

**DOCUMENT
FOR
PUBLIC HEARING**

for

**LIMESTONE /DOLOMITE MINE
PRODUCTION CAPACITY - @ 0.5 MTPA
MINING LEASE AREA - 72.88 ha**

**AT
VILLAGE : BAHILAMPUR
TALUKA : JHARI-JAMNI
DISTRICT : YAVATMAL (MAHARASHTRA)**

OF

**JLD CEMENT LTD.
REGUS, 5TH FLOOR, LANDMARK BUILDING
WARDHA ROAD, RAMDASPETH
NAGPUR 440 010**

PREPARED BY

**ENVIRO TECHNO CONSULT
51, EAST LENDRA PARK
RAMDASPETH
NAGPUR 440 010**

MARCH 2010

DOCUMENT FOR PUBLIC HEARING

EXECUTIVE SUMMARY

JLD Cement Limited (JLDCL) has been recommended grant of Mining Lease for Limestone/Dolomite mining over 72.88 ha area in Bahilampur Village in Yavatmal District of Maharashtra. To facilitate grant of Mining Lease by the State Government of Maharashtra, JLDCL is required to obtain Environment Clearance for the Project for which the application was submitted to Ministry of Environment & Forests (MoEF), Government of India on 15-12-2008.

The proposal was considered by the Expert Appraisal Committee (EAC) of MoEF on August 3/4, 2009 and the Committee prescribed the Terms of Reference (TOR) to JLDCL on August 19, 2009 for preparation of the Environmental Impact Assessment Report (EIA) and Environment Management Plan (EMP) for the Limestone/Dolomite Mining Project.

1.1 Salient Points of the Project

Name of the Project	Bahilampur Limestone/Dolomite Mining Project
Nature of Project	Opencast Limestone/Dolomite Mine
Leasehold Area	72.88 ha
Proposed Mine Capacity	0.50 MTPA
Existing Land use	Private Revenue Land
Location	Village - Bahilampur, Tehsil – Jhari-Jamni, District –Yavatmal

The proposed Limestone/Dolomite mining Project of JLDCL is located in Yavatmal District of Maharashtra. Yavatmal is one of the poorest and backward districts of Vidarbha Region. It has witnessed suicides of hundreds of debt ridden farmers. There is hardly any irrigation facility in the area and therefore the farmers are dependent on monsoon. There is virtually no industry in the district and hence there is no source of alternative employment.

The site is located at about 148 km from Yavatmal and about 170 km from Nagpur. The location plan is given in **Figure 1**.

1.2 Mining Lease Area

The total area of the Mining Leasehold recommended to JLDCL for Bahilampur Project is 72.88 ha. The area is Private Revenue land and is bounded by private revenue land on the three sides and on South-South West side by proposed Mining Lease Area recommended to other applicant.

1.3 Geology

Area is plain with limestone (LS) and dolomite outcrops. Soil thickness in a few patches varies between 0.2 and 1 m. GSI have mapped and investigated mineral deposits in Yavatmal district. Further, occurrence of Limestone/ Dolomite in the Bahilampur Area has been substantiated by Directorate of Geology and Mining, Government of Maharashtra, through drilling.

1.4 Reserves

The reserve is estimated on the basis of geological map and cross-sections given by DGM. In applied area, the area covered by limestone formation in both the two bands is as under:

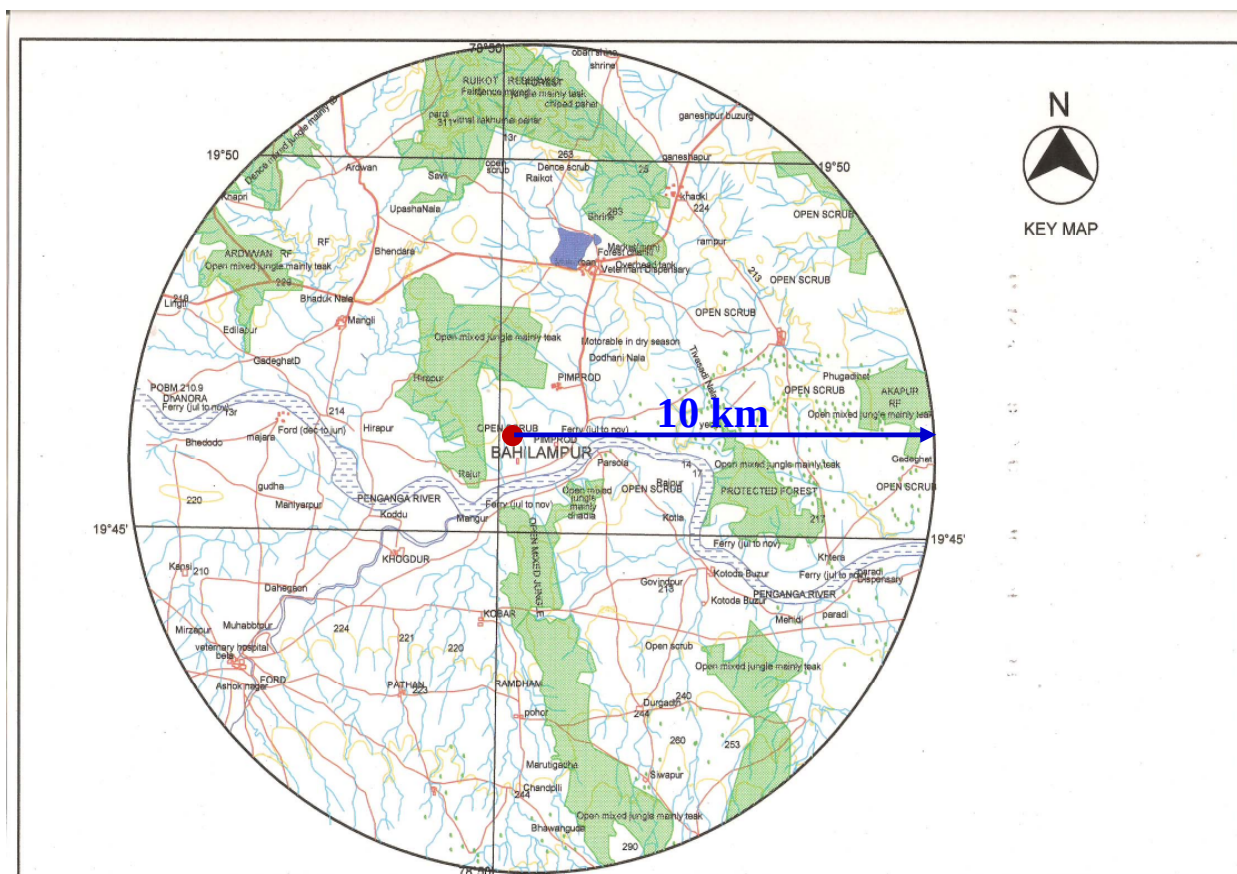
Band-I, Area covered about 5,200 sqm and boreholes drilled 9 nos.

Band-II, Area covered 80,000 sqm and boreholes drilled 6 nos.

Besides these bands, a small part of the area situated on the east of applied area (a part of central block named by DGM), is also covered in the eastern portion of the applied area, wherein the limestone is encountering below a thickness of 1.5 m average OB.

The effective boreholes drilled in this area are three numbers. Bore holes drilled by DGM are not in any grid pattern and the distance between two bore holes is also variable.

FIGURE 1



As per Approved Mining Plan, the reserves of limestone / dolomite in Bahilampur Deposit are provided below:

Sr. No.	Reserve Category	Reserves in Million Tonnes	
		Limestone	Dolomite
1	Proved	1.86	Nil
2	Probable	0.52	Nil
3	Possible	1.12	Nil
4	Inferred	Nil	6.95
Total =		3.50	6.95

1.5 Mining Methodology

The production of limestone will be by open cast mechanized method by using excavator/shovels, wagon drills, jackhammers, compressors, dumpers, dozers, tippers, etc.

The mining bench will be drilled by wagon drill and blasted. The oversize boulders will be secondary drilled by Jack Hammer and blasted. The blasted mass will be loaded by 2 cum shovel into 20 tonner dumpers and transported to the crusher of cement plant.

1.6 Drilling & Blasting

It is proposed to drill 100 mm blast holes in limestone/dolomite by Wagon Drill. With spacing of 5 m, Burden of 3 m and Bench Height of 5 m, it is estimated that 9 holes shall be required to obtain production of 1667 tonnes of limestone per One Wagon Drill can drill 10 to 12 holes per day. Thus, one Wagon Drill shall be sufficient for required production. However, provision of one standby Wagon Drill has also been made.

1.7 Mining Equipment

It is proposed to undertake mining operations by opencast mining using heavy equipment. The equipment shall be required for following operations:

- a. Drilling
- b. Loading of blasted material.
- c. Transportation of limestone to crusher house and overburden / sub-grade to waste dump.
- d. Miscellaneous equipment for allied operations.

1.8 Mine Site Infrastructure & Site Services

Two rest shades and one blasting shade are proposed to be constructed at the quarry site. Adequate quantity of drinking water will be provided to the employees/workers. Sufficient number of urinals and latrines will be provided at the mines.

It is proposed further to develop other site services as mine office, canteen, store-room, first-aid center, magazine etc. in the lease area.

