

DCBL/MOEF/ Return/23-24/34

Date: 22.11.2023.

To  
The Deputy Director  
Ministry of Environment, Forest and Climate Change,  
Integrated Regional Office, Green House Complex  
Gopal Reddy Road, Vijayawada -520010  
AndhraPradesh

Dear Sir,

Sub: Furnishing the half yearly Environment Compliance Status – reg  
Ref: EC No: J-11015/64/2008-1A-11(m).

We are here with Furnishing the half yearly Compliance Status of our  
Nawabpet– Talamanchipatnam Limestone Mine of M/s Dalmia Cement (Bharat) Limited  
Chinnakomerla (V & P), Mylavaram(Mandal), Kadapa (Dt) From April-2023 to September- 2023.

This is for your information and records please

Thanking you  
Yours faithfully



(K. V. Suresh Reddy)  
Mine Manager  
NP-TP Limestone Mine of  
M/s Dalmia cement (Bharat) Ltd  
Chinnakomerla.

**MoEF Clearance Conditions – Compliance Status**  
**Nawabpet-Talamanchipatnam Limestone Mines of**  
**M/s Dalmia Cement (Bharat) Ltd**  
**ECNo: J-11015/64/2008-1A-11(m).**

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**A. SPECIFIC CONDITIONS:**

<b>S.No.</b>	<b>Specific conditions</b>	<b>Compliance status</b>
i.	A comprehensive Conservation Plan for Wild Life shall be prepared and implemented in consultation with the Chief Wild Life Warden. Necessary fund for implementation of the same be separately allocated	<p>No Wild Life Sanctuary/ Reserved Forest within the 10 km of project area at the time of EC. No Schedule-I fauna found in the buffer zone. The same has also been confirmed by DFO, Proddatur Division, Kadapa after site inspection. Nearest Forest area of Pennar plantation VIII, compt. No 62 is about 9 km.</p> <p>We are submitted Application in Chief Wildlife Warden by 7th October- 2019.</p> <p>Wildlife conservation plan Approved by Chief Wildlife warden on 04.10.2021.</p>
ii.	Primary survey data of flora and fauna in the core and buffer zone and also authenticated list of the same shall be submitted to the Ministry within six months	<p>The primary data of flora and fauna in the core and buffer zone has been collected.</p> <p>List of flora &amp; fauna found in the area is mentioned in the inspection report of Forest Range officer forwarded by DFO, Proddatur Division, Kadapa. The same is attached herewith as <b>Annexure - I</b></p> <p>We are submitted Application in Chief Wildlife Warden by 7th October- 2019 in compliance of conditions no 1 &amp; 2 by 7<sup>th</sup> October- 2019.</p> <p>Wildlife conservation plan Approved by Chief Wildlife warden on 04.10.2021.</p>
iii.	50m barrier no mining zones on both sides of the nallah (all along) shall be demarcated and the area shall be vegetated with thick native vegetation of different species	<p><b>Partially Complied</b></p> <p>A safety barrier of 50 m has been demarcated towards the mining site of</p>

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		<p>the Nalla and no mining activities are proposed at the other side of Nalla. Other side of the Nalla till the lease boundary will remain undisturbed and villagers are continuing the agricultural practices.</p> <p>Plantation has been undertaken in part area along Nalla.</p> <p>We undertake to complete the plantation along the mining side of the Nalla (One Side) in the under progress.</p>
iv.	<p>Land-use pattern of the nearby villages shall be studied, including common property resources available for conversion into productive land. Action Plan for abatement and compensation for damage to agricultural land / common property land (if any) in the nearby villages, due to mining activity shall be submitted to the <b>Regional Office of the Ministry</b> within six months annual status of implementation of the plan and expenditure there on shall be reported to the regional of the ministry</p>	<p><b>Complied</b></p> <p>Land use pattern of the buffer zone (10 km from the mine boundary) has already been studied and submitted.</p> <p>No damage to the agricultural land / common property land reported due to mining operations.</p> <p>The Mining Operations are restricted to 203.29 ha currently as per the mining plan till 2028.</p> <p>DCBL is continuously doing efforts supporting the agricultural best practises in the surrounding areas with implementation of various activities under CSR such as implementation of Integrated Watershed Management Projects, facilities for availing consultations and advice from experts on best practices for improving productivity and to optimize requirement of fertilizers, water and manpower, information on market for the produce, Construction of Farm Ponds, Introduction &amp; implementation of Drip-irrigation technology, Check</p>

