## ANNEXURE 2-XXIV

## **PUBLIC HEARING DETAILS**

Regional Office, Gujarat Pollution Control Board Plot No. 1154/2-B, Ghogha Circle, Sir Pattani Road, Bhavnagar - 364002

## Public Hearing Proceedings

As Advertised in the News papers, a Public hearing for following plants of Nirma Limited was held at Padhiarka, Ta: Mahuva, Dist. Bhavnagar on 9th September 2008 at 15.00 hours.

- Clinker (1.5 MTPA): Cement Plant (1.91 MTPA)
- Captive Power Plant (50 MW)
- Coke Oven Plant (1.5 Lac-TPA)

An arrangement for hearing was made at Padhiarka Primary School, Village Padhiarka Ta: Mahnya, Dist Bhavnagar. About 400 Persons were present at the Public hearing but 60 persons as detailed in Annexure-A has sign in the sign up sheet.

The hearing commenced as scheduled. In the beginning, the official of Company presented the details of the proposed Cement Plant. Clinker Plant. Captive Power Plant and Coke Oven Plant and details of environment study carried out. After that local persons were requested to raise any related issues. In all 13 persons raised issue as described in Annexure-B. The Company officials replied to the issue raised. The Consolidated replies given are attached in Annexure-B.

No representatives of NGO were present at hearing. One NGO had presented the written presentations which are attached as Annexure-C<sub>1</sub>. Dudheri Gram Panchayat written presentation is attached annexure C<sub>2</sub>. The official of the company has submitted reply to the representative which is annexed as Annexure-D<sub>1</sub>&D<sub>2</sub>\

The Hearing was concluded at 16:15 hrs with Vote of Thanks.

Fool

Annexure A, B, C<sub>1</sub>, C<sub>2</sub>D<sub>1</sub>,D<sub>2</sub>

2. Video CD of PH

Place: Padhiarka Tal: Mahuva

Dist: Bhavnagar

Date: 09/09/2008

G.V. Patel
Regional Officer.
Bhavnagar as
representative of the

Member Secretary, GPCB

Prodip Shah
Collector & District
Magistrate

Bhavnagar

: A-64:

### Annexure A

## A statement abowing participants present during the Public Hearing

As per the Ministry of Environment and Forests, Government of India, New Delhi vide its notification No. S.O. 1533 dated September 14th 2006, Public Hearing has been fixed for the Project covered under Calegory A, M/s Nirma Limited, for their proposal of Clinker/Cement Plant, Captive Power Plant and Coke Oven Plant at Padhiarka Primary School, Ta: Mahuva, Dist. Bhavnagar on 9th September 2008 at 15.00 hours.

The list showing participants present during the Public Hearing is as follows.

ભારત સરકારના વન અને પર્યાવરથ મંત્રાલય, નવી દિલ્હીના જાહેરનાના ક્યાંક એસ.એ.૧૫વવ તા.૧૪/૦૯/૨૦૦૬ના અનુસંધાને મે. નિરમા કિમીટેકની નીચેની પરિયોજના જે કેટેગરી—'અ'માં આવરી લેવાયેલ, તેની લોક સુનાવણી રામવામાં આવેલ છે. મે. નિરમા લિમીટેકના ક્લિન્ડર / ક્રિમેન્ટ પ્લાન્ટ, કેપ્ટીવ પાવર પ્લાન્ટ અને ક્રીક ઓવન પ્લાન્ટ માટેની સુચિત પરિયોજના અર્થે તોર મુનાવણીનું આપોજન તા લોલ[૨૦૦૩ના દોક ૧૧.૦૦ કલાકે પઢાયારકા પ્રાથમિક શાળા ખાતે રાખવામાં આવેલ છે.

લોક સુનાવણી દરમ્યાન હાજર રહેલ લોકોની વાદી નીચે મુજબ છે.

Sr. No.	Name & Address	Signature
<b>અ</b> નુ.નં.	નાય અને કરનાયું	, a4
1	K. R. Adhia	Misine
2.	S.A. SIMGH	Jan-1
3.	RA Josh	-321-
4.	Do Jathak	tour
5	N.I World	Odlingi
6	Catagorn wrong	-
7	M. R. Pourile	Daited
8-1	N.1 9.1V	102
4	K. m. Mehte	K all-
10	S.K. Salsh	Singl
11	Bubytho Poinchab	DP: TONY
11. A	जोडामार्ग मन 14.1J	
11-3	Bun MIS SMESS MID	
11 0	194 miles 1981 Miles	
11 - 0	\$16180 vide, 500	**** **** ****

yk:

Sr. No.	Name & Address.	Signature
St. NO.	LARTIC OF VARIETY	Signature
<u> અનુ.ન.</u>	નામ અને સરનામું	96)
Q.	स्थित कामा काम्यप्टरा	Can want
9.3	signal 40. again 48 ful	
<b>29</b>		
414		- Hau
کانگ	Swayna Katra Holler Consul	Sue P.
79	Ratan Kumas MMCPL	ton
10	makest is Post comen	Import 2
96	שיינוני אוס בולין ימוש אפושני	े जिस्सि है।
20	N.P. DIXIT Amelle	Mory
29	R. B. Sunkhit mudhuy	JR3. Smiller
22	right ammer Bre	1 YZL SUNW
13	2 HISOICHCI & SICHE	ज्ञाया
er	HIGH ONE CHATTERE	SICMUI
-	on en uni Brown	SUNY
25	FISH OIL MAN MICH	8) WI WIND 18
79	र्मित्र तरा श्रे क्षेत्र व्याला है।	ड्रा ८१७थ।
₹€	भगाग भाषा जार प्राचारका	mou
26	रमिश्लास missimm प्राथमस	28121m1410441
30	CESIMONET DILLENGE SIND	- Sylvinin F
31	Boardens Ofininis,	होणीया के दब कार्न
32	MYNMID ZINGITSMID	ราชานา
33	ला भा लाहर २ का छै। दलाह/	मगाया रहा
71	murphase Tother Stance 13	me DARIVA
) <u>~</u>	GIMANTS GINAGOLD	
}		
	//	
	<i>Y///////</i>	
!		•

ANNEXURE : XXIV Contd..

r. No.	Name & Address	Signature
<b>J</b> i.	નામ અને સરનાયું	940
3	kin M	
2	38- 2024- JU	
	किंति ही व्यक्तिमा	S
E	274 20 4341/201	
3	51287 MISC 2116 MISS -	7. 7
1	191291 MID HZAMPI ENS	
2	July on Bogosom 15	
3,		
28	Therewyol	
32	विषया वर्षानी	
37	Criffi mono 200)	<b></b>
شر	र्याति वार्यास्य	JE Sider
72	Garianananian P	
26	210000	<u> </u>
10	MIGHTON DEPORT MITT	
L, <u>(</u>	पर्वकालाई तारा प्रशेषाका -	
ل, بر	Africe orpunel, reports.	
7.7	CATACIONAL CONTO	
<b>L</b> .	Minust lizame uspress.	
44	GRY MIT STIPLEMED, WERLEY	
75	मिनालार (निजमहर्मान	

Annexure B

A statement showing issues raised by the Participants and responded by the representatives of the applicant during the Public Hearing

lo. Issue raised by	Response made by Nirma	Remarks
agriculture land should also be	As advised by the District Collector, Sh V.N. Desai (Vice President) gave the combined answer to all questions as follows:  • The land on which the Cement Plant is proposed to be constructed was originally allotted to the Salinity Control Department for construction of salinity control bund (Bendhero). The above land was allotted to Nirma Ltd. Without disturbing the salinity control bund after the Public Hearing by Irrigation Department of Government of Gujarat under the chairmanship of District Magistrate & Collector. No gauchar land is allotted in the proposed plant is about 4 km away from the salinity control bund (Bandharo)  • Company will deepen the salinity control bund to improve the water storage capacity by 19% after consultation with Irrigation Department. Three canals will be constructed to enhance smooth flow of incoming water.	

