MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE (IA DIVISION-NON COAL MINING SECTOR)

AGENDA FOR

30th MEETING OF THE RECONSTITUTED EXPERT APPRAISAL COMMITTEE (NON-COAL MINING), SCHEDULED DURING 23rd April- 24th April, 2018.

Instructions: Project proponents are requested to strictly follow the following instructions:

- 1. The Project Proponents are requested to circulate the documents either in pen drive or hard copy whichever is convenient (<u>bulky EIA reports may be sent in pen drive mentioning the agenda numbers</u>) for the projects included in the Agenda given below to The Chairman and Members of the Committee (as per list given below) immediately. The proponents shall not wait for individual letters to be issued. <u>The documents shall reach the members at earliest before the meeting.</u>
- 2. (i) The Project Proponent should carry valid proof in support of its legal identity issued from Registrar of Companies.
 - (ii) MOEFCC-R.O. Compliance Report (Applicable for projects already having EC).
 - (iii) PP shall provide the following details at the time of appraisal of the project:
 - a. Compliance of order dated 2.8.2017 in CWP No. 114/2014 of Hon'ble Supreme court
 - b. Details of demand if any raised by Department of Mining and Geology
 - c. Details of payment, if any made to Department of Mines & Geology
 - d. Validity of mine lease
 - e. Status of mine whether working or not
 - f. Details of past production of mine since its inception, duly authenticated by Department of Mines & Geology.
 - (iv) KML/Shape Files of the mine lease area at the time of presentation before EAC and to present on the details of mine lease online to show the present status of mine lease.
 - (iv)The Consultants are requested to carry a valid proof in respect of their accreditation status from NABET.
 - (v) The PP/Authorized representatives are required to carry their ID Proof/ Aadhar Card & Authority letter in support of their identity.
 - (vi)All Certificates' should be addressed to the Ministry on letter head with letter number & dispatch number.
- 3. The KML/Shape files should be emailed on the below mentioned email addresses at least 10 days prior to the meeting.
- 4. The Project Proponent to show the transportation route of minerals on maps during presentation.
- 5. The Project Proponents are requested to carry one set of documents for submission during EAC meeting.
- 6. Please indicate the item number of the Agenda while circulating the documents.

- 7. Presentations for <u>TOR</u> should be brief, precise and <u>supported by Letter of Intent of mine lease and toposheet</u>. All important features such as National Parks, Wildlife Sanctuary, Mangroves, Biosphere Reserves/Bio-diversity, Heritage sites, Reserve Forests, Rivers, water Bodies, Highways, Railway line, Habitations, Critically Polluted Areas (CPA) etc. should be clearly indicated in an area of 10 km radius of the proposed site.
- 8. The project proponents are required to fill up the questionnaire and get it duly signed by its authorized signatory (giving details as mentioned) and circulate the same to the Ministry and the Members along with other documents. If incomplete information is submitted, the project will not be appraised.
- 9. The project proponents are advised to give their presentation for <u>EC starting with</u> compliance with the prescribed TOR issued for the project.
- 10. In accordance with the circular no. J-11011/618/2010-IA.II (I) dated 30.5.2012, in case of expansion project and or renewal of mine lease for which environment clearance was issued earlier, the project proponent shall submit a certified report of the status of compliance of the conditions stipulated in the environment clearance for the on-going / existing operations of the project by the Regional Offices of Ministry of Environment, Forest and Climate Change. The status of compliance of the conditions stipulated in the EC as highlighted in the report(s) will be discussed by the EAC during appraisal of the project.
- 11. The project proponent shall ensure that the reports / documents uploaded in the website of the Ministry, circulated to the EAC members and hard copy submitted to the Ministry are the same. In case of discrepancy the project will not be considered.
- 12. Details of mining project shall be given as per format at Annexure-1.
- 13. The Consultant shall include an undertaking in the EIA report that the prescribed TOR have been complied with and that the data submitted is factually correct and also an undertaking shall be submitted owning the contents (information and data) of the EIA report.
- 14. The project proponent during the submission of application or at the stage of TOR, should indicate the name of the consultant/ consultancy firm, Serial number they propose to hire for preparing EIA/EMP reports along with their complete details including their accreditation.
- 15. All correspondence with MoEFCC including submission of application for TOR/EC, subsequent clarifications, as may be required from time to time, participation in the EAC meeting on behalf of the project proponent shall be made by the authorized signatory only who should be a reasonably Senior Officer/Executive duly authorized in writing.
- 16. Kindly send a brief write up of project/executive summary of the project (maximum three page, in word format without any table) and the name of the consultant with the Sl. No. in the QCI/NABET list in a week's time by e-mail to the following addresses:

 s.kumar1958@gov.in, rb.lal@nic.in, m.knight@gov.in, amit.vashishtha@nic.in
- 17. Kindly make it convenient to attend the meeting

Note: The items listed for environmental clearances will be taken up for appraisal only on fulfilment of relevant instruction given above.

