



IMPACT ASSESSMENT FOR SOCIAL AND ECONOMIC DEVELOPMENT

Public Consultation: Environmental Impact Assessment (EIA) – Indian Perspective

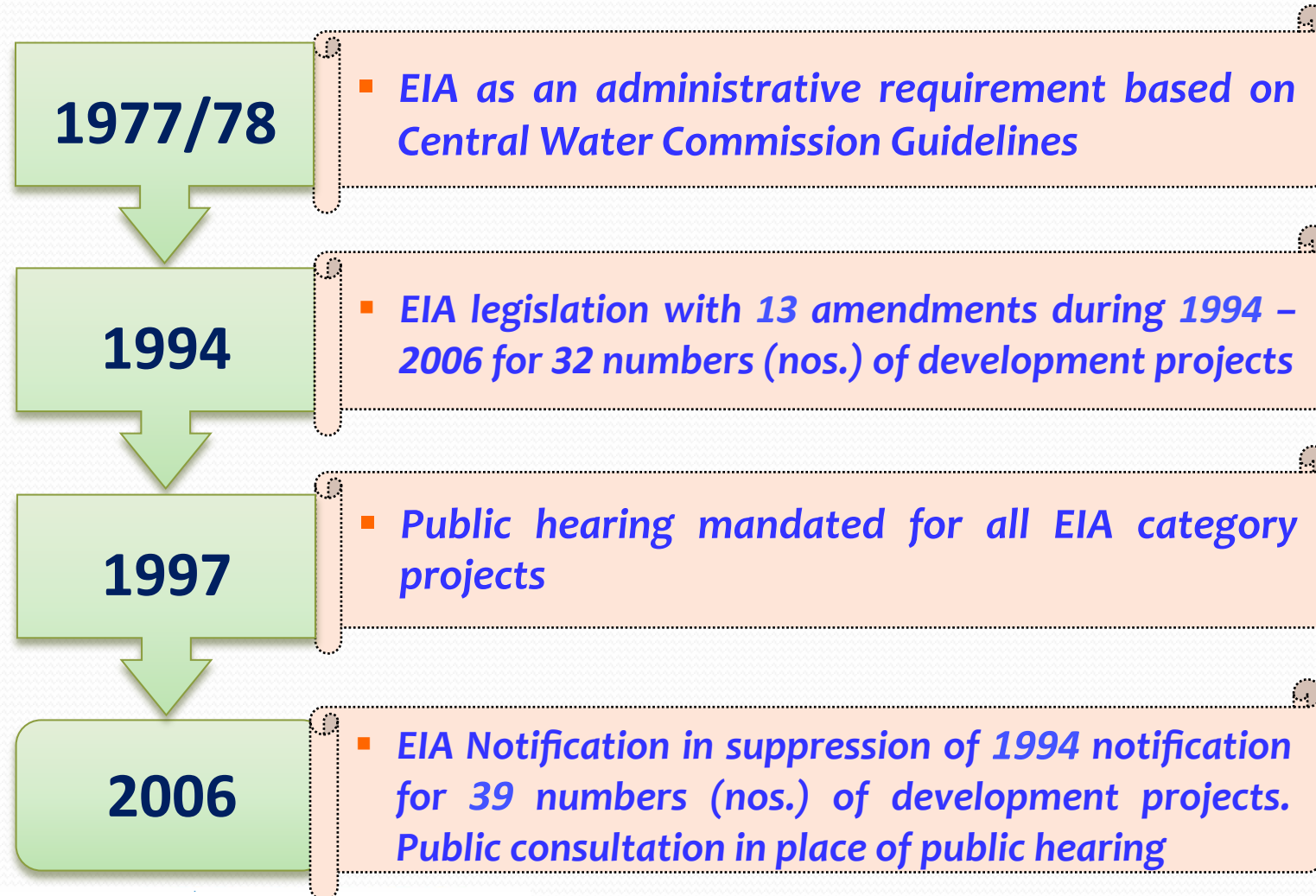
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Environmental Impact Assessment (EIA) - India