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		wall, Gabions, Trenches Dams etc.
v.	<p>Need based assessment of the nearby villages shall be conducted to study the economic measures which can help in upliftment of poor section of society. Company shall provide separate budget for community development activities and income generating programmes. This will be in addition to vocational training for individuals imparted to take up self-employment and jobs.</p>	<p>Socio Economic Survey has been conducted by the management. To assess the needs of the villagers and the identified needs are fulfilled through our organization CSR activities.</p> <p>As per the need-based assessment the M/s DCBL has been conducted the many skill development and community development programs. The details are attached separately in <b>Annexure-2</b></p>
vi.	<p>Socio economic profile and rehabilitation action plan for families affected directly or indirectly due to mining shall be prepared for immediate implementation before starting mining and shall be submitted within six months to the regional office of the ministry</p>	<p><b>Complied</b></p> <p>There is no habitation within ML area hence no resettlement was required. Land price was fixed by the village development committee and was purchased through mutual agreement and terms &amp; conditions.</p> <p>All Socio-Economic Survey conducted through a third-party M/s B.S. Envitech Pvt. Ltd. after EC and same regularly been conducted through participatory rural appraisal, stake holder's discussions etc.</p> <p>161 people of Nawabpet village alone have been employed in different roles as per their qualification &amp; skills. Total 308 people have been provided employment as per the MOU with the Village Development Committee.</p>
vii.	<p>Water to be supplied for drinking purposes shall be treated to meet the prescribed standards. Monitoring of water quality for drinking shall be undertaken on daily basis</p>	<p><b>Complied</b></p> <p>The water is also being tested for potability in the government approved</p>

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	especially for fluoride & arsenic and records maintained	<p>laboratories and kept the records readily available.</p> <p>It is found that fluoride and arsenic is well within the prescribed norms.</p> <p>Monthly we are measuring fluoride &amp; arsenic values as the source of intake is same. Daily we are measuring-TDS &amp; PH values</p>
viii.	Transportation of lime stone ore to the cement plant shall be through closed conveyor belt system	<p><b>Complied</b></p> <p>A closed belt conveyor of length 3 kms installed for transportation of limestone to plant.</p>
ix.	Rain Water Harvesting scheme shall be undertaken in consultation with the Regional Director, Central Ground Water Board and action plan for implementation of the scheme shall be submitted to the Regional <b>Office of the Ministry, Central Ground Water Board and the state Govt.</b> within six months	<p><b>Complied</b></p> <p>The rain water harvesting pit of capacity 20 lacks Cubic meter is made for collection of rain water which is used for ground water recharge. The rain water collected in Mine pit also pumped to water harvesting pit and also using for the plant process purposes. The rain water is also being harvested in the mine sump; nearly 20 lacks cubic meter capacity has been developed.</p> <p>Hydrogeology and Rain water harvesting study has been carried out and report was approved by CGWB and recommendations were implemented.</p>
x.	Water quality both for surface as well as ground water in the core zone shall be regularly monitored and records maintained. Water supplied for drinking shall be monitored on daily basis and records maintained. In case of contamination observed, measures for control and action taken shall be reported to <b>State Government</b> as well as the <b>Regional</b>	<p><b>Complied</b></p> <p>The mine water is not discharging to the surrounding surface water.</p> <p>Regular monitoring of Surface and ground water is being carried out and records are maintained. No contamination has been observed till date. However, in case any</p>

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	<i>Office of the Ministry</i>	contamination is observed, measures will be taken and will be reported to State Government as well as the Regional Office of the Ministry.
xi.	Measures for prevention and control of soil erosion and management of silt shall be under taken protection of dumps against erosion shall carried out with geo textile matting or other suitable material and thick plantations of native trees and shrubs shall be carried out at the dumps slopes. Dumps shall be protected by retaining walls as there are eleven other mines which are contiguous to the subject mine, total silt load shall be assessed and measures for prevention and control of silt shall be submitted to the Regional office of the Ministry within six months.	<p>The dumping area is around 30.20 He and 46.36 lacks Cum of OB material dumped in the area.</p> <p>The dump yards are being stabilized by putting the dry pitching along the dump yard.</p> <p>The thick plantation on the top of the dump has been carried out to arrest the soil erosion. Detail measures adopted for stabilization of dump. Total Soil (OB: 46.36 lack Cum + Top Soil: 16.54 lack Cum = 62.90 lack Cum).</p>
xii.	Trenches/garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies, adequate number of check dams and Gully plugs shall be constructed across seasonal /perennial nallahs flowing through the ML area and silts arrested. De-silting at regular intervals shall be carried out.	<p><b>Being Complied</b></p> <p>Garland drains are made and water is channelized to mine pit. Check dams are also made at certain places to arrest flow of loose sediments with surface run offs.</p> <p>De-silting is carried out at regular intervals. The pure water is being used for mine &amp; plant process purpose and greenbelt development. Since the area receives very low rainfall hence there is no requirement of huge settling ponds.</p> <p>Check dams, rock fill dams are provided in the seasonal Nala under water shed programmes.</p>
xiii.	Occupational health and safety measures for the worker including identification of work-related health hazards. Training on malaria	<p><b>Complied</b></p> <p>The required PPE is being provided to all</p>

