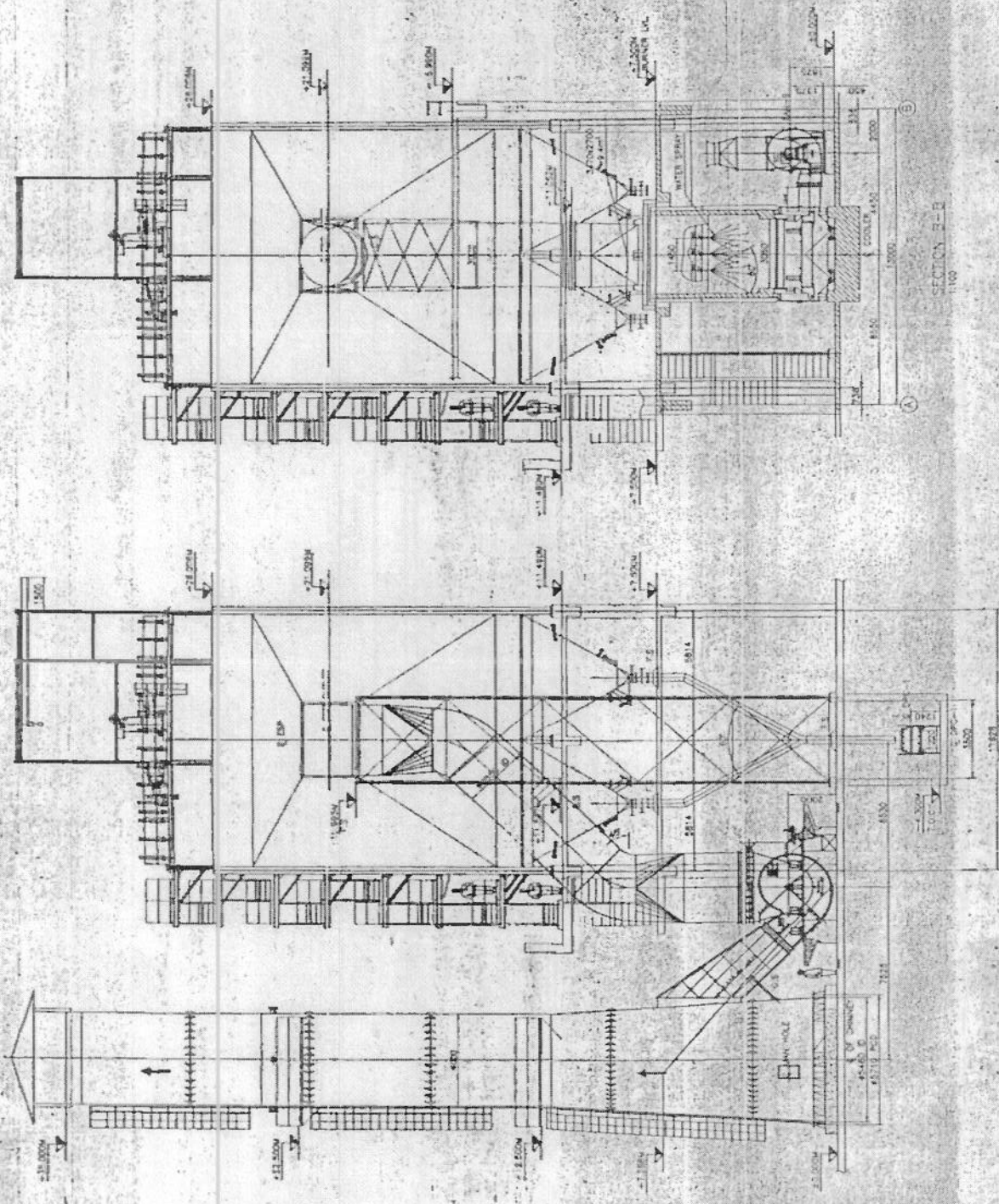


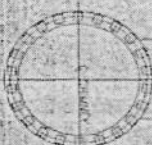
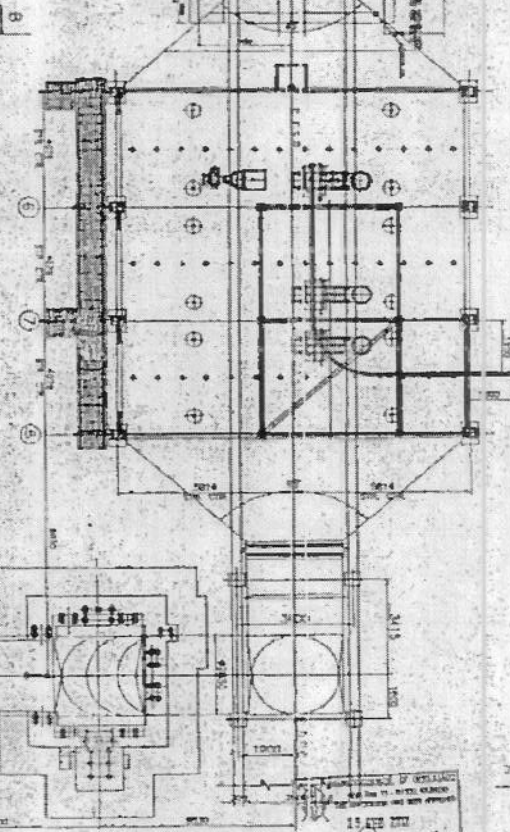
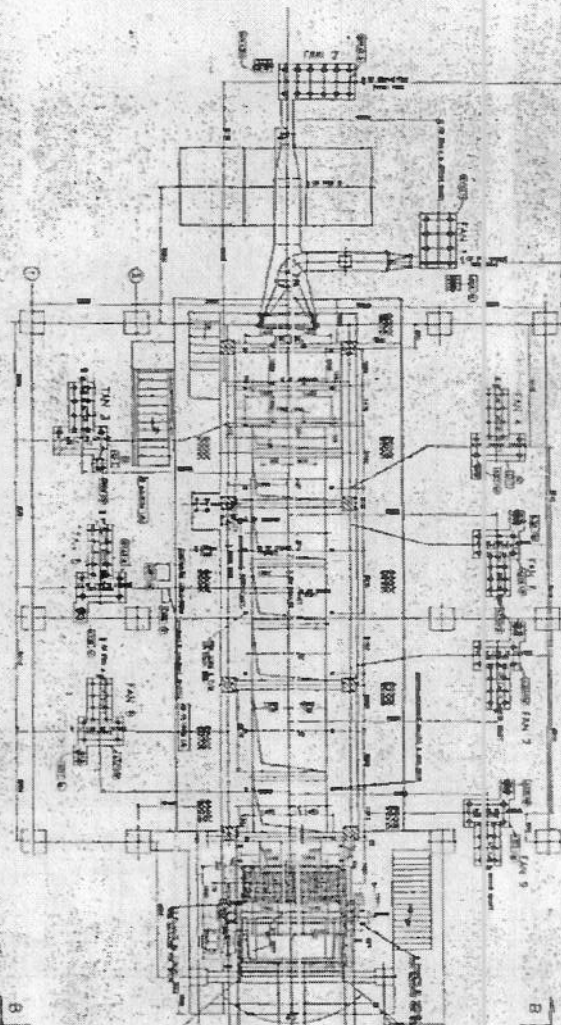


12 FEB 1972
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12 FEB 1972
10:00 AM
10:00 AM
10:00 AM

- NOTES
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
 2. ALL DIMENSIONS SHALL BE CARRIED OUT BY QUALIFIED PERSONS.
 3. ALL DIMENSIONS SHALL BE CARRIED OUT BY QUALIFIED PERSONS.
 4. ALL DIMENSIONS SHALL BE CARRIED OUT BY QUALIFIED PERSONS.
 5. ALL DIMENSIONS SHALL BE CARRIED OUT BY QUALIFIED PERSONS.
 6. ALL DIMENSIONS SHALL BE CARRIED OUT BY QUALIFIED PERSONS.

THIS DRAWING IS THE PROPERTY OF M/S NATIONAL CEMENT COMPANY LTD. AND SHALL NOT BE LOANED, REPRODUCED OR COPIED WITHOUT THE WRITTEN PERMISSION OF THE COMPANY.	
M/S NATIONAL CEMENT COMPANY LTD.	
DESIGN: TRIBE (INDIA) PVT. LTD.	
FOR APPROVAL	
3000TPD CLINKERISATION PLANT AT EMALI, KENYA	
GRATE COOLER	
MECHANICAL	



RECEIVED
15 FEB 1977
15 FEB 1977

W/S NATIONAL CEMENT COMPANY LTD.

DESIGN TRIBE (INDIA) PVT. LTD.
Consulting Engineers & Architects
11-70/2, 1st FLOOR, DDA COLONY
MAYAPUR, NEW DELHI - 110 062