ANNEXURE : XXIV Contd.

		·	
2	Raghaybhai C. Makwana Village: Padhiarka  The above land was given to Salinity Control Department but since the same was not utilized for water storage, The District Collector has allotted the same to the Company and we have no objection for establishing this project by the Company.	The above land meant for salinity control bund belongs to the Government & the	
3	Joshi Rajuhtal Jivabhai Village: Padhiyarka  The villagers get the fine- wood from the land allotted to the Company	Educated people will be considered for employment as per Company Policy     Almost 85% employment is given to the local people by all plants of Nirma & the	
	<ul> <li>Therefore the road between Padhiyarka &amp; Samadhiyala should remain open &amp; useable</li> <li>This fand was given to Salinity Control Department but government should inform the villagers about the change of land use.</li> <li>People of Doliya get employment from the grass of</li> </ul>	same will be followed here also.  There is no road between Padhiyarka & Samadhiyala passing through the allotted land for the proposed plant. However, the road passing through the allotted land is between Padhiyarka & Doliya village for which the	•
4	this land.  People in Padhiyarka & Doliya are educated & thus they should be considered for employment. Only our villagers should be employed Gokulbhai Khimarbhai Makwana	Company has already submitted the letter to R & B. Department (Punchayat) regarding re-routing the road.  The Company will attempt to improve facilities like crematorium, school, pond.	•
[4]	Village: Dellya  Company has fixed wire- fencing at present, where RCC wall will be constructed in future due to which nobody will be allowed to enter without gate-pass for maintenance of water pipeline which is passing parallel to the road.  It is suggested to deepen the	etc  If necessary. Company will shift the water pipe line.	
	salimity control bund by 3 meters and the Company		

: A-69 :

ANNEXURE: XXIV Contd..

	should provide details on how many people will be		
	considered for employment		l•
5	Samantbhai Bhanabhai Villago: Padhiyahka		
,	It is suggested that Company should deepen the salinity		
	control bund & construct the approach-road to Patya		
6	Dayabhai Babailhat Village: Dollya		
	We had given unfertile land for salinity control bund for	•	
	salinity control		
7	Bana Karambhal Chhaganbhai (Ex-Sarpaisch)		
	Village: Padhiyarka		1
	• There is no objection for		ļ
	Cement Plant but the		•
	problems of the people should be resolved		
8	Bhikhabhai Valabhai Bhil		
	Village : Padhiyarka		
	<ul> <li>It is suggested that the Company should construct</li> </ul>		
	stadium of 20 vigha for the		
	village children	·	
	The village should have gauchar & posts.		
9	Narsinhbhal Samanibhai		
	(Sarpanch)		
	Village: Vangar  There is no objection on this		•
	Cement Plant but there should		
	not be atty change in the	•	
	salinity control bund for salinity control		
01	Jerambhai Bhanabhai		
	Village : Doliya		
	There is no objection on this		į
	Cement Plant but there should not be any change in the	-	
	salinity control bund for		
	salinity control and road		
11	facility Dhanjibhai Kanabhai		ļ
11	Village: Padhiyarka		

There is no objection on this Cement Plant but there should not be any damage to the existing facilities like school, crematorium, pond & Mataji's Temple Anandbini Makwana Village : Padhiyarka Since the villagers blaim the Sarpanch that he has sold 350 vigha land to the Company, the Dist. Collector is requested to eservey the truth Pathubbai Lakhabhai Village : Doliya · It is suggested to clarify whether the salinity control bund will belong to the Company or village

While concluding the public hearing. Collector & District Magistrate. Shri Pradip Shah appreciated the presence of ladies in the big gathering alongwith villagers which itself is an indication of sense of responsibility & awareness for the development of the village. The Government & the leaders of the village are always attemptive to develop the village. Whatever is conveyed in this meeting by the villagers & the Company is recorded & noted. The same will be conveyed to the Central Government & State Government. The decision is taken by the concerned authorities at Government Level. Allotment of land does not fall under the purview of Sarpanch. We have gathered here to listen to your views to avoid the environmental effects on the villages due to proposed coment project of the Company. A continuous video recording of this hearing is being done. This recording is being done as per the Notification of Central Government. In addition, he advised the Company's representative to reply to the villagers' issues.

After that, Shri G.V. Patel, Regional Officer, briefed the summary of Public Heering in Gujarati language.

After the clarifications submitted by the Company official, no work remains pending. The Collector & District Magistrate appreciated the people present for the excellent participation and the Company official for good arrangements for hearing and addressing the issues raised by people.

With these remarks and thanking everybody. The Collector declared the hearing concluded.

B BHANNAGAR

1

FAK NO. : 8278 2525E37

Sep. 02 2009 03:05PY P2

# VARA

(CENTRE FOR SOCIAL JUSTICE - JANVIKAS)

502, Raj Avenue, Bhalkaka Nagar Road, Nr. Thaltel Cross Road, Thaltel, Ahmedabad - 360 053 Telelax - (075) 2585 1321 • Email: paryavaranmikra@yahon.cg[fl. paryavaranmikra@indebines.com Website: http://paryavarannilifa, big in

Ref:- PMMP4932008

Shri Sanjiv Tyagi Member Secretary Gujarat Pollution Control Board Gandhinagar

Sub. : Environmental Public Hearing of Nirma Lid for proposed cement and coke even plant at Mahuva, Dist:- Bhavnagar.

Sir,

We have reviewed EIA report of above mentioned project. Following are our comments/suggestions/observations regarding project and EIA report.

- 1. What is status of NIO EIA report and CRZ Clearance?have you applied for CRZ clearance?
- What is starus of NOC from GPCB?
- 3. Whether separate Environment Clearance for Padhiraka lime stone mine has been proposed or not?if yes when?is any alternate source to get lime stone?
- Whether private land has been purchased or government land of total 280 Lectare land required? give a land break up.
- 5. Whether alternative of location or fuel has been thought at planning stage? If yes, please give details.
- 6. Whether gypsum as recycled material from local supplier has been proposed to
- purchase? Please give details.