1.9 Environmental aspects

Monitoring

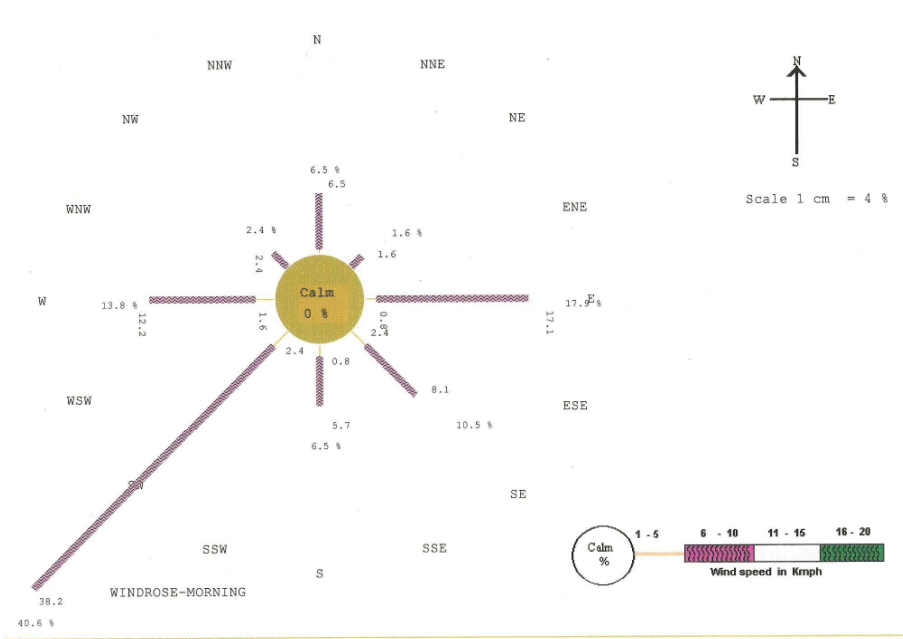
- ☀ Monitoring for base line environment-quality within 10 km radius was conducted from October to December 2009. Micro-meteorological data from the nearest air port at Yavatmal also that for monitoring period was collected at the site.
- ☀ Air quality along with noise measurements was monitored at 8 stations. Traffic survey was conducted on two nearby roads. Water quality of nine ground and surface sources was examined. Physical & -chemical quality of two soil samples was estimated. Land use pattern in the area was obtained from the satellite imagery and by the field surveys. Information from 2001 census report and from personal interviews was collated to conclude upon the social & economic status of the area.

Findings:

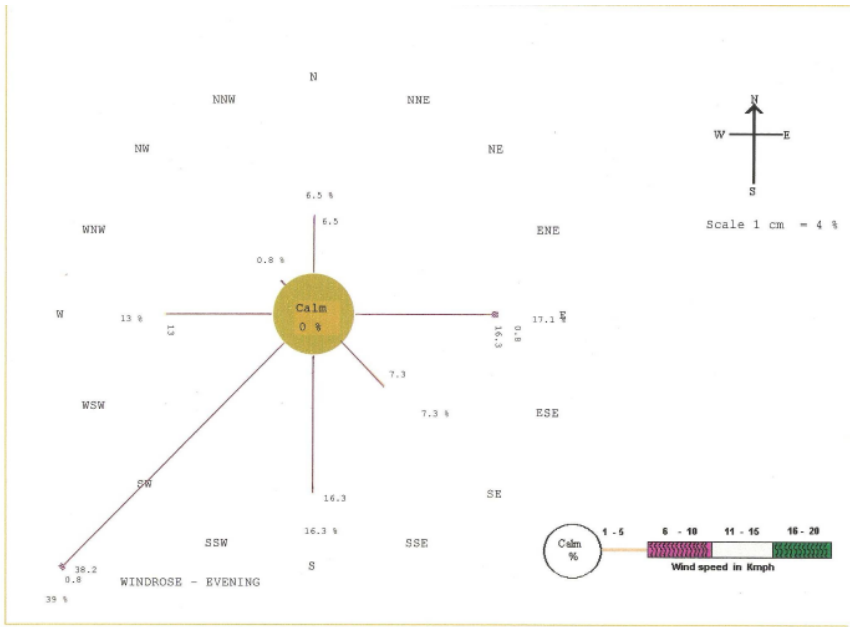
A. Air environment

- ◆ Predominant wind directions were SW (40.6%), E (17.9%), W (13.8%). Wind rose is given at **Figure 2**.
- ◆ There is no industrial activity and no pollution sources exist in the area. Rural ambient air quality (AAQ) was observed and given in **Annexure 1**.
- ◆ Impacts of proposed OC mining activities on AAQ were predicted by 'emission factor' approach. Dispersion of the predominant emissions viz. the particulate matter was calculated by the modified Gaussian dispersion model for fugitive emissions at ground level.
- ◆ Predicted GLCs due to ML area source without control measures in downwind direction at various distances are given below:

FIGURE 2



Wind Rose for morning



Wind Rose for evening

Area source	GLCs of PM $\mu\text{g}/\text{m}^3$ on day of blasting
Distance in (m)	
100	944
200	1009
300	378
400	236
500	164
1000	45
1500	36
2000	12
2500	9
3000	8
3500	7
4000	6
4500	5
5000	5

*24 hr short term values & rounded to nearest decimal & for critical wind conditions

* Values would be lower on non-blasting days

Predicted incremental concentrations of SPM w/o control – $\mu\text{g}/\text{m}^3$

Name of villages	Distance from mine (km)	Back ground value	Incremental	Resultant
Bailampur	0.75	67.7	70	137.7
Rajur	0.75	62.6	70	132.6
Hirapur	2.35	52.7	10	62.7
Mangali	2.94	59.5	8	67.5
Ruikot	3.29	70.5	7.5	78
Pimprod	0.88	57.0	55	112
Khadki	3.52	126.4	6.5	132.9
Mukutban	5.0	140.9	4.8	145.7

- AAQ criteria for SPM $200 \mu\text{g}/\text{m}^3$ will not be violated beyond 300 m by any source and there is no receptor within this distance. There are no sensitive receptors within ML.
- Therefore adverse impact on air quality of residential areas is not expected.

- Mitigation methods have been included in the management plan. They include macadamized road, water sprinkling on roads & dumps, plantation, speed regulation etc.

B Noise:

- There are no noise sources. Vehicles, drilling machines, blasting during mining will cause noise. Management and control of noise levels by plantation, speed breakers on roads, muffled blasts has been proposed. PPE will be supplied to miners.

C Water

- Water from existing dug and bore wells is potable after disinfection. Caution for fluoride concentrations is warranted Physico chemical characteristics of water is given in **Annexure 2**.
- Diversion of drains is not proposed nor is it required
- Run off from the ML have been calculated by rational method. It would @ $0.014\text{m}^3 / \text{sec}$ from ML itself while from buffer they would be @ $6.14\text{m}^3/\text{sec}$.
- Jhari - Jamni tehsil in which the ML is included falls under "safe" category as per the CGWA authority. Depth of water is 190.55 bgl and of shallow water is 6.43-6.5 m bgl. Discharge is between 12.18 & 14.88 L/s
- De-watering will not be required since maximum pit depth will not be intercepted. De-watering during monsoon will be @ $1200\text{m}^3 / \text{d}$

D Land/soil

- Soil over ML is agricultural private land
- One crop per year is practiced due to paucity of sources
- Out crops of limestone/dolomite over ML are in patches
- Erosion potential of ML by the Universal soil loss equation is about 233.21 tonnes/year while that from the buffer zone can be 3.2 tonnes/ha/year
- Change in land use will take place from agriculture to mining.

E Socio economic

- There would not be any rehabilitation of village.
- Land losers will be 30
- Proposed compensation will be by direct negotiation with land owners, employment to the desirous and deserving candidates for appropriate jobs.
- Sponsorship to the deserving wards of land losers for ITI, higher education etc.
- Awareness and training in mining before employment is proposed.
- Health records of miners will be updated throughout the mining activity and health cover is proposed.

F Management and monitoring

- Risks associated with limestone mining have been identified and precautionary activities have been included in the management plan.
- Monitoring of environment is scheduled to be entrusted to an expert agency. It will monitor AAQ at eight stations, observe water levels in selected wells and maintain a record of both quality and quantity.
- Blasting parameters will be determined by an expert to optimize the procedure.

आम जनतेच्या सुनवाईसाठी पर्यावरण अहवाल

प्रॉजेक्ट	:	लाईम स्टोन /डोलोमाइट उत्खनन
प्रस्तावित क्षेत्र	:	बहिलामपुर
तहसिल	:	झरी जामनी
जिल्हा	:	यवतमाळ महाराष्ट्र

- प्रस्तावक -

जे.एल.डी. सिमेंट लि.
रेगस ,५ वा माला,
लॅंड मार्क. बिल्डिंग
वर्धा रोड,
रामदासपेठ
नागपूर-४४० ०१०

पर्यावरण विषयक अहवाल

JLD सिमेंट लिमिटेड (JLDCL) या कंपनीने २.५ MTPA क्षमतेचा एक सिमेंट प्लॅंट राखेचा वापर करून यवतमाळ जिल्ह्यामध्ये स्थापण्याचे ठरविले आहे. सिमेंट निर्मितीसाठी लागणारा लाईनस्टोन/डोलोमाईट यवतमाळ जिल्ह्यातील बहिलामपुर या गावाजवळील साठयातून उत्खनन करून पुरवण्याचे प्रस्तावित आहे. पहा आकृती १ यासाठी महाराष्ट्र सरकारने तत्त्वतः मान्यता दिली आहे.