FOR APPROVAL

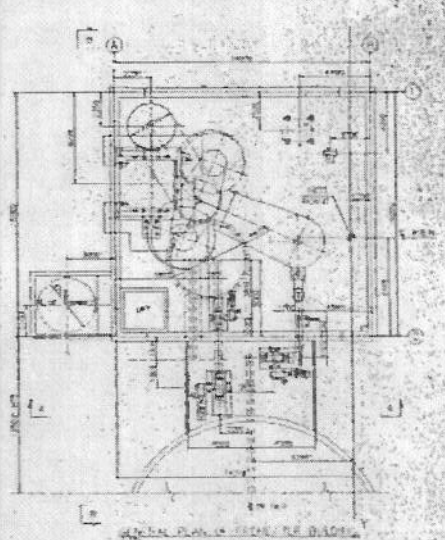
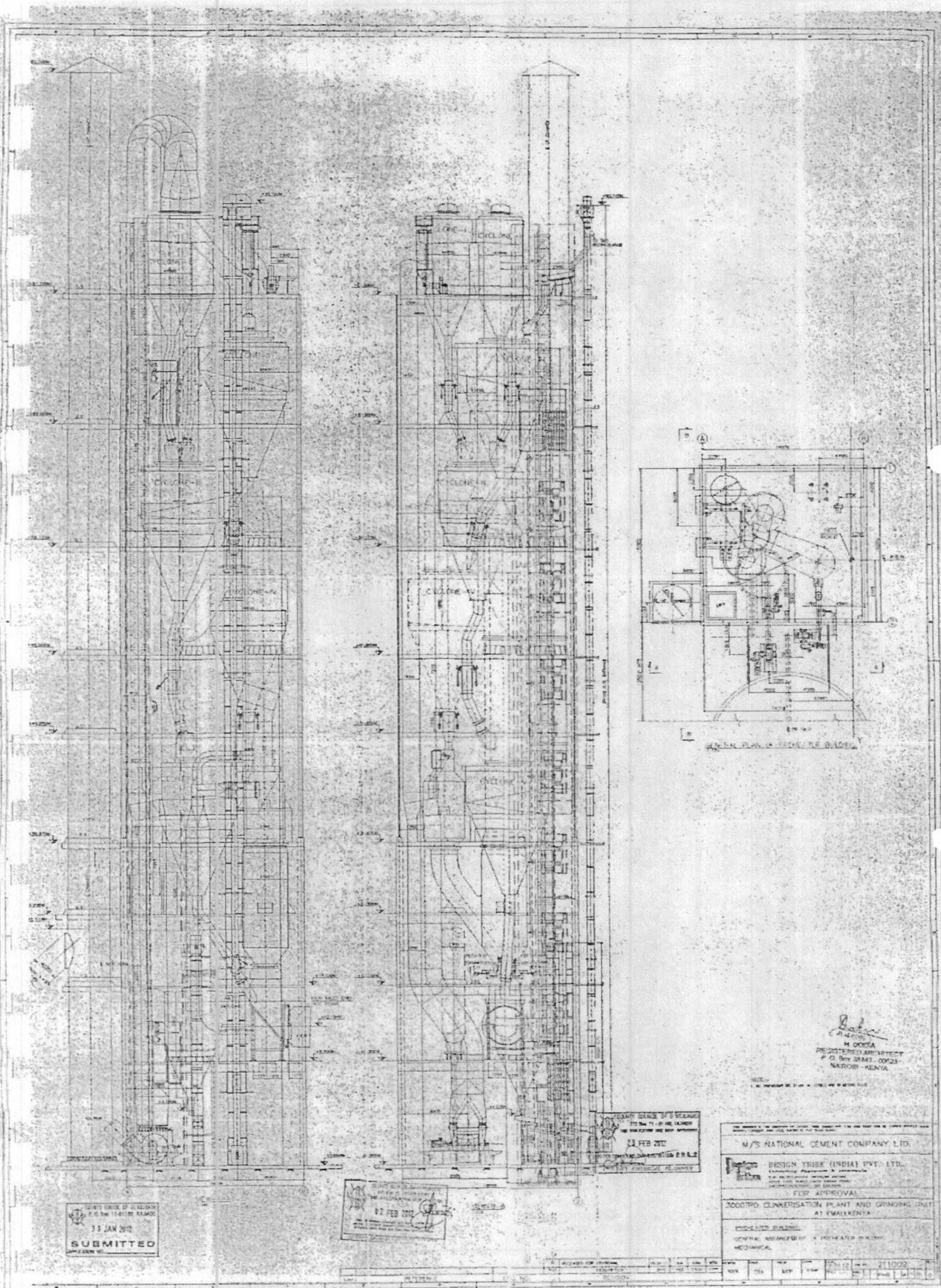
3000TPD CLINKERIZATION PLANT AND GRINDING MILL
AT EMALI, KENYA

COOLER BUILDING

10A OF GRATE COOLER
MECHANICAL

SUBMITTED
15 JAN 1977

1. ALL DIMENSIONS ARE IN MM AND FEET (1:100) SCALE.
2. ALL WALLS SHALL BE CONCRETE OR BRICKWORK WITH 100MM THICKNESS.
3. ALL WALLS SHALL BE CONCRETE OR BRICKWORK WITH 100MM THICKNESS.
4. ALL WALLS SHALL BE CONCRETE OR BRICKWORK WITH 100MM THICKNESS.
5. ALL WALLS SHALL BE CONCRETE OR BRICKWORK WITH 100MM THICKNESS.
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9. ALL WALLS SHALL BE CONCRETE OR BRICKWORK WITH 100MM THICKNESS.
10. ALL WALLS SHALL BE CONCRETE OR BRICKWORK WITH 100MM THICKNESS.



Handwritten signature
 H. DOKSA
 REGISTERED ARCHITECT
 P.O. Box 28431 - 00223
 NAIROBI - KENYA

SEAL OF THE
 30 JAN 2012
SUBMITTED
 ENGINEER

17 FEB 2012

SEAL OF THE
 17 FEB 2012
 ENGINEER

M/S NATIONAL CEMENT COMPANY LTD.	
DESIGN TEAM (INDIA) PVT. LTD.	
3000TPD CLINKERISATION PLANT AND GRINDING UNIT AT EMUKENYA	
FOR APPROVAL	
GENERAL, MECHANICAL & ELECTRICAL	
MECHANICAL	
DATE	21/02/2012



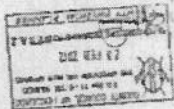
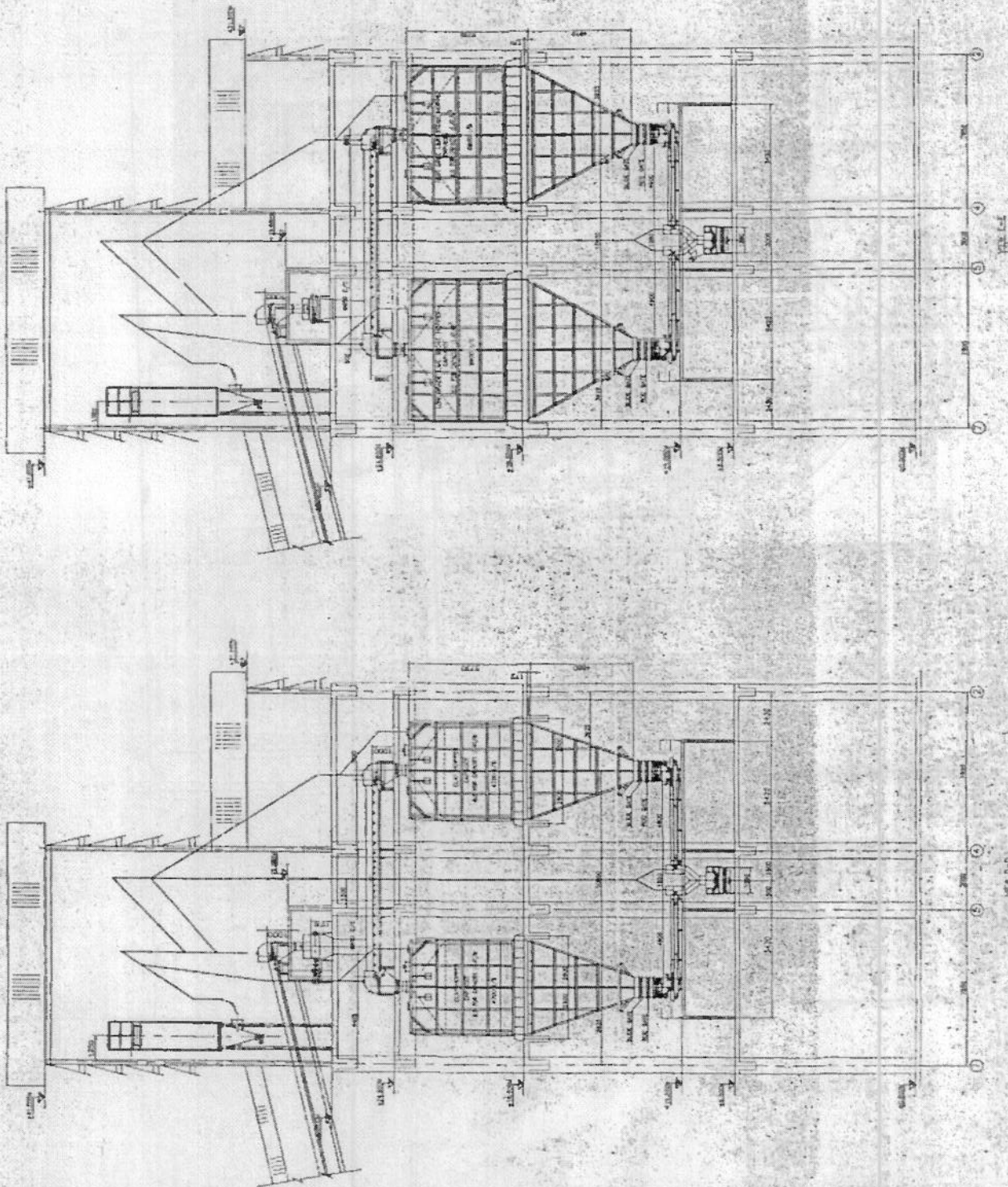
50705 MAR 23 1960

NOTE:-

1. ALL CANDIDATES ARE TO HAVE ALL DATES SET IN MATRONS C.O.M.
2. ALL CANDIDATES ARE TO HAVE 2000S AND 1000S SET AS WELL AS 1000S AND 500S SET.
3. THE FINAL SETS OF 1000S AND 500S ARE TO BE SET IN THE MATRONS C.O.M.
4. ALL DATES MUST BE SET IN THE MATRONS C.O.M.
5. THE FINAL SETS OF 1000S AND 500S ARE TO BE SET IN THE MATRONS C.O.M.

THE PATENT & TRADE MARK ACT, 1908.
 AND THE PATENT & TRADE MARK ACT, 1919.
 M/S. NATIONAL CEMENT COMPANY LTD.
 DESIGN TRIBE (INDIA) PVT. LTD.
 CONSULTING ENGINEERS & ARCHITECTS
 10, 11 & 12, RAJAWADE ROAD, BOMBAY.
 MADE IN INDIA.
 FOR APPROVAL
 3000TPO CLINKERISATION PLANT AND GRINDING MILL
 AT EMALI, KENYA.
 LINESIDE CRUSHER
 D.A. OF LINESIDE CRUSHER (PLAN) SHEET (1 OF 5)
 MECHANICAL
 21002
 11-1152