  7. What is exact source of water? Sea water or Narmada canal?do you have plan for desalination plant?what capacity?when will you get narmeda water?govLagreed to give narmada water?produced a copy of that.
- Why sea water quantity is different in both water balance diagram, 24000 cum per day and 20000 cum per hour?

Inward N

**ANNEXURE: XXIV Contd** 

FRK NO. : 0279 2525E37

# PARYAVARAN



# (CENTRE FOR SOCIAL JUSTICE - JANVIKAS)

Website: Nip://paryavaranming.prp.in

9. Domestic water requirement is around 500 little per day during operational phase. Please justify.

10. Please justify stack beights.

11. Please justify 5 air monitoring stations with 3.6 km max distance from site for big size project like this.

12. Please give exact monitoring dates of all environmental parameters.

13. As mentioned in table 3.11, Gulf of Kutch is within buffer zone of project?

- 14. More than 50% land of surrounding area is of agriculture use, what would be impact of proposed plant on that?
- 15. How many skilled and unskilled people from surrounding area will get employment in proposed project?
- 16. World is facing crisis of Green House Gas pollution and Global warming turn why this plant is proposed which will increase air pollution?
- 17. Who will be held responsible in case of non implementation of Environment Management Plan?

Yours truly

Mahesh Pandva

Cc:-

1. Regional officer, GPCB, Bhavnagar



REGIX OFFICE: NIRMA HOUSE, ASHRAN ROAD, AHMEDABAD-380 DOS. PHONES: 27546565 - 74 FAX: (079) 27546603 - 27546605 Email: nirma @ad1.vanl.noc.in

NNLVKG/CP/7022/330/08-09

6th September 2008

١

The Regional Officer, Gujarat Poliution Control Board, Bhavnagar

Sub.: Environmental Public Hearing of proposed Cement Project (1.5 MTPA Clinker/1.91 MTPA Cement), Captive Power Plant (50 MW) and Coke Oven Plant (1.5 Lacs TPA) near Village Padhlarka, Taluka Mahuva, District Bhevenger, Sujauut, by M/s. Nirma Ltd.

Rof.: Letter received from PARYAVARAN MITRA (CENTRE FOR SOCIAL JUSTICE JANVIKAS), Ahmedabad vide ref:PM/MP/99/2008 dated 28/08/2008.

Dear Sir,

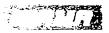
We draw your kind attention to the subject letter seeking certain clarifications to draft EIA report for the proposed Cement Project. We are pleased to furnish the clanifications as under.

S. No.	Questions / Comments	Nirma's Clarification
01.	What is status of NIO EIA report and CRZ dearance? Have you applied for CRZ dearance?	We have received NiO EIA Report for proposed Seawater Intake and Effluent disposal. Application for CRZ clearance will be made after getting HTL and LTL demarcated maps (pre-requisite document) for which we have engaged MoEF authorized agency.
02.	What is status of NOC from GPC8?	Online application for getting NOC from GPCB will be made after completion of Public hearing.
03.	Whether separate Environment Clearance for Padhlarka limestone mine has been proposed or not? If yes, when? Is any alternate source to get lime stone?	We have already awarded job to consultants for preparation of pre-requisite Mining Plan and EIA studies for Padhlarka limestone mines. After received to Mining offer and Padhlarka
04.	Whether private land has been purchased or government land of lotal 280 hectare land required? Give a land break-up.	Nirma had applied for 280 Ha. of Govt. Wasteland and against the epplication Govt. of Gujarat has allotted 268 Ha. of waste land. We would like to manage proposed plants in 268 Ha. of allotted land, therefore, we had not demanded for remaining 12.0 Ha. land. No private land has been purchased for the Nirma's Cement plant purpose.
05.	Whether alternative of location or fuel has been thought at planning stage? If yes, please give details.	Cement project is site-specific project and it is not possible to choose alternative sites. After lengthy site selection process we narrowed down to Padhiarka site. Atternatively fuel can also be imported to meet the requirement if fuel is not available from indigenous sources.
	Whether gypsum as recycled material from local supplier has been proposed to purchase? Please give details.	Required Gypsum at present to be sourced from Barmer, Rajasthan/or Marine Gypsum from Saurashtra area saftworks. Based on technical specification criteria and commercial riability the final decision will be taken. If there is any local supplier of gypsum meeting the quality criteria, then it can be considered.



REGOL OFFICE: NIRMA HOUSE, ASHRAN ROAD, AHMEDABAD-380 009, PHONES: 27546565-74 FAX: (079) 27546603 - 27546605 Email: nirma@adt.varl.nal.in

