183.11ha forest land in compartments no. 26 & 27 of Saidulnama Reserved Forest. PP also submitted the Consent for Operation issued by the Telangana State Pollution Control Board vide Consent Order No:TSPCB/RCP/NLG/HO/CFO/2017-1458 dated 08.08.2017 for production of 2.3 million TPA of Limestone for the period ending up to 30.04.2022.

7. The Project Proponent submitted the past production details duly authenticated by Dept., of Mines and Geology, Telangana vide Letter No 484/M2/2007 dated 02.07.2019 for the year 2014-15 to 2018-19. PP also submitted an undertaking in the form of affidavit bearing No V-929916 dated 26.11.2019 to comply with direction of Hon'ble Supreme Court dated 2.08.2017 and other Statutory requirement.

8. The Project Proponent submitted that the Ministry vide Lr F.No: J-11014/29/2021-IA-I(M) dated 05.08.2021 issued direction under Section 5 of the Environment (Protection) Act 1986 for non-compliance of the conditions prescribed in the EC granted vide Lr No: J-11015/642/2007-IA.II(M) dated 18.10.2007. Project proponent submitted the reply to SCN on 16.08.2021, which is under examination in the Ministry. PP also submitted that proceedings is in progress w.r.t case filed related to alleged violations under EIA Notification to the project in the National Green Tribunal – South Zone, Chennai - Vakkanti Koteshwar Rao Vs Union of India and Ors in the Original Application no. 33 of 2016.

**9. Observation and Recommendation of the Committee:**

The proposal for Amendment in ToR was placed in the 35<sup>th</sup> EAC (Non-Coal Mining) meeting held during 16<sup>th</sup> – 19<sup>th</sup> August, 2021, after detailed deliberations made by the Project Proponent and the Consultant, The Committee noted that the instant proposal is for amendment in ToR dated 12.02.2020. At the time of grant of ToR for expansion of production from 2.3 MTPA to 4.6 MTPA with total excavation considered was 4.6 MTPA [Limestone 4.6 MTPA (ROM); Waste/Reject/IB/OB/Top Soil -Nil]. PP informed that at the time of approval of the Mining Plan, it was necessitated that about

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0.136 MTPA of topsoil gets generated during the process of mining 4.6 MTPA of Limestone and hence the total excavation changed from 4.6 MTPA to 4.7368 MTPA [4.6 (limestone) + 0.1368 (top soil)].

The Committee also took note that the SCN issued under Section 5 of E(P)A,1986 to project proponent and response submitted by project proponent on 16.08.2021 is under examination in the Ministry.

The Committee **recommended** the proposal of M/s. Deccan Cement Limited for amendment in ToR for change in total excavation from 4.6 MTPA to 4.7368 MTPA [4.6 (limestone) + 0.1368 (top soil)] as per the approved Mining Plan of Bhavanipuram Limestone Mine-3 in the mine lease area of 183.11ha, located at Ravipahad village, Palakeedu Mandal, Suryapet District, Telangana with the following additional specific conditions:

- i. The Project Proponent needs to submit the topsoil management plan and its utilization and storage within the mine lease area for planation along with the budget in the EIA report.
- ii. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air and noise pollution.
- iii. All the other terms and conditions of earlier ToR dated 12.02.2020 shall remain same.

**4.4 Proposal for extension of validity of Environmental Clearance (EC) of M/s Uttarakhand Forest Development Corporation Ltd for Mining of Sand, Boulder, Bajri (Minor mineral) with production capacity of 4,77,306 TPA (ROM) in the mine lease area of 35.356 ha, located at Malan River bed, Villages Lachampur, Haldukhata, Jashodharpur, Tehsil – Kotdwar, District – Pauri Garhwai, Uttarkhand – [File No: J-11015/452/2013-IA.II(M), Proposal No: IA/222562/2021] – Extension of validity of EC**

### EAC Meeting Details:

EAC meeting	35 <sup>th</sup>
Date of Meeting	16 <sup>th</sup> – 19 <sup>th</sup> August, 2021