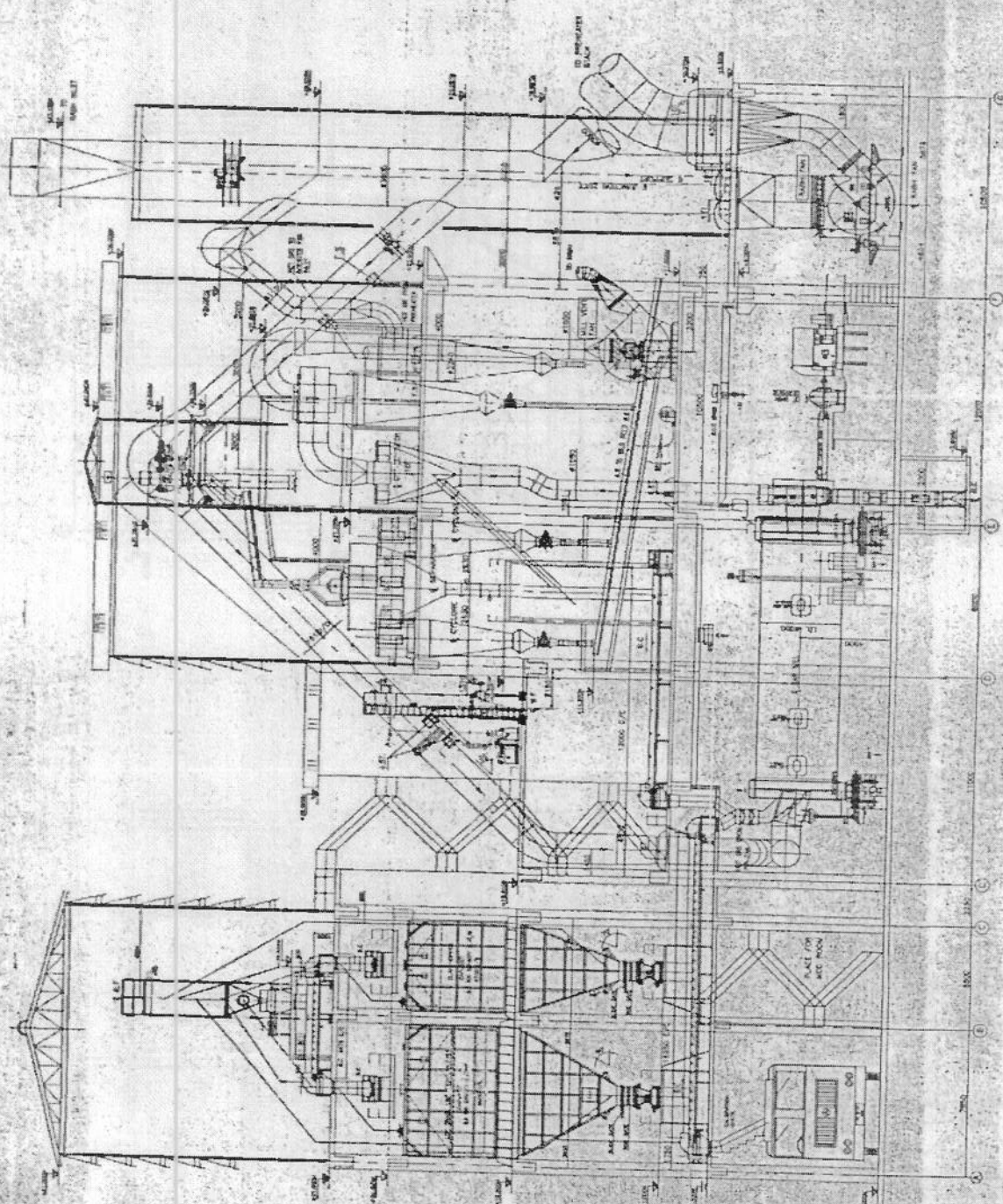
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REGISTERED ARCHITECT
H. DODGE
P. O. BOX 384
KENT, WASH.

NOTES:
1. The building is to be built on a level site.
2. The building is to be built on a level site.
3. The building is to be built on a level site.
4. The building is to be built on a level site.
5. The building is to be built on a level site.
6. The building is to be built on a level site.
7. The building is to be built on a level site.
8. The building is to be built on a level site.

SUBMITTAL		DATE	
DESIGN TITLE (INITIALS)		DATE	
FOR APPROVAL		DATE	
3000TPD CEMENT PLANT AND BAGGING MACHINE		DATE	
AT KENT, WASH.		DATE	
H. DODGE		DATE	
P. O. BOX 384		DATE	
KENT, WASH.		DATE	



REGISTERED ARCHITECT
 1743/1960
 1743/1960
 1743/1960

REGISTERED ARCHITECT
 1743/1960
 1743/1960
 1743/1960

REGISTERED ARCHITECT
 1743/1960
 1743/1960
 1743/1960

NOTES:
 1. THE PLANT IS TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST PRACTICES AND STANDARDS.
 2. THE PLANT IS TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST PRACTICES AND STANDARDS.
 3. THE PLANT IS TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST PRACTICES AND STANDARDS.

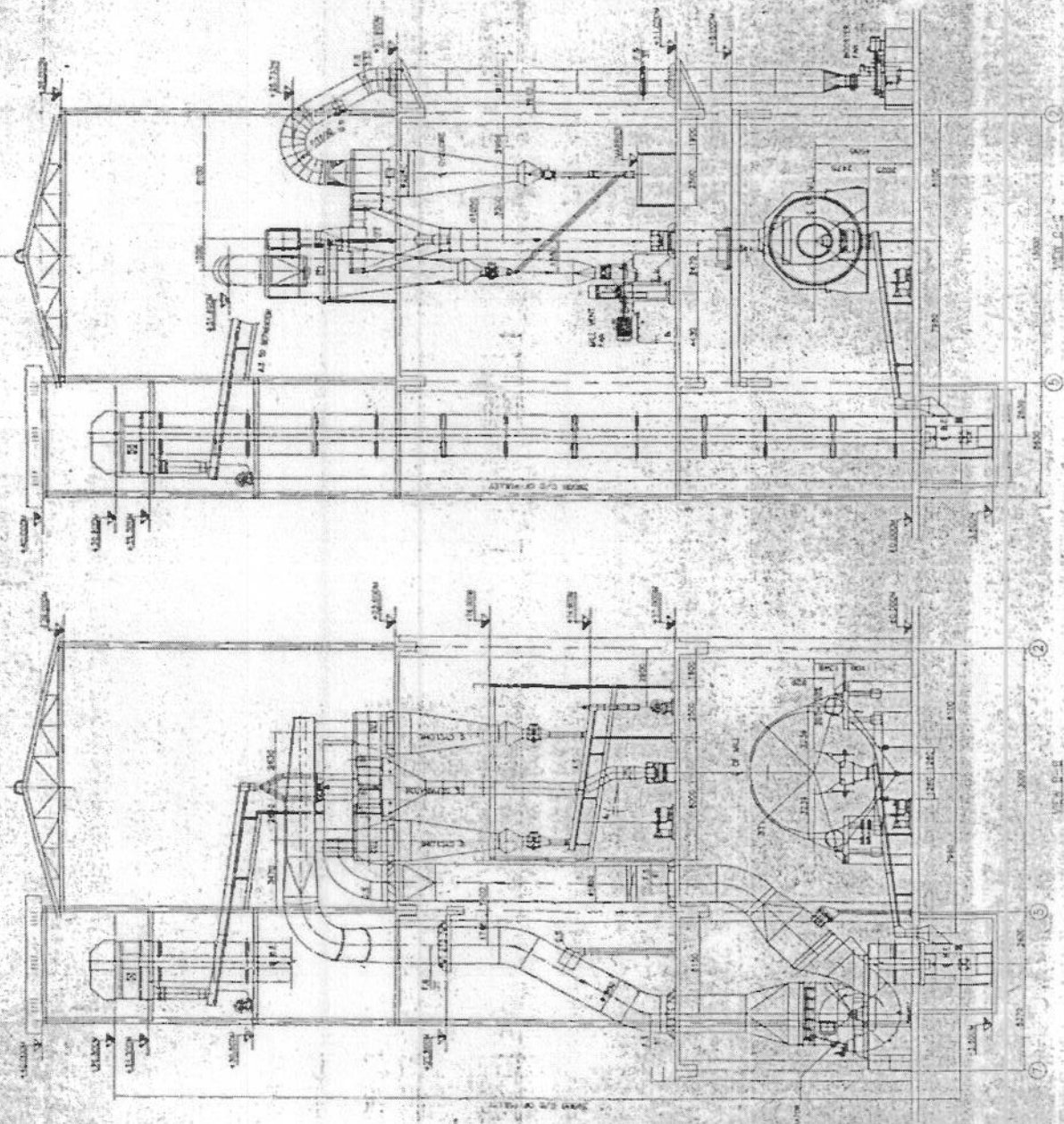
M/S NATIONAL CEMENT COMPANY LTD.	
DESIGN TITLE (INDIA) LTD.	DATE 17/11/60
FOR APPROVAL	BY 17/11/60
300 TPD CEMENTATION PLANT AND 400 TPD CLINKER PLANT AT EMAL, KENYA	BY 17/11/60
DESIGNED BY	DATE 17/11/60
CHECKED BY	DATE 17/11/60
APPROVED BY	DATE 17/11/60
SCALE 1/4" = 1'-0"	DATE 17/11/60
PROJECT NO. 211002	DATE 17/11/60



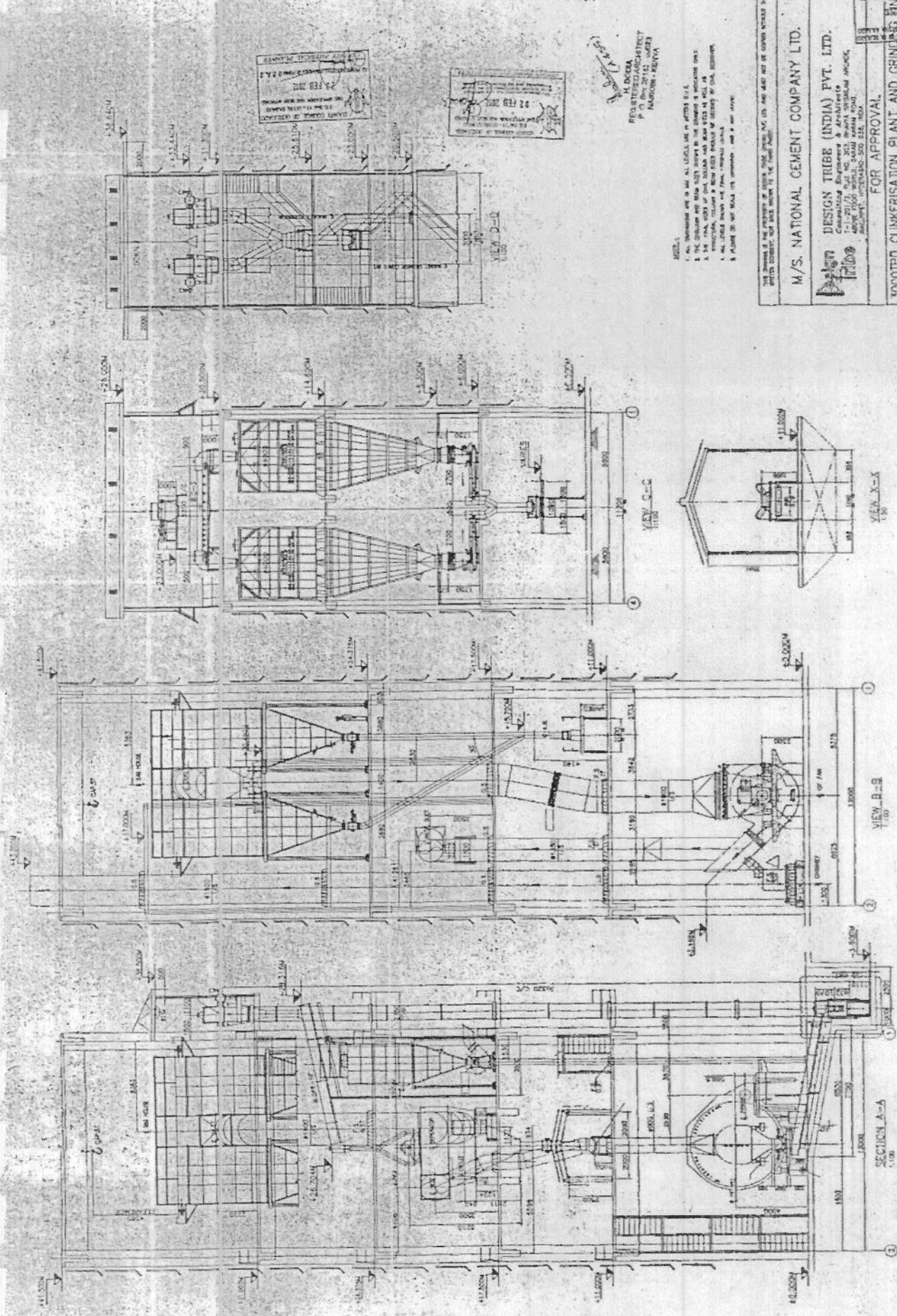
H. DOKKA
REGISTERED ARCHITECT
P. O. BOX 2345, NAIROBI
KENYA