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	<p>education, HIV and health effects on exposure to mineral dust etc. shall be carried out the company shall engage a full-time qualified doctor who is trained in occupational health periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers shall be conducted and records maintained including health records of the workers. Awareness program for workers on impact of mining on their health and precautionary measures like use of personal equipment's etc... shall be carried out periodically review of impact of various health measures under taken (at interval of five years or less) shall be conducted followed by flow of action wherever required</p>	<p>the mines employees. The training is also being conducted at regular intervals by the qualified doctors for creating more awareness on malaria, HIV and health effects due to the mining operations.</p> <p>Occupational health and safety measures are being taken and the company is having a full-fledged SHE policy and is being implemented by them. Initial medical examination conducted for all mines employees as per the standards specified in Form-0 and the medical reports are available in mines office and in dispensary. Dispensary provided with 4 beds with sufficient staff &amp; a full time qualified doctor and infrastructure provided.</p> <p>Personnel exposure study is being conducted regularly and no adverse impact is noticed.</p>
xiv.	<p>Action taken report on issues raised and commitments made during public hearing shall be submitted to the regional office of the ministry and the state Govt. within six months after mining operation begins</p>	<p><b>The main issues are provision of employment, education and health facilities for local people.</b></p> <p><b>The DCBL management has provided the employment for 150 local people. The full-fledged dispensary has been provided and extends the medical facilities to the local people with free of cost.</b></p>
xv.	<p>Dust fall measurements shall be periodically carried out including particle size analysis in work zone area. Result shall be submitted to the regional office of the ministry and state</p>	<p><b>Complied</b></p> <p>Air born dust survey is being conducted on a monthly basis by High Volume Samplers. Effective Water Mist System</p>

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	Govt.	during drilling & Dust Collector with cyclone type DCB filters arranged in drill Machine to suppress the dust. Water Tanker provided to suppress the dust over haulage road and loading points.
xvi.	Top soil/solid waste shall be stocked properly with proper slope and with adequate safe guards for prevention of erosion and shall be used for back filling for reclamations and rehabilitation of mined out area	<p>The top soil is being handled separately and covered on the top of the dump yards for greenery development on the dumps.</p> <p>Nearly 16.54 lac Cu M of top soil stored on the dump yards.</p> <p>Waste shall be used for backfilling of the excavated area with a 1m layer of top Soil.</p>
xvii.	Over burden shall be stocked at earmarked dump site(s) only and shall not be kept active for long period the maximum height of the dump shall not exceed 30m, each stage shall preferably be of 10m and overall slope of the dump shall not exceed 28°. The OB dumps shall be back filled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining compliance status shall be submitted to the ministry of Environment and Forest on six monthly basis	<p><b>Being Complied</b></p> <p>Overburden is being stocked as mentioned in Approved Mining plan &amp; Mining Scheme and EIA/EMP and is being vegetated with suitable native species to prevent erosion.</p>
xviii.	Garland drains shall be constructed to arrest silt and sediment flow from soil and mineral dumps the water so collected shall be utilized for watering the mine area, roads green belt development etc. The drains shall be regularly de silted particularly after monsoon and maintained properly. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and for waste dump and sump capacity shall	<p><b>Complied</b></p> <p>Garland drains are made and the water is channelized to the mine pit, check dams are also made in certain places, water is not allowed to move out of their mine lease.</p>