The proposal of M/s Uttarakhand Forest Development Corporation Ltd is for extension of validity of Environmental Clearance (EC) co-terminus with the Forest Clearance for Mining of Sand, Boulder, Bajri (Minor mineral) with production capacity of 4,77,306 TPA (ROM) in the mine lease area of 35.356 ha, located at Malan River bed,

Villages Lachampur, Haldukhata, Jashodharpur, Tehsil – Kotdwar, District – Pauri Garhwai, Uttarkhand. The mine lease area is located between Latitude 29°47'4.15" N to 29°45'9.88" N and Longitude 78°26'42.01" E to 78°27'20.43" E. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/DSS.

2. M/s Uttarakhand Forest Development Corporation Ltd has made an online application vide proposal no: IA/TG/MIN/221180/2021 dated 09.08.2021 and submitted Form-6 under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" as the mining leased area is located at 1.03km from Interstate boundary of Uttarakhand and Uttar Pradesh and appraised at Central level.

3. The Project Proponent initially obtained Environmental Clearance vide EC No. J-11015/452/2013-IA-II(M) dated 02.11.2015 for Mining of Sand, Boulder, Bajri (Minor mineral) with production capacity of 4,77,306 TPA (ROM) in the mine lease area of 35.356 ha. Then, PP obtained amendment in EC vide No. J-11015/452/2013-IA-II(M) dated 12.02.2019 that the Para 5 of EC granted vide Lr dated 02.11.2015 should be read as *'The project proponent has made the traffic analysis survey and reported that trucks/tippers/tractor up to 10 ton capacity shall be engaged for maximum production not more than 2000 TPD. The project proponent reported that road will be repaired and maintained in good conditions. Sufficient number of supervisors will be appointed to regulate the traffic movement near site. Speed breakers and signage will be maintained at all the sensitive places. The other terms & condition of the EC dated 02.11.2015 remains the same'*. The Ministry has also observed that the PP has carried out mining from 22.03.2017 till 01.02.2018 without obtaining CTO and it's a violation of common cause order dated 02.08.2017.

4. The Project Proponent submitted that Forest Clearance granted by the Ministry vide F.No. 8-30 /1999-FC(pt) dated 03.08.2016 the period of 10 years i.e., 02.08.2026.

**5. Observation and Recommendation of the Committee:**

The proposal for extension of validity of Environmental Clearance (EC) was placed in the 35th EAC (Non-Coal Mining) meeting held during 16th – 19th August, 2021, after detailed deliberations made by the Project Proponent, the Committee **deferred** the proposal for want of following additional information: -

- i. The Project Proponent needs to submit the complete information in Form-6 along with the all supporting documents.



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- ii. The Project Proponent should submit annual replenishment study report certified by an authorized agency as stipulated in the Special Condition S. No. 11 of earlier Environmental Clearance.
- iii. The Project Proponent should adhere to the Sustainable Sand Mining Management Guidelines 2016 and Enforcement and Monitoring Guidelines 2020.
- iv. The Project Proponent needs to submit the Environmental status report.
- v. The Project Proponent needs to submit the Certified Compliance report certified by the Integrated Regional Office, MoEF&CC.
- vi. The Project Proponent needs to submit the past production details duly authenticated by DMG.
- vii. The Project Proponent needs to submit the copy of CTO obtained during the period 22.03.2017 till 01.02.2018.
- viii. The Project Proponent needs to submit the copy of valid mine lease document and Forest Clearance.
- ix. The Project Proponent needs to submit the District Survey Report (DSR) as per Ministry's notification S.O 3611 (E) dated 25th July, 2018.