- NOTES:
1. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE FOUNDATION.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE ROOF.
 4. ALL JOINTS SHALL BE MADE IN THE MIDDLE OF THE SPAN.

M/S. NATIONAL CEMENT COMPANY LTD.	
DESIGN: T. D. D. (INDIA) LTD.	
CONSULTING ENGINEERS & ARCHITECTS	
P.O. BOX 2345, NAIROBI, KENYA	
FOR APPROVAL	
3000 TPD CLINKERISATION PLANT AND GRINDING	
AT EMALI, KENYA	
BAR MILL BUILDING	
SECTION (VIEW B-B)	
MECHANICAL	
DATE	21/10/75
BY	U.S.J.
CHECKED BY	U.S.J.
APPROVED BY	U.S.J.
SCALE	1:100



DATE	21/10/75
BY	U.S.J.
CHECKED BY	U.S.J.
APPROVED BY	U.S.J.
SCALE	1:100



RECEIVED
23 FEB 1962
DESIGN THRE (INDIA) PVT. LTD.
AT EMALI, KENYA

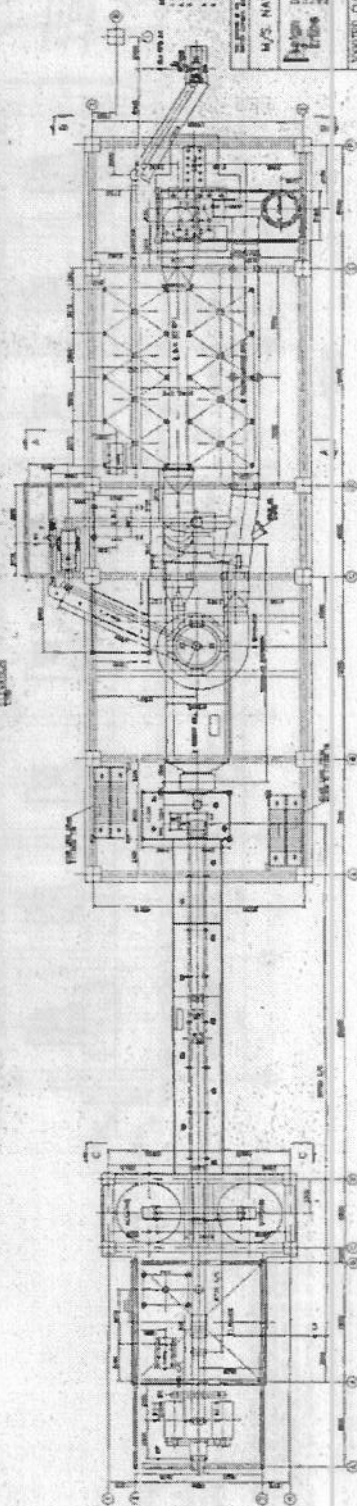
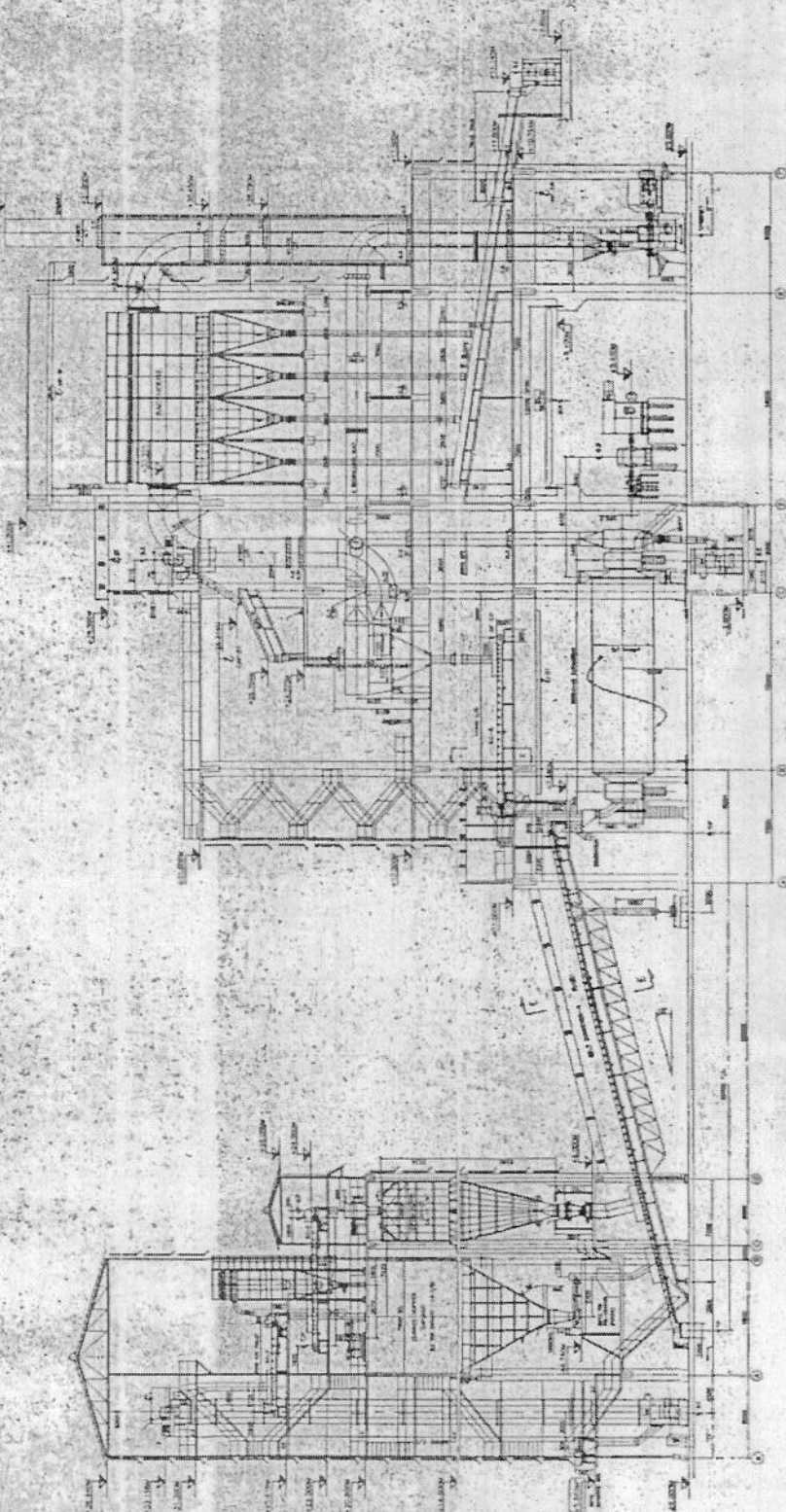
RECEIVED
23 FEB 1962
DESIGN THRE (INDIA) PVT. LTD.
AT EMALI, KENYA

RECEIVED
23 FEB 1962
DESIGN THRE (INDIA) PVT. LTD.
AT EMALI, KENYA

- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL MATERIALS AND LABOUR REQUIRED FOR THE WORK.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL MATERIALS AND LABOUR REQUIRED FOR THE WORK.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL MATERIALS AND LABOUR REQUIRED FOR THE WORK.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL MATERIALS AND LABOUR REQUIRED FOR THE WORK.

M/S. NATIONAL CEMENT COMPANY LTD.	
DESIGN THRE (INDIA) PVT. LTD.	
3000TPD CLINKERISATION PLANT AND GRINDING MILL BUILDING AT EMALI, KENYA.	
FOR APPROVAL	
SECTIONAL VIEW A-A, B-B, C-C, D-D.	
MECHANICAL	
21/002	

NO.	DATE	REVISION	BY	CHKD	APPD
1	10/12/61	1	...	...	...
2	10/12/61	2	...	...	...
3	10/12/61	3	...	...	...
4	10/12/61	4	...	...	...
5	10/12/61	5	...	...	...
6	10/12/61	6	...	...	...
7	10/12/61	7	...	...	...
8	10/12/61	8	...	...	...
9	10/12/61	9	...	...	...
10	10/12/61	10	...	...	...



[Faint, illegible markings]

H. DOGA
REGISTERED ARCHITECT
P O Box 39443 - 00623
Nairobi - Kenya

M/S. NATIONAL CEMENT COMPANY LTD.