प्रचलित पर्यावरणाविषयक नियमानुसार खालील कार्यवाही पूर्ण झाली आहे.

- १ माईनींग प्लॅनची IBM नागपुर कडून मान्यता.
- २ वन आणि पर्यावरण मंत्रालय, नवी दिल्ली यांचे कडून Expert Appraisal Committee (EAC) ची संदर्भसूची ;TOR) प्राप्त झाली आहे.

❖ TOR प्रमाणे JLDCL ने एक पर्यावरण विषयक अहवाल सर्वेक्षणानंतर तयार केला आहे.

सर्वेक्षण नागपुरच्या मे. Enviro Techno Consult ने ऑक्टोबर २००९ - जानेवारी २०१० या कालावधीत केले.

प्रस्तुत निवेदनामध्ये प्राथमिक पर्यावरण अहवालाचा ;Draft EIA Report) आढावा घेतला आहे.

➤ प्रोजेक्टविषयी माहिती

नाव	:	बहिलामपुर लाईनस्टोन/डोलोमाईट मायलिंग
क्षेत्र	:	७२.८८ हे.
स्थान	:	गाव - बहिलामपुर तहसिल - झरीजामनी जिल्हा - यवतमाळ
अक्षांश	:	१९°४६ '००" - १९°४६ '००" N
रेखांश	:	७८°५० '००" - ७८°५० '३०" E
टोपोशीट नंबर	:	५६/ P १३
समुद्रसपाटीपासुन उंची	:	२००.५ m

नजीकचे रेल्वेस्टेशन : मुकुटबन ६ km. दुर
जागेचे मालकी हक्क : स्थानिक नागरीक

भौगोलीक आणि खसरा नकाशा अनुक्रमे आकृती १ आणि २ मध्ये दर्शविले आहे.

- ❖ या क्षेत्रामध्ये लाईमस्टोनचे ३.५ आणि डोलोमाईटचे ६.६५ दशलक्ष टन साठे आहेत
- ❖ ओपनकास्ट उत्खनन पद्धतीने दरवर्षी ०.५ दशलक्ष टन माल काढण्याचे प्रस्तावित आहे.
- ❖ डंपर ,शॉवेल, ड्रिलींग, ब्लास्टींग यांचा उपयोग प्रस्तावित आहे. म्हणजेच उत्खनन यांत्रिक पद्धतीने होईल.

— बेंचची लांबी रुंदी आणि उंची अनुक्रमे ४० ,१०० आणि ५ मीटर राहिल. एक टन लाईमस्टोन काढल्यामुळे १.११ घनमीटर माती (OB)निघेल.

— प्रस्तावित लीझ मध्ये शेती कोरडवाहु पद्धतीने होत आहे.

— पाच वर्षानंतर ७८.८८ हे क्षेत्राचे खालीलप्रमाणे परिवर्तन होईल.

खाणीचा खडडा	:	७.३ ha.
लाईमस्टोन ढीग	:	०.७५ ha.
डोलोमाईट ढीग	:	११.०४ ha.
मातीचा ढीग	:	२.४ ha.
ऑफीस इत्यादी	:	०.७२ ha.
हरित क्षेत्र	:	०.२४ ha.

पर्यावरणीय माहिती

- सरासरी पर्जन्यमान : ९०० - ११०० mm / year
- सरासरी उष्णतामान : उन्हाळा ३० - ४०°C
हिवाळा १० - २८°C
- औद्योगिक क्षेत्र : जमिनीखाली २० मी.
- भुजल स्तर :
- पैनगंगा नदी : १ km दूर

- वनक्षेत्र : वायव्य दिशा - हिरापुर अंदाजे ३ km

उत्तर - रूईकोट ८ - १० km

दक्षिण - 2km नदीवर

— आढळणारे झाडे : पळस, कडूनिंब, तिन्सा, बीजा, आंबा, हळद, इत्यादी आणि झुडपे

— आढळणारे पक्षी आणि प्राणी : पक्षी कोकीळा, चिमणी, मैना, पोपट, सुतारपक्षी इत्यादी इतर घरगुती.

- वायु परीक्षण केंद्रे ८
- जलस्त्रोत परीक्षण केंद्रे १०
- ध्वनी परीक्षण केंद्रे ८
- जमीन परीक्षण केंद्रे २
- वायुप्रदुषण :-

— हया क्षेत्रामध्ये (१०km त्रिज्येमधील) प्रदुषणाचे स्त्रोत नाही त्या मुळे येथील हवेमध्ये SPM, RSPM, SO₂ आणि NO_x तसेच वायुप्रदुषण दाखविणारे घटक जास्त प्रमाणात नाही.

पहा परीशिष्ट १

— उत्खनन सुरु झाल्यानंतर ड्रिलिंग, ब्लास्टिंग करतांना, ट्रकमध्ये माल भरतांना आणि खाणीतील रस्त्यावरून ट्रक चालतांना धुळ उडू शकते. त्याचा अंदाज मान्यताप्राप्त सूत्रानुसार करण्यात आला. खाणीपासून ०.५ कि.मी अंतरापर्यंत धूळीचे प्रमाणे खालीलप्रमाणे राहिल.

Predicted GLCs of SPM - Area source

Area sources	GLCs $\mu\text{g}/\text{m}^3$
Distance in (m)	
100	944
200	1009
300	378
400	236
500	164

1000	45
1500	36
2000	12
2500	9
3000	8
3500	7
4000	6
4500	5
5000	5

24 hr short term values & rounded to nearest decimal & for critical wind conditions.

- यावरून असे सिद्ध होते की, खाणीपासून ४०० मीटर नंतरच्या क्षेत्रामध्ये वायूप्रदूषण संभाव्य नाही.
- तरीदेखील रस्त्यावर पाण्याचा शिडकाव, प्लांटेशन अर्थात वृक्षरोपण इत्यादी उपाययोजना तसेच चम म्हणजेच व्यैयक्तिक संरक्षण सुविधा देण्याचे प्रस्तावित आहे.

ध्वनीप्रदूषण

- ध्वनीची मात्रा ड्रिलिंग, ब्लास्टिंग आणि वाहनांमुळे वाढू शकते. म्हणून PPE तसेच ब्लास्टिंगच्या वेळेला योग्य ती खबरदारी आणि वृक्षारोपण करण्याचे ठरविले आहे.

जलप्रदूषण

- जलप्रदूषण क्षेत्रात आढळणाऱ्या विहिरी आणि हॅडपम्प यातील पाण्याची गुणवत्ता परीशिष्ट २ मध्ये दिलेली आहे. हे सर्व स्रोत पिण्यायोग्य पाणी देऊ शकतात. भुजलस्तर बरेच खाली आहे तसेच उत्खननामुळे भुजलाला धक्का लागणार नाही असे अपेक्षित आहे. पावसाळ्यामध्ये साचलेले पाणी काढावे लागेल. त्याचे प्रमाण २५-५० घनमीटर प्रती तास इतके असू शकते. ह्या क्षेत्रात जमीनीची धूप अंदाजे 3.2/year/ha. होऊ शकते. परीशिष्ट २
- सामाजिक, भूधारण, जैविक पर्यावरण इत्यादी क्षेत्रापासून ३ कि.मी. त्रिज्येच्या परिसरामधील जमीनीचा उपयोग खालीलप्रमाणे आहे.

उपयोग	क्षेत्र, km ²
वनक्षेत्र	७.११
ओलीत	०.६
अन्ड्रिगेटेड	१०.७८
कल्चरेबल पडित	१.६६ km ²
शेतीसाठी उपलब्ध नाही	३.११
गावठाण क्षेत्र	५.०
एकंदर	२८.२६ km ²

दहा किमी मध्ये ४३ गावे आहेत. ह्या परिसरात कोणत्याही ऐतिहासिक इमारती नाहीत. अंदाजे ३० भूधारकांची जमीन ७२.८८ हेक्टेअर मध्ये आहे.

प्रस्तावित

- या प्रकल्पासाठी कमीत कमी जमीन संपादित केली जाईल
- जमीनधारकांना त्यांच्याशी वार्तालाप करून मोबदला देण्याचे योजिले आहे.
- खाणकामातील व्यवसायांबद्दल आजुबाजुच्या गावातील युवकांना शिक्षण देण्याचा विचार आहे.
- आरोग्यविषयक शिक्षण ग्रामपंचायतीच्या सहयोगाने देता येईल.
- शंभर ते दिडशे लोकांना रोजगार मिळण्याची शक्यता आहे.

सारांश :

झरीजामनी परिसरामध्ये शेतीपासून उत्पन्न अनिश्चित आहे. प्रस्तावित प्रॉजेक्ट सुरू झाल्यास ३०-३५ जमीनधारकांना योग्य आणि मुबलक पैसा, त्यापासून मिळणारे व्याज आणि योग्य तो रोजगार मिळेल.

तेव्हा या प्रोजेक्टची योग्यता, अनुकूलता आणि त्याविषयी सर्वदृष्टीने विचार केला असतात ह्या क्षेत्रामध्ये हे प्रोजेक्ट पर्यावरणदृष्ट्या ग्राह्य असावे. सर्व लोकांचे सहकार्य प्रार्थनीय आहे.