Stages in Prior Environmental Clearance Process - India

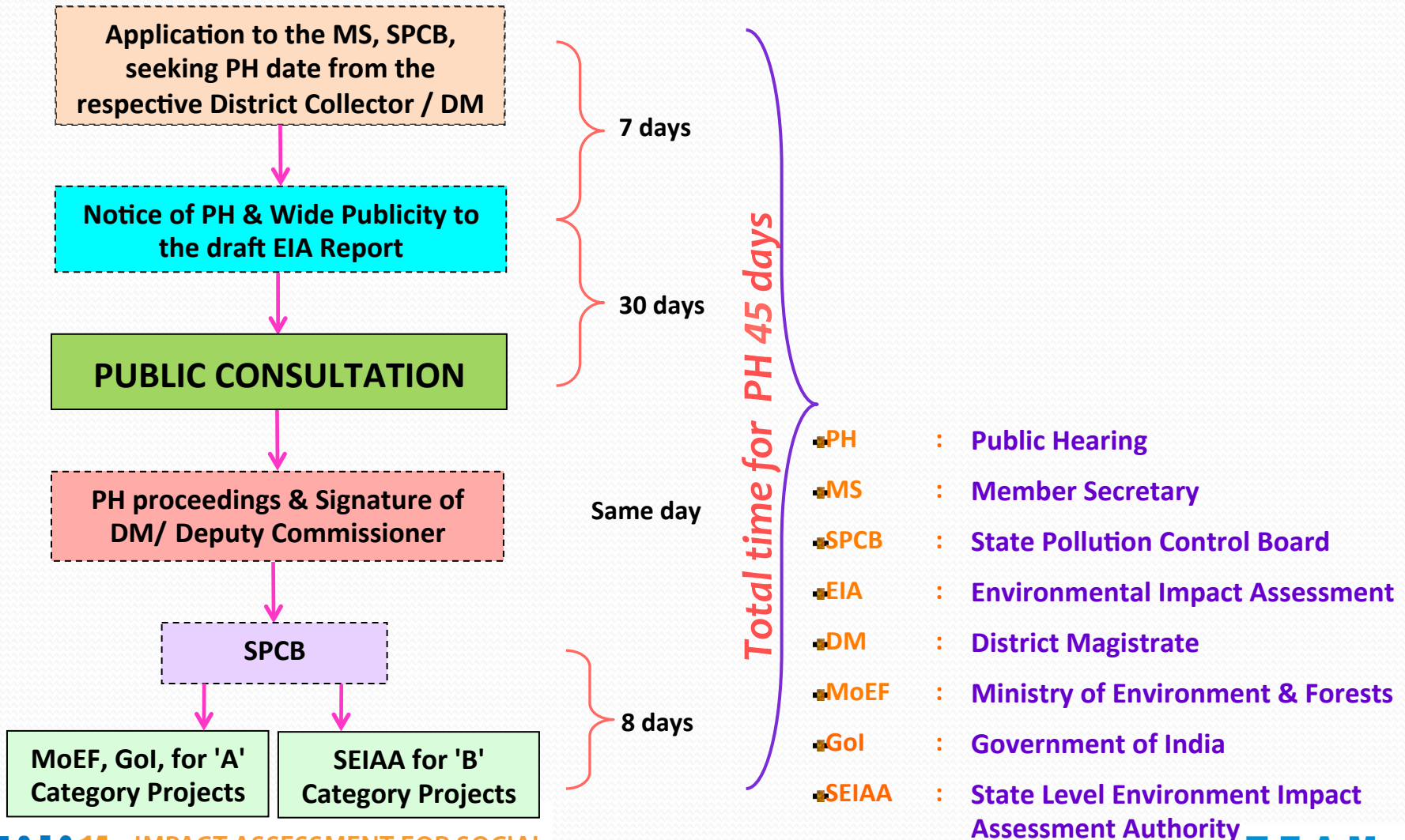
Stage - I *Screening for EIA Requirement*

