



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)



Agenda of Expert Appraisal Committee

Meeting ID : IA/IND/13340/29/09/2022
Meeting Venue : Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003 through Video Conferencing (VC)
Meeting Type : Video Conference
Agenda Generation Date : 19-09-2022

The following proposals are being considered for deliberation in the Expert Appraisal Committee as per the schedule given below :

Meeting Schedule :

S.No	Meeting date	Time (From)	Time (To)
1	29 Sep 2022	09:00 AM	18:00 PM

Date of Meeting : 29-09-2022

S.No	Proposal No.	File No.	Proposal Name	Company Name	Location	Proposal Type
1	IA/CG/IND/2 88393/2004	NIL	Environmental Clearance for the proposed expansion of Steel Plant	SUNIL ISPAT AND POWER LIMITED	Tehsil: Raigarh District: Raigarh State: Chhattisgarh	EC
2	IA/GJ/IND/2 69061/2007	J- 11011/250/2 007.IA. II(I)	Expansion of Integrated Steel Plant at Plot No. 332 GIDC, Phase II, Khasra No. 104, 116/1, 116/2 and 117/1, Mithirohar, Taluka Gandhidham, District Kutch, Gujarat	SHREEYAM POWER AND STEEL INDUSTRIES LIMITED	Tehsil: Gandhidham District: kutch State: Gujarat	EC
3	IA/WB/IND/2 14214/2021	IA-J- 11011/265/2 021-IA-II(I)	Proposed Expansion of existing Rolling Mill products-Angles (Structure), Pipes, Profile and Strips from 77400 TPA to 200000 TPA & New installation of 3x15T Induction Furnace for Manufacturing of M.S. Ingot/Billet (200000 TPA) at Kashiram Jote, Phulbari Ghoshpukur Bypass, Silliguri, District-Darjeeling West Bengal- 734434 by M/s Purbanchal Concast Pvt. Ltd.	M/S PURBANCHAL CONCAST PVT. LTD.	Tehsil: Phansidewa District: Darjeeling State: West Bengal	EC
4	IA/CG/IND/1 42231/2017	J- 11011/347/2 017-IA-II(I)	Real Power Private Limited	REAL POWER PRIVATE LIMITED	Tehsil: No Data District: Mungeli State: Chhattisgarh	EC
5	IA/CG/IND/2 91775/2022		SHRI BAJRANG POWER & ISPAT LIMITED Proposed Expansion of Integrated Steel	SHRI BAJRANG POWER ISPAT LIMITED	Tehsil: Raipur District: Raipur State: Chhattisgarh	Amendment TOR

Date of Meeting : 30-09-2022

S.No	Proposal No.	File No.	Proposal Name	Company Name	Location	Proposal Type
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1	IA/KA/IND/2 90414/2012	SEIAA:32:IN D: 2012	Expansion of Steel Plant Sponge Iron (175 TPD to 375 TPD), Rolling Mill (72,000TPA) and Captive Power Generation 12 MW (WHRB 6 MW, AFBC 6 MW) located at Village Chikkabaganal, Post Kerikihalli and Dis	BABA AKHILA SAI JYOTHI INDUSTRIES PVT LTD	Tehsil: Koppal District: Koppal State: Karnataka	EC
2	IA/CG/IND/4 8966/2007	J- 11011/355/2 005-IA.II(I)	Amendment EC for use of fuel-mix in 48 MW CPP.	AMBUJA CEMENT LIMITED	Tehsil: Baloda Bazar District: Balodabazar State: Chhattisgarh	EC
3	IA/UP/IND/2 28969/2021	IA-J- 11011/361/2 021-IA- II(IND-I)	Proposed Standalone Grinding Unit with Cement Production Capacity 3.0 MTPA and D.G Set of 250 KVA along with Railway siding at Salai Banwa, Village: Panari and Kota, Tehsil: Obra, District: Sonbhadra (Uttar Pradesh) by M/s. ACC Limited	M/s ACC Limited	Tehsil: Obra District: Sonbhadra State: Uttar Pradesh	EC
4	IA/MH/IND/2 91820/2022		Vinay Alloys	M/S VINAY ALLOYS	Tehsil: Umred District: Nagpur State: Maharashtra	Amendment TOR

Any Other Item with Permission of Chairman:

S.No	Proposal No.	File No.	Proposal Name	Company Name	Location	Remarks
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List of EAC Member :

S.No	Members Name	Designation	Email_ID
1	Shri. Rajive Kumar, IFS (Retired)	Chairman	chairman.eac.ind.1@gmail.com
2	Dr. S Ranganathan	Member	ranganathan.metals@gmail.com
3	Dr. Ranjit Prasad	Member	ranjitnitj@gmail.com
4	Dr. E V R Raju	Member	rajuevr60@gmail.com
5	Dr. S. K. Singh	Member	sksinghdce@gmail.com
6	Dr. Jai Krishna Pandey	Member	drjkpandey.eac.industry1@gmail.com
7	Dr. Dipankar Shome	Member	dshome61@gmail.com
8	Dr. Tejaswini Ananthkumar	Member	tejaswini.acf@gmail.com
9	Dr. Hemant Sahasrabuddhe	Member	sshemant_801@rediffmail.com
10	Dr B Mohapatra, Director General, (Representative of National Council for Cement and Building Materials)	Member	dg@ncbindia.com
11	Shri Nazimuddin, Scientist 'F', (Representative of Central Pollution Control Board)	Member	nazim.cpcb@nic.in
12	Dr. S. Raghavan, Scientist 'D', (Representative of National Institute of Occupational Health)	Member	raghuharihar@gov.in
13	Dr. Sanjay Bist, Scientist 'E', (Representative of Indian Meteorological Department)	Member	sanjay.bist@imd.gov.in
14	Dr. R. B. Lal	Member Secretary	rb.lal@nic.in

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(IA DIVISION-INDUSTRY-1 SECTOR)

Dated: 19.09.2022

AGENDA FOR 14th MEETING OF THE EXPERT APPRAISAL COMMITTEE (INDUSTRY-1 SECTOR), SCHEDULED TO BE HELD ON SEPTEMBER 29-30, 2022