A

N

N

E

X

U

R

E

S

AMBIENT AIR QUALITY

A1 - Village Bahilampur

Week	Date	SPM	RSPM	SO ₂	NO _x
		µg/m ³	µg/m ³	µg/m ³	µg/m ³
W1	01.10.2009	89.4	31.6	5.5	5.9
	05.10.2009	65.2	26.1	6.0	6.3
W2	08.10.2009	60.8	25.3	6.2	6.6
	12.10.2009	63.8	24.5	7.3	7.7
W3	15.10.2009	55.9	24.0	5.1	5.5
	19.10.2009	61.8	28.1	4.7	5.0
W4	22.10.2009	57.2	24.8	4.5	5.1
	26.10.2009	55.2	24.0	4.8	5.7
W5	29.10.2009	74.5	26.6	5.7	6.0
	02.11.2009	71.1	27.3	5.2	5.9
W6	05.11.2009	50.0	22.7	4.9	5.3
	09.11.2009	54.7	21.0	5.3	5.8
W7	12.11.2009	58.8	24.5	5.0	5.5
	16.11.2009	75.0	30.1	5.2	5.7
W8	19.11.2009	79.8	29.5	5.5	6.0
	23.11.2009	82.6	33.0	5.8	6.3
W9	26.11.2009	87.4	36.4	6.2	6.5
	30.11.2009	75.6	29.1	5.4	5.9
W10	03.12.2009	82.9	33.3	5.9	6.1
	07.12.2009	85.6	35.4	6.0	6.3
W11	10.12.2009	63.8	24.5	5.0	5.4
	14.12.2009	67.9	29.5	5.1	5.5
W12	17.12.2009	74.2	25.4	5.3	5.7
	21.12.2009	77.8	27.4	5.7	6.0
W13	24.12.2009	71.3	25.1	5.0	5.5
	28.12.2009	65.0	25.7	5.8	6.1
Minimum		50.0	21.0	4.5	5.0
Maximum		89.4	36.4	7.3	7.7
Average		69.5	27.5	5.5	5.9
98 percentile		88.4	35.9	6.8	7.2

A2 - Village Khogdur

Week	Date	SPM	RSPM	SO ₂	NO _x
		µg/m ³	µg/m ³	µg/m ³	µg/m ³
W1	01.10.2009	73.2	27.2	5.1	5.6
	05.10.2009	53.3	24.2	4.8	5.3
W2	08.10.2009	70.0	29.1	5.3	5.7
	12.10.2009	66.9	26.8	4.5	5.1
W3	15.10.2009	68.7	31.2	5.5	6.1
	19.10.2009	62.3	27.1	5.1	5.7
W4	22.10.2009	57.9	24.1	4.5	5.4
	26.10.2009	63.8	25.5	5.3	5.9
W5	29.10.2009	70.1	26.9	5.7	6.3
	02.11.2009	56.8	21.0	4.4	5.1
W6	05.11.2009	58.9	24.5	4.7	5.3
	09.11.2009	54.9	23.8	4.5	4.9
W7	12.11.2009	58.2	25.3	4.6	5.2
	16.11.2009	60.4	25.1	5.7	6.2
W8	19.11.2009	64.2	24.7	5.9	6.5
	23.11.2009	67.8	25.1	5.9	5.7
W9	26.11.2009	65.7	26.3	4.3	5.2
	30.11.2009	54.3	20.9	4.7	5.1
W10	03.12.2009	52.8	22.0	4.4	4.8
	07.12.2009	49.9	17.8	5.0	5.7
W11	10.12.2009	57.6	21.3	5.6	6.0
	14.12.2009	63.2	28.7	5.8	6.4
W12	17.12.2009	67.6	29.4	4.2	4.7
	21.12.2009	65.1	28.3	4.1	4.5
W13	24.12.2009	58.2	25.3	5.4	5.8
	28.12.2009	56.0	21.5	4.7	5.1
Minimum		49.9	17.8	4.1	4.5
Maximum		73.2	31.2	5.9	6.5
Average		61.5	25.1	5.0	5.5
98 percentile		71.7	30.3	5.9	6.5

A3 - Village Hirapur

Week	Date	SPM $\mu\text{g}/\text{m}^3$	RSPM $\mu\text{g}/\text{m}^3$	SO ₂ $\mu\text{g}/\text{m}^3$	NO _x $\mu\text{g}/\text{m}^3$
W1	01.10.2009	50.5	32.7	6.2	4.6
	05.10.2009	53.2	29.4	6.1	3.9
W2	08.10.2009	58.7	37.2	6.0	4.8
	12.10.2009	47.9	28.7	6.1	4.9
W3	15.10.2009	59.0	39.5	6.0	3.2
	19.10.2009	52.7	38.6	6.1	3.8
W4	22.10.2009	49.9	24.9	6.2	4.4
	26.10.2009	58.4	32.4	6.3	4.9
W5	29.10.2009	58.6	40.8	6.0	3.7
	02.11.2009	49.4	32.7	6.1	3.2
W6	05.11.2009	58.2	40.0	6.2	3.6
	09.11.2009	50.4	26.2	6.2	3.0
W7	12.11.2009	46.6	30.2	6.1	4.0
	16.11.2009	49.2	29.8	6.2	4.4
W8	19.11.2009	54.6	32.4	6.3	4.5
	23.11.2009	50.8	33.4	6.1	3.8
W9	26.11.2009	48.2	24.1	6.2	4.8
	30.11.2009	52.7	23.7	6.1	4.2
W10	03.12.2009	59.9	40.0	6.1	4.1
	07.12.2009	57.3	32.0	6.1	3.9
W11	10.12.2009	42.2	24.5	6.2	4.8
	14.12.2009	48.6	30.6	6.2	4.9
W12	17.12.2009	59.6	38.6	6.1	4.2
	21.12.2009	51.4	28.8	6.2	4.0
W13	24.12.2009	59.2	28.2	6.2	4.6
	28.12.2009	53.7	30.2	6.0	4.9
Minimum		42.2	23.7	6	3
Maximum		59.9	40.8	6.3	4.9
Average		53.1	31.9	6.1	4.2
98 percentile		59.8	40.4	6.3	4.9

A4 - Village Mangli

Week	Date	SPM $\mu\text{g}/\text{m}^3$	RSPM $\mu\text{g}/\text{m}^3$	SO ₂ $\mu\text{g}/\text{m}^3$	NO _x $\mu\text{g}/\text{m}^3$
W1	02.10.2009	56.4	21.7	6.2	6.8
	06.10.2009	49.7	20.7	5.8	6.5
W2	09.10.2009	61.6	22.0	5.7	6.1
	13.10.2009	65.4	26.2	6.4	6.9
W3	16.10.2009	63.9	26.6	6.8	7.1
	20.10.2009	57.2	24.8	5.9	6.8
W4	23.10.2009	50.3	20.1	5.5	6.3
	27.10.2009	63.1	23.3	6.7	7.0
W5	30.10.2009	64.8	28.2	6.5	6.9
	03.11.2009	73.5	26.2	7.9	7.8
W6	06.11.2009	62.8	24.1	6.3	6.9
	10.11.2009	59.3	24.7	5.7	6.4
W7	13.11.2009	67.2	24.8	7.1	7.3
	17.11.2009	48.4	20.2	5.9	6.7
W8	20.11.2009	57.6	22.2	6.2	6.9
	24.11.2009	52.8	22.0	6.7	7.4
W9	27.11.2009	55.9	22.4	5.5	5.8
	01.12.2009	60.7	23.3	5.9	6.2
W10	04.12.2009	65.4	25.2	6.3	6.9
	08.12.2009	49.3	20.5	6.7	7.2
W11	11.12.2009	56.2	21.6	7.0	7.5
	15.12.2009	64.8	27.0	6.9	7.4
W12	18.12.2009	68.0	27.2	6.4	6.8
	22.12.2009	70.9	27.3	6.5	6.9
W13	25.12.2009	62.7	23.2	6.8	7.2
	29.12.2009	58.2	21.6	6.1	6.5
Minimum		48.4	20.1	5.5	5.8
Maximum		73.5	28.2	7.9	7.8
Average		60.2	23.7	6.4	6.9
98 percentile		72.2	27.8	7.5	7.7

A5 - Village Kobar

Week	Date	SPM $\mu\text{g}/\text{m}^3$	RSPM $\mu\text{g}/\text{m}^3$	SO ₂ $\mu\text{g}/\text{m}^3$	NO _x $\mu\text{g}/\text{m}^3$
W1	02.10.2009	67.8	28.2	5.1	5.6
	06.10.2009	65.4	27.2	5.3	5.7
W2	09.10.2009	80.2	38.2	4.9	5.2
	13.10.2009	72.8	31.6	4.6	5.1
W3	16.10.2009	63.7	27.6	4.7	5.0
	20.10.2009	70.1	29.2	5.2	5.6
W4	23.10.2009	62.0	29.5	5.2	5.7
	27.10.2009	67.8	27.1	4.9	5.2
W5	30.10.2009	88.2	29.4	5.7	6.0
	03.11.2009	62.3	23.9	4.2	4.9
W6	06.11.2009	58.9	25.6	4.8	5.5
	10.11.2009	65.3	23.3	4.6	5.0
W7	13.11.2009	68.4	29.7	5.1	5.8
	17.11.2009	69.5	30.5	5.7	6.0
W8	20.11.2009	70.5	31.7	6.9	6.3
	24.11.2009	74.9	33.2	6.2	6.5
W9	27.11.2009	78.4	35.8	4.9	5.2
	01.12.2009	80.9	36.0	5.3	5.7
W10	04.12.2009	76.3	34.9	5.5	5.9
	08.12.2009	85.8	36.5	5.0	5.3
W11	11.12.2009	88.4	37.0	4.6	4.9
	15.12.2009	90.9	40.9	4.8	5.0
W12	18.12.2009	87.4	38.6	5.3	5.5
	22.12.2009	83.1	36.8	5.2	5.7
W13	25.12.2009	77.3	35.1	5.7	5.9
	29.12.2009	75.6	34.3	5.1	5.4
Minimum		58.9	23.3	4.2	4.9
Maximum		90.9	40.9	6.9	6.5
Average		74.3	32.0	5.2	5.5
98 percentile		89.7	39.8	6.6	6.4