AGENDA

Venue: Teesta, First Floor, Vayu Wing, Indira Paryavaran Bhawan, Aliganj, Jor Bagh Road, New Delhi-110003.

Day: 23rd April, 2018 (Monday)

Agenda Item No. 01:

10.00 AM – 10.15 AM: Circulation of the Minutes of 29th meeting of the EAC.

Agenda Item No. 02:

DAY 1: 23rd April, 2018 (Monday) (Brahmaputra, First Floor, Vayu Wing)

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	CONSIDERATION OF ENVIRONMENT CLEARANCE(10.15 AM onwards)
(2.1).	J-11015/844/2007-IA.II(M) Proposed project "Dapahar Iron & Mn Mines (101.171 ha.) by M/s Sri Avin Jain for expansion of Iron Ore production to 0.31 MTPA and Manganese ore to 0.094 MTPA located at Baitarani R.F., Tehsil- Barbil, District-keonjhar, Odisha. IA/OR/MIN/73371/2007
(2.2).	J-11015/389/2013-IA-II(M) Stone Mine of M/s. New Laxmi Granites located at village Parsurampur, Dist. Gajapati of Odisha (49.922ha) (2,250m3/Annum to 30,000m3 per Annum) IA/OR/MIN/20320/2013
(2.3).	J-11015/63/2014-IA.II (M) Mining of Major Mineral in "Got Manglod Gypsum Mines" with enhancement of production capacity from 3.5 Lakhs TPA to 7.0 Lakhs TPA of Gypsum by M/s. Rajasthan State Mines Minerals Limited, located near Village-Got & Manglod, Tehsil -Jayal, District -Nagaur, Rajasthan (870.74 ha) IA/RJ/MIN/22811/2014
(2.4).	J-11015/140/2016.IA.II(M) Limestone Mining of M/s Marwar Cement Limited located at Near Villages-Ghorawat, Borunda & Pundlu, Tehsil – Pipar City (earlier Bhopalgarh) & Merta City, District- Jodhpur & Nagaur (Rajasthan) with Production Capacity of 1.0 MTPA, ML area-195.70 ha IA/RJ/MIN/51457/2016
(2.5).	J-11015/139/2016.IA.II(M) Limestone Mining Project of M/s Marwar Cement Limited for Amalgamation of Limestone mines (M L No. 173/1989, 176/1995, 175/ 1995, 4/1995, 120/ 1995,

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Village Pundluwith, located at Ghorawat. 338/2008, 334/2008) Tehsil Bhopalgarh, District Jodhpur, Rajasthan production capacity 3.10 MTPA (M.L. area- 137.99 ha) IA/RJ/MIN/51530/2016 **Re-Consideration of Environment Clearance** (2.6).J-11015/73/2014-IA.II(M) Birla Cement Limestone Mine of M/s. Birla Cement Works for enhancement of production capacity from 2.824 million TPA to 4.324 million TPA of limestone (ROM), located near Village(s) -Bherda, Jai, Surjana & Nagri, P.O. Semalpura, Tehsil & District - Chittorgarh, Rajasthan (ML area: 588.59 ha) IA/RJ/MIN/22914/2014 AMENDMENT IN EC (2.7).J-11015/379/2008-IA.II(M) Application for amendment in EC for Extension of period in order issued by MOEF for Basani Limestone (Minor Mineral) (ML No.5/95) Mining Project of M/s Rajasthan State Mines and Minerals Limited located in Village Basani, Tehsil Merta, District Nagaur, Rajasthan. IA/RJ/MIN/8801/2008 RECONSIDERATION OF AMENDMENT IN EC J-11015/78/2010-IA.II(M) (2.8).Proposal for installation of conveyor for transportation of bauxite and change in mining equipment/ machineries sizing for South Block Mining Lease in Panchpatmali Bauxite Mines of M/s NALCO located at Damanjodi Village, Koraput District Odisha. IA/OR/MIN/9518/2010 (2.9).J-11015/120/2006-IA.II (M) Amendment in existing EC letter for Century Cement Limestone Mine (MLA: 74.843) ha) with production capacity of 1.2MTPA located at villages Bahesar & Tulsi, Tehsil: Tilda, District: Raipur (Chhattisgarh) by M/s Century Textiles and Industries Limited. IA/CG/MIN/19471/2007 CONSIDERATION OF TOR PROPOSALS J-11015/171/2011-IA-II(M) (2.10).Koira Iron Ore Mine of M/s Essel Mining & Industries Ltd. located at Villages Koira, Kadodihi & Harischandrapur under Koira block of Koira Tehsil of Sundargarh District. Odisha (90.143 ha.) (1.5 MTPA to 4.0 MTPA) IA/OR/MIN/53847/2016