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

- 1.** It is informed that the 14th Meeting of EAC is scheduled to be held during **September 29-30, 2022** through **Video Conferencing Mode** and accordingly all Project Proponents are requested to send all the documents (viz. Presentation, Brief, EIA/EMP Report and other requisite documents) to the EAC/Ministry immediately or latest by **22.09.2022**.
- 2.** It is requested that the Project Proponent or his/her authorized representative should **participate the presentation meeting of EAC through Video Conferencing** who can make a presentation on their behalf on the salient features of the project, the related environmental issues, proposed Environmental Management Plan and also respond to the queries/suggestions of the Committee. The name of representatives may be communicated in advance.
- 3.** NIC, MoEFCC will moderate the Video Conferencing meeting. The Guidelines related to connecting VC is annexed herewith. PP has to communicate the name of person and his mobile number attending the EAC meeting and be ready before 1 hour of the slot allowed to them. If any problem faced please contact Mr. Kamal, Moderator, NIC (Mobile No. 8800225087, email- support-ipb@nic.in). **PP is requested to join the meeting in VC with Agenda No. [(for ex. 14.1 (Name of PP) & Name of Consultant)].**
- 4.** For the purpose, the documents such as Form-1, Pre-feasibility report, Environment Impact Assessment Report, public hearing report, Action Plan on the issues raised during PH, queries (EDS and ADS) subsequently raised by the Ministry, if any, and your para-wise comments thereto etc., in accordance with Environment Impact Assessment Notification, 2006 are required to be forwarded to the Chairman/Members of the Expert Appraisal Committee including details of the court matters/Orders of the Court pertaining to the project, if any. **Accordingly, it is requested to forward a copy of each of these said documents by soft copy/e-mail to the Chairman/members of the Expert Appraisal Committee by 22.09.2022. Address for correspondence with e-mail of the Chairman/Members are enclosed for necessary action. Further, hard copy of Brief and PPT shall send to the EAC Members positively by 22.09.2022.**
- 5.** It may be ensured that the Members receive the aforesaid requisite documents in soft copy/e-mail pertaining to the projects latest by **22.09.2022 positively. Failing which the Committee will not consider the project.**
- 6.** Any changes/modification with respect to the agenda would be indicated in the Ministry's website. You are also requested to keep track of the status of your project from the Ministry/s Website i.e., www.parivesh.nic.in.
- 7.** **In addition to the above, kindly send a brief write up (Format enclosed as Annexure – 1) of project (maximum 3-4 pages in MS-word format) along with the power point presentation containing salient features of the project with compliance to the stipulated ToR's preferably not exceeding 35-40 slides to the following email address as well as to the EAC members by 22.09.2022. A copy of the template for EC and ToR presentation is enclosed herewith.** Further, the nodal officer and consultant contact details (Name, Designation, Mobile and E-mail) for the VC shall also be sent in the format given below:

Item No.	Proposal No with Company Name	Name of the Nodal person and consultant to be contacted	Contact Mobile/ E-mail

8. During presentations all the important features/critical parameters 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), SPA, OPA**, etc. should be clearly indicated in an area of 10 km radius of the proposed site. The KML/Shape files should be emailed on the below mentioned email addresses **immediately or before 22.09.2022**.
9. During presentations all the important features/critical parameters such as **details of Court cases and directions of the SPCB and its implementation status needs to be presented**.
10. **In accordance with the circular no. J-11011/618/2010-IA.II (I) dated 30.5.2012, in case of expansion project, 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. In case of Unit is operating with CTO, a certified compliance report from the SPCB needs to be submitted as per TOR granted to the project. The status of compliance of the conditions stipulated in the EC/TOR as highlighted in the report(s) will be discussed by the EAC during appraisal of the project.**
11. **The Project Proponents 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. 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) in the EIA/EMP report.
13. **The Consultants are now being graded based on the EIA/EMP Report, Impact assessment and its mitigation measures to the projects and its presentation made before the EAC. Therefore, the Consultant shall follow all the Rules/Guidelines issued by the Ministry from time to time and make the correct Report, failing which necessary action against the consultant may be taken accordingly. Consultant shall submit the Plagiarism Certificate accordingly.**
14. **The PP shall submit the detailed green belt development plan along with details of species, timelines, budget provisions and also implementation status (for existing unit).**
15. **The presentation shall also include details of carbon foot prints and carbon sequestration study w.r.t. proposed project needs to spell out. Proposed mitigation measures also needs to be included in the PPT and submitted for further appraisal of the EAC.**
16. **Details of drone survey for the site, if conducted, needs to be presented before the EAC during appraisal of the project.**
17. **It is also requested that consultant to submit photo affidavit that EIA coordinator has visited the site and all the details and facts in the reports are correct.**

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(Dr. R. B. Lal)
Additional Director &
Member Secretary, EAC (Industry-1 Sector)
Email- rb.lal@nic.in Tel: 011-20819346

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

**AGENDA FOR 14th EXPERT APPRAISAL COMMITTEE (INDUSTRY-1 SECTOR)
MEETING TO BE HELD DURING SEPTEMBER 29-30, 2022**

Venue: Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003 through Video Conferencing (VC)

DAY 1: SEPTEMBER 29th, 2022 (THURSDAY)

Time: 10:30 Hrs -18:00 Hrs

Consideration of Environmental Clearance Proposals

- 14.1** Expansion of Steel Plant – DRI Kiln (Sponge Iron from 1,15,000 TPA to 3,46,500 TPA), Induction Furnaces with matching LRF & CCM (MS Billets / Ingots from 30,000 TPA to 3,46,800 TPA), Rolling Mill with hot charging (Rolled Products 30,000 TPA to 2,90,000 TPA), New Rolling Mill with Conventional with LDO (Rolled Products 30,000 TPA), New Ferro Alloy Unit with 2x18 MVA Submerged Electric Furnaces (FeMn 90,000 TPA/SiMn 60,000 TPA / FeCr 60,000 TPA / FeSi 30,000 TPA/Pig Iron – 90,000 TPA /Cast iron – 90,000 TPA), WHRB based Power Plant from 12 MW to 34 MW, CFBC based Power Plant 4.9 MW to 29.9 MW & New Fly Ash brick manufacturing unit (38,000 Bricks/day) & Briquetting plant by **M/s Sunil Ispat & Power Limited**, located at Khasra Nos. 98/1, 103, 109, 110, 111/1, 111/2, 111/4, 112, 113, 114, 115, 118 & 134, At Chiraipani Village, Lakha Gram Panchayat, Raigarh Tehsil & District, **Chhattisgarh – Consideration of Environmental Clearance**