97. What is exact source of water? Sewater or Narmada canar? Do you have plain for desalination plan? What capacity? When will you get narmada water? Govt. agreed to give narmada water? Froduced a copy of that.  98. Why seawater quantity. Is different in both water balance diagram, 24000 cum per hour?  99. Domestic water requirement is around 500 liter per day mines in estimated emond 450 m			
canal? Do you have plain for desalination plant? What a plaines. Agreement has already been placed. Copy of allocation letter is enclosed as Annexure-1 Further, we are working on schemes for baying of pipelines for Seawater Intake and effluent disposal facilities.  8. Why seawater quantity. Stifferent in both water balance diagram, 24000 cum per hour?  9. Domestic water requirement is around 500 liter per day during operation phase. Please justify  10. Please justify stack heights.  10. Please justify 5 air monitoring stations with 3.8 km max. distance for sight of state brights.  11. Please justify 5 air monitoring stations with 3.8 km max. distance for sight of state brights.  12. Please give exact monitoring dates of all environmental parameters.  12. Please give exact monitoring dates of all environmental parameters.  13. Please give exact monitoring dates of all environmental parameters.  14. Please give exact monitoring dates of all environmental parameters.  15. Please give exact monitoring dates of all environmental parameters.	07.	<b>1</b>	Gujarat Water Infrastructure Limited, Gandhinagar vide its
desalination plant? What capacity? When will you got allocation letter is enclosed as Annexure-I armada water? Gord agreed to give narmada water? Foot agreed to give narmada water? Toduced a copy of that.  08. Why seawater quantity. Sould feter in high seawater in both water balance diagram, 24000 cum per day and 26000 cum per day during operation phase. Please justify  10. Piease justify stack heights.  11. Please justify 5 air monitoring stations with 3.6 km max. distance from site of big size project like this.  11. Please justify 5 air monitoring stations with 3.6 km max. distance from site or big size project like this.  12. Please give exact monitoring dates of all environmental parameters.  12. Please give exact monitoring dates of all environmental parameters.  13. Please give exact monitoring dates of all environmental parameters.	1		letter No. GWiL/Bhavnagar/Ind.conn/1257 dated 04/06/2008
capacity? When will you get narmada water? For a produced a copy of that.  08. Why seawater quantity. Is different in both water balance diagram, 24000 cum per day and 20000 cum per thou?  09. Domestic water requirement is around 500 liter per day during geration phase. Please justify  10. Please justify 5 air monitoring stations with 3.6 km max. distance from site for big size project like this.  11. Pleese justify 5 air monitoring stations with 3.6 km max. distance from site for big size project like this.  11. Please justify 5 air monitoring stations with 3.6 km max. distance from site for big size project like this.  12. Please give exact monitoring dates of all environmental parameters.	l l		has granted permission for supply of water from Narmada
narmada water? Govt. agreed to give narmada water? Produced a copy of that.  08. Why seawater quantity. Is different in both water balance diagram, 24000 cum per day and 20000 cum per day during eperation phase. Please justify stack helphis.  10. Piease justify stack helphis.  11. Please justify 5 air monitoring stations with 3.8 km max. distance from site for big size project like this.  11. Please justify 5 air monitoring stations with 3.8 km max. distance from site for big size project like this.  12. Please give exact monitoring dates of all environmental parameters.  13. Please give exact monitoring dates of all environmental parameters.	1		
to give narmada water? Produced a copy of that.  08. Why seawater quantity. Is different in both water balance diagram, 24000 cum per balance diagram, 24000 cum per day and 20000 cum per day and 20000 cum per day and 20000 cum per bour?  09. Domestic water requirement is around 500 liter per day during generation phase. Please justify  10. Please justify stack helphis.  10. Please justify stack helphis.  11. Please justify 5 air monitoring stations with 3.0 km max. distance from site for big size project like this.  11. Please justify 5 air monitoring stations with 3.0 km max. distance from site for big size project like this.  12. Please justify 5 air monitoring stations of the stations of the stations of the same direction of a distance of 3.6 km was also set to know the base line data around that location. But after continuous data was monitored for 2 monitoring stations. It may however be noted that the maximum concentration came at a distance of 2 km for 50, and NO <sub>2</sub> which lies in between the above mentioned established at the point of occurrence of maximum GLC of SPM from the plant will be virtually negligible (3.55 pp/hs) at the point of occurrence of maximum GLC of SPM it. at 5 km and hence the point of its occurrence of maximum GLC of SPM it. at 5 km and hence the point of its occurrence of maximum GLC of SPM it. at 5 km and hence the point of its occurrence of maximum GLC of SPM it. at 5 km and hence the point of its occurrence of maximum GLC of SPM it. at 5 km and hence the point of its occurrence of maximum GLC of SPM it. at 5 km and hence the point of its occurrence of maximum GLC of SPM it. at 5 km and hence the point of its occurrence of maximum GLC of SPM it. at 5 km and hence the point of occurrence of maximum GLC of SPM it. at 5 km and hence the point of its occurrence of maximum GLC of SPM it. at 5 km and hence the point of its occurrence of maximum GLC of SPM it. at 5 km and hence the point of its occurrence of the point of the environmental attributes in summer season (March 2007 to May 20	Ì		
Produced a copy of that.  08. Why seawater quantity. Is different in both water balance diagram, 24000 cum per day and 20000 cum per day and 20000 cum per hour?  09. Domestic water requirement is around 500 liter per day durfing operation phase. Please justify.  10. Please justify stack heights.  10. Please justify stack heights.  11. Please justify 5 air monitoring stations with 3.8 km max distance from site for big size project like this.  11. Please justify 5 air monitoring stations with 3.8 km max distance from site for big size project like this.  12. Please justify 5 air monitoring stations with 3.6 km max distance of 3.6 km was also set to know the base line data around that location. But after continuous data was monitored for 2 monitor and red into maximum concentration came at a distance of 2 km for SO, and NO, which lies in between the above menitorine distance. Therefore the setting up of stations is justified. In line with parameters.  12. Please give exact monitoring dates of all environmental aparameters.	1	,	
Other total 20000 m²/hr seawater, 1000 m²/hr ke. 24000 m²/hr ke. 24000 m²/hr water balance diagram, 24000 cum per day and 20000 cum per day during genetion phase Please justify  10. Please justify  10. Please justify stack helphts.  11. Please justify 5 air monitoring stations with 3.6 km max distance from site for big stee project like this.  11. Please justify 5 air monitoring stations with 3.6 km max distance from site for big stee project like this.  12. Of the first stations of the per day distance of 10 km and here stations at 10 km of 3.6 km was also set to know the base line data around that location; But after continuous data was menitored for 2 months and fed into the model, the maximum contribution of SPM from the plant will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental parameters.	1		To Seawater intake and entuent disposar facilities.
different in both water balance diagram, 24000 cum per day and 26060 cum per hour?  O9. Domestic water requirement is around 500 litter per day during operation phase. Please justify  10. Piease justify  10. Piease justify stack helphts.  11. Please justify 5 air monitoring stations with 3,8 km max distance from site for big stze project like this.  11. Please justify 5 air monitoring stations with 3,8 km max distance from site for big stze project like this.  12. Please justify 5 air monitoring stations with 3,8 km max distance from site for big stze project like this.  13. Please justify 5 air monitoring stations with 3,6 km max distance from site for big stze project like this.  14. Please justify 5 air monitoring stations with 3,6 km max distance of 3,6 km was also set to know the base line data around that location. But after continuous data was monitored for 2 months and ied inho the model, the maximum concentration came at a distance of 2 km for SO, and NO <sub>2</sub> which lies in between the above mentioned established stations. It may however be noted that the maximum GLC of SPM i.e. at 5 km and hence the point of its occurrence of maximum GLC of SPM i.e. at 5 km and hence the point of occurrence of maximum GLC of SPM i.e. at 5 km and hence the point of its occurrence of maximum GLCs of SO, & NO, L. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of ELA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be seen carried out at all the five selected locations on twice a week on 24-hty basis. Water sampling was carried out between 10/05/2007 to 250/5/2007 during the study period. Noise sampling was carried out to between 10/05/2007 to 250/5/2007 during the study period. Noise sampling was carried out to between 10/05/2007 to 250/5/2007 during the study period. Noise sampling was carried out to between 10/05/2007 to 250/5/2007 during the study period. Noise sampling was carried out to the maximum carrie	09		Out of total 20000 m by sequeler 1000 m m; in 24000
balance diagram, 24000 cum per hour?  09. Domestic water requirement is around 500 litter per day durling operation phase. Please justify  10. Please justify stack helphts.  11. Please justify 5 air monitoring stations with 3 a km max distance from site for big stze project like this.  11. Please justify 5 air monitoring stations with 3 a km max distance from site for big stze project like this.  12. Please give exact monitoring dates of all environmental parameters.  12. Please give exact monitoring dates of all environmental parameters.  13. Please give exact monitoring dates of all environmental parameters.  14. Please give exact monitoring dates of all environmental parameters.	00.		