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40'00" DESIGN THICK (INTCL) PWT 2.5

Country	Region	Year	Value
China	East	2000	100
China	East	2001	100
China	East	2002	100
China	East	2003	100
China	East	2004	100
China	East	2005	100
China	East	2006	100
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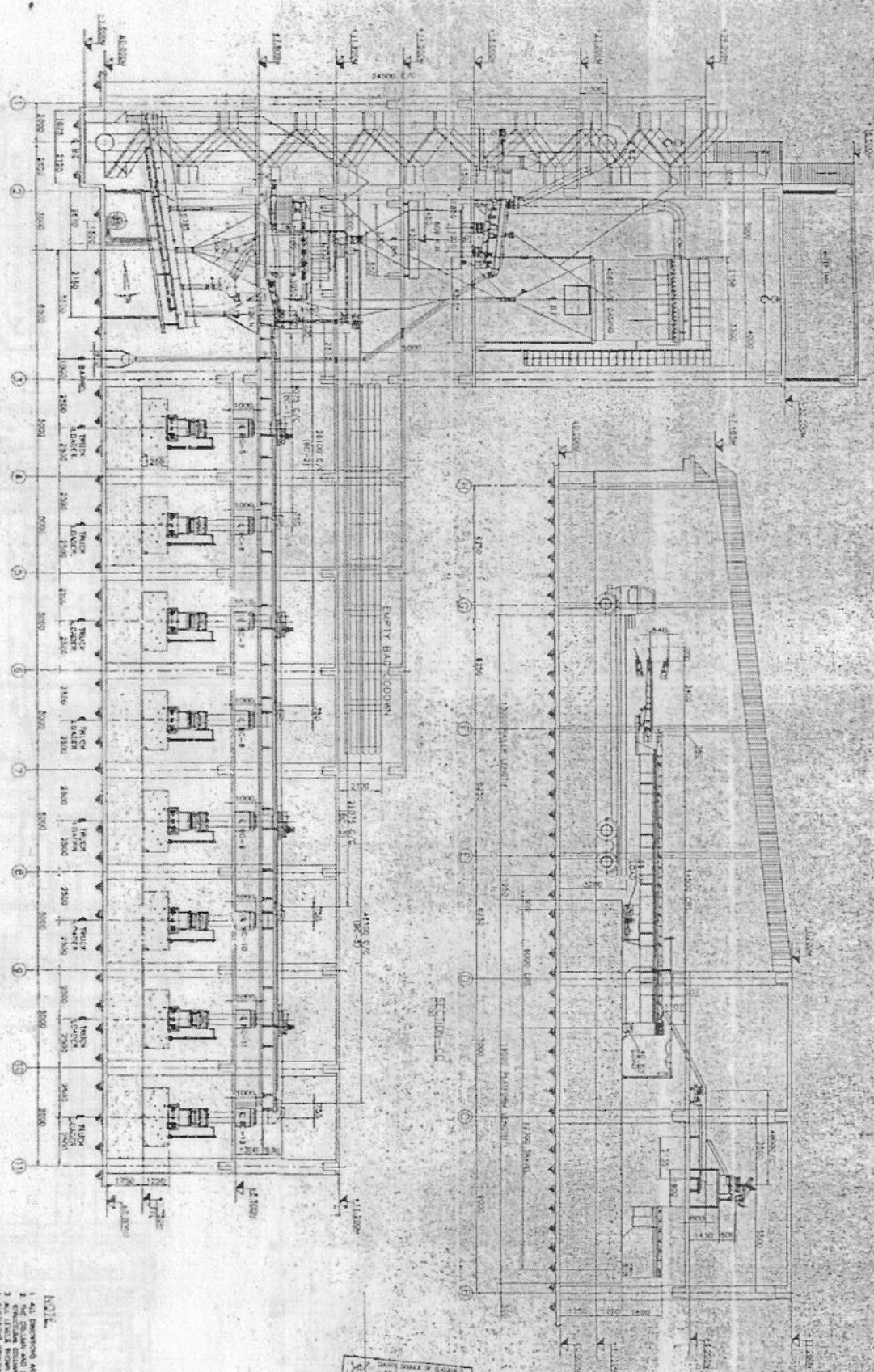
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FOR APPROVAL

ADAPTED CLONERISATION PLANT AND GROWING

AT SMALL KENYA

THESE ARE THE RESULTS



Page No. 1/1

NOTE:
 1. ALL DIMENSIONS ARE IN METERS.
 2. THE FOUNDATION AND ROOF DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE INDIAN STANDARDS.
 3. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE FOUNDATION AND ROOF.
 4. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE.
 5. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE EQUIPMENT.

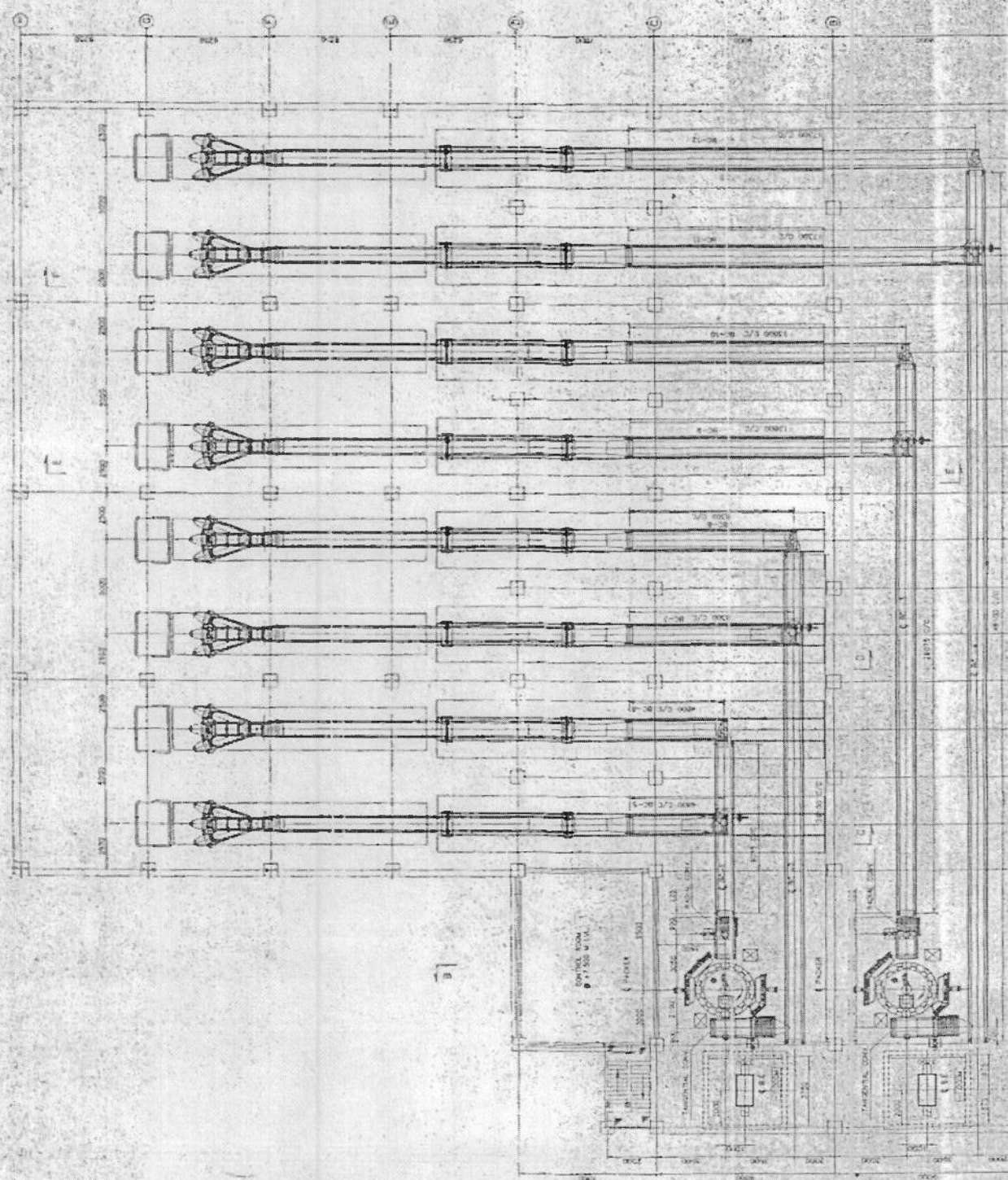
H. D. D. S.
 H. D. D. S.
 H. D. D. S.

DESIGNER'S OFFICE
 02 FEB 1971

DESIGNER'S OFFICE
 11 FEB 1971

DESIGNER'S OFFICE
 18 FEB 1971

DESIGN TUBE (INDIA) LTD.	
FOR APPROVAL	
3000 TPD CEMENTATION PLANT AND	
AT DUAL - CHINA	
PACKING PLANT	
AT DUAL - CHINA	
SUBMITTED	
DATE: 21/02/71	
BY: [Signature]	



VOTES

- ALL CHARACTERS ARE IN MN. ALL LETTERS AND IN ALL CAPS. O.K.S.
THE NAME AND BORN DATE SHOWN IN THE CENSUS IS HONOLULU ONLY.
STANDARD COLUMN A BORN DATE SHOULD BE CHECKED BY THE CENSUS.
ALL LETTERS SHOWN ARE THE SAME. PLEASE CHECK THE LETTERS.
SUFFICIENT CHARACTERS SHOULD BE TO BE CHECKED AND THE FOLLOWS.
PLEASE TO NOT MAKE THE CHARACTERS - AND A NEW COURT.

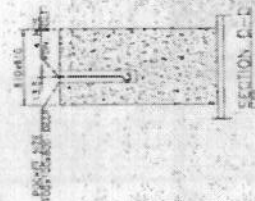
M/S. NATIONAL CEMENT COMPANY LTD

DESIGN TREE (INDIA) PVT. LTD.
Consulting Engineers & Architects
10/117, Rajiv Gandhi Road, Indraprastha
Safeway Centre, New Delhi-110 028
INDIA
TEL: 2610 2611

FOR APPROVAL

NOTED FOR INFORMATION PLANT AND





ALL INFORMATION ON [NAME] IS SET AS UNCLASSIFIED
THE COLUMN AND NAME ARE SHOWN IN THE DRAWING IS INDICATED ONLY
AND THE DATE OF CLASSIFICATION AND NAME WILL AS WELL AS
STRUCTURAL COLUMN AND NAME SHOULD BE SET BY THE CLASSIFICATION
A SUPPORT GROUPING SHOULD BE PROVIDED WITHIN THE CLASSIFICATION
IS APPLIED PLANNING, APPROVED, TRAINING AND TO BE PROVIDED
READY TO BE SET BY THE DRAWING, AND BY COLOR

1. The first step in the process of identifying a problem is to recognize that a problem exists. This is often done by comparing current performance with a desired state or goal. If there is a discrepancy, a problem is identified.

M/S. NATIONAL CEMENT COMPANY LTD.

DESIGN THIEF (INDIA) PVT. LTD.