[Proposal No. IA/CG/IND/288393/2004; File No. IA-J-11011/13/2021-IA-II(IND-I)]
[Consultant: Pioneer Enviro Laboratories And Consultant Private; valid upto 21.09.2022]

- 14.2** Expansion of Integrated Steel Plant by **M/s Shreeyam Power & Steel Industries Limited**, located at Plot No. 332 GIDC, Phase II, Khasra No. 104, 116/1, 116/2 and 117/1, Mithirohar, Taluka Gandhidham, District Kutch, **Gujarat– Consideration of Environmental Clearance**

[Proposal No. IA/GL/IND/269061/2007; File No. J-11011/250/2007-IA.II(I)]
[Consultant: Kadam Environmental Consultants; valid upto: 19.05.2023]

- 14.3** Expansion of existing Rolling Mill products-Angles (Structure), Pipes, Profile and Strips from 77400 TPA to 200000 TPA & New installation of 3x15T Induction Furnace for Manufacturing of M.S. Ingot/Billet (200000 TPA) at Kashiram Jote, Phulbari Ghoshpukur Bypass, Silliguri, District-Darjeeling, **West Bengal** by **M/s Purbanchal Concast Pvt. Ltd.- Consideration of Environmental Clearance**

[Proposal No. IA/WB/IND/214214/2021; File No. IA-J-11011/265/2021-IA-II(I)]
[Consultant: ULTRA-TECH; valid upto 09.03.2023]

Re-consideration of Environmental Clearance Proposal

- 14.4** Establishment of 1 x 9 MVA Ferro Alloys plant (Silicon Manganese–14400 TPA or Ferro Manganese–25200 TPA or Ferro Chrome–15000 TPA or Ferro Silicon–7000 TPA or Pig Iron –25200 TPA) in existing 7.5 MW Biomass based Power Plant premises (Forward Integration) in existing plant premises by **M/s Real Power Private Limited**, located at Khamhardih Village, Pathariya Tehsil, Mungeli District, **Chhattisgarh– Re-Consideration of Environmental Clearance**

[Proposal No. IA/CG/IND/142231/2017; File No. J-11011/347/2017-IA.II(I)]

Modification/Amendment in TOR Proposal

- 14.5** Expansion of Integrated Steel Plant by **M/s Shri Bajrang Poser and Ispat Ltd.**, Located at Borjhara Village, Urla Guma Road, Urla Growth Center, Raipur District, **Chhattisgarh- Amendment in TOR**

[Proposal No. IA/CG/IND/291775/2022; File No. J-11011/531/2007-IA.II (I)]

DAY 2: SEPTEMBER 30th, 2022 (FRIDAY)

Time: 10:30 Hrs -18:00 Hrs

Consideration of Environmental Clearance Proposals

- 14.6** Expansion of Steel Plant Sponge Iron (175 TPD to 375 TPD), Rolling Mill (72,000TPA) and Captive Power Generation 12 MW (WHRB 6 MW, AFBC 6 MW) located at Village Chikkabaganal, Post Kerikihalli and District Koppal, Karnataka by **M/s Baba Akhila Sai Jyothi Industries Pvt. Ltd.**, located at Village Chikkabaganal, Post Kerikihalli and District Koppal, **Karnataka– Consideration of Environmental Clearance**

[Proposal No. IA/KA/IND/290414/2012; File No. IA-J-11011/163/2010-IA.II(I)]
[Consultant: Shree Green Consultants; valid upto 24.02.2024]

- 14.7** Proposed Expansion of Integrated Cement Plant - Clinker (4.8 to 8.1 MTPA), Cement (3.5 to 6.5 MTPA) and WHRS (18 to 43 MW) by installation of new line -III by at **M/s. Ambuja Cements Limited**, located at Village: Rawan, Tehsil: Bhatapara, District: Balodabazar- Bhatapara, **Chhattisgarh – Consideration of Environmental Clearance**

[Proposal No.; IA/CG/IND/48966/2007; File No. J-11011/355/2005-IA.II(I)]
[Consultant: J.M. EnviroNet Pvt. Ltd.; valid upto 07.02.2023]

Re-consideration of Environmental Clearance Proposal

- 14.8** Proposed Standalone Grinding Unit with Cement Production Capacity of 3.0 Million TPA and D.G Set of 250 KVA along with Railway Siding at Salai Banwa, Villages: Panari and Kota, Tehsil: Obra, District: Sonbhadra, **Uttar Pradesh by Ms ACC Limited- Consideration of Environmental Clearance.**

[Proposal No. IA/UP/IND/228969/2021; File No. J-11011/361/2021-IA.II(I)]
[Consultant: J.M. EnviroNet Pvt. Ltd.; Valid upto 07.02.2023]

Modification/Amendment in TOR Proposal

- 14.9** Proposed for Amendment in TOR (in violation category) of Manufacturing of production of either or Combination of High Carbon Ferro Manganese (24000 TPA) OR Ferro Silicon (7750 TPA) OR Silico Manganese (15000 TPA) OR Pig Iron (24000 TPA) with installation of 2 x 6 MVA Capacity Submerged Arc Furnace by **M/s Vinay Alloys**, located at Plot No. D – 17, Umred MIDC, Nagpur District, **Maharashtra– Consideration of TOR**

[Proposal No. IA/MH/IND/291820/2022; File No. IA-J-11011/14/2021-IA-II(IND-I)]

- 14.10 Any other item with permission of the Chair.**

Format for Brief Write-Up [Environment Clearance including para 7(ii) and ADS cases]

1. M/s. has made an online application vide proposal no.
 Dated along with copy of EIA/EMP report, Form – 2 and Certified compliance report [Only for expansion and clause 7(ii) cases] seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. (all schedules pertaining to the project).....
 Under Category “.....” Of the schedule of the EIA Notification, 2006 and attracts general condition due to..... (if applicable) and appraised at Central Level.