Stage - II *Scoping*

Stage - III *Public Consultation based on Draft EIA*

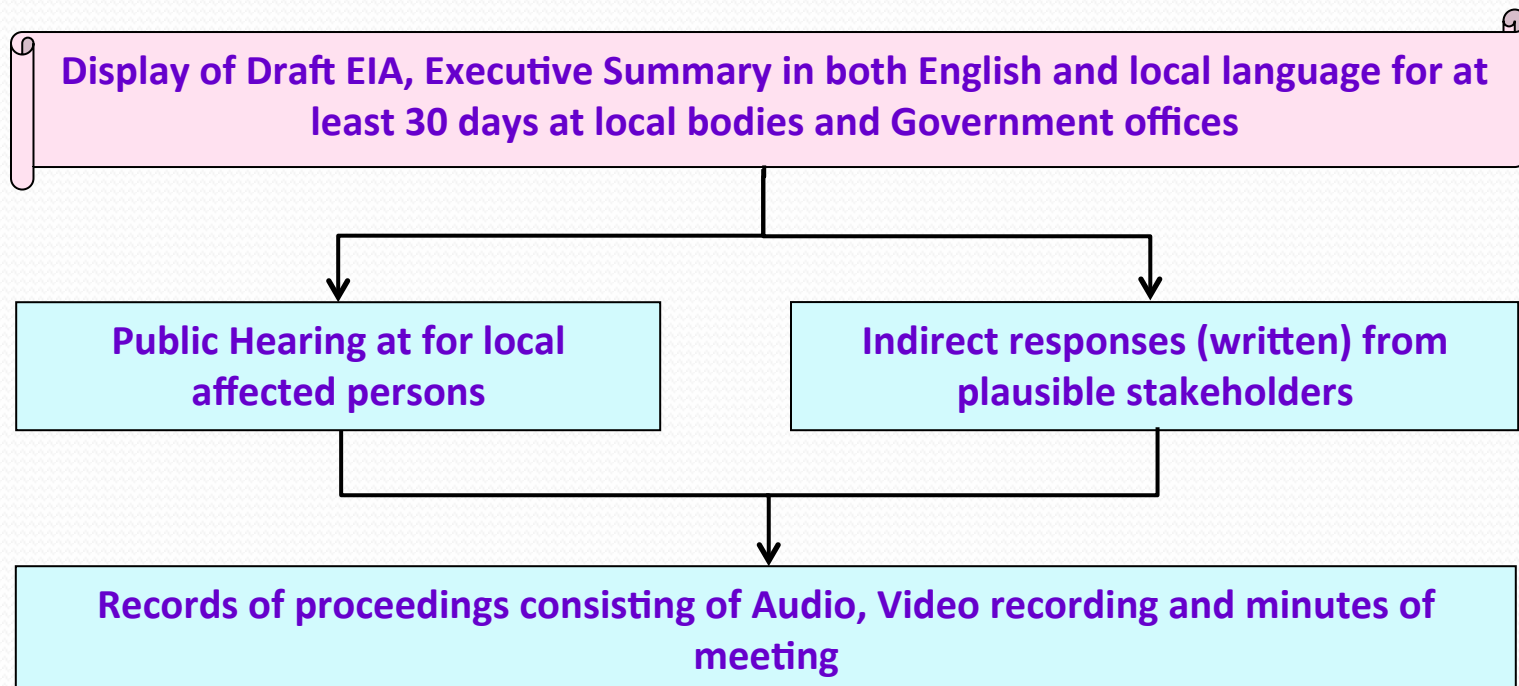
Stage - IV *Appraisal based on Final EIA*

Public Consultation Procedure - India



Stage III: Public Consultation

Public Consultation refers to the process by which the concerns of local affected persons and others who have plausible stake in the Environmental Impacts of the project or activity are ascertained.



Public Consultation – Various Shades



(Images from Public domain)

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(Images from Public domain)

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An ISO 9001:2008 certified Organization

Public Consultation – Various Shades



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Public Consultation: EIA – Indian Perspective

- ✚ *Review of 40 numbers minutes of meetings of Public Consultation held for mining projects (2008 – 2013)*
- ✚ *Attendance in Public Hearing.*
- ✚ *Speakers and Representation.*
- ✚ *Issues and Concerns.*

Public Consultation: EIA – Indian Perspective

Type of Mineral and Mine Lease Area

S. No.	Type of Mineral	No. of Projects Reviewed	Mine Lease Area (ha)	
			Min	Max
1	Atomic	1	44.62	
2	Fuel	7	198.98	1488.42
3	Metallic	10	64.46	971.25
4	Non-Metallic	22	10.32	1979.75

Public Consultation: EIA – Indian Perspective

Public Consultation and Participation

Type of Mineral	No. of Participants (Range)	No. of Speakers (Range)			No. of written Representation (Range)		
		Local Residents	Public Representatives	NGOs	Local Residents	Public Representatives	NGOs
Atomic	280	18	27	--	--	--	--
Fuel	65-450	7-18	2-6	0 -3	3-7	0-3	0-1
Metallic	75-150	0-57	0-5	0-3	5-10	0-3	--
Non-Metallic	45-400	0-33	0-8	0-8	4-6	0-3	0-9

Public Consultation: EIA – Indian Perspective

Aspects and Concerns

S. No.	Aspects	No. of Projects Where Concern Related to an Aspect is Raised			
		Atomic	Fuel	Metallic	Non-Metallic
1	Land use	1	--	1	3
2	Soil Contamination	--	--	--	--
3	Water Pollution	--	4	7	8
4	Air Pollution	--	4	5	8
5	Noise and Vibration	--	2	3	4
6	Socio Economic	1	7	8	17
7	Ecology	--	2	8	5
8	Occupational safety	--	--	--	4
9	CSR	--	4	5	8
10	Others	1	4	7	15
No. of Projects reviewed		1	7	10	22

Conclusion

- ✚ *Provision of employment to local residents followed by request for participation in local developmental activity as part of Corporate Social Responsibility (CSR).*
- ✚ *Agricultural productivity due to mining activity was a major concern among local affected people.*
- ✚ *The public consultation process is vibrant with active participation mainly by local residents.*

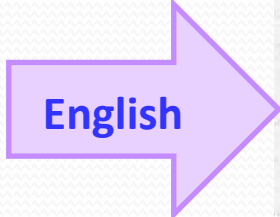


*Thank you for your
attention...*

Any Questions ...