A6 - Village Pimprod

Week	Date	SPM $\mu\text{g}/\text{m}^3$	RSPM $\mu\text{g}/\text{m}^3$	SO ₂ $\mu\text{g}/\text{m}^3$	NO _x $\mu\text{g}/\text{m}^3$
W1	02.10.2009	56.4	38.7	6.1	3.8
	06.10.2009	62.5	39.4	6.1	4.1
W2	09.10.2009	58.7	37.2	6.1	3.5
	13.10.2009	61.1	38.7	6.2	4.6
W3	16.10.2009	56.8	37.5	6.2	4.8
	20.10.2009	62.2	40.6	6.1	3.9
W4	23.10.2009	61.4	34.9	6.3	4.9
	27.10.2009	58.4	33.5	6.2	4.4
W5	30.10.2009	52.9	37.8	6.1	4.1
	03.11.2009	58.4	28.7	6.2	3.9
W6	06.11.2009	62.0	40.0	6.2	3.5
	10.11.2009	59.3	28.9	6.1	3.6
W7	13.11.2009	54.6	36.9	6.1	4.2
	17.11.2009	56.7	31.8	6.2	4.4
W8	20.11.2009	53.2	31.7	6.1	3.8
	24.11.2009	50.5	33.1	6.3	4.5
W9	27.11.2009	45.4	22.1	6.1	3.9
	01.12.2009	55.6	27.8	6.2	4.6
W10	04.12.2009	62.5	40.2	6.1	3.7
	08.12.2009	57.3	31.7	6.1	4.1
W11	11.12.2009	41.8	24.3	6.2	4.8
	15.12.2009	58.2	32.5	6.2	4.9
W12	18.12.2009	59.6	38.3	6.1	3.9
	22.12.2009	62.0	38.2	6.2	3.6
W13	25.12.2009	53.7	25.2	6.3	4.9
	29.12.2009	59.4	32.7	6.2	4.3
Minimum		41.8	22.1	6.1	3.5
Maximum		62.5	40.6	6.3	4.9
Average		56.9	33.9	6.2	4.2
98 percentile		62.5	40.4	6.3	4.9

A7 – Village Govindpur

Week	Date	SPM $\mu\text{g}/\text{m}^3$	RSPM $\mu\text{g}/\text{m}^3$	SO ₂ $\mu\text{g}/\text{m}^3$	NO _x $\mu\text{g}/\text{m}^3$
W1	03.10.2009	126.2	61.3	6.0	3.7
	07.10.2009	131.5	64.6	6.1	3.9
W2	10.10.2009	128.4	61.8	6.0	3.5
	14.10.2009	122.7	60.2	6.0	3.6
W3	17.10.2009	129.3	62.5	6.1	4.1
	21.10.2009	125.9	62.7	6.0	3.8
W4	24.10.2009	118.4	60.2	6.0	3.4
	28.10.2009	129.8	64.1	6.1	3.7
W5	31.10.2009	123.2	62.5	6.0	3.5
	04.11.2009	134.7	65.4	6.2	4.4
W6	07.11.2009	127.6	64.2	6.0	3.8
	11.11.2009	121.3	61.6	6.0	3.2
W7	14.11.2009	129.4	63.7	6.1	3.9
	18.11.2009	132.5	65.2	6.1	3.8
W8	21.11.2009	119.7	61.6	6.0	3.6
	25.11.2009	124.8	62.4	6.0	3.4
W9	28.11.2009	128.1	62.3	6.0	3.5
	02.12.2009	121.5	61.7	6.2	4.2
W10	05.12.2009	129.4	64.2	6.0	4.1
	09.12.2009	134.9	66.8	6.4	4.6
W11	12.12.2009	131.3	64.1	6.2	3.9
	16.12.2009	127.6	62.5	6.1	4.2
W12	19.12.2009	135.2	65.4	6.0	3.8
	23.12.2009	122.8	61.6	6.0	3.5
W13	26.12.2009	128.4	62.7	6.1	3.7
	30.12.2009	131.3	64.5	6.2	4.4
Minimum		118.4	60.2	6	3.2
Maximum		135.2	66.8	6.4	4.6
Average		127.5	63.1	6.1	3.8
98 Percentile		135.1	66.1	6.3	4.5

A8 - Village Mukutban

Week	Date	SPM $\mu\text{g}/\text{m}^3$	RPM $\mu\text{g}/\text{m}^3$	SO ₂ $\mu\text{g}/\text{m}^3$	NO _x $\mu\text{g}/\text{m}^3$
W1	03.10.2009	138.3	64.7	6.7	4.8
	07.10.2009	144.5	66.4	6.9	5.1
W2	10.10.2009	132.4	61.5	6.5	4.6
	14.10.2009	139.7	62.2	6.8	4.5
W3	17.10.2009	146.6	65.8	7.1	5.4
	21.10.2009	151.8	68.2	7.5	5.8
W4	24.10.2009	134.2	62.4	6.4	4.3
	28.10.2009	146.5	66.7	6.8	4.7
W5	31.10.2009	129.6	61.4	6.5	4.4
	04.11.2009	144.2	61.5	6.8	5.1
W6	07.11.2009	152.7	68.3	7.2	5.3
	11.11.2009	136.8	63.2	6.4	4.7
W7	14.11.2009	141.5	65.6	6.8	4.5
	18.11.2009	146.9	66.4	7.1	4.2
W8	21.11.2009	134.5	62.3	7.5	4.6
	25.11.2009	138.2	63.7	6.9	4.1
W9	28.11.2009	142.7	65.5	6.8	4.5
	02.12.2009	135.1	62.8	7.2	5.3
W10	05.12.2009	148.7	64.2	6.5	4.2
	09.12.2009	152.6	66.9	7.3	4.7
W11	12.12.2009	134.5	62.3	8.1	5.2
	16.12.2009	141.8	64.4	6.8	4.4
W12	19.12.2009	147.5	65.6	7.3	4.9
	23.12.2009	135.2	62.5	7.2	4.5
W13	26.12.2009	142.7	64.2	6.9	4.2
	30.12.2009	146.4	65.1	7.4	4.6
Minimum		129.6	61.4	6.4	4.1
Maximum		152.7	68.3	8.1	5.8
Average		141.8	64.4	7.0	4.7
98 Percentile		152.7	68.3	7.8	5.6

WATER CHARACTERISTICS

Sr. No.	Parameters	Units	Sampling stations				
			W1 Pimprod Hand pump	W2 Bahilampur tube well	W3 Penganga River upstream	W4 Penganga River downstream	W5 Rajur hand pump
1.	Temperature	°C	25.0	24.0	23.0	23.0	24.0
2.	pH		7.3	7.4	8.3	6.8	8.6
3.	Conductivity	µS	1380.0	998.0	552.0	1475.0	501.0
4.	Total dissolved solids	mg/L	940.0	673.0	374.0	999.0	340.0
5.	T. Alkalinity	mg/L	296.0	288.0	158.0	386.0	144.0
6.	T. hardness	mg/L	602.0	342.0	138.0	552.0	98.0
7.	Ca ⁺⁺	mg/L	188.0	70.0	23.0	143.0	11.0
8.	Mg ⁺⁺	mg/L	32.0	40.0	19.0	47.0	17.0
9.	Chlorides	mg/L	113.0	15.0	18.0	87.0	14.0
10.	Sulphates	mg/L	119.0	52.0	14.0	62.0	14.0
11.	Iron as Fe	mg/L	NIL	NIL	NIL	NIL	NIL
12.	Ammonia	mg/L	ABSENT	ABSENT	ABSENT	TRACES	ABSENT
13.	Phosphate	mg/L	0.69	0.74	0.89	0.62	0.80
14.	Fluoride	mg/L	0.35	0.16	0.32	0.11	0.32
15.	Coliforms	MPN/100 ml	0	0	210	240	0

N.B. : Cu, Cd, Hg, Cr, Se, Pb - Absent.

WATER CHARACTERISTICS

Sr. No.	Parameters	Units	Sampling stations				
			W6 Hirapur bore well	W7 Mangli bore well	W8 Ruikot hand pump	W9 Khadki hand pump	W10 Mukutban bore well
1.	Temperature	°C	23.0	24.0	25.0	24.0	23.0
2.	pH		7.4	7.5	8.3	8.2	8.4
3.	Conductivity	µS	1012.0	1232.0	1043.0	1230.0	1485.0
4.	Total dissolved solids	mg/L	698.0	841.0	710.0	837.0	1015.0
5.	T. Alkalinity	mg/L	280.0	250.0	320.0	386.0	322.0
6.	T. hardness	mg/L	400.0	554.0	218.0	426.0	544.0
7.	Ca ⁺⁺	mg/L	82.0	96.0	43.0	100.0	74.0
8.	Mg ⁺⁺	mg/L	47.0	75.0	26.0	42.0	86.0
9.	Chlorides	mg/L	56.0	145.0	21.0	29.0	158.0
10.	Sulphates	mg/L	36.0	65.0	10.0	9.0	100.0
11.	Iron as Fe	mg/L	NIL	NIL	NIL	NIL	NIL
12.	Ammonia	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
13.	Phosphate	mg/L	0.61	0.69	0.98	0.58	0.83
14.	Fluoride	mg/L	0.11	0.16	1.90	0.66	0.95
15.	Coliforms	MPN/100 ml	0	0	0	0	0

N.B. : Cu, Cd, Hg, Cr, Se, Pb - Absent.