2. The detail of the ToR is furnished as below: (Not applicable for clause 7(ii) cases)

Date of application	Consideration	Details	Date of accord	ToR Validity
 meeting of EAC held on	Terms of Reference		
 meeting of EAC held on	Amendment (if any)		

3. The project of M/s.....located inVillage, Tehsil, District, State is for setting up of a new For production of Million Tons Per Annum (MTPA)/ enhancement of production of From..... to MTPA.

4. Environmental site settings

Environmental Site Settings

S. No.	Particulars	Details	Remarks															
1.	Total land	----- ha [Private: ---- ha; Govt: ---- ha; Agriculture: ---- ha; and Grazing land: -----]	Land use:															
2.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014																	
3.	Existence of habitation & involvement of R&R, if any.	Project site: Name of village (if any) Study Area: <table><tr><th>Habitation</th><th>Distance</th><th>Direction</th></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>	Habitation	Distance	Direction										Status of R&R.			
Habitation	Distance	Direction																
4.	Latitude and Longitude of <u>all corners</u> of the project site.	<table><tr><th>Point</th><th>Latitude</th><th>Longitude</th></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>	Point	Latitude	Longitude													
Point	Latitude	Longitude																
5.	Elevation of the project site M above mean sea level																
6.	Involvement of Forest land if any.	Status of stage I Forest Clearance: Area of the forest land involve:																
7.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	Project site: Name Study area <table><tr><th>Water body</th><th>Distance</th><th>Direction</th></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>	Water body	Distance	Direction							Authenticated HFL data of the water body shall be furnished.						
Water body	Distance	Direction																

S. No.	Particulars	Details	Remarks
8.	Existence of ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. if any within the study area	Study area Name of the ESZ/ESA: Status of Notification: Distance of project from ESZ/ESA: Authenticated map of ESZ projecting distance of ESZ from project site: Status of NBWL approval: List of Reserved and protected forests:	

5. The existing project was accorded environmental clearance (OR) Consent to Establish [in case of not obtained EC] vide Ir.no. dated..... In case of CTE, reasons for not obtaining EC under the provisions of EIA Notification, 1994 and 2006 shall be furnished. Consent to Operate for the existing unit was accorded byState Pollution Control Board vide Ir. No. dated.....The validity of CTO is up to [Only for expansion and clause 7(ii) cases]
6. Implementation status of the existing EC [Only for expansion and clause 7(ii) cases]

S. No.	Facilities	Units	As per EC dated -----	Implementation Status as on -----	Production as per CTO

7. The unit configuration and capacity of existing [Only for expansion and clause 7(ii) cases] and proposed project is given as below:

Sl. No.	Plant Equip ment/ Facility	Existing facilities as per EC dated And subsequent amendment dated....(if any)								Proposed Units		Final (Existing + Proposed)		Remarks
		Total (A+B)		Implemented (A)		Un-impleme nted (B)		As per CTO						
		Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	

8. The details of the raw material requirement for the proposed project/ expansion cum proposed project along with its source and mode of transportation is given as below:

S. No.	Raw Material	Quantity required per annum			Source	Distance from site (Kms)	Mode of Transportation
		Existing	Expansion	Total			

9. Existing Water requirement is m³/day, water requirement is obtained from and permission for the same has been obtained from vides letter no..... dated [Only for expansion and clause 7(ii) cases]. The water requirement for the proposed project is estimated asm³ /day, out of which.....m³/day of fresh water requirement will be obtained from the..... and the remaining requirement of....m³ /day will be met from the The permission for drawl

of groundwater / surface water is obtained from Vide Lr. No. Dated.....

10. Existing power requirement of MW is obtained from..... *[Only for expansion and clause 7(ii) cases]*. The power requirement for the proposed project is estimated asMW, out of whichMW will be obtained from the

11. Baseline Environmental Studies *(In case of clause 7(ii) projects from post project monitoring data)*

Period	Additional study (if any)																				
AAQ parameters at Locations (min and max)	PM _{2.5} = To µg/m ³ PM ₁₀ = To Mg/m ³ SO ₂ = to µg/m ³ Nox = To µg/m ³ CO = To µg/m ³																					
Incremental GLC level	PM ₁₀ = µg/m ³ (Level atkm in..... Direction) SO ₂ = µg/m ³ (Level atkm in..... Direction) Nox = µg/m ³ (Level atkm in..... Direction) CO = µg/m ³ (Level atkm in..... Direction)																					
Ground water quality at locations	pH:to...., Total Hardness:to.... mg/l, Chlorides: to mg/l, Fluoride:.....to mg/l. Heavy metals.....																					
Surface water quality at locations	pH:to; DO:to.... mg/l and BOD:mg/l. COD from....to.....mg/l																					
Noise levels Leq (Day and Night) to for the day time and to for the Night time.																					
Traffic assessment study findings	<ul style="list-style-type: none"> Traffic study has been conducted at NH/SH/MDR.....which is approximately.....(distance) from the plant site. Transportation of raw material, fuel & finished product will be done% by road. Existing PCU is PCU/hr on(NH/SH/MDR) and existing level of service (LOS) is: <table border="1"> <thead> <tr> <th>Road</th> <th>V (Volume in PCU/hr.)</th> <th>C (Capacity in PCU/hr.)</th> <th>Existing V/C Ratio</th> <th>LOS</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <ul style="list-style-type: none"> PCU load after proposed project will be.....(Existing) +(Additional) PCU/hr and level of service (LOS) will be: <table border="1"> <thead> <tr> <th>Road</th> <th>V (Volume in PCU/hr.)</th> <th>C (Capacity in PCU/hr.)</th> <th>Proposed V/C Ratio</th> <th>LOS</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>* Note: Capacity as per IRC-..... Guide line for capacity for roads.</p> <p>Conclusion: The level of service will after</p>	Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Existing V/C Ratio	LOS						Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Proposed V/C Ratio	LOS						
Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Existing V/C Ratio	LOS																		
Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Proposed V/C Ratio	LOS																		

	including additional traffic due to proposed project.	
Flora and fauna	Presence of schedule I fauna and endangered Flora if any. If yes, status of site specific wildlife conservation plan.	