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	<p>be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material sedimentation pits shall be constructed at corners of the garland drains and de-silted at regular intervals.</p>	
xix.	<p>Slope of the mining bench and ultimate pit limit shall be as per the mining scheme as approved by the Indian Bureau of mines</p>	<p>The slope of mining bench is being maintained as per the approved mining plan.</p>
xx.	<p>Drilling and blasting shall be conducted by using dust extractors /wet drilling</p>	<p>Drilling: The drilling is being conducted with the help of latest ROC L6 drill machine, provided with wet drilling facility and dust collection system for effective dust controlling.</p> <p>Blasting: The deep hole blasting is being conducted by systematic and scientific manner with NON-Electrical initiation system approved by the DGMS. The blasting time is 1.30pm to 2.00pm and it is displayed at various places. The secondary blasting and its impacts have been completely eliminated by using the rock breaker. Ground vibration and noise is being monitored at each and every blast for minimizing the vibration and noise</p>
xxi.	<p>Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation.</p> <p>Plantation shall be raised in 86.55 ha around</p>	<p><b>Partly Complied</b></p> <p>Plantation is done in the restored areas such as in back filled pits, office and site premises, besides mine road and around waste dumps. Permanent pipe line is provided for watering and they have necessary maintenance crew with water</p>

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	<p>the ML area, haul roads. OB dump sites etc.</p> <p>The density of the trees shall be not less than 2500 plants per ha.</p> <p>The company shall involve local people with the help of self-help group for plantation programme. Further the company shall practice poly culture plantation instead of monoculture of plant species. Details of year wise afforestation programme including rehabilitation of mined out area shall be submitted to the Ministry within six months.</p>	<p>tanker for plantation works.</p> <p>Till date, plantation has been done over an area 46.33 ha.</p> <p>We have planted nearly 142874 no's saplings starting from 2008 till now.</p> <p>The neem etc. plantation is being done in consultation with local DFO/Agriculture Dpt. Local Species are selected as desired and as recommended by them.</p>
xxii.	<p>Prior permission from the competent authority shall be obtained for extraction of ground water, if any.</p>	<p><b>Complied</b></p> <p>Obtained permission for abstraction of ground–water (78 KLD) from Central ground water Authority vide letter no PRR05-11028/12/2019-SLNA –GIS-CORD dated 30<sup>th</sup> Aug 2022.</p>
xxiii.	<p>Vehicles used for transportation of ores and other mining operation shall have valid permissions as prescribed under central motor vehicle Rules, 1989 and its amendments. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of ores. Transporting of ores shall be done covered with a tarpaulin or other suitable enclosures so that no dust particles/ fine matters escape during the course of transportation. No overloading of ores for transportation shall be undertaken</p>	<p><b>Complied</b></p> <p>We have taken following control measures to mitigate fugitive emissions:</p> <ul style="list-style-type: none"> <li>• All vehicles plying in the mine are well maintained as per the OEM standards. The vehicles are being tested by the RTO approved agency and found that the emission levels are within the permissible limit.</li> <li>• The roads are being properly maintained by road compactor and regular water spraying is being done during work hours to prevent generation of dust from vehicular movement.</li> <li>• The vehicles are not over loaded and the speed is restricted from 20</li> </ul>

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		<p>to 25 Kmph</p> <ul style="list-style-type: none"> <li>• Flexible curtains and dry fog system is installed at crusher unloading area.</li> <li>• Transportation of limestone from crusher to cement plant is being carried out with the help of covered conveyor belt and crushed limestone is being stocked under the covered shed.</li> </ul> <p>Bag filter has been fixed at each transfer point of conveyor belt.</p>
xxiv.	A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Regional Office of the Ministry of Environment & Forest.	<p><b>Noted for Compliance and Agreed Upon</b></p> <p>A final Mine Closure Plan, along with Corpus Fund will be submitted to the Regional office of the MOE&amp;F, 5 years in advance of final closure for approval.</p>

**B. GENERAL CONDITIONS: -**

S.No.	General conditions	Compliance status
i.	No change in mining technology and scope of working shall be made without prior approval of the regional office of the Ministry of Environment & Forests.	<p><b>Noted for Compliance</b></p> <p>There will not be any change made in technology and scope of working without prior approval of the ministry</p>
ii.	No change in the calendar plan including excavation, quantum of mineral ore and waste shall be made	<p><b>Being maintained as per the approved Mining plan &amp; scheme.</b></p>
iii.	Conservation measures for protection of flora and fauna in the core & buffer zone shall be drawn up in consultation with the local forest and wildlife department	<p><b>Being Complied</b></p> <p>The primary data of flora and fauna in the core and buffer zone has been collected.</p> <p>List of flora &amp; fauna found in the area is mentioned in the inspection report of Forest Range officer forwarded by DFO,</p>