J-11015/288/2008-IA.II(M) Narayanposhi Iron & Manganese Ore Mines of Aryan Mining & Trading Corporation Pvt. Ltd. is in the villages of Koira & Kashira and Kathamala RF, Tehesil Koira, district Sundargarh, Odisha. The total lease area is 349.254 Ha & 6 MTPA iron ore and existing 0.036 MTPA Manganese ore with 2.0 MTPA beneficiation plant with crusher and screen plant by M/s Aryan Mining and Trading Corp. Ltd. IA/OR/MIN/41936/2016
J-11015/135/2012-IA.II (M) Increase in production of Iron Ore from 5.3 MTPA to 9.0 MTPA of Nadidih Iron & Manganese Mine of M/s Bonai Industrial Co. Ltd. located in Villages: Nadikasira & Rengalbeda in Sundargarh District, Odisha(73.855 ha.). IA/OR/MIN/73271/2018
J-11015/ 152/2005-IA-II(M) Expansion of Chhote Dongar Iron Ore Mine (from 0.05 MTPA to 2.5 MTPA) with Crushing and Screening (192.25Ha.) located at Village-Chottedongar, Tehsil & District-Narayanpur, Chhattisgarh by M/s Jayaswal Neco Industries Ltd. IA/CG/MIN/70103/2017
J-11015/25/2011-IA-II(M) Regarding obtaining Terms of Reference with respect to Environmental Clearance of proposed expansion project "Mangrol-Tilakera Limestone Mine" (ML No, - 07 /1997)having production capacity from 1.60 MTPA to 2.40 MTPA of M/s J.K. Cement Works situated near Village(s) - Mangrol and Tilakhera, Tehsil - Nimbahera, District - Chittorgarh(Raj.) for an area of 299.20 Hectare. IA/RJ/MIN/73839/2018

DAY 2:24th April, 2018 (Tuesday) (Brahmaputra, First Floor, Vayu Wing)

	CONSIDERATION OF TOR PROPOSALS (10.15 AM onwards)
(2.15).	J-11015/28/2018-IA.II(M) Devadari Iron Ore Mine of M/s KIOCL Limited (MLA: 470.40 ha.) for production of 2 MTPA of Iron Ore & 5000 TPA of Manganese Ore and setting up of Iron Ore Beneficiation Plant of capacity 1.6 MTPA in Devadari Range, Sandur Taluk, Bellary District in Karnataka. IA/KA/MIN/72345/2018
(2.16).	J-11015/29/2018-IA.II(M) Nandgaon-Ekodi Limestone Mine (Mining Lease Area 369.52 ha) with Production Capacity of 2.0 Million TPA of limestone falling in villages Nandgaon, Ekodi, Bhoygaon and Kawthala, Taluka- Korpana, District- Chandrapur (Maharashtra) by M/s Ambuja Cement Ltd. IA/MH/MIN/73281/2018
(2.17).	J-11015/30/2018-IA.II(M) Proposed Limestone Mine (Area: 52.353 Ha.) with Production Capacity of 1.0 million TPA limestone and 0.5 million TPA of waste At Villages Kundla, Suvakheda, Morka & Segwa, Tehsil Jawad, District Neemuch, Madhya Pradesh by M/s Ultra Tech Cement Ltd. IA/MP/MIN/73278/2018
(2.18).	J-11015/31/2018-IA.II(M) Environment Clearance for the Proposed Boulder, Gravel and Sand (Minor Mineral) Mining project at Village- Shamtoo, Mining lease area of 45 ha.(18,00,000 TPA) in District- Panchkula Haryana by M/s Ganesh Enterprises. IA/HR/MIN/72297/2018
(2.19).	J-11015/32/2018-IA.II(M) Boulder Gravel and Sand Minor Mineral Mining project at Kot and Dabkori Village Panchkula District, Haryana by M/s Krishna Enterprises(31.59 Ha & 12,50,000 TPA). IA/HR/MIN/72516/2018
(2.20).	J-11015/33/2018-IA.II(M) Minor Mineral River Bed mining project at Village Shamtoo and Rattewali, Tehsil & District Panchkula, Haryana over an area of 46.50 Ha with capacity of 20,00,000 TPA by M/s Starex Minerals. IA/HR/MIN/73803/2018
(2.21).	J-11015/34/2018-IA.II(M) Minor minerals Kalali and Kalyana of mining Project of M/s Ridhi Sidhi KSM resources -JV is situated at Khasra No223 min, 224 to 228 & 72, Village Kalali, Tehsil-Dadri, District:-Charkhi-Dadri, Haryana, over an area of 64.40 hectares