12. The details of solid and hazardous waste generation along with its mode of treatment/disposal is furnished as below:

S. No.	Type of Waste	Source	Quantity generated (TPA)	Mode of Treatment	Disposal	Remarks

13. Public Consultation: *(In case of clause 7(ii) cases, only details of earlier public consultation shall and its implementation status shall be furnished)*

Details of advertisement given	
Date of public consultation	
Venue	
Presiding Officer	
Major issues raised	----- -----

Action plan as per MoEF&CC O.M. dated 30/09/2020

S. No	Physical activity and action plan		Year of implementation (Budget in INR)			Total Expenditure (Rs. in Crores)
	Name of the Activity	Physical Targets	1 st	2 nd	3 rd	

14. Existing capital cost of project was.....*[Only for expansion and clause 7(ii) cases]*. The capital cost of the proposed project is Rs.....Crores and the capital cost for environmental protection measures is proposed as Rs.....Crores. The annual recurring cost towards the environmental protection measures is proposed as Rs.....Crores. The employment generation from the proposed project / expansion is..... The details of cost for environmental protection measures is as follows:

S.No.	Description of Item	Existing (Rs. In Crores/lakhs)		Proposed (Rs. In Crores/lakhs)	
		Capital Cost	Recurring Cost	Capital Cost	Recurring Cost
(i).	Air Pollution Control/ Noise Management				
(ii).	Water Pollution Control				
(iii).	Environmental Monitoring and Management				
(iv).	Green Belt Development				
(v).	Addressal of Public Consultation concerns				
	Details of adoption of villages, if any				

15. Existing green belt has been developed in ha area which is about ...% of the total project area ofha with total sapling of Trees *[Only for expansion and clause 7(ii) cases]*. Proposed greenbelt will be developed in ha which is about% of the total project area. Thus total of ha area (.....% of total project area) will be developed as greenbelt. A ---m wide greenbelt, consisting of at least 3 tiers around plant boundary will be developed as greenbelt and

green cover as per CPCB/MoEF&CC, New Delhi guidelines. Local and native species will be planted with a density of 2500 trees per hectare. Total no. of saplings will be planted and nurtured in hectares in years.

16. It has been reported that following will be resource consumption after the proposed change: **[In case of clause 7(ii) cases only]**

Particulars	As per EC dated -----	After proposed change under para 7(ii)	% increase
Land			
Greenbelt			
Water			
Power			
Rawmaterials			
Products			

17. Pollution load assessment **[In case of clause 7(ii) cases only]**

Particulars	As per EC dated -----	After proposed change under para 7(ii)	% increase
Air			
Water			
Solid and Hazardous waste			
Traffic load			

18. Summary of violation under EIA, 2006/court case/show cause/direction if any, related to the project under consideration shall be furnished.
19. Name of the EIA consultant: M/s[S.No., List of ACOs with their Certificate / Extension Letter no.....; Valid up to..... Rev.,].
20. **Certified compliance report from Regional Office** **[Only for expansion and clause 7(ii) cases]**
The Status of compliance of earlier EC was obtained from Regional Office, vide letter no., dated in the name of M/s. The Action taken report regarding the partially/non-complied condition was submitted to Regional officer MoEF&CC, vide letter no. dated MoEF&CC (RO), evaluated the same and has issued letter dated The details of the observations made by RO in the report dated along with its re-assessment / present status as furnished by the PP is given as below.

S. No.	Non-compliances details	Observation of RO (abridged)	Condition no.			Re-assessment by RO / Response by PP
			EC date	Specific	General	

ADS Information in chronology **[Only for ADS cases]**

21. M/s. made an online application vide proposal no. dated The proposal was initially considered in meeting of Re-constituted EAC (Industry-1) held on Proposal was deferred for want of additional information. The observations and recommendation is given as below:
22. The proponent submitted the ADS reply vide letter dated uploaded on PARIVESH on..... Point-wise reply of ADS is given as below:

S No	ADS Point	Reply/Response of PP

Format for Brief Write-Up (ToR)

1. M/s. has made an application online vide proposal no. dated along with the application in prescribed format (Form-I), copy of pre-feasibility report and proposed ToRs for undertaking detailed EIA study as per the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at S. No. under Category “...” of the schedule (all schedules pertaining to the project) of the EIA Notification, 2006 and attracts general condition due to..... (if applicable) being appraised at Central Level.
2. The project of M/s.....located inVillage,Tehsil ,District,.....State is for setting up of a new for production ofMillion Tons Per Annum (MTPA)/ enhancement of production of from..... toMTPA.

3. Environmental site settings

S.No.	Particulars	Details	Remarks															
i.	Total land	----- ha [Private: ---- ha; Govt: ---- ha; Agriculture: ---- ha; and Grazing land: ----]	Land use:															
ii.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014																	
iii.	Existence of habitation & involvement of R&R, if any.	Project site: Name of village (if any) Study Area: <table border="1"> <thead> <tr> <th>Habitation</th><th>Distance</th><th>Direction</th></tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Habitation	Distance	Direction										Status of R&R.			
Habitation	Distance	Direction																
iv.	Latitude and Longitude of <u>all</u> <u>corners</u> of the project site.	<table border="1"> <thead> <tr> <th>Point</th><th>Latitude</th><th>Longitude</th></tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Point	Latitude	Longitude													
Point	Latitude	Longitude																
v.	Elevation of the project site m above mean sea level																
vi.	Involvement of Forest land if any.	Status of stage I Forest Clearance: Area of the forest land involve:																
vii.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	Project site: Name Study area <table border="1"> <thead> <tr> <th>Water body</th><th>Distance</th><th>Direction</th></tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Water body	Distance	Direction										Authenticated HFL data of the water body shall be furnished.			
Water body	Distance	Direction																
viii.	Existence of ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve	Study area Name of the ESZ/ESA: Status of Notification: Distance of project from ESZ/ESA: Authenticated map of ESZ projecting distance of ESZ from project site:																

S.No.	Particulars	Details	Remarks
	etc. if any within the study area	Status of NBWL approval: List of Reserved and protected forests:	