**4.5 Proposal for Terms of Reference of M/s Prakash Industries Limited for Iron Ore mine with total excavation of 1.864 MTPA [Iron ore-1.2 MTPA, OB-0.106 MTPA, Sub grade / mineral rejects - 0.558 MTPA] along with mobile crusher of 300 TPH in the mine lease area of 274.896 ha of Forest Compartment No's: 207, 208 and 214, forest range: Sahaspur Lohara, Forest Division: Kawardha, Eklama Village, Tehsil Bodla, District Kabirdham, Chhattisgarh – [File No: IA-J-11015/28/2021-IA-II(M), Proposal No: IA/CG/MIN/206037/2021, Consultant: Pioneer Enviro Laboratories & Consultants Pvt. Ltd] - Terms of Reference (ToR)**

**EAC Meeting Details:**

EAC meeting	35 <sup>th</sup>
Date of Meeting	16 <sup>th</sup> – 19 <sup>th</sup> August, 2021

The Proposal of M/s Prakash Industries Limited is for grant of Term of Reference for Iron Ore mine with total excavation of 1.864 MTPA [Iron ore-1.2 MTPA, OB-0.106 MTPA, Sub grade / mineral rejects - 0.558 MTPA] along with mobile crusher of 300 TPH in the mine lease area of 274.896 ha of Forest Compartment No's: 207, 208 and 214,

forest range: Sahaspur Lohara, Forest Division: Kawardha, Eklama Village, Tehsil Bodla, District Kabirdham, Chhattisgarh. The mine lease area located between Latitude 21°53' 8.4282"N to 21°54'20.0793"N and Longitude 81°3' 36.9138"E to 81°5' 5.1644"E. The mine lease area falls under the Topo Sheet No: 64 G/1 and falls in Seismic zone-II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/ DSS.

2. M/s Prakash Industries Limited has made an online application vide proposal no. IA/CG/MIN/206037/2021 dated 25.03.2021 and submitted Form-1 & Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. The proposal was earlier considered in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> June, 2021 and 1<sup>st</sup> July 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee deferred the proposal for want of additional information. The Project Proponent submitted the information vide Lr Ref PIL/BSP/MD/MoEF/2021-22/98 dated 22.07.2021 as follows: -

**Point (i): The Project Proponent needs to submit the detailed composition of forest land with its ecological and economic value with habit and habitat for wildlife, birds and human habitations if any.**

**Reply:** PP submitted that the entire mine lease area of 274.896ha is the part of forest compartment no. 207, 208 & 214 of Shahaspur-Lohara Forest Range in Kawardha Forest Division, Chhattisgarh. As per compartment history and Division records, the area is Southern dry mixed deciduous forest 5A/C3 without bamboo (as per Champion & Seth 1968). The Eco-class value is IV a and forest density vary from 0.5 to 0.6. The proposed area does not have human settlement. The forest area is undulating & small hillocks. Economic value of loss of eco-system services due to diversion of forest shall be Rs. 6.26 Lakh/Ha (NPV rate as per ECO Value of Forest Class IV A as per Guideline of MoEF&CC, Gol dated 05/02/2009) as prescribed by Central Government (MoEF&CC). PP submitted that Environmental loss:  $274.896 \times 6.26 = \text{Rs. } 1720.85 \text{ lakh}$ . Loss of animal husbandry productivity, including loss of fodder - 10% of the NPV (as per the cost benefit guideline) =  $10\% \times \text{Rs. } 6.26 \text{ lakh} \times 274.896 = \text{Rs. } 172.08 \text{ Lakh}$ . The possession value of forest land diverted is taken as 30% of NPV due to loss of forest =  $30\% \times \text{Rs. } 6.26 \text{ lakh} \times 274.896 = \text{Rs. } 516.26 \text{ Lakh}$ . Habitat Fragmentation Cost is  $6.26 \times 274.896 \times 0.5 = \text{Rs. } 860.43 \text{ Lakh}$ . The cost @ Rs.7.99 lakh per Ha. is taken for compensatory afforestation and soil moisture conservation. Hence amount will be =  $549.792 \times 7.99 = \text{Rs. } 4392.84 \text{ Lakh}$ . Total cost due to diversion of Forest land is Rs.