APPLICATION FOR CONSENT/AUTHORISATION

Date : MARCH 18, 2010

From
JLD CEMENT LTD.
REGUS, 5TH FLOOR
LANDMARK BLDG.
RAMDASPETH, NAGPUR 440 010

To
THE REGIONAL OFFICER
MAHARASHTRA POLLUTION CONTROL BOARD
MAHAVIR TOWER, SECOND FLOOR
MUL ROAD
CHANDRAPUR 442 401

Sir,

We hereby apply for “

Consent to Establish/Operate/Renewal of consent under section 25 and 26 of the Water (Prevention & Control of Pollution) Act, 1974 as amended.

Consent to Establish/Operate/Renewal of consent under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981, as amended.

Authorisation/renewal of authorisation under rule 5 of the Hazardous Wastes (Management and Handling) Rules, 1989, as amended in January 2000 in connection with my/our existing/proposed/ altered additional manufacturing/processing activity from the premises as per the details given below :

Part A : General		
1.	.	Name designation, office address with Telephone/Fax numbers e-mail of the Applicant Occupier/Industry/Institution/Local body
		A.K. SRIVASTAVA AUTHORIZED SIGNATORY JLD CEMENT LTD. REGUS, 5 TH FLOOR, LANDMARK BLDG. RAMDASPETH, NAGPUR 10 PH : 0712-6641400 FAX : 0712-6639416
2.	a.	Name and location of the industrial unit/premises for which the application is made (Give revenue Survey Number/Plot number name to Taluka and District, also telephone and fax number)
	b.	Details of planning permission obtained from the local body/town and country planning authority/Metropolitan development authority/ designated Authority. authority.
		LIMESTONE/DOLOMITE MINE VILLAGE : BAHILAMPUR TALUKA : JHARI, JAMNI DISTT. YEVATMAL PLEASE SEE ANNEXURE 1 NOC FROM GRAM PANCHAYAT , BAHILAMPUR PLEASE SEE ANNEXURE 2

2.	c.	Name of the local body under whose jurisdiction the unit is located and name of the licence issuing authority.	GRAM PANCHAYAT , BAHILAMPUR
3.		Name, addresses with Telephone and Fax Number of Managing Director/Managing Partner and officer responsible for matters connected with pollution control and/or Hazardous waste disposal.	A.K. SRIVASTAVA AUTHORIZED SIGNATORY JLD CEMENT LTD. REGUS, 5 TH FLOOR, LANDMARK BLDG. RAMDASPETH, NAGPUR 10 PH : 0712-6641400 FAX : 0712-6639416
4.	a.	Are you registered Industrial unit ?	YES
	b.	If yes, give the number and date of registration	PLEASE SEE ANNEXURE 3
5.		Gross capital investment of the unit without depreciation till the date of application (Cost of building land plant and machinery). (To be supported by an affidavit/undertaking on Rs. 20/- stamp paper annual report or certificate from a Chartered Accountant for proposed unit(s), give estimated figure).	RS. 13.84 CRORES CERTIFICATE OF CA IS ENCLOSED AS ANNEXURE 4
6.		If the site is located near sea-shore/river bank/ other water bodies/highway, indicate the crow fly distance and the name of the water body, if any.	THE ML AREA IS LOCATED AT A DISTANCE OF ABOUT 1 KM FROM RIVER PENGANGA
7.		Does the location satisfy the requirements under relevant Central/State Govt. Notification such as Coastal regulation Zone. Notification on Ecologically fragile area. Industrial Location policy etc. if so, give details.	THERE IS NEITHER A COAST NOR AN ECOLOGICAL FRAGILE AREA. THE ML AREA HAS BEEN GRANTED TO JLDCL BY GOVT. OF MAH.
8.		If the site is situated in notified industrial estate.	NO.
	a.	Whether effluent collection, treatment and disposal system has been provided by the authority.	NOT APPLICABLE
	b.	Will the applicant utilise the system, if provided.	NOT APPLICABLE
	c.	If not provided, details of proposed arrangement.	THERE WILL NOT BE ANY TRADE EFFLUENT. ONLY MINE DEWATERING MAY BE REQUIRED DURING MONSOON
.	a.	Total plot area	72.88 ha
	b.	Built up area and	0.72 ha + 2.3 ha FOR DUMPS

.	c.	Area available for the use of treated sewage/trade effluent for gardening/irrigation	THERE WOULD NOT BE ANY TRADE EFFLUENT. SANITARY WASTE WOULD BE TREATED IN SOAK PIT.
10.		Month and year of commissioning of the Unit	MINING WILL COMMENCE AFTER EXECUTION OF MINE LEASE DEED WITH GOVT. OF MAHARASHTRA
11.		Number of workers and office staff Hrs. of shifts Weekly off 8 hrly x 1 shifts per day Yes	110
12.	a.	Do you have a residential colony within the premises in respect of which the present application is made?	NO
	b.	If yes, please state population staying.	NOT APPLICABLE
	c.	Indicate its location and distance with reference to plant site.	NOT APPLICABLE
13.		List of products and by-products manufactured in tonnes/month, kl/month or numbers/month (Give figure corresponding to maximum installed production capacity)	LIMESTONE / DOLOMITE @ 41667 TPM.
14.		List of raw materials and process chemicals with annual consumption corresponding to above stated production figures, in tonnes/ month or kl/month or numbers/month	NIL
15.		Description of process of manufacture for each of the products showing input, output, quality and quantity of solid, liquid and gaseous wastes, if any from each unit process. (To be supported by flow sheet and/or material balance).	PLEASE SEE ANNEXURE 5.
16.		Part B : Wastewater aspects	
		Water consumption for different uses (m ³ /day)	30
	i.	Industrial cooling, spraying in mine pits or boiler feeds propultion of hydro generation sets	20
	ii.	Domestic purpose	5
	iii.	Processing whereby water gets polluted and the pollutants are easily biodegradable and are toxic	--
	iv.	Processing whereby water gets polluted and the pollutants are not easily bio-degradable and are toxic	--
	v.	Others such as agriculture, gardening etc. (specify)	5 GARDENING

17.		Source of water supply. Name of authority granting permission if applicable and quantity permitted	WELL LOCATED IN ML AREA
18.		Quantity of waste water (effluent) generated (ml/day)	
	i.	Domestic 4.0	vi. Cooling water blow down --
	ii.	Industrial NIL	vii. DM plant/softening --
	iii.	Process NIL	plant washings
	iv.	Washings --	viii. Tail raise discharge from --
	v.	Boiler blow down --	hydro power station
19.		Water budget calculations accounting for difference between water consumption and effluent generated.	PLEASE SEE ANNEXURE 6
20		Present treatment of sewage/canteen effluent (Give sizes/ capacities of treatment units).	SEPTIC TANK FOLLOWED BY SOAK PIT
21		Present treatment of trade effluent (Give sizes/ capacities of treatment units). (A schematic diagram of the treatment scheme with inlet/outlet characteristics of each unit operation/process is to be provided. Include details of residue management system (sludges))	NO TRADE EFFLUENT
22.	a.	Are sewage and trade effluents mixed together?	NO
	b.	If yes, state at which stage - Whether before, intermittently or after treatment.	NOT APPLICABLE
23.		Capacity of treated effluent sump, Guard Pond if any.	NOT APPLICABLE
24.		Mode of disposal of treated effluents, with respective quantity, m ³ /day	NOT APPLICABLE
	i.	into stream/river (name of river)	--
	ii.	into creek/ estuary (name of creek/estuary)	--
	iii.	into sea	--
	iv.	into drain/sewer (owner of sewer)	--
	v.	On land for irrigation on owned land/ lease land. Specify cropped area (To be supported by relevant documents)	--
	vi.	Quantity of treated effluent reused/ recycled Provide a location map of disposal arrangement indicating the outlet(s) for Sampling	NOT APPLICABLE
25.	a.	Quality of untreated/treated effluents (Specify pH and concentration of SS, BOD COD and specific pollutants relevant to the industry, TDS to be reported for disposal on land of into stream/river)	NOT APPLICABLE

29		Quality of treated flue gas emissions and process emissions. (Specify concentration of criteria pollutants and industry/process-specific pollutants stack-wise. Enclose a copy of the latest report of analysis from the approved laboratory by State Board/Central Board/ Central Government in the Ministry of Environment and Forests. For proposed units furnish the expected characteristics of the emission	NOT APPLICABLE					
		Part D : Hazardous Waste Aspects	Method of					
30		Information about Hazardous Waste Management as defined in the Hazardous Waste (Management and handling) Rules, 1989, as amended in January 2000. Type/ category of waste as per Schedule –I Schedule –II Qty. Cat. No. Type Class Type Kg/day NOT APPLICABLE Please refer copy of schedule-I & II attached	Collection	Reception	Storage	Transport	Treatment	Disposal
31.	i. ii. iii. iv.	Details about use of hazardous waste Name of hazardous waste/spent chemical Quantity used/month Party from whom purchased Party to whom sold	NOT APPLICABLE					
32	a. b.	Details about technical capability and equipments available with the applicant to handle hazardous Waste. Characteristics of the hazardous waste(s). Specify concentration of relevant pollutants. Enclose a copy of the latest report of analysis from the laboratory approved by State Board/Central Board/Central Government in the Ministry of Environment and Forests). For proposed units furnish expected characteristics	NOT APPLICABLE NOT APPLICABLE					