Advertisement in News Papers



**ANDHRA PRADESH POLLUTION CONTROL BOARD
REGIONAL OFFICE, TIRUPATI - 517 502.
ENVIRONMENTAL PUBLIC HEARING NOTIFICATION**

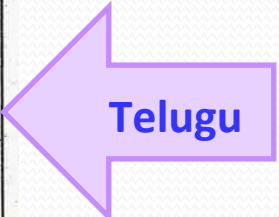
In accordance with the Notification No. S.O.1533, Dt. 14-09-2006 of the Ministry of Environment & Forests, Government of India, A.P. Pollution Control Board hereby notifies an Environmental Public Consultation on the proposal for setting up a Granite mining unit of M/s. Shiva Granites. The details of the project activities are given by the proponent are as follows.

1. Name of the company with Address	M/s. Shiva Granites, H.No. 28-1383/3, Near Balaji Colony, Chittoor - 517 001.
2. Location of the proposed project with extent	Compartment No. 213 of Kammappalle Beat, Paradarani Reserve Forest, Chittoor West Range, Chittoor District, Andhra Pradesh. Extent : About 5.0 Ha.
3. Name of the Authorised person to be contacted with address and telephone no.	Sri P. Babu Prasad, Proprietor M/s Shiva Granites, H.No. 28-1383/3, Near Balaji Colony, Chittoor - 517 001. Ph : 09620945270, 09740923846 Fax : 08572-234044.
4. Capital Cost of the proposed project	Rs. 25.00 Lakhs
5. Line of Activity with Capacity	Semi Mechanised Open cast mining for Black Granite (Dolerite) of mine lease over an extent of 5.0 Ha
6. Date, Time & Venue of the public hearing	Date : 03.01.2013 Time : 10.00 a.m. Venue : Near proposed site at Sampangi Nellore Village, Tellarallapalli Gram Panchayth, Yadamar Mandal, Chittoor Dist.
7. Place(s) at which executive summary & EIA report of the project is made available	a) Office of the District Collector's Office, Chittoor. b) Office of the CEO, Zilla Parishad, Chittoor. c) Office of the District Industries Centre, Chittoor. d) Office of the Revenue Divisional Officer, Chittoor. e) Office of the Regional Office (Southern Zone), GOI, MOE&F, Kendriya Sadan, IV Floor, Environment & Forest Wings, Koramangala, Bangalore-34. f) Office of the A.P.Pollution Control Board, Board Office, Sanath Nagar, Hyderabad. g) Office of the A.P.Pollution Control Board, Zonal Office, Near Krishna Nagar Rly Gate, Kurnool. h) A.P.Pollution Control Board, Regional Office, N.T.Road, Tirupati. i) Office of the Tahsildar, Yadamar Mandal, Chittoor Dist. j) Office of the Tellarallapalli Gram Panchayath, Yadamar Mandal, Chittoor Dist.

Concerns of the local affected persons, and all the other concerned persons (as defined at Serial No. 7 III (ii) a and b of MoE&F Notification No. S.O.1533 dated 14.09.2006) having a plausible stake in the Environmental aspects of the proposed activity are invited within 30 days from the date of publication of this Notification. All the above persons can make written responses to the undersigned Officer of A.P.Pollution Control Board. All these persons can also participate in the Environmental Public Consultation on the date and at the venue mentioned above.

Place : Tirupati
Date : 01-12-2012

Sd/- Environmental Engineer,
A.P.Pollution Control Board,
Regional Office, Tirupati.



ఆంధ్రప్రదేశ్ కాలుష్య నియంత్రణ మండలి
ప్రాంతీయ కార్యాలయం, తిరుపతి - 517 502

పర్యావరణ బహిరంగ విచారణ ప్రకటన

పర్యావరణ మరియు అటవీ మంత్రిత్వశాఖ, భారత ప్రభుత్వం యొక్క ప్రకటన సం. ఎన్.ఓ. 1533, తేదీ : 14-09-2006ను అనుసరించి, M/s శివ గ్రానైట్స్ యొక్క గ్రానైట్ మైనింగ్ యూనిట్ ఏర్పాటు కొరకు ప్రతిపాదనపై పర్యావరణ బహిరంగ సంప్రదింపును ఆంధ్రప్రదేశ్ కాలుష్య నియంత్రణ మండలి ఇందుమూలంగా ప్రకటిస్తోంది. ప్రతిపాదకుడికి బహుశుద్ధి కార్యకలాపాల వివరాలు దిగువ విధంగా ఉన్నాయి.