per day and 26660 cum per hour?  Domestic water requirement is around 500 liter per day during generation phase. Please justify  10. Please justify stack heights.  11. Please justify 5 air monitoring stations with 3.8 km max. distance from site for big size project like this.  11. Please justify 5 air monitoring stations with 3.8 km max. distance from site for big size project like this.  12. Please justify 5 air monitoring and instance of 3.6 km was also set to know the base line data around that locationi. But after continuous data was monitored for 3 monitoring and NO <sub>x</sub> which lies in between the above mentioned established stations. It may however be noted that the maximum occurrence of maximum GLC of SPM i.e. at 5 km and thence the point of occurrence of maximum GLC of SPM i.e. at 5 km and hence the point of its occurrence of maximum GLC of SPM i.e. at 5 km and hence the point of occurrence of maximum GLC of SPM i.e. at 5 km and hence the point of a stance. If no subject is not as important as that of point of occurrence of maximum GLC of SPM i.e. at 5 km and hence the point of a stance. Therefore the setting up of stations is justified, in line with para 3.15 of ELA report, there are no industries in the buffer zone of 10 km and hence the air quality will be saled to the first parameters.  12. Please give exact monitoring dates of all environmental parameters.  Domestic water requirement for proposed project including mines is estimated environmental attributes in summer season (March 2007 to May 2007) during the study period. Noise sampling was carried out in the house of 10 km and hence the air quality will be saled to the first parameter on the study period. Noise sampling was carried out in the first parameter of the study period. Noise sampling was carried out in the study period. Noise sampling was carried out in including the study period. Noise sampling was carried out in including the study period. Noise sampling was carried out in including the study period. Noise sampling was carried out in inc	1		Cement, Coke Oven and CPP Remaining 19,000 m in will
10. Domestic water requirement is around 500 liter per day during operation phase. Please justify  10. Please justify stack heights.  10. Please justify stack heights.  11. Please justify 5 air monitoring stations with 3.8 km max. distance from size for big stack project like this.  11. Please justify 5 air monitoring stations with 3.8 km max. distance from size for big stack project like this.  12. Please justify 5 air monitoring of stations with 3.8 km max. distance of the stations with 3.8 km max. distance from size for big stack project like this.  12. Please give exact monitoring dates of all environmental parameters.  13. Please give exact monitoring dates of all environmental parameters.	1		be used for once through cooling system for proposed CPP.
Is around 500 liter per day during greaten phase. Please justify suppression/ planistion, miscellaneous etc.  10. Fiease justify stack heights.  Stack heights have been calculated based on applicable following formula H= 14 (Q) <sup>23</sup> Where, Q= SO <sub>2</sub> emission in kg/hr and H= 74 (Q) <sup>23</sup> Where, Q= SPM emission in kg/hr formula's adopted are as per CPCB guidelines.  As the maximum stack height within the plant premises is 121.0 m (in case of CPP) and air pollution maximum GLC from state for big star project like this.  As the maximum stack height within the plant premises is 121.0 m (in case of CPP) and air pollution maximum GLC from stack usually comes at a distance of 10 times of stack height, the station BA1 was established at village Pachiarks at 1 km distance in predominant down wind direction. One more stallon BA4 et Duchala in the same direction at a distance of 3.6 km was also set to know the base line data around that location. But after continuous data was micritored for 3 months and feet into the model, the maximum concentration came at a distance of 2 km for SO <sub>2</sub> and NO <sub>2</sub> which lies in between the above mentioned established stations. It may however be noted that the maximum GLC of SPM It. at 5 km and hence the point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>4</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In the with para 3.15 of EIA report, there are no inclustries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 10705/2007 to 2505/2007 during the study period. Noise sampling was carried out to a serie out the selected out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out to the selected out	-	hour?	
dunking water purpose, Canteen, Guest House, dust suppression/plantation, miscellaneous etc.  10. Please justify stack helghts.  Stack helghts have been calculated based on applicable following formula H= 14 (O) <sup>8,27</sup> Where, Q= SO <sub>2</sub> emission in kg/hr and H= 74 (O) <sup>8,27</sup> Where, Q= SPM emission in kg/hr Formula's adopted are as per CPCB guidelines.  11. Please justify 5 air monitoring stations, with 3,6 km max. distance from site for big size project like this.  12. In (in case of CPP) and air village Padhiarka at 1 km distance in Perdominant down wind direction. One more station BA4 at Dudhata in the same direction at a distance of 3.6 km was also set to know the base line data around that location. But after continuous data was monitored for 3 months and fed into the model, the maximum concentration came at a distance of 2 km for SO <sub>2</sub> and NO <sub>2</sub> which lies in between the above mentioned established stations. It may however be noted that the maximum ochtribution of SPM from the plant will be virtually negligible (3.55 µg/hrs) at the point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>2</sub> te. at 2 km distance. Therefore the setting up of stations is justified. In the with para 3.15 of EIA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out to between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out to the selected out and the sampling was carried out to the selected out and the selected out and the state of during the study period. Noise sampling was carried out in the sampling was carried out to the selected out and the select	09.	Domestic water requirement	
Please justify  10. Piease justify stack helphts.  Stack helphts have been carculated based on applicable following formula:  H= 14 (Q) <sup>0.3</sup> Where, Q= SO <sub>2</sub> emission in kg/hr and  H= 74 (Q) <sup>0.3</sup> Where, Q= SPM emission in kg/hr and  H= 74 (Q) <sup>0.3</sup> Where, Q= SPM emission in kg/hr and  H= 74 (Q) <sup>0.3</sup> Where, Q= SPM emission in kg/hr formula; a adopted are as per CPCB guidelines.  11. Please justify 5 air monitoring stations with 3.6 km max. distance from site for big size project like this.  As the maximum stack helght within the plant premises is 121.0 m (in case of CPP) and air pollution maximum GLC from stack usually comes at a distance of 10 times of stack helght, the station BA1 was established at vitage Padharka at 1 km distance in predominant down wind direction. One more station BA4 of Dudhala in the same direction at a distance of 3.6 km was also set to know the base line data around that location. But after continuous data was monitored for 3 months and fed into the model, the maximum concentration came at a distance of 2 km for SO <sub>2</sub> and NO <sub>2</sub> which fies in between the above mentioned established stations. It may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>1</sub> to, at 2 km distance. Therefore the setting up of stations is justified. In the with para 3.15 of EIA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in the selected of the study period. Noise sampling was carried out in the sampling was carried out in the sampling was carried out	1		
10. Piease justify stack helghts.  Stack helghts have been calculated based on applicable following formula:  H= 14 (0) <sup>0.32</sup> Where, Q= SO <sub>2</sub> emission in kg/hr and  H= 74 (0) <sup>0.32</sup> Where, Q= SPM emission in kg/hr and  H= 74 (0) <sup>0.32</sup> Where, Q= SPM emission in kg/hr and  11. Please justify 5 air monitoring stations with 3.6 km max.  distance from site for big size project like this.  121.0 m (in case of CPP) and air pollution maximum GLC from stack usually comes at a distance of 10 times of stack helght, the station BA1 was established at vitage Padhiarka at 1 km distance in predominant down wind direction. One more station BA4 at Dudhata in the same direction at a distance of 3.6 km was also set to know the base line data around that locationi. But after continuous data was monitored for 2 months and fed into the model, the maximum concentration came at a distance of 2 km for SO, and NO <sub>2</sub> which lies in between the above monitoned established stations. It may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>4</sub> (e. at 2 km distance. Therefore the setting up of stations is justified. In the with para 3.15 of EIA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental parameters.  13. Please give exact monitoring dates of all environmental parameters.  14. Please give exact monitoring tatributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrty basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in the summer sampling	1		
following formula H= 14 (Q) <sup>0.27</sup> Where, Q= SO <sub>2</sub> emission in kg/hr and H= 74 (Q) <sup>0.27</sup> Where, Q= SPM emission in kg/hr Formula's adopted are as per CPCB guidelines.  11. Please justify 5 air monitoring stations with 3.8 km max. distance from site for big size project like this.  As the maximum stack, height within the plant premises is 121.0 m (in case of CPP) and air pollution maximum GLC from stack usually comes at a distance of 10 times of stack height, the station BA1 was established at village Padhiarka at 1 km distance in predominant down wind direction. One more station BA4 at Dudhata in the same direction at a distance of 3.6 km was also set to know the base line data around that location. But after continuous data was monitored for 2 morellines and fed into the model, the maximum concentration came at a distance of 2 km for SO, and NO <sub>x</sub> which lies in between the above mentioned established stations, it may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLC of SPM i.e. at 5 km and hence the point of its occurrence is not as important as that of point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>x</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The baseline data was collected for all the environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrty basis. Water sampling was carried out between n0705/2007 to 250/5/2007 during the study period. Noise sampling was carried out in	ļ		
