

EVEREST INDUSTRIES LIMITED  
CALCUTTA WORKS

**Compliance Status of Specific/General conditions given by MOEF for recommending  
Environment Clearance for the period of October"13 to March"14** **Page-1**

Sl.no	Special & General Conditions by MOEF	Compliance Status
<b>A</b>	<b>Specific Condition</b>	
i)	<p>Prescribed BIS standards &amp; laws with regards to handling of Asbestos &amp; Safety of employees to be adhered to strictly.</p> <p>Asbestos fibre &amp; Cement should be transported in closed Container</p>	<p>BIS standards &amp; statutory requirements for handling Asbestos &amp; safety of Employees are strictly followed and monitored.</p> <p>Asbestos fibre and cement are being transported in closed containers and vehicles. Asbestos fibre are being brought in palatized form, in compressed condition &amp; impermeable bags.</p>
ii)	<p>A written commitment to be furnished with in 3 months to concerned Authorities for not to use blue asbestos in the manufacturing process.</p>	<p>A letter of commitment already sent to Office of RO of MOEF, MOEF &amp; SPCB mentioning that the Company do not and will not use blue asbestos in manufacturing process of AC sheet &amp; accessories.Only crystal asbestos are being used in the product.</p>
iii)	<p>There shall be no manual handling/opening of asbestos fiber bags.</p> <p>Fully automatic fibre handling system with Bag opening Device to be installed along with fibre storage and batching system..</p>	<p>Fully mechanized handling of palletized fibre is being carried on Automatic Bag Opening Device is installed &amp; put in operation &amp; maintained properly.Separate closed fibre storage area and batching system for fibre provided.</p>
iv)	<p>Fugitive emissions generated from hopper of Jaw crusher &amp; Pulverize shall be canalized through hoods &amp; shall be connected with bag filter &amp; stack.</p>	<p>Jaw Crusher &amp; Pulverize are provided with Dust Extractors having bag filters with proper suction arrangement.</p>

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v)	The Company shall make the arrangement for fibre counting facility at the plant.	Monitoring, Sampling of asbestos fibre is being done by plant with its own equipment & trained personnel. Advanced phase contrast microscope already procured for fibre counting at plant.Result marked as annexure- I
vi)	The Company shall comply with total dust emission limit of 2 mg/Nm <sup>3</sup> as notified under the Environment protection Act 1986.Adequate measures should be adopted to control the process emission and stack emission of fibre shall not exceed limit of 0.2 f/cc and work zone emission not to limit of 0.1 f/cc	Monitoring ,sampling and measurement of Total dust emission, fibre emission through stacks and fibre emission are carried on data are within permissible limit as mentioned. Marked as annexure - I
vii)	Bags containing asbestos fibre shall be stored in closed area to avoid fugitive emission of asbestos fibre in the environment.	Palletized & wrapped asbestos bags are stored in enclosed godown.
( a )	All material transferring points shall be connected to Dust Extractor units .	Dust extractor units with bag filters are provided in all material transferring points.
( b )	Leakage of dust from machines & duct shall be plugged.	Corrective actions are already taken to control the leakage from m/cs and ducting lines
( c )	Floor shall be cleaned by Vacuum Cleaner only	Heavy duty vacuum cleaners are used for cleaning floor as and when required.
( d )	Covered belt conveyor shall be used instead of manual transportation of asbestos with in the premises.	No manual transportation done. Sealed palletized fibre bags are transported & stacked safely by fork lift with in . premises.

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viii)	Regular measurement of pollutants( SPM , asbestos fibre count ) in the area and stack being undertaken by dedicated Laboratory .Sampling , monitoring and measurement of asbestos in work zone shall be carried out by either NIOH/IRTC/NCB on a six monthly basis. The sampling monitoring data shall be submitted once in every three months and to MOEF'S RO in every six months.	Sampling, monitoring & measurement of work zone conducted by IITR, WBPCB,Pollution Analyzer Consultant periodically. Fibre sampling is conducted in-house also as mentioned earlier Measurement & evaluation is done at Evaluation center at Nashik plant. Those reports are being submitted to respective offices. Attached annexure - I to IV. .
ix)	The quantity of water consumptions shall be limited to 153 KL and no process water shall be discharged. The entire process effluent water to be reused/recycled I the manufacturing process. The domestic waste water shall be treated in STP for reuse for cooling & gardening after complying the norms.	The quantity of water consumption will be limited to 153 KL 100 % recycling of process effluent water in the manufacturing process already been complied.  The treated STP Water (after complying norms of WBPCB) is used for gardening purpose.
x)	Asbestos containing residues, sludge and cutting and dust shall be fully recycled in the process	Ac wet waste are being reused in process after grinding in ball mill. Ac broken sheets are grinded in Hard Ground Waste Plant and reuse it in manufacturing process.