1) చిరునామాతో కంపెనీ పేరు	M/s శివగ్రానైట్స్ ఇం.నెం. 28-1383/3, బాలాజీ కాలనీ సమీపాన, చిత్తూరు - 517001
2) విస్తీర్ణంతో ప్రతిపాదించిన ప్రాజెక్టు ప్రదేశం	కమ్మపల్లి టీట్ కంపార్ట్మెంట్ నెం. 213 పరదరామి రిజర్వు ఫారెస్ట్, చిత్తూరు వెస్ట్ రేంజ్ చిత్తూరు జిల్లా, ఆంధ్రప్రదేశ్, విస్తీర్ణం - 5.0హెచ్
3) చిరునామా మరియు బెటెఫోన్ నం.తో సంప్రదించడాల్సిన అధికారి పేరు	శ్రీ పి. బాబు ప్రసాద్, ప్రొప్రియెటర్ M/s శివ గ్రానైట్స్ ఇం.నెం. 28-1383/3, బాలాజీ కాలనీ సమీపాన, చిత్తూరు-517001. ఫోన్ : 09620945270, 09740923846. ఫ్యాక్స్ : 08572-234044
4) ప్రతిపాదించిన ప్రాజెక్టు మూల వ్యయం	25.00 లక్షలు
5) సామర్థ్యంతో లైసెన్స్ అప్ యొక్క పరిమితి	5.0 హె విస్తీర్ణం మొత్తంలో ట్రాక్ గ్రానైట్స్ (డాలరైట్) అఫ్ మైనింగ్ కారకు సెమి మెకానైజ్డ్ ఓపెన్ కాస్ట్ మైనింగ్
6) బహిరంగవిచారణ తేదీ, సమయం మరియు ప్రదేశం	తేదీ : 03-01-2013, సమయం ఉ. 10.00 ప్రదేశం : చిత్తూరు జిల్లా, యాదమరి మండలం తెల్లారాళ్లపల్లి గ్రామపంచాయతీ, సంపంగి నెల్లూరు గ్రామం వద్ద ప్రతిపాదించిన స్థలం సముదా.
7) ప్రాజెక్టు యొక్క ఎగ్జిక్యూటివ్ సమ్మరీ మరియు EIA నివేదిక లభించు ప్రదేశాలు	ఎ) జిల్లా కలెక్టర్ కార్యాలయం, చిత్తూరు. బి) సి.ఈ.ఓ., జిల్లా పరిషత్ కార్యాలయం, చిత్తూరు. సి) జిల్లా పరిశ్రమల కేంద్ర కార్యాలయం, చిత్తూరు. డి) రెవెన్యూ డివిజనల్ ఆఫీసర్ కార్యాలయం, చిత్తూరు. ఇ) రీజనల్ ఆఫీసర్ (దక్షిణ జోన్) కార్యాలయం, GOI, MOE & F కేంద్రీయ సడన్, 4వ అంతస్తు, పర్యావరణ మరియు అటవీ వింగ్స్, కోరమంగల, బెంగళూరు - 34. ఎఫ్) ఆం.ప్ర. కాలుష్య నియంత్రణ మండలి కార్యాలయం, ఖార్జీ ఆఫీస్, సనత్ నగర్, హైదరాబాద్. జి) ఆం.ప్ర. కాలుష్య నియంత్రణ మండలి కార్యాలయం, జోన్ల ఆఫీస్, కృష్ణా నగర్ లైట్స్ గేట్ సమీపాన, కర్నూలు. హెచ్) ఆం.ప్ర. కాలుష్య నియంత్రణలో మండలి, ప్రాంతీయ కార్యాలయం, ఎన్.టి. రోడ్, తిరుపతి. ఐ) తహసీల్దార్ కార్యాలయం, యాదమరి మండలం, చిత్తూరు జిల్లా. ఐఐ) తెల్లారాళ్లపల్లి గ్రామ పంచాయతీ కార్యాలయం, యాదమరి మండలం చిత్తూరు జిల్లా. ప్రతిపాదించిన కార్యక్రమమునకు పర్యావరణ కోణాలలో ఏదేని న్యాయాధిక ఆశ్చ్యంతరం కలిగిన సంబంధిత స్థానిక ప్రజావిక వ్యక్తులు మరియు సంబంధించిన ఇతర వ్యక్తులందరూ (MOE & F ప్రకటన సం. ఎన్.ఓ. 1533 తేదీ 14-09-2006 యొక్క క్రమసంఖ్య 7 III (ii) a మరియు b వద్ద నిర్వచించబడిన విధంగా) ఈ ప్రకటన ప్రకటన తేదీ నుంచి 30 రోజులలోగా అప్యోనించబడుతున్నారు. పై అందరూ వ్యక్తులు ఆం.ప్ర. కాలుష్య నియంత్రణ మండలి యొక్క అధికారి అయిన దిగువ సంతకందారుకు త్రాతపూర్వక సమాచానాలు పంపవచ్చును. ఈ వ్యక్తులందరూ పైన తెలిపిన ప్రదేశం వద్ద మరియు ఆ తేదీన పర్యావరణ బహిరంగ సంప్రదింపులో కూడా పాల్గొనవచ్చును.