33		Copy of format of manifest/record keeping practised by the applicant.	NOT APPLICABLE
34.		Details of self monitoring (source and environment system)	NOT APPLICABLE
35		Are you using any imported hazardous waste. If yes give details.	NO
36		Copy of actual user Registration/certificate obtained from Ministry of Environment & Forest, Govt. of India for use of hazardous waste.	NOT APPLICABLE
37		Present treatment of hazardous waste, if any (give type and capacity of treatment units)	NOT APPLICABLE
38		Quantity of hazardous waste disposed Within the factory Outside the factory (Specify location and enclose copies of agreement) Through sale (Enclose documentary proof and copies of agreement) Outside State/Union Territory, if yes particulars of (i) & (iii) above Other (specify)	NOT APPLICABLE
39	Part –E : Additional Information		
	a.	Do you have any proposals to upgrade the present system for treatment and disposal of effluent/ emissions and/or hazardous waste	NOT APPLICABLE
	b.	If yes, give the details with time-schedule for the implementation and approximate expenditure to be incurred on it.	NOT APPLICABLE
40		Capital and recurring (O&M) expenditure on various aspects of environment protection such as effluent, emission, hazardous waste, solid waste, tree plantation, monitoring, data acquisition etc. (give figures separately for items implemented/to be implemented).	APPROX. RS. 5-10 LAKHS
41		To which of the pollution control equipment, separate meters for recording consumption of electric energy are installed?	NOT APPLICABLE
42		Which of the pollution control items are connected to D.G. set (captive power source) to ensue their running in the event of normal power failure?	NOT APPLICABLE

43		Nature, quantity and method of disposal of non-hazardous solid waste generated separately from the process of manufacture and waste treatment. (Give details of area/capacity available in applicant's land)	TOP SOIL 110 m ³ /d ONLY DURING FIRST YEAR AND WILL BE USED FOR PLANTATION. OB/REJECTS. 13 m ³ /d. IT WILL BE STORED AND USED FOR BACK FILLING
44	i. ii. iii. iv. v. vi. vii. .	Hazardous chemicals – Give details of Chemicals and quantities handled and stored. Is the unit a Major Accident Hazard Unit as per Mfg. Storage Import Hazards Chemicals Rules? Is the unit an isolated storage as defined under the MSIHC Rules ? Indicates status of compliance of Rules 5, 7, 10, 11, 12, 13 & 18 of the MSIHC Rules. Has approval of sites has been obtained from the concerned authority ? Has the unit prepared an off-site Emergency Plan? Is it updated. Has information on imports of chemicals been provided to the concerned authority ? Does the unit possess a policy under the PLI Act?	NOT APPLICABLE NO NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE
45		Brief details of tree plantation/ green belt development within applicant's premises.	50 TREES PER YEAR WILL BE PLANTED IN OVER 2400 SQ.M ALONG THE BOUNDRY
46		Information of schemes for waste minimisation, resource recovery and recycling - implemented and to be implemented, separately.	NOT APPLICABLE
47	a. b. c.	The applicant shall indicate whether industry comes under Public Hearing. If so the relevant documents such as EIA, EMP, Risk Analysis etc. shall be submitted, if so the relevant documents enclosed shall be indicated accordingly. Any other additional information that the applicant desires to give. Whether Environmental Statement submitted ? If submitted give date of submission.	THE INDUSTRY COMES UNDER PUBLIC HEARING. THE FOLLOWING DOCUMENTS ARE ENCLOSED. TOR OBTAINED FROM MoEF DRAFT EIA/EMP DOCUMENT EXECUTIVE SUMMARY OF THE PROJECT IN ENGLISH & MARATHI NOT APPLICABLE

48. I/We further declare that the information furnished above is correct to the best of my/our knowledge.
49. I/We hereby submit that in case of any change from what is stated in this application in respect of raw materials, products, process of manufacture and treatment and/or disposal of effluent, emissions, hazardous wastes etc. in quality and quantity; a fresh application for Consent/Authorisation shall be made and until the grant of fresh Consent/Authorisation no change shall be made.
50. I/We undertake to furnish any other information within one month of its being called by the Board/ Committee.
51. I/We enclose herewith a Demand Draft for Rs. (Rupees) drawn in favour of Maharashtra Pollution Control Board/ Committee as the fee for consent/authorisation for a period upto.

Yours faithfully,

Signature

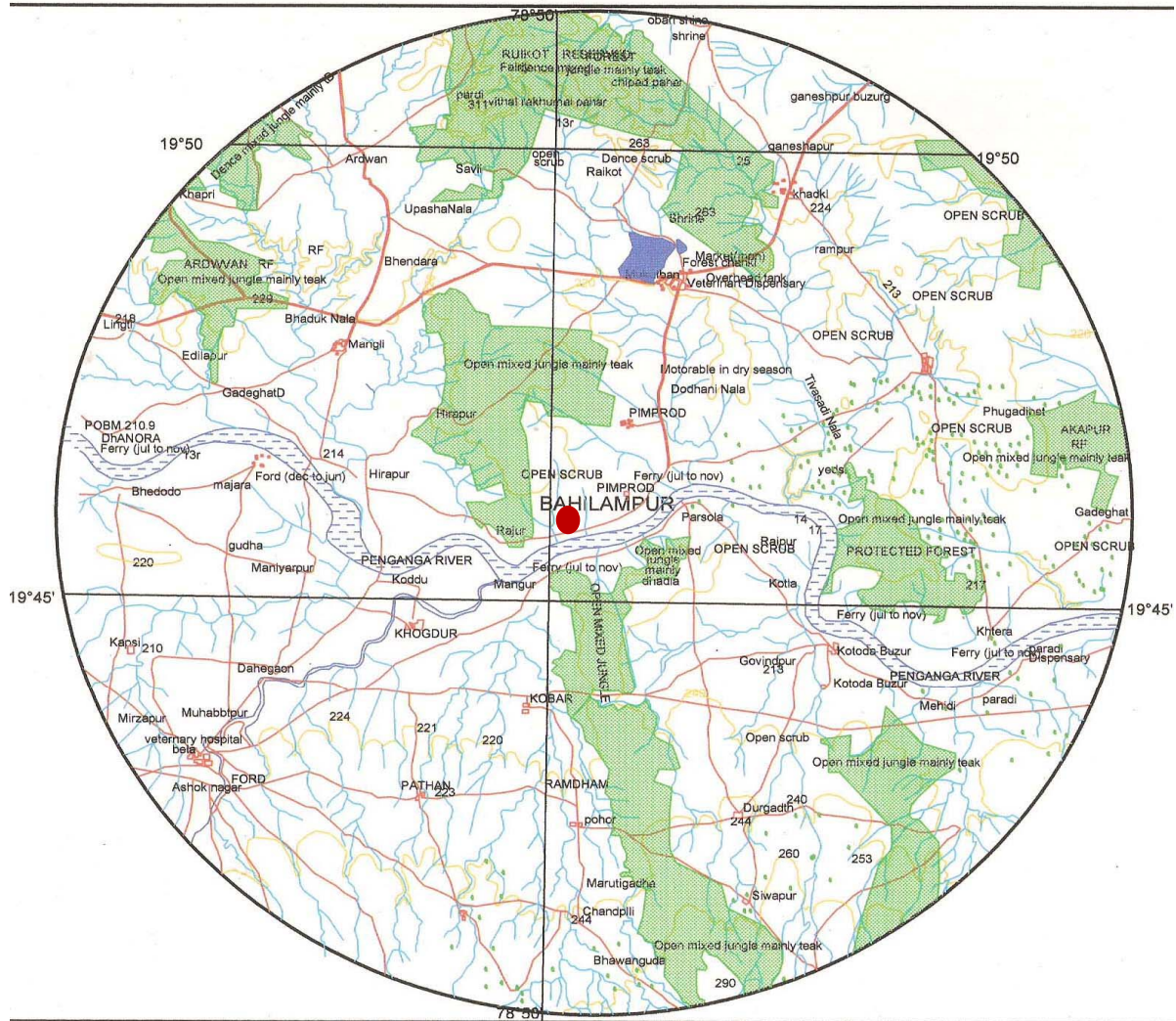
Name

Designation

Accomplishments :

1. Index/Site Plan showing the surrounding such as village, town, river, sea shore, transport routes etc.
2. Detailed layout plan of the factory premises showing structures, water supply line, storm drain, sewers for domestic effluents, for trade effluents, location of effluent treatment and its disposal and any other useful information, drawing, tables etc.
3. Manufacturing process of each product with flow diagram and material balance.
4. Latest Joint Vigilance sample analysis report.
5. Details of air pollution control devices provided or proposed to be provided.
6. Ambient air quality report, if available
7. Small Scale Industry's Certificate/No Objection Certificate from Directorate of Industries, Govt. of Maharashtra/D.G.T.D. License.
8. Xerox copy of consent granted under Air & Water (P&C.P.) Acts.
9. TLV of raw materials.
10. Gross block investment certificate from C.A/audited balance sheet.
11. Process flow sheet
12. Chemical reactions involved in each process.
13. NOC from local body for proposed industry.
14. Water budget calculations.