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xi)	<p>The cut and damaged bags shall be handled with utmost care and shall be immediately repaired.</p> <p>Piling of AC sheet and products shall be done in wet condition only</p>	<p>The damaged bags containing asbestos are immediately repaired by PVC tape. Empty bags of asbestos fibre coming out of BOD are converted into chips through bag shredder and used directly with fibre in the product.</p> <p>Piling of Ac sheets &amp; products are being done in wet condition only.</p>
xii)	<p>Regular medical examination of workers &amp; health monitoring of the workers shall be carried out and record maintained up to 40 yrs from the beginning of employment or 15 yrs after retirement or cessation of employment whichever is lesser.</p> <p>A competent OHP should be appointed to carry out the medical surveillance</p> <p>The Medical Examinations shall be carried out in the manner.</p> <ol style="list-style-type: none"> <li>1. Clinical Examination once in every six months</li> <li>2.Sputum test once in 6 months</li> <li>3. Pulmonary test once in 6 months</li> <li>4. Chest X-ray once in a year.</li> </ol>	<p>Medical Examinations &amp; records of individual employee are being complied with Factory Act and Factory rules as notified.</p> <p>A competent OHP is appointed &amp; engaged to carry out medical surveillance as per statutory requirement.</p> <p>The medical Examination are being done in following frequency.</p> <ol style="list-style-type: none"> <li>1. Clinical Examination once in every six months</li> <li>2.Sputum test done if asked by the Certified Surgeon of Directorate of Factories, Govt. of West Bengal.</li> <li>3. Pulmonary test once in 6 months</li> <li>4. Chest X-ray once in 3 years as notified in Factory Acts/Rules.</li> </ol>

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xiii)	To educate workmen, all the workplaces exposed to asbestos dust and which may health hazards shall be clearly indicated as dust exposure area through the use of display signs which identifies the associated health hazards.	All the workplaces exposed to asbestos fibre dust have been clearly indicated by display boards and also with signs which identifies the health hazards. Regular Safety training is conducted to increase awareness amongst the employees exposed to asbestos fibre.
xiv)	Out of total 6.99 acres plot areas, 2.3 acres area shall be developed as green belt with local species in consultation with DFO as per CPCB guidelines	Greenery development is an on going process. We have developed greenery about 2.3 acres after consultation with DFO as per CPCB. Every year plantation is being carried out regularly. Special plantation programme is done on environment day.
xv)	The company shall undertake eco - development measurements including community welfare measures in the project area for the overall development of the Environment. The eco- development plan should be submitted to WBPCB	<p>Company has initiated following activities for development of environment</p> <ol style="list-style-type: none"> <li>1. Development of Green belt outside the premises along the boundary wall and inside the factory premises.</li> <li>2. Development of Nursery( garden)</li> <li>3. Upgrading of pollution control system</li> <li>4. Continual improvement of Environment Management system</li> </ol> <p>The following programmes are under taken to spread the message of environment in the community.</p> <ol style="list-style-type: none"> <li>1.Celebration of "World Environment Day"on 5th June every year. Sapling sowing inside &amp; outside the plant. Distribution of Sapling to general public in locality to increase awareness regarding development of greenery.</li> <li>2. Safety &amp; Environment awareness programme are being organized during the celebration of "National Safety Week"</li> </ol>