4. The existing project was accorded environmental clearance (OR) Consent to Establish [in case of not obtained EC] vide Ir.no. dated..... In case of CTE, reasons for not obtaining EC under the provisions of EIA Notification, 1994 and 2006 shall be furnished. Consent to Operate for the existing unit was accorded byState Pollution Control Board vide Ir. no. dated.....The validity of CTO is up to **[Only for expansion and clause 7(ii) cases]**
5. Implementation status of the existing EC **[Only for expansion cases]**

Sl. No.	Facilities	Units	As per EC dated -----	Implementation Status as on -----	Production as per CTO

6. The unit configuration and capacity of existing **[Only for expansion cases]** and proposed project is given as below:

Sl. No.	Plant Equipmen t/ Facility	Existing facilities as per EC dated and subsequent amendment dated....(if any)								Proposed Units		Final (Existing + Proposed)		Remarks
		Total (A+B)		Implemente d (A)		Un- implemented (B)		As per CTO						
		Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	Configuration	Capacity	

7. The details of the raw material requirement for the proposed project/ expansion cum proposed project **[Only for expansion cases]** along with its source and mode of transportation is given as below:

S. No.	Raw Material	Quantity required per annum			Source	Distance from site (Kms)	Mode of Transportation
		Existing	Expansion	Total			

8. Existing Water requirement is m³/day, water requirement is obtained from and permission for the same has been obtained from vides letter no..... dated **[Only for expansion]**. The water requirement for the proposed project is estimated asm³ /day, out of which.....m³/day of fresh water requirement will be obtained from the..... and the remaining requirement of....m³ /day will be met from the The permission for drawl of groundwater / surface water is obtained from vide Lr. No. dated.....

9. Existing power requirement of MW is obtained from..... *[Only for expansion]*. The power requirement for the proposed project is estimated asMW, out of whichMW will be obtained from the
10. The capital cost of the project is Rs.....Crores and the capital cost for environmental protection measures is proposed as Rs.....Crores. The employment generation from the proposed project / expansion is.....
11. Summary of violation under EIA, 2006/court case/show cause/direction if any, related to the project under consideration shall be furnished.
12. Name of the EIA consultant: M/s[S.No., List of ACOs with their Certificate / Extension Letter no.....; Valid up to..... Rev.,]
13. Proposed Terms of Reference (***Baseline data collection period: -----***)

Attributes	Parameters	Sampling		Remarks
A. Air		No. of stations	Frequency	
a. Meteorological parameters				
b. AAQ parameters				
B. Noise				
C. Water				
Surface water/Ground water quality parameters				
D. Land				
a. Soil quality				
b. Land use				
E. Biological				
a. Aquatic				
b. Terrestrial				
F. Socio-economic parameters				

ADS Information in chronology *[Only for ADS cases]*

14. M/s. made an online application vide proposal no. dated The proposal was initially considered in meeting of Re-constituted EAC (Industry-1) held on Proposal was deferred for want of additional information. The observations and recommendation is given as below:
15. The proponent submitted the ADS reply vide letter dated uploaded on PARIVESH on..... Point- wise reply of ADS is given as below:

S No	ADS Point	Reply/Response of PP

Slide no. 1

<h2 style="margin: 0;">NAME OF THE PROJECT</h2>	
EAC MEETING DETAILS & AGENDA NO.	PROPOSAL NO. FILE NO.
<ul style="list-style-type: none"> • NAME OF THE PROJECT PROPONENT WITH ADDRESS 	<ul style="list-style-type: none"> • NAME OF THE CONSULTANT • NABET REGISTRATION NO. • VALIDITY

1

Slide no. 2:

BRIEF INFORMATION		
SL. NO.	PARTICULARS	DETAILS
1.	DATE OF GRANT OF ToR	
2.	BASELINE STUDY PERIOD	
3.	DATE OF PUBLIC HEARING	
4.	PROJECT COST	
5.	EMP COST (CAPITAL AND RECURRING)	
6.	MANPOWER DETAILS	
7.	DETAILS IF PROJECT FALLS UNDER THE PURVIEW OF A) FCA,1980 B) WLPA,1972 C) CRZ, 2011	
8.	CPA/SPA/ESA/ESZ, IF ANY	
9.	INTERLINKED PROJECT, IF ANY, WITH STATUS	
10.	ANY OTHER RELEVANT INFORMATION	

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Slide no. 3

LOCATION MAP

3

Slide no. 4

LINK FOR KML FILE & GOOGLE EARTH IMAGE

4

Slide no. 5

TOPOGRAPHICAL MAP

5

Slide no. 6

LAND ALLOTTED/ACQUISTION STATUS

6

Slide no. 7

PREVIOUS EC DETAILS

(In case of Expansion Projects)

- EC granted on

Facilities envisaged	Consent status (CTE/CFO)	Implementation status	Remarks	Production details	Details of Violation, if, any

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Slide no. 8

Compliance status of existing unit

- Certified report issued on

Non-compliances reported if any	Corrective action taken	Present status	Remarks

8

Slide no. 9

ENVIRONMENTAL SITE SETTINGS

SL. NO.	PARAMETERS	DETAILS
a.	Water body	
b.	Highway	
c.	Railway line	
d.	Habitation	
e.	National Park/Wildlife Sanctuary/Bio-sphere Reserve/Elephant corridor/ Tiger reserve/Eco-sensitive Zone/Eco sensitive Area	
f.	Any other	

Slide no. 10

EXISTING & PROPOSED UNIT CONFIGURATION WITH CAPACITY IN TPA

NAME OF THE FACILITY	CONFIGURATION (Existing/Expansion)	TOTAL CAPACITY (TPA)