H= 14 (C) <sup>0.3</sup> Where, C= SO <sub>2</sub> emission in kg/hr and H= 74 (C) <sup>0.27</sup> Where, C= SPM emission in kg/hr Formula's adopted are as per CPCB guidelines.  11. Please justify 5 air monitoring stations with 3.6 km max. distance from size for big size project like this.  12. Om (in case of CPP) and air pollution maximum GLC from stack usually comes at a distance of 10 times of stack height, the station BA1 was established at village Padhiarks at 1 km distance in predominant down wind direction. One more station BA4 at Dudhata in the same direction at a distance of 3.5 km was also set to know the base line data around that localion. But after continuous data was monitored for 3 months and fed into the model, the maximum concentration came at a distance of 2 km for SO <sub>2</sub> and NO <sub>x</sub> which lies in between the above mentioned established stations. It may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLC of SPM i.e. at 5 km and hence the point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>x</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In the with para 3.15 of ElA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental parameters.  13. Please give exact monitoring tatioties in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrty basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	10.	Flease justify stack helghts.	
Where, Q= SO <sub>2</sub> emission in kg/hr and H= 74 (Q1 <sup>0.27</sup> Where, Q= SPM emission in kg/hr Formula's adopted are as per CPCB guidelines.  As the maximum stack height within the plant premises is stations, with 3.6 km max, distance from site for big size project like this.  11. Please justify 5 air monitoring stations with 3.6 km max, distance from site for big size project like this.  As the maximum stack height within the plant premises is 121.0 m (in case of CPP) and air pollution maximum GLC from stack usually comes at a distance of 10 times of stack height, the station BA1 was established at village Padhiarka at 1 km distance in predominant down wind direction. One more station BA4 at Dudhata in the same direction at a distance of 3.6 km was also set to know the base line data around that location. But after continuous data was monitored for 3 months and fed into the model, the maximum concentration came at a distance of 2 km for SO <sub>2</sub> and NO <sub>2</sub> which lies in between the above mentioned established stations. It may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLC of SPM. It. at 5 km and hence the point of occurrence or maximum GLCs of SO <sub>2</sub> & NO <sub>2</sub> (e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on livice a week on 24-hrly basis. Water sampling was carried out between 1005/2007 to 2505/2007 during the study period. Noise sampling was carried out in	1	1	tolowing tolinula
and H= 74 (Q) <sup>0.27</sup> Where, Q= SPM emission in kg/hr Formula's adopted are as per CPCB guidelines.  11. Please justify 5 air monitoring stations, with 3.6 km max, distance from site for big size project like this.  12. In (in case of CPP) and air pollution maximum GLC from stack usually comes at a distance of 10 times of stack height, the station BA1 was established at village Padhiarks at 1 km distance in predominant down wind direction. One more station BA4 at Dudhata in the same direction at a distance of 3.6 km was also set to know the base line data around that location. But after continuous data was monitored for 2 months and fied into the model, the maximum concentration came at a distance of 2 km for SO <sub>2</sub> and NO <sub>2</sub> which lies in between the above mentioned established stations, it may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLC of SPM i.e. at 5 km and hence the point of its occurrence is not as important as that of point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>4</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental parameters.  13. Please give exact monitoring that the control of the environmental attributes in summer season (March 2007 to May 2007). The baseline data was collected for all the environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrty basis. Water sampling was carried out between 10/05/2007 to 250/5/2007 during the study period. Noise sampling was carried out to the virtual parameters.	1	<b>,</b>	
Where, Q= SPM emission in kg/hr Formula's adopted are as per CPCB guidelines.  As the maximum stack height within the plant premises is 121.0 m (in case of CPP) and air pollution maximum GLC from stack usually comes at a distance of 10 times of stack height, the station BA1 was established at vitinge Padhiarks at 1 km distance in predominant down wind direction. One more stallon BA4 et Dudhala in the same direction at a distance of 3.6 km was also set to know the base line data around that location. But after continuous data was monitored for 3 months and fed into the model, the maximum concentration came at a distance of 2 km for SO, and NO <sub>x</sub> which lies in between the above mentioned established stations. It may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLC of SPM it.e at 5 km and hence the point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>x</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of ElA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental parameters.  13. Please give exact monitoring the study period. Noise sampling was carried out to between 10/05/2007 to 2505/2007 during the study period. Noise sampling was carried out between 10/05/2007 to 2505/2007 during the study period. Noise sampling was carried out the study period. Noise sampling was carried out to such that the such study period. Noise sampling was carried out to between 10/05/2007 to 2505/2007 during the study period. Noise sampling was carried out to such that the such study period. Noise sampling was carried out to such that the such study period. Noise sampling was carried out to such that the such	į		
Where, Q= SPM emission in kg/hr Formula's adopted are as per CPCB guidelines.  11. Please justify 5 air monitoring stations with 3.6 km max. distance from site for big size project like this.  12. Om (in case of CPP) and air pollution maximum GLC from stack usually comes at a distance of 10 times of stack height, the station BA1 was established at village Pathiarka at 1 km distance in predominant down wind direction. One more station BA4 at Dudhala in the same direction at a distance of 3.6 km was also set to know the base line data around that location. But after continuous data was monitored for 2 monitors and fed into the model, the maximum concentration came at a distance of 2 km for SO, and NO <sub>x</sub> which lies in between the above mentioned established stations. It may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLC of SPM i.e. at 5 km and hence the point of its occurrence is not as important as that of point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>x</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental parameters.  13. Please give exact monitoring the selected for all the environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 1005/2007 to 2505/2007 during the study period. Noise sampling was carried out in	1	1	H= 74 (Q) <sup>0,27</sup>
Formula's adopted are as per CPCB guidelines.  11. Please justify 5 air monitoring stations with 3.6 km max. distance from site for big size project like this.  121.0 m (in case of CPP) and air pollution maximum GLC more station BA1 was established at village Pachiarka at 1 km distance in predominant down wind direction. One more station BA4 at Dudhala in the same direction at a distance of 3.6 km was also set to know the base line data around that location. But after continuous data was monitored for 3 months and fed into the model, the maximum concentration came at a distance of 2 km for SO <sub>2</sub> and NO <sub>x</sub> which lies in between the above mentioned established stations. It may however be noted that the maximum GLC of SPM I.e. at 5 km and hence the point of occurrence is not as important as that of point of occurrence of maximum GLCs of SPM I.e. at 5 km and hence the point of occurrence is not as important as that of point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>x</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental parameters.  13. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	1	1	Where, Q= SPM emission in kg/hr
stations with 3.6 km max. distance from site for big size project like this.  121.0 m (in case of CPP) and air pollution maximum GLC from stack usually comes at a distance of 10 times of stack height, the station BA1 was established at village Padhiarka at 1 km distance in predominant down wind direction. One more station BA4 at Dudhala in the same direction at a distance of 3.6 km was also set to know the base line data around that location. But after continuous data was monitored for 3 monitor and fed into the model, the maximum concentration came at a distance of 2 km for SO <sub>2</sub> and NO <sub>x</sub> which lies in between the above mentioned established stations. It may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>x</sub> te. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental parameters.  13. Please give exact monitoring the study period. Noise sampling was carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in		ì	Formula's adopted are as per CPCB guidelines.