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B.	<b>GENERAL CONDITIONS</b>	These eco -development plans & activities were already submitted to SPCB along with NOC & Consent to operate applications.
i)	The Company must strictly adhere to the stipulations made by SPCB , the State Govt and other statutory bodies	EIL strictly adheres to stipulations made by SPCB,the State Govt and other statutory bodies and will continue the same in future.
ii)	Proper house keeping to be maintained with in the factory premises, machineries, exhaust and ventilation system as per Factory Act and also for improvement of work environment.	Improvement in House keeping is a continuous process. We have been maintaining daily checklist of House Keeping. Regular training on house keeping is being conducted. Initiatives has been taken to improve house keeping further.
iii)	No further expansion or modification shall be carried out inside the plant with out prior approval from MOEF. In case of any deviation/alternation from the project proposal submitted to MOEF, a fresh reference shall be made to MOEF to assess the adequacy of the conditions	EIL will strictly adhere to this directions .
iv)	At no time the emission shall exceed the limit. In case of any failure of PCS adopted by the unit, it shall immediately put out the operation until the desired efficiency of defective PCS is achieved.	Continuous monitoring, sampling and measuring of emission data are being done at regular intervals. Regular checking & preventive maintenance of Dust Extractor units are strictly followed for its efficiency and effective running.
v)	Fugitive emission in work environment shall be with in the limit as prescribed by SPCB/CPCB	Fugitive emission parameters are maintained with in permissible limit as prescribed by SPCB/CPCB.

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vi)	The locations of ambient air quality monitoring stations shall be reviewed with consultation with SPCB for adding any new stations if required, in the downwind direction as well as where maximum ground concentrations are anticipated	The locations of ambient air quality monitoring stations reviewed and samplings are done accordingly. Further review will be done with WBPCB for additional stations.
vii)	The Company will strictly comply with the rules & guidelines Under MSIHC rules, 1989 as amended and HWM rules as amended time to time. Authorisation from SPCB shall be obtained	EIL strictly complies with the rules/guidelines under MSIHC as amended time to time. Authorization from WBPCB obtained and valid till 31.10.2015.
viii)	The over all noise level both in and around the factory shall be kept within the limit. The ambient noise level shall not exceed 75 dBA ( day time) & 70 dBA( nighttime)	The ambient noise level is within the limit. Noise level in some operations in process & power House is high. Work is in progress to provide acoustic enclosure for the crusher unit of H.G.W. Plant, Eco friendly acoustic enclosure provided D.G. Set installed. Workers in those areas are provided with ear plugs/ear muffler.
ix)	The Company will set up a separate environmental Cell for effective implementation of all the above stipulations under control of Sr. Executive.	EIL will set up a separate environmental under the control of GM(works).
x)	Adequate fund to be earmarked towards capital cost and recurring expenditure/annum towards PCM and only to be used to implement the conditions as stipulated by MOEF An implementation schedule to implement all the conditions shall be submitted to R.O of MOEF The fund so provided shall not be diverted for any other purpose.	Need based fund is being provided towards capital cost for implementation of conditions stipulated by MOEF /State Govt.

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xi)	The R.O of MOE/ CPCB/SPCB will monitor the stipulated conditions. One compliance status report shall be submitted to monitoring agencies and shall be posed on website of the Company.	A compliance report shall be submitted to RO of MOEF /CPCB/ SPCB and will be posted on the website of the company.
xii)	The Company shall inform the public through the advertisement in 2 local news papers with in 7 days from the date of issuing the env. Clearance letter that the project has been accorded EC , the copies of the EC is available to SPCB and website of MOEF. The ads to be circulated widely in the vernacular language of the locality concerned and a copy the same shall be forwarded to RO of MOEF	EIL has already informed the public through adv in 2 local news in the past about the the EC accorded by the MOEF and the same is available in SPCB & MOEF website.
xiii)	The company shall inform the RO of MOEF as well as MOEF the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	EIL has already informed in writing to RO of MOEF about the date of start of project.
xiv)	The MOEF may revoke or suspend the project clearance if implementation of any condition are not satisfactory.	EIL shall abide by all conditions directed by MOEF.
xv)	MOEF reserves the rights to stipulated additional conditions if found necessary. The company in time bound manner will implement the same.	EIL shall follow and comply additional conditions if directed by MOEF
xvi)	Any appeal against this EC shall lie with the National Environment Appellate Authority, if preferred with in 30 days as prescribed under sec.11 of NEAA Act 1977.	Does not arise now.
xvii)	The conditions mentioned above will be enforced, inter-aliawith the provisions of the water(Prevention & Control of Pollution)act 1974, Air(Prevention & Control of Pollution)Act 1981. The EPA, 1986 HWM rules 1989, The PLI act along with there amendments.	EIL shall be abide by all conditions directed by MOEF.