DESIGN UNIT (USDA) &
Consulting Engineer & Architects

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Dr. Richard A. Smith, M.D., is a professor of medicine and director of the Division of Endocrinology and Metabolic Diseases at the University of California, San Diego. He is also a member of the National Academy of Medicine and the American Association of Endocrinologists.

DECEMBER 1944

FOR APPROVAL

3000TPD CLINKERISATION PLANT AND
AT EMALI KENYA

COINTEGRATION

C. A. DE CRIVAI

100

100

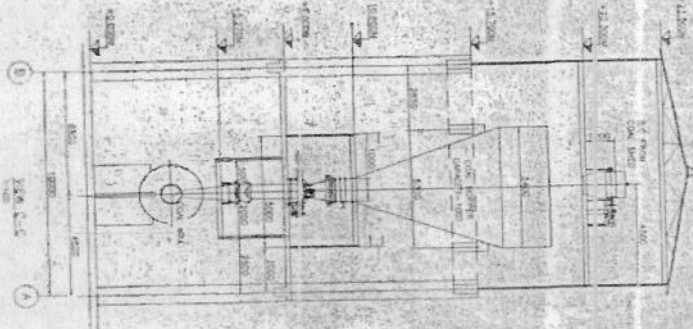
1000

Case	Age	Sex	Site	Pathologic	Survival
1	60	M	Rectum	Adenocarcinoma	10 months
2	65	F	Rectum	Adenocarcinoma	12 months
3	70	M	Rectum	Adenocarcinoma	18 months
4	75	F	Rectum	Adenocarcinoma	24 months
5	80	M	Rectum	Adenocarcinoma	36 months
6	85	F	Rectum	Adenocarcinoma	48 months
7	90	M	Rectum	Adenocarcinoma	60 months
8	95	F	Rectum	Adenocarcinoma	72 months
9	100	M	Rectum	Adenocarcinoma	84 months
10	105	F	Rectum	Adenocarcinoma	96 months

NOTES

100

3. *Journal of the American Medical Association*, 281:1233-1234, 1999

[illegible]

DESIGN TRIBE (INDIA) PVT. LTD.
Consulting Engineers & Architects
P-1, 10/7, 11th Flr, 201, Gandhi Nagar, New Delhi
110 061, India. Tel: 2611 2222, 2611 2223
Fax: 2611 2224, 2611 2225

200TPO CLINKERISATION PLANT AND CR
AT EMALIMENTA

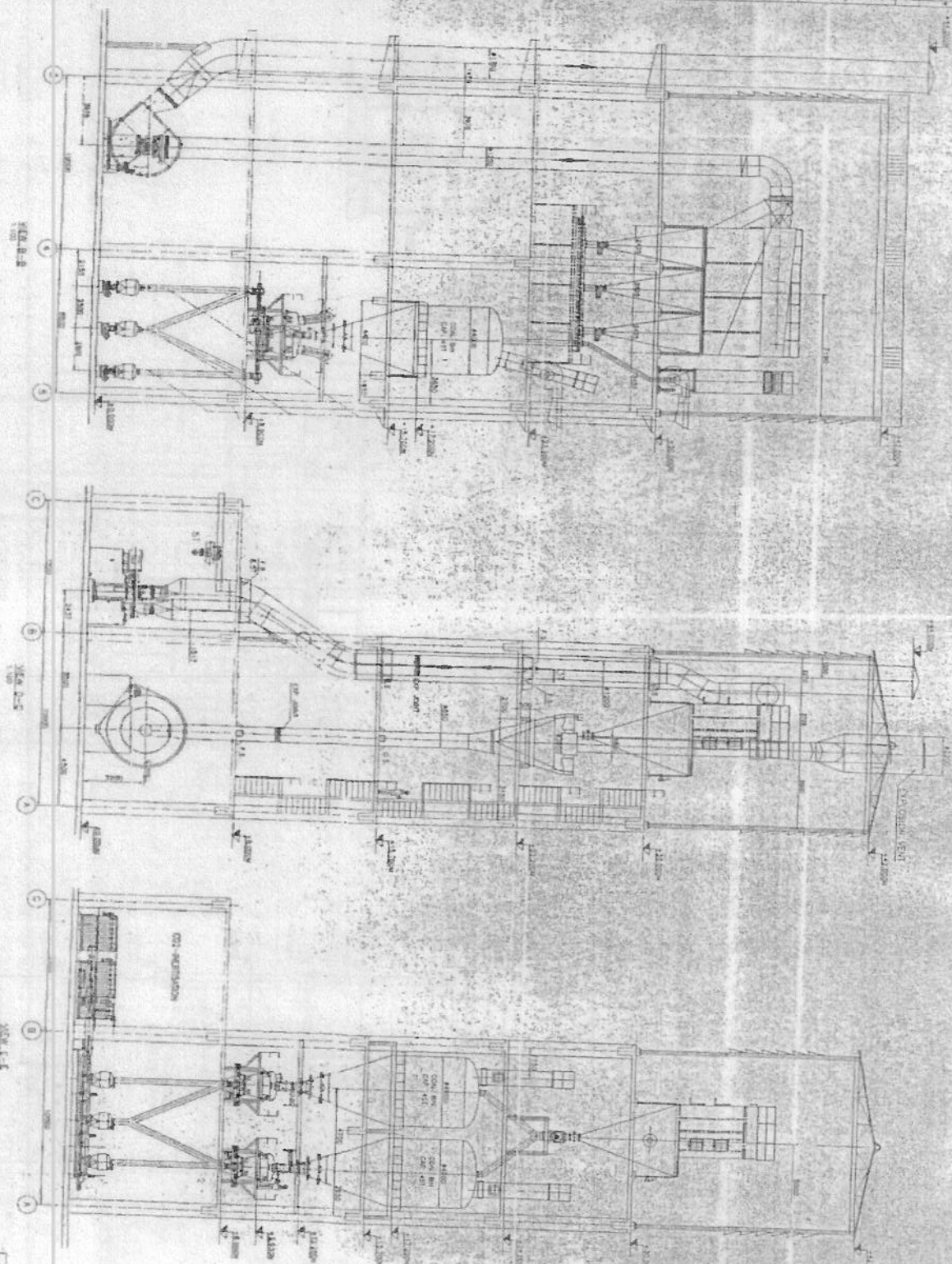
SALES AND BUILDING ELEVATION AND SET MECHANICAL

SUBMITTED

COUNTY CLERK OF OKLAHOMA
 P.O. Box 71 - OMAHA, NEBRASKA
 FOR DEPOSIT AND RECORD
 20 FEB 1972
 BY THE ATTORNEY GENERAL
 STATE OF OKLAHOMA
 BY NOTARIAL PUBLIC


 COUNTY COUNCIL OF CLEVELAND
 100, New 11 - SPITAL PLAZA
 NEWCASTLE-ON-TYNE, N.E. 1
 79 FEB 2007
 AS PER COUNCIL RESOLUTION 1994/1, 2
 1994/1, 2

[illegible]



VIEW B-B

VIEW D-C

VIEW E-F

DESIGN TITLE 3000 TPD COMPRESSION PLANT AT TAYLORVILLE	
DESIGNER H. J. NATIONAL CHEMICAL COMPANY LTD.	
DATE 27 FEB 1952	
BY H. J. NATIONAL CHEMICAL COMPANY LTD.	
FOR APPROVAL AT TAYLORVILLE	
APPROVED H. J. NATIONAL CHEMICAL COMPANY LTD.	
REVISIONS 1. 27 FEB 1952 2. 27 FEB 1952 3. 27 FEB 1952 4. 27 FEB 1952 5. 27 FEB 1952 6. 27 FEB 1952 7. 27 FEB 1952 8. 27 FEB 1952 9. 27 FEB 1952 10. 27 FEB 1952 11. 27 FEB 1952 12. 27 FEB 1952 13. 27 FEB 1952 14. 27 FEB 1952 15. 27 FEB 1952 16. 27 FEB 1952 17. 27 FEB 1952 18. 27 FEB 1952 19. 27 FEB 1952 20. 27 FEB 1952 21. 27 FEB 1952 22. 27 FEB 1952 23. 27 FEB 1952 24. 27 FEB 1952 25. 27 FEB 1952 26. 27 FEB 1952 27. 27 FEB 1952 28. 27 FEB 1952 29. 27 FEB 1952 30. 27 FEB 1952 31. 27 FEB 1952 32. 27 FEB 1952 33. 27 FEB 1952 34. 27 FEB 1952 35. 27 FEB 1952 36. 27 FEB 1952 37. 27 FEB 1952 38. 27 FEB 1952 39. 27 FEB 1952 40. 27 FEB 1952 41. 27 FEB 1952 42. 27 FEB 1952 43. 27 FEB 1952 44. 27 FEB 1952 45. 27 FEB 1952 46. 27 FEB 1952 47. 27 FEB 1952 48. 27 FEB 1952 49. 27 FEB 1952 50. 27 FEB 1952 51. 27 FEB 1952 52. 27 FEB 1952 53. 27 FEB 1952 54. 27 FEB 1952 55. 27 FEB 1952 56. 27 FEB 1952 57. 27 FEB 1952 58. 27 FEB 1952 59. 27 FEB 1952 60. 27 FEB 1952 61. 27 FEB 1952 62. 27 FEB 1952 63. 27 FEB 1952 64. 27 FEB 1952 65. 27 FEB 1952 66. 27 FEB 1952 67. 27 FEB 1952 68. 27 FEB 1952 69. 27 FEB 1952 70. 27 FEB 1952 71. 27 FEB 1952 72. 27 FEB 1952 73. 27 FEB 1952 74. 27 FEB 1952 75. 27 FEB 1952 76. 27 FEB 1952 77. 27 FEB 1952 78. 27 FEB 1952 79. 27 FEB 1952 80. 27 FEB 1952 81. 27 FEB 1952 82. 27 FEB 1952 83. 27 FEB 1952 84. 27 FEB 1952 85. 27 FEB 1952 86. 27 FEB 1952 87. 27 FEB 1952 88. 27 FEB 1952 89. 27 FEB 1952 90. 27 FEB 1952 91. 27 FEB 1952 92. 27 FEB 1952 93. 27 FEB 1952 94. 27 FEB 1952 95. 27 FEB 1952 96. 27 FEB 1952 97. 27 FEB 1952 98. 27 FEB 1952 99. 27 FEB 1952 100. 27 FEB 1952	

H. J. NATIONAL CHEMICAL COMPANY LTD.
 TAYLORVILLE, MISSOURI
 27 FEB 1952

27 FEB 1952
 H. J. NATIONAL CHEMICAL COMPANY LTD.

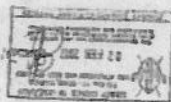
27 FEB 1952
 H. J. NATIONAL CHEMICAL COMPANY LTD.