	(proposed rate of production is 58, 00,000TPA).
0	IA/HR/MIN/73862/2018
	RE-CONSIDERATION OF TOR PROPOSALS
(2.22).	J-11015/58/2017-IA.II(M) Pagara-Jhiriya Limestone Deposit Project of M/s Dalmia Cement (Bharat) Ltd. is situated near Village-Pagra, Jhiriya Kothar, Jhiriya Bajpain & Jhiriya Koparihan, Tehsil- Amarpatan, District- Satna (Madhya Pradesh) for an area of 395.965ha. with proposed capacity of 2.41MTPA. IA/MP/MIN/64735/2017
(2.23).	J-11015/74/2017-IA-II(M) The proposed mining Lease Area is 126.84 Ha. With production capacity is proposed annually up to 1,02,000 T manganese ore of ROM located in Gumgaon, Khodegaon and Tegai Village, Saoner Tehsil, Nagpur District, Maharashtra by M/s Moil Gumgaon. IA/MH/MIN/67094/2017
	AMENDMENT IN EC
(2.24).	J-11015/247/2007-IA.II (M) Amendment of EC to Kesari-Phansawde Iron ore Mine (MLA: 386.99 ha.) located at villages: Kesari & Phansawde in Sawantwadi Taluk in Sindhudurg Distt in Maharashtra by M/s Smt Neela V. Dempo & Shri Shrinivas V. Dempo. IA/MH/MIN/8105/2007
	Amendment in ToR
(2.25).	J-11015/119/2014-IA.II(M) EC for proposed Silica sand and Quartize Mine over an extent of 116.27 ha located at Village, Muddanur Mandal, YSR (Kadapa) District Andhra Pradesh by M/S. SHAIK JAMAL VALI- Extension of Validity of ToR. IA/AP/MIN/22849/2014
	Additional Agenda
(2.26).	Standardization of EC conditions in Non-coal mining sector

Agenda Item No. 3:

(3.1). Any other Matter with the permission of the Chairman.

Basic Information

Important Note: Please send the information by e-mail in word format and a signed &scanned copy to the Member Secretary prior to the EAC meeting. Please also provide a copy to the members of the EAC during the EAC meeting.

1.	PROJECT	DETAILS

- 1. Name of the project:
- 2. Name of the Company, Address Tele No. & E-mail Head of organization :
- 3. If a Joint venture, the names & addresses of the JV partners including their share
- 4. Latitude and Longitude of the project
- 5. Whether the project is in the Critically Polluted Area (CPA):
- 6. Cost of the project
- 7. Whether new or expansion project . If expansion:
 - (i) from MT to MT
 - (ii) What is the % of expansion
- 8. If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.
- 9. No. and Date of the ToR /and revised ToR, if any, letter issued by the MoEF (if this is a case for EC)
- 10. No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)
- 11. If the project was considered in EAC, Pl.give dates of the meeting (s).
- 12. Type of Mine: (Open cast/Underground/mixed):
- 13. Capacity of the mine applied for
- 14. ML Area
 - (i) As per block allotment
 - (ii) As per approved mine plan
- 15. Date of approval of mine plan, mine closure plan, status & date
- 16. Date of Board's approval:
- 17. Date of Ground water clearance and surface water approval.
- 18. Existing Ground water level in (M)
- 19. Date of mine closure approval
- 20. Any river/Nallah flowing near or adjacent to the proposed mine. If yes, please give details.