distance from site for big size project like this.  from stack usually comes at a distance of 10 times of stack height, the station BA1 was established at village Padhiarks at 1 km distance in predominant down wind direction. One more station BA4 at Dudhala in the same direction at a distance of 3.6 km was also set to know the base line data around that localion. But after continuous data was menitored for 3 months and fed into the model, the maximum concentration came at a distance of 2 km for SO <sub>2</sub> and NO <sub>x</sub> which fies in between the above mentioned established stations. It may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLC of SPM i.e. at 5 km and hence the point of its occurrence is not as important as that of point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>x</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The baseline data was collected for all the environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 1005/2007 to 2505/2007 during the study period. Noise sampling was carried out in	11.	Please justify 5 air monitoring	
height, the station BA1 was established at village Padhiarka at 1 km distance in predominant down wind direction. One more station BA4 at Dudhala in the same direction at a distance of 3.6 km was also set to know the base line data around that location. But after continuous data was monitored for 3 months and fed into the model, the maximum concentration came at a distance of 2 km for SO <sub>2</sub> and NO <sub>x</sub> which lies in between the above mentioned established stations. It may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLC of SO <sub>2</sub> & NO <sub>x</sub> Le. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no inclustries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The baseline data was collected for all the environmental attributes in summer season (March 2007 to Aday 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	1		
at 1 km distance in predominant down wind direction. One more station BA4 at Dudhala in the same direction at a distance of 3.6 km was also set to know the base line data eround that location. But after continuous data was monitored for 3 months and fed into the model, the maximum concentration came at a distance of 2 km for SO <sub>2</sub> and NO <sub>x</sub> which lies in between the above mentioned established stations. It may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLC of SPM i.e. at 5 km and hence the point of its occurrence is not as important as that of point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>4</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental parameters.  13. Please give exact monitoring the baseline data was collected for all the environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in			
more station BA4 at Dudhata in the same direction at a distance of 3.6 km was also set to know the base line data around that location. But after continuous data was monitored for 3 monitor and fed into the model, the maximum concentration came at a distance of 2 km for SO <sub>2</sub> and NO <sub>x</sub> which lies in between the above mentioned established stations. It may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>x</sub> te. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental parameters.  13. Please give exact monitoring the study period. Noise sampling was carried out in the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	Į	project like this.	
distance of 3.6 km was also set to know the base line data around that location. But after continuous data was monitored for 3 months and fed into the model, the maximum concentration came at a distance of 2 km for SO <sub>2</sub> and NO <sub>x</sub> which lies in between the above mentioned established stations. It may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLC of SPM i.e. at 5 km and hence the point of its occurrence is not as important as that of point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>x</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The baseline data was collected for all the environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 1005/2007 to 2505/2007 during the study period. Noise sampling was carried out in	1		
around that location. But after continuous data was monitored for 3 months and fed into the model, the maximum concentration came at a distance of 2 km for SO <sub>2</sub> and NO <sub>x</sub> which lies in between the above mentioned established stations. It may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLC of SPM i.e. at 5 km and hence the point of its occurrence is not as important as that of point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>x</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no inclustries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The baseline data was collected for all the environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	i		
monitored for 3 months and fed into the model, the maximum concentration came at a distance of 2 km for SO <sub>2</sub> and NO <sub>x</sub> which files in between the above mentioned established stations. It may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLC of SPM i.e. at 5 km and hence the point of its occurrence is not as important as that of point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>4</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no inclustries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The baseline data was collected for all the environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	1	1	
maximum concentration came at a distance of 2 km for SO <sub>2</sub> and NO <sub>x</sub> which lies in between the above mentioned established stations. It may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>x</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental parameters.  13. Please give exact monitoring attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	į.	}	
established stations. It may however be noted that the maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLC of SPM l.e. at 5 km and hence the point of its occurrence is not as important as that of point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>8</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no inclustries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The baseline data was collected for all the environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	}		
maximum contribution of SPM from the plant will be virtually negligible (3.55 µg/m3) at the point of occurrence of maximum GLC of SPM I.e. at 5 km and hence the point of its occurrence is not as important as that of point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>4</sub> I.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no inclustries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The baseline data was collected for all the environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out in	1	1	and NO <sub>x</sub> which fies in between the above mentioned
negligible (3.55 µg/m3) at the point of occurrence of maximum GLC of SPM i.e. at 5 km and hence the point of its occurrence is not as important as that of point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>4</sub> , i.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The baseline data was collected for all the environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	1	}	
maximum GLC of SPM i.e. at 5 km and hence the point of its occurrence is not as important as that of point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>8</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EtA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The baseline data was collected for all the environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hty basis. Water sampling was carried out the tween 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	1	{	
its occurrence is not as important as that of point of occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>3</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of ELA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	1	}	
occurrence of maximum GLCs of SO <sub>2</sub> & NO <sub>a</sub> i.e. at 2 km distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no inclustries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out the tween 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	1		
distance. Therefore the setting up of stations is justified. In line with para 3.15 of EIA report, there are no inclustries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The baseline data was collected for all the environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hrly basis. Water sampling was carried out the tween 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	1		
In a with para 3.15 of EIA report, there are no industries in the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring that dates of all environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hty basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	1	į.	
the buffer zone of 10 km and hence the air quality will be similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hity basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	1	1	
similar, hence it may not be advisable to put more stations.  12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out all the five selected locations on twice a week on 24-http basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	1		
12. Please give exact monitoring dates of all environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-hty basis. Water sampling was carried out the tween 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	1	1	
dates of all environmental attributes in summer season (March 2007 to May 2007). The AAQ monitoring has been carried out at all the five selected locations on twice a week on 24-http basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	12.	Please give exact monitoring	
selected locations on twice a week on 24-hrly basis. Water sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in			
sampling was carried out between 10/05/2007 to 25/05/2007 during the study period. Noise sampling was carried out in	}		
during the study period. Noise sampling was carried out in	1		
	1		
the month of April 2007 and Soil sampling was carried out in	1		
	L	1	the month of April 2007 and Soil sampling was carried out in