Slide no. 11

PLANT LAY OUT

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Slide no. 12

RAW MATERIAL CONSUMPTION

SL.NO.	RAW MATERIAL	QUANTITY (TPA)	SOURCE	DISTANCE (W.R.T. PLANT)	MODE OF TRANSPORT	REMARKS

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Slide no. 13

FUEL, POWER / ENERGY & WATER REQUIREMENT WITH REQUISITE PERMISSION DETAILS

SL. NO.	TYPE	REQUIREMENT	PERMISSION DETAILS	REMARK
1	FUEL			
2	POWER/ENERGY			
3	WATER REQUIREMENT			

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Slide no. 14

WATER BALANCE DIAGRAM

14

Slide no. 15

BASE LINE STUDY AREA MAP WITH LOCATIONS

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Slide no. 16

METEOROLOGICAL DETAILS WITH WIND ROSE DIAGRAM

16

Slide no. 17

BASE LINE STUDY REPORTS

PERIOD	
AAQ PARAMETERS AT LOCATIONS	PM _{2.5} =µg/m ³ PM ₁₀ =µg/m ³ SO ₂ =µg/m ³ NO ₂ =µg/m ³ CO =mg/m ³ Any other relevant parameter
AAQ MODELLING (Incremental GLCs)	PM =µg/m ³ (Distance and Direction) SO ₂ =µg/m ³ (Distance and Direction) NO _x = µg/m ³ (Distance and Direction)
GROUND WATER QUALITY AT LOCATIONS	pH:, Total Hardness:mg/l, Chlorides:mg/l, Fluoride:mg/l. Heavy metals Any other relevant parameter
SURFACE WATER QUALITY AT.....LOCATIONS	pH:, DO:mg/l, BOD:mg/l & COD:mg/l. Any other relevant parameter
NOISE LEVELS AT.....LOCATIONS todBA for day time and todBA for night time.

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Slide no. 18

TRANSPORTATION PLAN - VEHICULAR TRAFFIC LOAD STUDY AS PER IRC GUIDELINE

PARTICULARS	DETAILS	REMARKS
TRAFFIC LOAD STUDY PERIOD		
TRAFFIC LOAD (BASELINE) (PCU/DAY)		
ADDITIONAL TRAFFIC LOAD DURING OPERATION OF THE EXPANSION PROJECT (PCU/DAY)		
TOTAL TRAFFIC LOAD DURING OPERATION OF EXISTING AND PROPOSED EXPANSION (PCU/DAY)		
TRAFFIC CAPACITY AS PER THE IRC 73: 1980 FOR HIGHWAYS (PCU/DAY)		

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Slide no. 19

Isopleths

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Slide no. 20

PUBLIC CONSULTATION PHOTOGRAPHS

20

Slide no. 21

PUBLIC CONSULTATION

- Notice made through advertisement in the Newspapers..... and.....on
- Conducted on(Date) at(Time) at(Venue), Village, Tehsil,District,State under the chairmanship of
- Attended by.....
- Issues are

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Slide no. 22

ACTION PLAN TO ADDRESS PH ISSUES

SL.NO.	ISSUE RAISED	COMITTMENT BY PROJECT PROPONENT	ACTION PLAN WITH TIME FRAME AND BUDGET

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Slide no. 23

EMP – AIR (Construction/Operation)

23

Slide no. 24

EMP – NOISE(Construction/Operation)

23

Slide no. 25

EMP – WATER (Construction/Operation)

23

Slide no. 26

EMP – GREEN BELT (Construction/Operation)

23

Slide no. 27

EMP - SOLID & HAZARDOUS WASTE MANAGEMENT & DISPOSAL

SL. NO.	TYPE OF WASTE	QUANTITY (TPD)			MODE OF DISPOSAL	AGREEMENT DETAILS FOR DISPOSAL
		EXISTING	PROPOSED	TOTAL		

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Slide no. 28

POST PROJECT MONITORING

SL. NO	ENVIRONMENT /SOCIAL CONTROL MEASURE	COST OF EMP						REMARKS
		EXISTING		PROPOSED		TOTAL		
		CAPITAL	RECURRING (PER ANNUM)	CAPITAL	RECURRING (PER ANNUM)	CAPITAL	RECURRING (PER ANNUM)	

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Slide no. 29

RISK ASSESSMENT FINDINGS AND ITS MITIGATION

29

Slide no. 30

ENERGY CONSERVATION MEASURES

30

Slide no. 31

DIRECTION/COURT CASE/LITIGATION

31

Slide no. 32

ANY OTHER RELEVANT INFORMATION

32

Slide no. 33: TOR wise compliance presentation

Point Wise Standard TOR Compliance

TOR Point-1: Executive Summary of the Project.
Reply:

TOR Point-2: Introduction i) Details of the EIA consultant including NABET accreditation ii) Information about the project proponent iii) Importance and benefits of the project
Reply:

And so on.....

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Slide 34 : Details of study of Impact assessment of ground water if ground water requirement is more than 100 KLD in OCS area (Over exploited, semi critical, critical area) permission to groundwater withdrawal should be based on study of Impact assessment of ground water withdrawal and be a part of EIA as per Hon'ble NGT direction in OA N.176 /2015 dated 20.7.2020.

Slide 35: The presentation shall also include details of carbon foot prints and carbon sequestration study w.r.t. proposed project needs to spell out. Proposed mitigation measures also needs to be included in the PPT for appraisal of the EAC.

Slide 36: Other details of Project and critical issues, if any.

Slide No. 1

<h2 style="margin: 0;">NAME OF THE PROJECT</h2>	
EAC MEETING DETAILS & AGENDA NO.	PROPOSAL NO AND SUBMISSION DATE
<ul style="list-style-type: none">NAME OF THE PROJECT PROPONENT WITH ADDRESS	<ul style="list-style-type: none">NAME OF THE CONSULTANTNABET REGISTRATION NO.VALIDITY

1

Slide No. 2

BRIEF INFORMATION		
SL. NO.	PARTICULARS	DETAILS
1	S.NO. IN THE SCHEDULE & PROJECT SECTOR	
2	CATEGORY OF THE PROJECT	
3	SPECIFIC/GENERAL CONDITION APPLICABLE	
4	PROPOSED SITE/LAND DETAILS	
5	GREENBELT DETAILS	
6	PROJECT COST	
7	MANPOWER DETAILS	
8	DETAILS IF PROJECT FALLS UNDER THE PURVIEW OF A) FCA,1980, B) WPA,1972, C) CRZ, 2011	
9	CPA/SPA/ESA/ESZ, IF ANY	
10	INTERLINKED PROJECT, IF ANY, WITH STATUS	