Details of mine lease:-

	1. Date of 1 st lease renewal	1. Date of 2 nd lease renewal	1. Date of 3 rd lease renewal
2. Date of expiry of	2. Whether renewal or deemed renewal	Whether renewal or deemed renewal	2
original lease deed	3. Date of expiry of 1 st	3. Date of expiry of	3
	lease renewal/deemed	2 nd lease renewal /	[ALSO FOR

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	renewal	deemed renewal	SUBSEQUENT RENEWALS]
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II TECHNICAL DETAILS

21. Geological Reserve:

- (i) Total geological reserve
- (ii) Mineable reserve
- (iii) Extractable reserve
- (iv) Per cent (%) of extraction
- (v) Range of ground water level
- (vi) Total estimated water requirement:
- (vii) Details of intersecting ground water level

22. Details of Deposits:

- (i) Depth of over body
- (ii) Grade of ore
- (iii) Stripping ratio
- 23. Method of mining:
- 24. Life of mine
- 25. Whether ambient air quality seasonal data has been monitored. If so, from which season to which season and whether the results are within the prescribed limits.
- 26. Whether the monitoring report of earlier EC from MoEF Regional Office has been obtained, in case the proposal is for expansion.

27. Details of O.B.

- (i) External OB dumps
- (ii) No of OB dumps
- (iii) Area of each dump
- (iv) Height of each dump
- (v) Quantity (in MCm) of OB in each dump
- (vi) Year of back filling
- (vii) No. of OB dumps reclaimed
- (viii) If garland drains and settlement facility for runoff created
- (ix) Whether runoff water being utilized

28. Details of Internal Dumps

- (i) Number of internal dumps
- (ii) Area of each dump
- (iii) Height of each dump
- (iv) Quantity of wastes filled (MCm)

29. Utilization potential of wastes

(i) Within the mines

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- (ii) Outside mines
- (iii) Efforts made by proponent

30. Details of final Mine Voids

- (i) Area
- (ii) Depth

31. Details of Quarry:

- (i) Total quarry area:
- (ii) Backfilled quarry area ofha shall be reclaimed with plantation
- (iii) A void of ha at a depth of m which is proposed to be converted into a water body
- (iv) Green belt created in ha.

32. Details of Land usage

- (i) Pre-mining
- (ii) Post- Mining
- (iii) Core area

33. Details of Forest issues

- (i) Total forest area involved (in ha) for mining lease.
- (ii) Total broken forest area.
- (iii) Status of Forest Clearance and extend of forest land diverted in ha.
- (iv) Is there any National Park, eco-sensitive Zones, within 10 km radius? If so, give the details.
- (v) Extent of forest land in the project (including safety zone and all types of forest land) (in ha)
- (vi) Total forest land for which Stage-1 FC is available (give area in ha), provide breakup of this area in following format:

Area (in ha)	Stage-1 FC issued vide letter no. & date	Validity period of earlier FC granted

- (vii) Balance forest land for which Stage-1 FC is not available (give area in ha)
- (viii) Details of wild life issues involved, if any. If so, whether WL management plan has been prepared; pl. indicate the status.
- (ix) Whether schedule -I species, if yes conservation plan is approved by CWLW?

34. Costs of the project:

- (i) Total capital Cost:
- (ii) Cost of Production:
- (iii) Sale Price:
- (iv) CSR cost:
- (v) R&R Cost:

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- (vi) No of PAFs:
- (vii) Cost for implementing EMP:

35. Details of villages/habitation in mine lease area

- (i) Inside the lease
- (ii) Surrender by lease
- (iii) Extent of cropland acquired/ being acquired in ha.

36. Details of transportation of mineral

- (i) In pit:
- (ii) Surface to siding:
- (iii) Siding to loading:
- (iv) Quantity being transported by Road/Rail/conveyer /ropeway
- (v) Proposed change in transportation means it any, give details

37. Details of reclamation:

- a. Afforestation shall be done covering an area of: ha at the end of mining. This will include:
 - (i) Reclaimed external OB dump (in ha):
 - (ii) internal dump (in ha),
 - (iii) Green belt (in ha)
 - (iv) Density of tree plantation (in no of plants)
 - (v) Void (in ha) at a depth of (in m)which is proposed to be converted into water body
 - (vi) Others in ha (such as excavation area along ML boundary, along roads and infrastructure, embankment area and in township located outside the lease etc).
 - (vii) Agriculture and horticulture
 - (viii) Fisheries
 - (ix) ECO Tourist/recreation spot