ప్రదేశం: తిరుపతి
తేదీ : 01-12-2012

సం/- ఎన్వైరాన్మెంటల్ ఇంజనీర్
ఆం.ప్ర. కాలుష్య నియంత్రణ మండలి
ప్రాంతీయ కార్యాలయము, తిరుపతి

Concerns and Suggestions

➔ AIR

- ✚ Health impact due to air pollution
- ✚ Adoption of air pollution control measures
- ✚ Dust suppression during mining and transport
- ✚ Wet drilling to control dust emission
- ✚ Covered trucks to avoid spillage during transport of mineral
- ✚ Provision of rain guns along the roads
- ✚ Reduced crop yields due to emissions from transport

➔ WATER

- ✚ Collect, Store and Reuse Storm water
- ✚ Ground Water depletion due to blasting
- ✚ Water pollution due to mining activity
- ✚ River pollution due to untreated mine discharge
- ✚ Treatment of mine discharge
- ✚ Prevention of Over Burden dump runoff
- ✚ Reuse of mine discharge for domestic and irrigation
- ✚ Induced Salinity due to pits
- ✚ Impact on agriculture due to mine discharge
- ✚ Storage of rain water in the pits resulting in soil salinity due to raise in ground water table.

➔ NOISE

- ✚ Impact of vibrations on habitation
- ✚ Adopt latest techniques for blasting operations.
- ✚ Depletion of ground water due to ground level vibrations
- ✚ Controlled blasting to reduce noise
- ✚ Blasting noise and its impact on people, animals and forest cover resulting in animal – human conflict.

Concerns and Suggestions

➔ SOCIO ECONOMIC

- ✚ Establishment of Educational Institutions for local population.
- ✚ Establishment of health facilities for local population
- ✚ Sale of waste stone to locals
- ✚ Water supply and sanitation facilities
- ✚ Distribution of 10 % of profits to local people.
- ✚ Employment to displaced people.
- ✚ Employment to the nominees of affected farmers.
- ✚ Loss of grazing lands
- ✚ Provision of employment to local people
- ✚ Mine owners are misleading people regarding employment to local people.
- ✚ Livelihood improvement programs for displaced people.
- ✚ Loss of connectivity to adjacent farm lands and neighboring villages
- ✚ Medical camps in surrounding villages.

➔ Corporate Social Responsibility (CSR)

- ✚ Improving Corporate Social Responsibility (CSR) Activities
- ✚ Green belt development under Corporate Social Responsibility (CSR).
- ✚ Equitable distribution of royalty and seinerage to Local villages
- ✚ Appreciation for Corporate Social Responsibility (CSR) activity
- ✚ Provision of Emergency medical centre

➔ HEALTH

- ✚ Impact on health due to mining
- ✚ Provision of medical facilities for contract employees
- ✚ Provision of hospital for employees and local population.

Concerns and Suggestions

➔ ECOLOGY

- ✚ Increase Green Belt area
- ✚ Use non active area of mine for agriculture
- ✚ Development of village forest
- ✚ Disturbance to wild life due to usage of forest land
- ✚ Plantation on Over Burden dumps.
- ✚ Disturbance to wild life due to mining activity.
- ✚ Loss of trees due to mining activity

➔ Land Use

- ✚ Mine pit rehabilitation
- ✚ Loss of grazing land
- ✚ Land acquisition without Rehabilitation and Resettlement
- ✚ Change in land use

➔ OCCUPATIONAL SAFETY

- ✚ Provision of Personal protective equipment (PPE)

➔ INFRASTRUCTURE

- ✚ Lift irrigation facilities for local farmers.
- ✚ Development & restoration of local Tourist place.
- ✚ Community building development
- ✚ Repair and up gradation of roads
- ✚ Provision of community toilets