27 FEB 1952
 H. J. NATIONAL CHEMICAL COMPANY LTD.



卷一百一十五


 DEPARTMENT OF JUSTICE
 OFFICE OF THE ATTORNEY GENERAL
 1900-1901
 UNITED STATES OF AMERICA



GENERAL NOTE

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.

2. THE FOUNDATION SHALL BE AS PER THE FOUNDATION DESIGN.

3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS.

4. SAFETY BARRIERS SHALL BE PROVIDED WHERE NECESSARY.

5. PLANT TO BE USED SHALL BE AS PER THE DESIGN.

M/S NATIONAL CEMENT COMPANY LTD.	
DESIGN ENGINEER: M/S NATIONAL CEMENT COMPANY LTD.	
PROJECT: NATIONAL CEMENT COMPANY LTD.	
SHEET NO. 1 OF 1	
DATE: 10/10/2023	
SCALE: 1:100	
PROJECT LOCATION: NATIONAL CEMENT COMPANY LTD.	
PROJECT NO. 10/10/2023	
PROJECT NAME: NATIONAL CEMENT COMPANY LTD.	
PROJECT ADDRESS: NATIONAL CEMENT COMPANY LTD.	
PROJECT CONTACT: NATIONAL CEMENT COMPANY LTD.	
PROJECT PHONE: NATIONAL CEMENT COMPANY LTD.	
PROJECT FAX: NATIONAL CEMENT COMPANY LTD.	
PROJECT EMAIL: NATIONAL CEMENT COMPANY LTD.	
PROJECT WEBSITE: NATIONAL CEMENT COMPANY LTD.	
PROJECT SOCIAL MEDIA: NATIONAL CEMENT COMPANY LTD.	
PROJECT COMMENTS: NATIONAL CEMENT COMPANY LTD.	

SECTION-10

SECTION-11

SECTION-12

[illegible]

M/S. NATIONAL CEMENT COMPANY LTD.

Consulting Engineers & Architects
P.O. Box 77, Tuckahoe, NY 10981
Tel. (914) 661-1100

FOR APPROVAL

DATE: 10/10/1997

U.S. DEPT. OF COAL, MINE, AND GEOL. SURVEY, WASH. D.C.

980112	211002
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DATE	TIME	NAME	CLUB

Variable	Mean	Standard deviation	Minimum	Maximum
Age	34.5	10.5	20	55
Gender	0.5	0.5	0	1
Marital status	0.5	0.5	0	1
Education	12.5	1.5	10	15
Income	1.5	0.5	1	2
Health	0.5	0.5	0	1
Religion	0.5	0.5	0	1
Occupation	0.5	0.5	0	1
Political party	0.5	0.5	0	1
Home ownership	0.5	0.5	0	1
Auto ownership	0.5	0.5	0	1
Life insurance	0.5	0.5	0	1
Health insurance	0.5	0.5	0	1
Retirement savings	0.5	0.5	0	1
Charitable giving	0.5	0.5	0	1
Volunteering	0.5	0.5	0	1
Political participation	0.5	0.5	0	1
Community involvement	0.5	0.5	0	1
Environmental concern	0.5	0.5	0	1
Trust in government	0.5	0.5	0	1
Trust in media	0.5	0.5	0	1
Trust in neighbors	0.5	0.5	0	1
Trust in police	0.5	0.5	0	1
Trust in courts	0.5	0.5	0	1
Trust in military	0.5	0.5	0	1
Trust in religious leaders	0.5	0.5	0	1
Trust in business leaders	0.5	0.5	0	1
Trust in celebrities	0.5	0.5	0	1
Trust in social media	0.5	0.5	0	1
Trust in technology	0.5	0.5	0	1
Trust in science	0.5	0.5	0	1
Trust in education	0.5	0.5	0	1
Trust in healthcare	0.5	0.5	0	1
Trust in law enforcement	0.5	0.5	0	1
Trust in judiciary	0.5	0.5	0	1
Trust in armed forces	0.5	0.5	0	1
Trust in clergy	0.5	0.5	0	1
Trust in industry	0.5	0.5	0	1
Trust in entertainment	0.5	0.5	0	1
Trust in academia	0.5	0.5	0	1
Trust in government officials	0.5	0.5	0	1
Trust in political leaders	0.5	0.5	0	1
Trust in business executives	0.5	0.5	0	1
Trust in media personalities	0.5	0.5	0	1
Trust in tech moguls	0.5	0.5	0	1
Trust in scientists	0.5	0.5	0	1
Trust in educators	0.5	0.5	0	1
Trust in healthcare providers	0.5	0.5	0	1
Trust in law enforcement officers	0.5	0.5	0	1
Trust in judges	0.5	0.5	0	1
Trust in soldiers	0.5	0.5	0	1
Trust in priests	0.5	0.5	0	1
Trust in CEOs	0.5	0.5	0	1
Trust in talk show hosts	0.5	0.5	0	1
Trust in professors	0.5	0.5	0	1
Trust in politicians	0.5	0.5	0	1
Trust in business leaders	0.5	0.5	0	1
Trust in media personalities	0.5	0.5	0	1
Trust in tech moguls	0.5	0.5	0	1
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Trust in healthcare providers	0.5	0.5	0	1
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Trust in politicians	0.5	0.5	0	1
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Trust in media personalities	0.5	0.5	0	1
Trust in tech moguls	0.5	0.5	0	1
Trust in scientists	0.5	0.5	0	1
Trust in educators	0.5	0.5	0	1
Trust in healthcare providers	0.5	0.5	0	1
Trust in law enforcement officers	0.5	0.5	0	1
Trust in judges	0.5	0.5	0	1
Trust in soldiers	0.5	0.5	0	1
Trust in priests	0.5	0.5	0	1
Trust in CEOs	0.5	0.5	0	1
Trust in talk show hosts	0.5	0.5	0	1
Trust in professors	0.5	0.5	0	1
Trust in politicians	0.5	0.5		

DR GIDEON H. NYAMASYO

P.O. BOX 30197 - 00100, GPO

NAIROBI, KENYA

Tel: 0722 - 874591

E - mail: gnyamasyo@gmail.com

THE DIRECTOR GENERAL
NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY
P. O. BOX 57839-00200
POPO ROAD, NAIROBI

25th August, 2011.

REF: NEMA/EIA/5/2/762

ATT: OUMA, O. Z.

Dear Sir,

RE: ENVIRONMENT IMPACT ASSESSMENT STUDY REPORT FOR THE PROPOSED CLINKER
MANUFACTURING PLANT AND THE RELATED LIMESTONE QUARIES IN MERRUESHI LOCATION,
KAJIADO CENTRAL DISTRICT, KAJIADO COUNTY ON LR NOS: KAJIADO KAPUTEI SOUTH/2637,
2639, 2641 AND 2647.

We refer to your letter dated 22nd August, 2011 and are very grateful for the speedy review that you have accorded the above mentioned study report. As stated in the report, the proponent has acquired the titles stated above with a total acreage of 400 acres (each title covers about 100 acres). The proponent will also lease about 1,600 acres from the Mbirikani Group Ranch from which he will mine limestone.

The proponent has signed a 99 year lease with the Mbirikani Group ranch (see copy attached) for the lease of a section of LR LTK/MBIRIKANI/325. The lease covers the 1,600 acres which has Limestone and which the proponent is interested in. We now seek your authority that the proponent be allowed to include as part of the areas to be directly impacted on by the project, LR LTK/MBIRIKANI/325 in advertisements to be placed on the Kenya gazette and Newspapers with National circulation as per your letter of 22nd August, 2011.

We once again thank you for all the assistance you have been according us.

Yours Faithfully
NEMA REGISTERED EIA EXPERT


DR. GIDEON NYAMASYO.

NATIONAL CEMENT REPRESENTATIVE


MR. JAMES KARIUKI

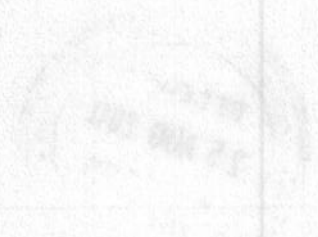


8. OTHER ATTACHMENTS

On our letter dated 25th August, 2011 that was in response to NEMA letter of 22nd August, 2011, we informed NEMA that a formal lease agreement now existed between National Cement Company Limited and the Mbirikani Group Ranch. The proponent has leased 1,600 acres from the Group Ranch. The lease period is 99 years and the term runs from 1st July, 2011. We attach a copy of the letter (bearing NEMA received stamp dated 25th August, 2011) and a copy of the Certificate of Lease. We once again express the proponents desire that the land title No. **LR LTK/MBIRIKANI/325** be included in all future correspondence and licenses from NEMA. The lease and its purpose is well documented in both the project report and the study report submitted to NEMA.


[Illegible text]


[Illegible text]





REPUBLIC OF KENYA

THE REGISTERED LAND ACT
(Chapter 300)

Certificate of Lease

Title No. LTE/MBIRIKANI/325

APPROXIMATE AREA

1,600 ACRES

LESSOR MBIRIKANI GROUP RANCH

RENT 6,400,000/=

TERM 99 YEARS FROM 1.7.2011

This is to certify that NATIONAL CEMENT COMPANY LIMITED
P.O. BOX 33319-00200 NAIROBI

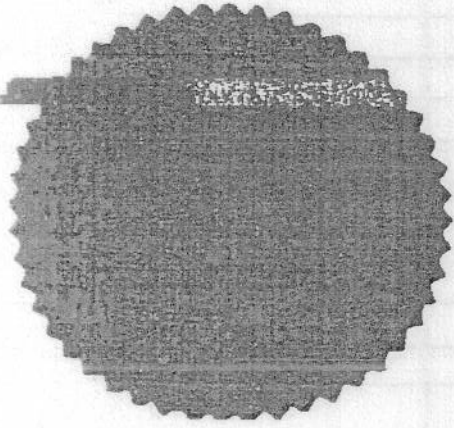
is (are) now registered as the proprietor(s) of the leasehold interest above referred to, subject to the agreements and other matters contained in the registered lease, to the entries in the register relating to the lease and to such of the overriding interests set out in section 30 of the Registered Land Act as may for the time being subsist and affect the land comprised in the lease.