ANNEXURE 1



LOCATION MAP

The khasra wise details of the land area are given below:

Khasra No.	Area (Ha)	Khasra No.	Area (Ha)
43	02.31	63	01.66
44	02.31	64	02.68
45	01.21	65	01.50
47	02.17	66	01.60
48	01.95	67	04.96
49	01.09	68	02.28
			01.28
50	01.42	69	01.98
			01.62
51	01.62	70	03.36
56	02.02	71	03.35
57	02.43	72	03.35
58	01.21	73	03.47
59	01.26	74	04.90
60	01.51	75	02.92
61	01.54	76	04.86
62	01.42	78	01.64
Sub-Total	25.47	Sub-Total	47.41
Grand Total area		72.88 Hectares	

गटग्राम पंचायत पिंप्रड (बैलमपुर)

पं.स. झरी - जामणी (जि.यवतमाळ)

सरपंच
श्री राजेंद्र विश्वनाथ पन्नामे

उपसरपंच
श्री दादाजी गंगाराम कुसराम

सचिव
श्री वि.ए. तोडासे



दि.

जे. एलडी सिमेंट
लीमिटेड नागपुर

विषय - मीजा वेलगाडर येथे - चूणखडक व डोलोमाईट खाण
कार्याकरिता मे.जे.एलडी लिमिटेड यांना ताबडगा
प्राप्तपत्र दिल्या बाबत.

सहस्र - आपले दिनांक 29/12/2009 चे पत्रानुसार
उपरोक्त संदर्भात विषयाच्या अनुषंगाने आपला
कठिणता येथे की, आपले दिनांक 29 डिसेंबर 2009
रेकॉर्ड पत्रावर शा.स. मासिक सभा दि 29/12/09
चे आवृष्टी (अन्वये विचार विनिर्दिष्ट करून
ह्यावर परीक्षा करण्यात आला आहे

करिता आपला प्रतिसाद आदर,

सहस्र -
वरगावची प्रत.

दि. 29/12/09

सरपंच
गटग्राम पंचायत पिंप्रड
झ. झरी

सचिव
गटग्राम पंचायत पिंप्रड
पं.स. झरी जामणी

संबंधीचा तपशिल

ग्रामपंचायतीचे

ता.पं.स. अंशु - आनंद जिल्हा यवत

(मुद्रण अक्षरछाया)
(विभांती निर्धर्म हो सोसा ड४/७, पन्ना १४५, १०)

[illegible]

भारत सरकार-कॉर्पोरेट कार्य मंत्रालय
कम्पनी रजिस्ट्रार कार्यालय, पश्चिम बंगाल

नाम परिवर्तन के पश्चात नया निगमन प्रमाण-पत्र

कॉर्पोरेट पहचान संख्या : U51109WB1994PLC064781

मैसर्स SAPIENCE COMMODITIES LIMITED

के मामले में, मैं एतद्वारा सत्यापित करता हूँ कि मैसर्स
SAPIENCE COMMODITIES LIMITED

जो मूल रूप में दिनांक उनतीस अगस्त उन्नीस सौ चौरागवे को कम्पनी अधिनियम, 1956 (1956 का 1) के अंतर्गत मैसर्स
SAPIENCE COMMODITIES Ltd

के रूप में निगमित की गई थी, ने कम्पनी अधिनियम, 1956 की धारा 21 की शर्तों के अनुसार विधिवत आवश्यक विनिश्चय पारित करके तथा
लिखित रूप में यह सूचित करके की उसे भारत का अनुमोदन, कम्पनी अधिनियम, 1956 की धारा 21 के साथ पठित, भारत सरकार, कम्पनी कार्य
विभाग, नई दिल्ली की अधिसूचना सं. सा. का. नि 507 (अ) दिनांक 24.6.1985 एस.आर.एन. A26683565 दिनांक 30/11/2007 के द्वारा
प्राप्त हो गया है, उक्त कम्पनी का नाम आज परिवर्तित रूप में मैसर्स
JLD CEMENT LIMITED

हो गया है और यह प्रमाण-पत्र, कथित अधिनियम की धारा 23(1) के अनुसरण में जारी किया जाता है।

यह प्रमाण-पत्र, मेरे हस्ताक्षर द्वारा कोलकाता में आज दिनांक तीस नवम्बर दो हजार सात को जारी किया जाता है।

GOVERNMENT OF INDIA - MINISTRY OF CORPORATE AFFAIRS
Registrar of Companies, West Bengal

Fresh Certificate of Incorporation Consequent upon Change of Name

Corporate Identity Number : U51109WB1994PLC064781

In the matter of M/s SAPIENCE COMMODITIES LIMITED

I hereby certify that SAPIENCE COMMODITIES LIMITED which was originally incorporated on Twenty Nineth day
of August Nineteen Hundred Ninety Four under the Companies Act, 1956 (No. 1 of 1956) as SAPIENCE
COMMODITIES Ltd having duly passed the necessary resolution in terms of Section 21 of the Companies Act, 1956
and the approval of the Central Government signified in writing having been accorded thereto under Section 21 of
the Companies Act, 1956, read with Government of India, Department of Company Affairs, New Delhi, Notification
No. G.S.R 507 (E) dated 24/06/1985 vide SRN A26683565 dated 30/11/2007 the name of the said company is this
day changed to JLD CEMENT LIMITED and this Certificate is issued pursuant to Section 23(1) of the said Act.

Given under my hand at Kolkata this Thirtieth day of November Two Thousand Seven.



(DEBASISH BANDOPADHYAY)

कम्पनी रजिस्ट्रार / Registrar of Companies

पश्चिम बंगाल

West Bengal

कम्पनी रजिस्ट्रार के कार्यालय अभिलेख में उपलब्ध पत्राचार का पता :

Mailing Address as per record available in Registrar of Companies office:

JLD CEMENT LIMITED
28 STRAND ROAD 2ND FLOOR, KOLKATA - 700001,
West Bengal, INDIA

Chaturvedi Sohan & Co.

Chartered Accountants

Partners :

Sohan Chaturvedi B.Com., F.C.A.
 Devanand Chaturvedi B.Com., F.C.A.
 Chaturvedi V N B.Com., F.C.A.
 Noshir B Captain B.Com., F.C.A.

Office :

320, Tulsiani Chambers, Nariman Point, Mumbai - 400 021, India
 Tel. : +91-22-2281 5154/ 3215 2550 Fax : +91-22-2281 4872
 E-mail : ca_sohan.co@rediffmail.com / chaturvn@gmail.com

CERTIFICATE

This is to certify that **M/s JLD Cement Limited** having its Office at **28, Strand Road, 2nd floor, Kolkata** has proposed a total capital investment of Rs. 1384.05 Lakhs for its 0.5 mtpa Limestone / Dolomite Mining Project at Village Bahilampur, Taluka Jhari Jhamni, District Yavatmal, Maharashtra.

The break-up of the proposed capital investment is as under:

Sr. No.	Particulars	Proposed Investment
1	Land	Rs. 583.05 Lakhs
2	Building	Rs. 85.00 Lakhs
3	Plant & Machinery	Rs. 716.00 Lakhs
	Total	Rs. 1384.05 Lakhs

This certificate is issued as per the information and explanations given to us and as per the discussions with the Management of **M/s JLD Cement Limited**. This certificate is issued as per the documents and records produced before us. I have relied on the following documents for the purpose of this certification:

1. Project report of M/s JLD Cement Limited for 0.5 mtpa Limestone / Dolomite Mining Project at Village Bahilampur, Taluka Jhari Jhamni, District Yavatmal, Maharashtra.
2. Management letter received from M/s JLD Cement Limited detailing out the proposed investment.

This certificate is being issued on the specific request of M/s JLD Cement Limited for submission to Maharashtra Pollution Control Board.

As the entity is in a start-up phase the projection has been prepared using a set of assumptions that include hypothetical assumptions about future events and management's actions that are not necessarily expected to occur.

Even if the events anticipated under the hypothetical assumptions described above occur, actual results are still likely to be different from the projection since other anticipated events frequently do not occur as expected and the variation may be material

For Chaturvedi Sohan & Co.
Chartered Accountants



Sohan Chaturvedi
Partner
M. No. 30760



Place: - Nagpur
Date: - 10/03/2010

MINING PROCESS

The production of limestone will be by open cast mechanized method by using excavator / shovels, wagon rills, jack hammers, compressors, dumpers, dozers, tippers etc.

The mining bench will be drilled by wagon drill and blasted. The oversize boulders will be secondary drilled by jack hammers and blasted.

The mining activity will consist of

1. Removal of overburden and soil & waste rocks to dump sites
2. Mining of limestone / dolomite bed.
3. Removal of mined ROM to surface yard for proper breaching, sizing, sorting, stacking etc..
4. Preparing grade wise stacks for delivery.

The blasted masks will be loaded by 2 cum, shovel into 20 tuner dumpers and transported to the crusher of the cement plant which will be about 6 km. from this site.

ANNEXURE 5

WATER BUDGET

Lit./day

PARTICULARS	REQUIREMENT	CONSUMPTION	LOSSES/ EVAPORATION	WASTE- WATER
INDUSTRIAL				
SPRAYING	20000	20000	--	--
PLANTATION	5000	5000	--	--
DOMESTIC	5000	1000	--	4000
TOTAL	30000	26000	--	4000