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Slide No. 3

LOCATION MAP

3

Slide No. 4

LINK FOR KML FILE

4

Slide No. 5

ALTERNATE SITE ANALYSIS

(In case of green-field project)

PARAMETERS	SITE 1	SITE 2	SITE 3	SELECTED SITE WITH JUSTIFICATION

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Slide No. 6

PREVIOUS EC DETAILS

(In case of Expansion/De-novo Projects)

PARTICULARS	DOCUMENT NO.	DATE	VALIDITY	IMPLEMENTATION STATUS
DETAILS OF EARLIER EC				
DETAILS OF CTE				
DETAILS OF CTO				

Note: Delete, whichever not applicable

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ENVIRONMENTAL SETTINGS – Study area

SL. NO.	PARAMETERS	DETAILS
a.	Water body	
b.	Highway	
c.	Railway line	
d.	Habitation	
e.	National Park/Wildlife Sanctuary/Bio-sphere Reserve/Elephant corridor/ Tiger reserve/Eco-sensitive Zone/Eco sensitive Area	
f.	Any other	

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PROPOSED UNIT CONFIGURATION WITH CAPACITY IN TPA

NAME OF THE FACILITY	CONFIGURATION	CAPACITY (TPA)

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Slide No. 9

PLANT LAYOUT

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Slide No. 10

RAW MATERIAL CONSUMPTION

SL. NO.	RAW MATERIAL	QUANTITY	SOURCE	MODE OF TRANSPORT	REMARKS

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Slide No. 11

FUEL, POWER & WATER CONSUMPTION

Sl. No.	PARTICULARS	QUANTITY	SOURCE	MODE
1	WATER REQUIREMENT			
2	POWER REQUIREMENT			
3	FUEL REQUIREMENT			
4	ANY OTHER REQUIREMENT			

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Slide No. 12

PROPOSED ToR

Attributes	Sampling		Remarks
A. Air	No. of stations	Frequency	
a. Meteorological parameters			
a. AAQ parameters			
A. Noise			
A. Water			
Surface water/Ground water quality parameters			
A. Land			
a. Soil quality			
b. Land use			
A. Biological			
a. Aquatic			
b. Terrestrial			
A. Socio-economic parameters			

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Slide No. 13

STUDY AREA MAP WITH LOCATIONS

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Slide No. 14

DIRECTIONS/COURT CASE/LITIGATION

14

ANY OTHER RELEVANT INFORMATION

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LIST OF MEMBERS OF THE EXPERT APPRAISAL COMMITTEE (INDUSTRY-1 Sector)

S. No.	Name & Address	Position
1.	Shri Rajive Kumar, IFS Retired B-2/4 Vijyant khand Gomti Nagar Lucknow, Uttar Pradesh-226010 chairman.eac.ind.1@gmail.com	Chairman
2.	Dr. Dipankar Shome House No. 74, Saroj Nagar, Hazari Pahad, Nagpur, Maharashtra-440007 dshome61@gmail.com	Vice Chairman
3.	Dr. S Ranganathan AT-5 Banyan Tree Apartments, 154 Kariyammana Agrahara, Devarabeesanahalli, Near Sakra World Hospital, Bengaluru 560103 ranganathan.metals@gmail.com	Member
4.	Dr. Ranjit Prasad Associate Professor Department of Mineral Processing Technology, Environmental Quality, EIA Process NIT Jamshedpur Q. No. CF 52, NIT Jamshedpur Campus, PO-NIT, Adityapur, PIN-831014 ranjitniti@gmail.com	Member
5.	Dr. E V R Raju Divya Shree Shakthi, Mayuri Nagar, Miyapur, Hyderabad-500049, telangana.rajuevr60@gmail.com	Member
6.	Dr. S. K. Singh Professor - Civil & Environmental Engg., DTU, Type V/29, Professor & Dean Delhi Technological University Campus (Formerly Delhi College of Engineering) Bawana Road Delhi-110042 sksinghdce@gmail.com ,	Member
7.	Dr. Jai Krishna Pandey Chief Scientist & Head, Mine Fire, Ventilation and Miner's health Research Group Room No. TG- 8, Technological Block CSIR- Central Institute of Mining and Fuel Research Barwa Road, Dhanbad-826015 (Jharkhand) Email: drjkpandey.eac.industry1@gmail.com	Member
8.	Dr. Tejaswini Ananthkumar 84, Ranoji Rao Road, Basavanagudi, Bengaluru-560004 tejaswini.acf@gmail.com	Member
9.	Dr. Hemant Sahasrabuddhe LB-53, Housing Board Colony, Laxminagar, Nagpur-440022, Maharashtra, India	Member

S. No.	Name & Address	Position
	<u>sshemant_801@rediffmail.com</u>	
10.	Dr B Mohapatra Director General, (Representative of National Council for Cement and Building Materials) 34, Km Stone, Delhi-Mathura Road (NH-2), Near Sant Surdas (Sihi) Metro Station, Sector 4, Ballabhgarh, Faridabad, Haryana 121004 Email: <u>dg@ncbindia.com</u>	Member
11.	Shri Nazimuddin, Scientist 'F' & Divisional Head-IPC-II Division (Representative of Central Pollution Control Board) Parivesh Bhawan, East Arjun Nagar, Delhi-110032 Email: <u>nazim.cpcb@nic.in</u>	Member
12.	Dr. Sanjay Bist, Scientist 'E' (Representative of Indian Meteorological Department), Mausam Bhawan, Lodhi Road, New Delhi – 110003 Email: <u>sanjay.bist@imd.gov.in</u>	Member
13.	Dr. S. Raghavan, Scientist "D", (Representative of National Institute of Occupational Health) Regional Occupational Health Centre, ROHC(S), Bangalore Email: <u>raghuharihar@gov.in, raghuharihar@yahoo.co.in</u>	Member
14.	Dr. R. B. Lal Scientist 'E'/Additional Director Ministry of Environment, Forest and Climate Change Indira Paryavaran Bhawan, Room No. V-304, Vayu Wing, Jor Bag Road, New Delhi-110003 Telefax: 011-20819346 E-mail: <u>rb.lal@nic.in</u>	Member Secretary