7662.46 Lakh. PP submitted that total quantity of iron ore to be produced is approx - 109.90 Lakh Tonne @ Rs 5608/Tonne (As per IBM Avg. Sale price for the month of March & April, 21) = Rs. 616319.20 Lakh for entire period of 50 years. Royalty, DMF, NMET, TCS etc. amounts to Rs.1132/Tonne = 109.90 (Extractable reserve) x 1132 = Rs. 124406.80 Lakh for entire period of 50 years. Economic benefits due to of direct and indirect employment over 50 years= Rs. 47310.00 Lakh. Future benefits of 544294 nos. of trees @ Rs. 23.50 lakh = Rs. 12790909.00 Lakh. Total benefit due to diversion of forest land for non-forest activity is Rs. 13578945.00 Lakh. Hence, the Cost Benefit Ratio will be 1: 18.

**Point (ii): The Project Proponent needs to carry out the traffic study including carrying capacity of road for transportation of mineral from the mine to the plant.**

**Reply:** PP submitted that Transportation of ROM, waste, float ore from mine quarry to crusher and stockpiles is proposed to be done by 10 T/20 T capacity dumpers/Hywa suitable for hard ore. Calibrated lump ore/sized end product will be transported in 20/30 T trucks to the steel plant which is established at Champa, Janjgir-Champa District of Chhattisgarh (Distance from ML area to steel plant of Prakash Industries Limited, by road is 245 Kms). Number of trucks utilized for the transport mineral from ML area to the steel plant will be approximately 135 trucks /day. Transport route from ML area to the steel plant of Prakash Industries Limited at champa will be through - ML area is connected to State Highway 5 (Rajnandgaon – Kawardha), Kawardha to Simga through National Highway 30, Simga to Bilaspur through National Highway 130 and Bilaspur to Champa through National Highway 49. This hourly generated traffic of 54.4 PCU/ hr will move towards State Highway and National Highway towards the steel plant. Study has been carried out manually, for 2- way traffic during peak hour of the day in morning from 8:00 am to 11:00 am and in evening from 5:00 PM to 8:00 PM. Data has been collected to know the current traffic load on the road and the impact due to the proposed activity. The level of service for all the roads from ML area to steel plant in champa are Excellent SH 5, NH 130 & NH 49 and very good for NH 30. Hence there will not be any significant impact on the traffic enroute from ML area to the steel plant due to transport of iron ore.

**Point (iii): The Project Proponent needs to submit the details of mineralized zone available in the total mining lease area of forest land.**

**Reply:** PP submitted that the total area of Mineralized Zone is 42.42ha out of total mining lease area of 274.896ha. The area utilized for conceptual period will be 73.31ha and the area which remains untouched will be 201.586ha.

**Point (iv): The Project Proponent needs to submit the conceptual plan for broken up area for extraction of mineable reserves.**

**Reply:** PP submitted the conceptual plan for broken up area for extraction of mineable reserves.

**4. Lease Detail**

S.no	Grant of PL/Lol	Date of the grant	Name of the Mineral	Period of Grant		Granted by	Mine lease area in Ha
				From	To		
1	Prospecting License vide Lr No. 2-152/06/12(2), Raipur	30.09.2009	Iron Ore	07.11.2009	06.11.2011	Govt of Chhattisgarh	440.750
2	Letter of Intent vide Lr F 3-15/2013/12	17.02.2021	Iron Ore	50 years		Govt of Chhattisgarh	274.896

**5. Observation and Recommendation of the Committee:**

The proposal of Terms of Reference (ToR) was placed in the 35<sup>th</sup> EAC (Non-Coal Mining) meeting held during 16<sup>th</sup> – 19<sup>th</sup> August, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the mine lease area is located at a distance of 8.1 km from the Boramdev Wildlife Sanctuary within 10 km radius. The validity of Draft Notification declaring Eco sensitive Zone around Boramdev Wildlife Sanctuary Chhattisgarh vide Ministry's Notification S.O 1362(E) dated 08.04.2016 also expired, hence, PP needs to obtain the NBWL clearance. The Committee also noted that the PP has submitted the Mining Plan for approval to Indian Bureau of Mines (IBM), Raipur and is still pending for approval. The Committee therefore **deferred** the proposal for want of following additional information: -