## NIRMA LIMITED

REGD. OFFICE : NIRMA HOUSE, ASHRAM ROAD, AHMEDABAD-380 008, PHONES : 27546565 - 74 FAX : (079) 27546603 - 27546605 Email : nimia @ad1.vanlnel.in

	T	the month of June 2007, as it required to be monitored on		
L		seasonal basis.		
13.	As mentioned in table 3.11,	In table 3.11, Gulf of Kulch is wrongly reported Instead of		
1 .	Gulf of Kutch is within buffer	Gulf of Khambhat, which is a typographical error. Gulf of		
L	zone of project?	khambhal is within buffer zone of project.		
14.	More than 50 % land of	The possible impact on agriculture may be due to the		
!	surrounding area is of	following sources.		
1	agriculture use, what would			
į	be impact of proposed plant			
1	on that?	2. Dust emission from raw material		
!	!	Handling		
	}	3. Emission through chimney		
1	<b>\</b>	No effluent from plant will be disposed into agricultural		
1	<u> </u>	fields. Strict control measures will be adopted to suppress		
1	1	the dust emission at vulnerable location by dust		
!	l	extraction/suppression system, water sprinkling, and		
{	1	development of green belt around the periphery of plant.		
1 .		The concentration of pollulants in the emission gases will be		
	1	kept within norms stipulated by GPCB and CPCB by		
1		Installing appropriate capacity air politution control device of 99.99% efficiency.		
ļ				
Į	į.	The resultant levels (µg/m³) of pollutants will be (refer Table		
1		3.8 & Table 4.2 of EIA report) as follows:		
1				
1	4.	S. Pollutant Measured Predicted Resultant NAAQS for		
1		No. (max) Incremen Rural areas		
1	Ĭ,	1. SPM 168 · 3.55 169.55 200		
}		2 50 10.4 9.05 19.45 80		
l l	(	3. NO <sub>x</sub> 13.8 5.85 19.65 80		
1	1	A perusal of above table shows that the resultant levels are		
1	Į i	far loss than NAAQS; hence no adverse impact on		
!	1	agriculture is anticipated.		
L				
15.	How many skilled and	Implementation Phase: Total no. of persons will be 133.		
1	unskilled people from	Operation Phase: Total no. of persons will be 418.		
	surrounding area will get			
	employment in proposed project?	Rules/Regulation:		
16.	World is facing crisis of Green	(i) Proposed cement project is being setup to meet increase		
	House Gas Poliution and	market requirement.		
}	Global warming then why this	(ii) Proposed cement project is a permitted activity under		
1	plant is proposed which will	EIA Notification 2006 published by Ministry of Environment		
1	increase air pollution?	and Forest, Govt. of India, New Delhi and falls under		
1		calegory "A" for which necessary EIA/EMP has been		
	1	prepared.		
{	!	(iii) Adequate air pollution control measures have already		
		been taken care in design stage to meet CREP & CPCB		
1	}	guidelines.		
1		1		
L	<u> </u>	L		

ANNEXURE: XXIV Contd..



## NIRMA LIMITED

REGD. OFFICE: NIRMA HOUSE, ASHRAM ROAD, AHMEDABAD-380 009. PHONES: 27546555 - 74 FAX: (\$779) 27546503 - 27546505 Email: nirma@adt.vsrd.net.in

1	17.	Who	will be he	ald resp	onsible	ľ
ı		ln	case	of	non-	ı
١	'	imple	mentation		of	l
1	'	Envir	ronment	Mana	gement	1
ı		Plan'	?		_	1
- 1		j				

Management is committed to compty safety, environment and social obligations. A Full-fledged Environment Cell will be established to ensure compliance of Environmental Management Ptan. However, in case of non-compliance, Plant In-charge will be responsible as per provisions of applicable environmental acts/rules.

We trust, the clarifications submitted above are to your satisfaction please.

Thanking you,

Yours faithfully, For NIRMA LIMITED

V. N. Desai Vice President

End. As Above

ANNEXURE



## Gujarat Water Infrastructure Limited (A Govt. of Gujarat Undertaking)

Dr. Jivraj Mehts Bhavan, Block No. 1, 1" Floor, Ganchinagar - 382 010. Phone : (079) 23224176/23239537 Fax : 23222398 e-mail : gwilcompany 6 recilimail.com

GWIL/Bhavnagac/Ind.conn./19.57

4" June 2008

Nirma Limited. Nima House, Ashram Road, Ahmedabad - 380 009

Sub: Request for supply of Raw Water Ref: Your letter dated ? April 2008

As requested by you vide your above latter for requirement of raw water 1.00 M.O is here by granted for your unit situated in Chavange & Solid, raw water available from QLMC-4. The lines - Borda section) project with the following terms and conditions:

You have to enter into an agreement with GWIL within 45 days from the date of this

2. Please note that connection will be release after 1" July 2008

- GWIL will supply raw water, necessary all treatment before use of water shall have to 3.
- be given by you all your cost.

  The rate of water will be Rs. 15/- (Rupees Fifteen only) per 1000 ltrs which is lentative.

  The final rate as decided by the Govl. will make applicable and binding to pay by your 4.

You have to make your own arrangement for drawing water to your unit from the 5. connection point.

- You have to make your own arrangement to install flow meter and valves near the 6.
- connection point with locking arrangements and GWML wifi be in charge of the same.

  All the costs for flow meter, valves, laying pipeline, storage required etc from the connection point to your sump shall have to be borne by your Company.

  It will be your responsibility to ensure that the Flow meter remains in working condition. 7 8.
  - & duly calibrated time to time.
- Six months water charges i.e. Rs.27,00,0001- (Rupees liventy seven lacs only) shall 9
- have to be paid by you in advance as security deposit at the time of agreement. You have to bring documents sizes Stamp Paper of Rs. 1004- (Black) 1-No, Authority letter to sign & Seal the Agreement, Common Seal, Round Seal and Copy of Memorandum of Association & Articles of Association at the time of agreement.

You are requested to contact this office for execution of water sale agraement, within stipulated time limit as stated above.

Further GWIL shall be free to change draft agreement when required.

\* Thanking you,

Yours truely,

(V G Papalyawala) General Manager - II

Copy submitted to: 1) MD, GWIL

2) Chief General Manager(C), GWIL-for information please.

Copy to: Sr. Manager(C), GWIL, Barwala,