References

- # Notification S.O.1533 issued by MoEF, Government of India dated September 14, 2006.
- # Notification S.O.60 (E) issued by MoEF, Government of India dated May 4, 1994.
- # Notification S.O.318 (E) issued by MoEF, Government of India dated April 10, 1997.
- # United Nations, Rio Declaration on Environment and Development, 1992.
- # Website of Andhra Pradesh Pollution Control Board, http://appcb.ap.nic.in/public%20hearing/dir_con_torr.php last viewed 30.11.2013
- # Website of Tamil Nadu Pollution Control Board, <http://www.tnpcb.gov.in/publichearing.htm> last viewed 30.11.2013
- # Website of Gujarat Pollution Control Board, <http://www.gpcb.gov.in/public-hearing-2013.htm> last viewed 30.11.2013
- # Website of Orissa State Pollution Control Board, <http://www.orissapcb.nic.in/> last viewed 30.11.2013
- # Website Ministry of Environment and Forest <http://environmentclearance.nic.in/Search.aspx> last viewed 30.11.2013
- # Website of Maharashtra Pollution Control Board <http://mpcb.gov.in/notices/PublicHearingconducted2012.php> last viewed 30.11.2013
- # Website of Ministry of Mines <http://mines.nic.in/> last viewed on 30.11.2013

Public Consultation (PC)

- ✚ Exceptions to certain projects
- ✚ To be completed in 45 days
- ✚ DM to preside over the Public Hearing (PH) process
- ✚ Alternate Public Authority / Agency to be engaged by MoEF in case State Pollution Control Board (SPCB) fails to comply with time limit
- ✚ Incorporation of public concerns in Environmental Impact Assessment (EIA) report
- ✚ Videography of proceedings must and to be enclosed with application for Environmental Clearance (EC)
- ✚ Preparation of Public Hearing (PH) proceedings and signature by DM/ADM on the same day
- ✚ Display of PH Proceedings in web site and other Govt. Offices
- ✚ PH is not a decision stage - it is only to ascertain the concerns of local affected persons and from plausible stakeholders

Public Consultation - Requirements

- ✚ *A minimum notice period of 30 days in 2 local news papers*
- ✚ *Where the newspapers do not reach, the Authority should arrange to inform the local public about the PH by the other means.*
- ✚ *A statement of the issues raised by the public and the comments of the applicant shall also be prepared in the local language or the official state language, as the case may be, and in English and annexed to the proceedings*
- ✚ *Display of the minutes of PH at – Panchayat, Zilla Parishad, District Magistrate and SPCB. SPCB to display on the website also.*

Stage-III Public Consultation

“Public Consultation” refers to the process by which the concerns of local affected persons and others who have plausible stake in the environmental impact of the project or activity are ascertained with a view to taking into account all the material concerns in the project or activity design as appropriate.

After completion of the public consultation, the applicant shall address all the material environmental concerns expressed during this process, and make appropriate changes in the draft Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP). The final EIA report, so prepared, shall be submitted by the applicant to the concerned regulatory authority for appraisal. The applicant may alternatively submit a supplementary report to draft EIA and EMP addressing all the concerns expressed during the public consultation

Procedure for Conducting Public Consultation

- ✦ The PH shall be arranged at the project site or in its close proximity, district wise, by the SPCB
- ✦ The applicant shall make a request through a simple letter to the Member Secretary of SPCB to arrange PH
- ✦ In case the project site is covering more than one district or State or Union Territories (UT), the PH is mandated in each district, State or Union Territories (UT).
- ✦ The applicant shall enclose with a letter of request, at least 10 hard and soft copies of the draft EIA including the summary EIA in English and in the official language of the state/local language
- ✦ The applicant shall arrange one hard and one soft copy of the draft EIA report along with the summary EIA report to the –
 - ⊗ District Magistrate/District Collector/Deputy Commissioner
 - ⊗ ZP or MC or Panchayat union
 - ⊗ DIC
 - ⊗ ULBs/PRIs concerned/Development authorities
 - ⊗ Concerned Regional Office of MoEF
- ✦ The above mentioned authorities except the RO of MoEF shall arrange to widely publicize it within their respective jurisdictions requesting the interested persons to send their comments to the concerned regulatory authorities
- ✦ The SPCB/UTPCC shall also make similar arrangements for giving publicity. They shall also additionally make available a copy of the draft EIA report to the above 5 authorities/offices

Procedure for Conducting Public Consultation

- ✦ The Member Secretary of the SPCB shall finalize the date, time and exact venue of PH within 7 days of receipt of the draft EIA report and advertise the same in one major national daily and one regional vernacular daily/official state language. A minimum notice of 30 days shall be provided to the public
- ✦ DM/ DC/ Dy. Commissioner or representative not below the rank of Addl. DM assisted by representative of SPCB shall supervise and preside PH
- ✦ SPCB shall arrange to video the entire proceedings and send the video tape/ CD with public hearing proceedings to the regulatory authority
- ✦ The attendance of all those who are present at the venue shall be noted and annexed with the final proceedings
- ✦ Representative of the applicant shall initiate the proceedings with a presentation on the project and the summary EIA report
- ✦ Persons present at the venue shall be granted the opportunity to seek information or clarifications on the project from the applicant
- ✦ The summary of the public hearing proceedings shall be read over to the audience and the agreed minutes shall be signed by the DM/DC/DY. Commissioner
- ✦ A statement of the issues raised by the public and the comments of the applicant shall be prepared and annexed to the proceedings
- ✦ The proceedings of the PH shall be displayed at a Panchayat office, ZP, DM, SPCB
- ✦ The SPCB shall also display the proceedings on the website for general information. Comments on the proceedings may be sent directly to the Regulatory authority and the applicant