- i. The Project Proponent needs to submit the proof of submission of application for NBWL clearance.
- ii. The Project Proponent needs to submit the copy of the approval of mining plan.
- iii. The Project Proponent should also confirm whether at the conceptual period, 201.586ha area will remain untouched during the life of the mine i.e., 50 years or not.

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- iv. The Project Proponent needs to submit the revised Cost Benefit Analysis for a life of the mine.

**List of members of Expert Appraisal Committee participated through VC**

S.No.	Member Name	Member Address	Designation	16 <sup>th</sup> August 2021	17 <sup>th</sup> August 2021	18 <sup>th</sup> August 2021	19 <sup>th</sup> August 2021
1	Dr. S.R. Wate	148/149, Nagar Vikas Society, Narendra Nagar, Nagpur-440015, Maharashtra	Chairman	Yes	Yes	Yes	Yes
2	Dr. Ajay Deshpande	Building A-26, Flat-403, Happy Valley Homes, Manpada, Ghodbunder Road, Thane (West) - 400610, Maharashtra	Member	Yes	Yes	Yes	No
3	Shri B Ramesh Kumar	H-No. 6-1-134/6, Balram Compound, Padmarao Nagar, Secundrabad-500025, Andhra Pradesh	Member	Yes	Yes	Yes	Yes
4	Prof. S. Ramakrishna Rao	50-120-9/1, Tulasi Mani Regency North Extension, Seethammadhara, Visakhapatnam - 530013 Andhra Pradesh.	Member	Yes	Yes	Yes	Yes
5	Shri Santosh Gupta	Flat No. 405, Block -B, Gaur Green Vista, NyayKhand - 1, Indrapuram, Ghaziabad- 201014	Member	Yes	Yes	Yes	Yes
6	Dr. Asha Rajvanshi	B-104/106 Rockvalley Apartments, General Mahadev Singh road, Sewla	Member	Yes	Yes	Yes	Yes

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		chowk, Majra, Dehradun - 248001					
7	Shri G.P. Kundargi	Plot No. 32, MOIL Vatika, Chicholi Road, Fetri, Nagpur 441501, Maharashtra	Member	No	Yes	Yes	Yes
8	Dr. A.K. Malhotra	House no.33, Sector-11 Dwarka, New Delhi-110075	Member	Yes	Yes	Yes	Yes
9	Dr. Gurdeep Singh	Centre of Mining Environment, Department of Environmental Science & Engg. Indian Institute of Technology (Indian School of Mines), Dhanbad-826004	Member	Yes	Yes	Yes	Yes
10	Dr. Parimal Chandra Bhattacharjee	A/3 Asiyana Housing Complex Maligaon, Guwahati-781011, Assam	Member	No	No	No	No
11	Prof. Mukesh Khare	Department of Civil Engineering, IIT, Delhi	Member	No	No	No	No
12	Mr. V. K. Soni	Government of India, Ministry of Earth Sciences, India Meteorological Department, Mausam Bhawan, Lodi Road, New Delhi – 110003	Member	No	No	No	No
13	Sh. Pankaj Kulakshethra	Regional Controller of Mines, IBM Block D, Second Floor, Indira Bhavan, Civil Lines, Nagpur - 440001	Member	Yes	Yes	Yes	Yes

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14	Sh. P.K.Kundu	Representative of DGMS	Member	Yes	Yes	Yes	Yes
15	Shri Pankaj Verma	2 <sup>nd</sup> Floor, Prithvi Block, Indira ParyavaranBhawan, MoEF&CC, Jorbag, New Delhi- 110003	Member Secretary	Yes	Yes	Yes	Yes

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