III. <u>LEGAL ISSUES</u>

- 38. Any court case pending. If so, please provide a list with details as annexure.
 - (i). Environment (Protection) Act
 - (ii). Air (P&CP) Act
 - (iii). Water (P&CP) Act
 - (iv). MMRD Act
 - (v). The Factories Act
 - (vi). Other land R&R related cases
- 39. Any violation cases pending. If so, please provide a list with details as annexure
- 40. Give details of actual production vis-à-vis sanctioned capacity since the inception of mine in following format or since 1993-94 as applicable:

Year	EC sanctioned capacity (MTPA)	Actual production (MTPA)	Excess production beyond the EC sanctioned capacity
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- IV. PUBLIC HEARING ISSUES
- 41. Date and Place of public hearing:
- 42. The designation of officer presided our the PH
- 43. Issues raised during Public Hearing and assurance given alongwith the financial provisions and action plan, if any, by the project proponent. (Please attach as an annexure in a tabular form.)
- 44. Number of representation received in writing from the district and outside of district, please give details

V. Consultant;

- 45. Name of the EIA consultant who prepared the EIA/EMP report.
- 46. Whether the consultant has been accredited by the QCI and NABET as per the MoEF OM dated 2nd December, 2009.
- 47. Name of specialists/consultants involved in making EIA report and in collecting data.
- VI. Other Information
- 48. One page summary for TOR and EC separately as applicable.
- 49. Brief Background of the Project as per table:

1.	Details of PP and Group companies	
	(a)Financial Position	
	(b)Group companies	
	(c)Legal issues	
	(d) Past and current litigations	
2.	Social, economic and environmental aspects of the	
	project in brief.	

LIST OF EXPERT APPRAISAL COMMITTEE (MINING - Non Coal Mining Sector)

SI. No.	Name and address	Designation	Date:23/04/20 18	Date:24/04/20 18
1.	Dr.Ajai Kumar B-1302, BestechParkView Spa, Sector-47, Gurgaon,	Chairman		
2.	Haryana Shri B Ramesh Kumar H-No. 6-1-134/6, Balram Compound, Padmarao Nagar,	Member	Here	
3.	Secundrabad- 500025,Andhra Pradesh Prof.Dr. K.S. Rana MaharanaManzil, 18, Dholpur House, (D.M. Compound), M.G. Road,Agra-1, Uttar Pradesh - 282001	Member		
1.	Prof. A. K. Bhatnagar, JA/4B, Ashok Vihar-I, Delhi – 110052	Member		
5.	Dr. N. C. Karmakar Department of Mining Engineering, Indian Institute of Technology (BHU), Varanasi – 221 005, Uttar Pradesh	Member		
3.	Dr.Hemant S. Sahasrabuddhe "Utkarsha", LB-53, Housing Board Cology, Laxminagar, Nagpur-440022	Member		
7.	Prof. S. Ramakrishna Rao 50-120-9/1, Tulasi Mani Regency North Extension, Seethammadhara, Visakhapatnam - 530013 Andhra Pradesh.	Member		
8.	Dr.HimanshuPathak, Professor, Center for Environment Science and Climate Resilient Agriculture, Indian Agricultural Research Institute, New Delhi 110 012	Member		
9.	Dr AL. Ramanathan Professor, School of Environmental Sciences, Jawaharlal Nehru University. New Mehrauli Road, New	Member		
10.	Delhi- 110067 Dr.Tushar Kant Joshi, LaxmikantNiwas, SalanGaon, Bhagwantpur, Dehradun- 248009, Uttrakhand.	Member		
11.	ShriSantosh Gupta, Flat No. 405, Block –B, Gaur Green Vista, NyayKhand - 1, Indrapuram, Ghaziabad-201014	Member		
12.	Representative of Ministry of Mines Shri. Pushpender Gaur, Dy. Controller of Mines, Ministry of Mines, Shastri Bhawan New Delhi-110001.	Member		
13.	Representative of Indian Meteorological Mr. V.K. Soni, Scientist "E", (Meteorology/Air Pollution), 609, SatMet Building, MausamBhawan,Indian Meteorological Department,Lodhi Road, New Delhi-110003	Member		
14.	Representative of Wildlife Institute of India, Dr. (Ms.) AshaRajvanshi, Wildlife Institute of Inida, Chandrabani, Dehradun- 248001	Member		
15.	Director IA-Division (Non Coal Mining) Vayu-305, Indira ParyavaranBhawan, Ministry of Environment, Forest& CC, Jorbagh Road, Lodhi Road, New Delhi-110003			