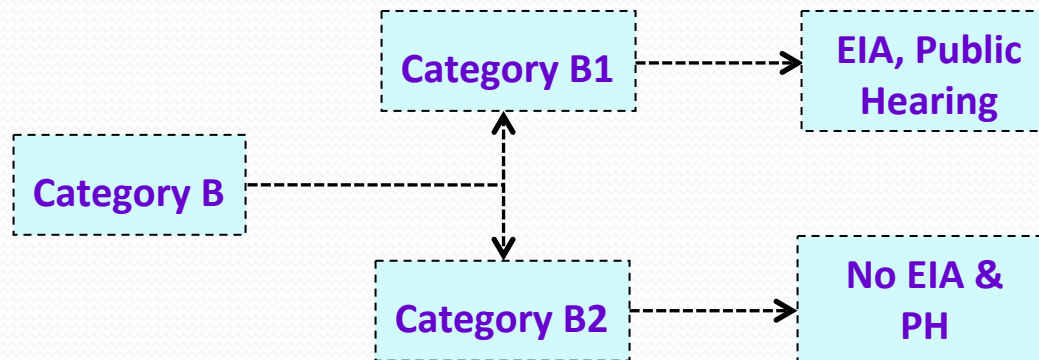
Time limits - Prior Environmental Clearance Process - India

- ✚ EAC and SEAC shall meet at least once in every month
- ✚ Approval of TOR – 60 days (otherwise deemed for approval)
- ✚ Public Hearing – 45 days (otherwise Central/State Government shall engage other agency/authority to complete the process)
- ✚ The final EIA report and other documents shall be scrutinized in the office of the regulatory authority within 30 days
- ✚ Appraisal by EAC or SEAC – 60 days (on receipt of the final EIA report and other documents)
- ✚ Placing recommendations of EAC or SEAC before the competent authority for the final decision – within next 15 days
- ✚ The applicant shall be informed at least 15 days prior to the schedule date of EAC/SEAC meeting
- ✚ The minutes of the EAC/SEAC – within 5 working days & shall be displayed on the regulatory authority website

Stage I: Screening

Screening refers scrutiny of category 'B' projects seeking prior environmental clearance made in Form-1 by the concerned State Level Expert Appraisal Committee for determining whether or not the project requires further environmental studies for preparation of EIA for its appraisal depending upon the nature and location specificity of the project.

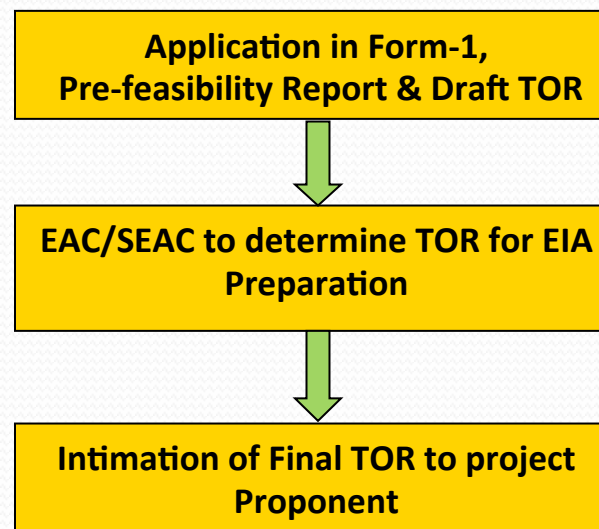
- ✚ No screening required for Category A projects
- ✚ Category B projects will be further screened at the state level for categorization into either B1 or B2. Specific guidelines to be evolved by MoEF



Stage II: Scoping

Scoping refers to the process by which the EAC in the case of Category 'A' projects or activities, and SEAC in the case of Category 'B1' projects activities determine detailed and comprehensive TORs addressing all the relevant environmental concerns for the preparation of EIA report.

- ✚ The scope of an EIA is the issues and impacts it addresses
- ✚ Scoping is the process of deciding which of a project's possible alternatives and impacts should be addressed in the EIA
- ✚ An EIA should focus only on the significant issues and impacts



Stage IV: Appraisal

Appraisal means the detailed scrutiny by the Expert Appraisal Committee or State Level Expert Appraisal Committee of the application and other documents submitted by the applicant for grant of environmental clearance.