S.No.	General conditions	Compliance status
		<p>Proddatur Division, Kadapa. The same is attached herewith as <b>Annexure - I</b></p> <p>We are submitted Application in Chief Wildlife Warden by 7th October- 2019 in compliance of conditions no 1 &amp; 2 by 7<sup>th</sup> October- 2019.</p> <p>Wildlife conservation plan Approved by Chief Wildlife warden on 04.10.2021.</p>
iv.	<p>Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RPM, SPM, So<sub>2</sub>, NO<sub>x</sub> monitoring Location of the station should be decided based on the meteorological data topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State pollution control Board.</p>	<p>Monitoring stations are fixed as per the guidance of the SPCB and being monitored regularly. 4 station established in core zone and 4 stations provided in buffer zone.</p>
v.	<p>Data on ambient air quality (RSPM, SPM, So<sub>2</sub>, Nox) should be regularly submitted to the ministry including its Regional office located at Bangalore and the State Pollution Control Board /Central Pollution Control Board Once Six months.</p>	<p><b>Being submitted regularly.</b> Data on ambient air quality (RSPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) attached as <b>Annexure-3</b></p>
vi.	<p>Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.</p>	<p><b>Complied</b></p> <p>Covered belt conveyor is being used for transportation of limestone to plant. Dry Fog system has been installed at conveyor belt to arrest the fugitive emission. Effective Water Mist System during drilling &amp; Dust Collector with cyclone type DCB filters arranged in drill Machine to suppress the dust. Water Tanker provided to suppress the dust over haulage road and loading points.</p>
vii.	<p>Measures shall be taken for control of noise levels below 85 dBA in the work environment workers engaged in operations of HEMM, etc. shall be provided with ear</p>	<p><b>Complied</b></p> <p>The noise levels are being maintained within the prescribed limits and all the</p>

S.No.	General conditions	Compliance status
	plugs /muffs.	necessary PPEs provided to the workmen. The HEMM provided with AC cabins for dust and noise proof for operators
viii.	Industrial waste water (workshop and waste water from the mine) should be properly collected treated so as to conform to the standards prescribed under GSR 422 ( E ) dated 19 <sup>th</sup> May,1993 and 31 <sup>ST</sup> December, 1993 or as amended from time to time .Oil and grease trap shall be installed before discharge of workshop effluents.	<b>Complied</b>  The waste water discharged from HEMM work shop is being collected in oil & water separator tanks. The treated water is being used for the dust suppression. The top layer of oil is being separately collected.
ix.	Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.	<b>Complied</b>  We have provided protective respiratory devices and adequate training and information on safety and health aspects are provided to our workers.  Occupational health surveillance program of the workers is being undertaken periodically to observe any contractions due to exposure to dust.
x.	A separate Environmental Management cell with suitable qualified personnel shall be set up under the control of a Senior Executive, who will report directly to the Head of the Organization.	<b>Complied</b>  Environment Management cell has been set up and is functioning under the control of a Senior Executive reporting directly to Unit Head.
xi.	The project authorities shall inform to the Regional Office of the Ministry located at Bangalore regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	<b>Complied</b>  The land development work had started on 24 <sup>th</sup> July 2008.  The date of financial closure of the project is 25 <sup>th</sup> August 2008  The production started from 10.12.2008
xii.	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted	<b>Complied and agrees to comply</b>  EMP costs are being kept in separate account and are not diverted for any

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	for other purpose. Year wise expenditure shall be reported to the Ministry and its Regional Office located at Bangalore.	other purposes.
xiii.	The project authorities shall inform the Regional Office of the Ministry located at Bangalore regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	<p><b>Complied</b></p> <p>The land development work had started on 24<sup>th</sup> July 2008.</p> <p>The date of financial closure of the project is 25<sup>th</sup> August 2008</p> <p>The production started from 10.12.2008</p>
xiv.	The Regional office of the Ministry, Bangalore shall monitor compliance of the stipulated conditions. The project authorities shall extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data /information /monitoring reports.	<p><b>Noted for Compliance</b></p> <p>Full cooperation being extended as and when the officers visit the project site.</p>
xv.	A copy of clearance letter will be marked to concerned panchayat /local NGO, if any, from whom suggestion /representation has been received while processing the proposal	<b>Complied</b>
xvi.	State Pollution Control Board shall display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office /Tehsildar's office for 30 days.	<b>Complied</b>
xvii.	The project authorities shall advertise at least in two local newspapers widely circulated one of which shall be in the vernacular language of the locality concerned within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the state Pollution Control Board and also at web site of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy of the same shall be forwarded to the Regional Office of the Ministry located Bangalore.	<p><b>Complied</b></p> <p>Public notice has been published in Eenadu (Local) and Deccan Chronicle (English). Copies have already been submitted along with earlier compliance. The date of publication is on 25.04.2008.</p>