GIVEN under my hand and the seal of the

KAJIADO

District Registry

this 11TH day of JULY, 2011


P. N. Ndegwa 244
Land Registrar

As the date stated on the front hereof, the following entries appear in the register relating to the land:

EDITION: 1		PART A - PROPERTY SECTION	
OPENED: 2.9.10			
REGISTRATION SECTION	PARTICULARS OF LEASE		NATURE OF TITLE
LTE/MBIRIKANI	LESSOR: MBIRIKANI GROUP RANCH		LEASEHOLD
PARCEL NUMBER	LESSEE: NATIONAL CEMENT COMPANY LIMITED		
325			
APPROXIMATE AREA	RENT:	TERM:	
1,600 acres	6,400,000	99	
HECTARES		FROM:	
		1.7.11	
REGISTRY MAP SHEET No.	FOR APPURTENANCES SEE THE REGISTERED LEASE, N.B WHERE THE LEASE IS OF A PART OF A PARCEL, THE PARCEL NUMBER REFERS TO THE NUMBER SHOWN ON THE FILED PLAN		

PART B—PROPRIETORSHIP SECTION

[illegible]

PART C--ENCUMBRANCES SECTION

[illegible]

Land Registrar



REPUBLIC OF KENYA

THE REGISTERED LAND ACT
(Chapter 300)

Certificate of Lease

GPX (L)



SIMBA CEMENT

NATIONAL CEMENT COMPANY LTD

Building The Nation

P.O. BOX 33319 - 00600 NAIROBI. TEL: 020 - 2511902/3/4/5/6 MOBILE: 0731 222 977, 0712 789 154, 0736 811855/66
WIRELESS: 020-2326134/5 FAX: 020 - 2028169 EMAIL: sales@nccke.com Webs to: www.nccke.com

4th May 2012

Our Ref: NCCL/080/12/NEMA

Your Ref: NEMA/EIA/5/2/762

The Director General,
National Environmental Management Authority,
P.O.BOX 67839-00200,
NAIROBI

Dear Sir,

**RE: CONDITIONS FOR APPROVAL OF ENVIRONMENTAL IMPACT ASSESSMENT (E.I.A) STUDY
REPORT FOR THE PROPOSED CLINKER MANUFACTURING PLANT AND RELATED LIMESTONE
QUARRIES ON PLOT L.R.NO.KAJIADO/KAPUTEI SOUTH/2637,2639,2641,2647 &
LTK/MBIRIKANI/325 MERRUESHI KAJIADO**

We refer to your conditional approval letter dated 3rd May 2012 which we have read and understood.

We are happy to inform you that we are in acceptance of all the stated conditions and undertake to abide by them in consultation with our E.I.A Consultants.

We attach a bankers cheque of Ksh.64,250 which is the remaining 50% NEMA fees.

We look forward to receiving the license from you.

Yours faithfully,

For: National Cement Co. Ltd

James Kariuki

Group Human Resources Manager





nema

mazingira yetu | juhudi yetu | mapitio yetu

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY

Tel: (254-020) 6005522/3/6/7, 6001945, 6008767, 6008687
Mbl: 0724-253398, 0723-363010, 0735-013046, 0735-010237
Telkom Wireless: 010-2101370
Fax: 254-020-6001997
Hotline: 020-8077213, 020-6006041

P.O. Box 67839, 00200
Papo Road, Nairobi, Kenya
E-mail: dgnema@nema.go.ke
website: www.nema.go.ke

NEMA/EIA/5/2/762

3rd May, 2012

National Cement Limited
P.O. Box 33319-00600
NAIROBI

RE: CONDITIONS FOR APPROVAL OF ENVIRONMENTAL IMPACT ASSESSMENT (EIA) STUDY REPORT FOR THE PROPOSED CLINKER MANUFACTURING PLANT AND RELATED LIMESTONE QUARRIES ON PLOT L.R. NO. KAJIADO/KAPUTIEI SOUTH/2637, 2639, 2641, 2647 AND LTK/MBIRIKANI/325/MARRUESHI, KAJIADO

The National Environment Management Authority (NEMA) has reviewed the Environmental Impact Assessment (EIA) Study of the above mentioned proposed project and in light of the provisions of Environmental Management and Coordination Act of 1999, the Authority has approved the proposed project with the following mandatory conditions:

1.0 General Conditions

- 1.1 This project is for the Clinker manufacturing plant and limestone quarries on plot L.R. No. Kajiado/Kaputiei/South/2637, 2639, 2641, 2647 and LTK/Mbirikani/325 Marrueshi, Kajiado.
- 1.2 The license shall be valid for 24 months from the date of issue.
- 1.3 Without prejudice to the other conditions of this license, the proponent shall implement and maintain an environmental management system, organizational structure and allocate resources that are sufficient to achieve compliance with the requirements and conditions of this license.
- 1.4 The Authority shall take appropriate action against the proponent in the event of breach of any of the conditions stated herein or any contravention to the Environmental Management and Coordination Act, 1999 and regulations therein.
- 1.5 This license shall not be taken as statutory defence against charges of environmental degradation or pollution in respect of any manner of degradation/pollution not specified herein.

- 1.6 The proponent shall ensure that records on conditions of licenses/approval and project monitoring and evaluation shall be kept on the project site for inspection by NEMA's Environmental Inspectors.
- 1.7 The proponent shall submit an Environmental Audit report in the first year of occupation/operations/commissioning to confirm the efficacy and adequacy of the Environmental Management Plan.
- 1.8 The proponent shall comply with NEMA's improvement orders throughout the project cycle.
- 1.9 The proponent shall provide the final project accounts (final project costs) on completion of construction phase. This should be done prior to project commissioning/operation/occupation.

2.0 Quarrying and Construction Conditions

- 2.1 The proponent shall ensure that no quarrying is done within 50m of any house irrespective of any prior consent from the owner
- 2.2 The proponent shall ensure that progressive quarry rehabilitation is done as soon as quarry activities have been completed on any quarry.
- 2.3 The proponent shall put up a project signboard as per the Ministry of Public Works standards showing the NEMA EIA license number among other details.
- 2.4 The proponent shall ensure strict adherence to the land use zones as indicated in the wildlife integration plan.
- 2.5 The proponent shall install warning signs of appropriate size and language at all quarry entries
- 2.5 The proponent shall ensure strict adherence to the Mining Act and other relevant legislation in relation to quarrying
- 2.6 The proponent shall ensure that all excavated material and debris is collected, re-used and where need be, disposed off as per the Environmental Management and Coordination (Waste Management) Regulations of 2006.
- 2.7 The proponent shall plant native species of trees to increase the biodiversity and land cover of the area which shall also reduce soil erosion.
- 2.8 The proponent shall work closely with KWS to ensure compliance with the wildlife Management (integration) plan attached to the report
- 2.9 The proponent shall ensure that no blasting is done on site without requisite approval from mines and geology department and a notification done to NEMA and the neighbours.
- 2.10 The proponent shall ensure strict adherence to the provisions of Environmental Management and Coordination (Noise and Excessive Vibrations Pollution Control) Regulations of 2009.

- 2.11 The proponent shall ensure strict adherence to the Occupational Safety and Health Act (OSHA), 2007.
- 2.12 The proponent shall ensure that workers at the quarries and clinker plant are provided with adequate personal protection equipment (PPE), sanitary facilities as well as adequate training.
- 2.13 The proponent shall ensure that quarrying activities are undertaken during the day (and not at night) between 08.00 hrs and 17.00 hrs; and that transportation of construction material to site are undertaken during weekdays (and not weekends) off peak hours.
- 2.14 The proponent shall ensure strict adherence to the Environmental Management Plan developed throughout the project cycle.
- 2.15 The proponent shall ensure that the development adheres to zoning specifications issued for development of such a project within the jurisdiction of County Council of Kajiado with emphasis on approved land use for the area.

3.0 Operational Conditions

- 3.1 The proponent shall conform to acceptable air pollution emission standards from the clinker manufacturing plant.
- 3.2 The proponent shall ensure safety of the quarry by engaging a trained personnel to be incharge of health and safety within the quarry
- 3.3 The proponent shall ensure quarry faces/cliffs are securely fenced
- 3.4 The proponent shall ensure there are no undercutting or tunnelling in the quarry
- 3.5 The proponent shall ensure that all waste water is disposed as per the standards set out in the Environmental Management and Coordination (Water Quality) Regulations of 2006.
- 3.6 The proponent shall ensure that appropriate and functional efficient air pollution control mechanisms are installed in the facility to control all air emissions.
- 3.7 The proponent shall ensure that all equipment used are well maintained in accordance with the Environmental Management and Coordination (Noise and Excessive Vibration Pollution Control) Regulations of 2009.
- 3.8 The proponent shall ensure that all solid waste is handled in accordance with the Environmental Management and Coordination (Waste Management) Regulations of 2006.
- 3.9 The proponent shall ensure that all workers are well protected and trained as per the Occupational Safety and Health Act (OSHA) of 2007.
- 3.10 The proponent shall comply with the relevant principal laws, by-laws and guidelines issued for development of such a project within the jurisdiction of County Council of Kajiado, Ministry of Energy, Mines and Geology Department, Kenya Wildlife Service, Ministry of Lands, Water Resources Management Authority and relevant Local Authorities.
- 3.11 The proponent shall ensure that environmental protection facilities or measures to prevent pollution and ecological deterioration such as securing of the quarry sites, rehabilitation and

restoration of quarry sites, traffic management plan, emergency response plans, energy and water saving fixtures waste minimization options, dust control mechanisms are designed, constructed and employed simultaneously with the proposed project.

4.0 Notification Conditions

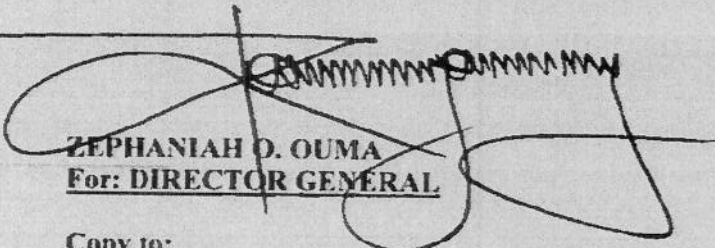
- 4.1 The proponent shall seek written approval from the Authority for any operational changes under this license.
- 4.2 The proponent shall ensure that the Authority is notified of any malfunction of any system within 12 hours on the NEMA hotline No. **020 6006041** and mitigation measures put in place.
- 4.3 The proponent shall keep records of all pollution incidences and notify the Authority within 24 hours.
- 4.4 The proponent shall notify the Authority in writing of its intent to decommission the facility **three (3) months** in advance.

5.0 Decommissioning Conditions

- 5.1 The proponent shall ensure that a decommissioning plan is submitted to the Authority for approval at least three (3) months prior to decommissioning.
- 5.2 The proponent shall ensure that all pollutants and polluted material is contained and adequate mitigation measures provided during the phase.

The above conditions will ensure environmentally sustainable development and must be complied with.

Kindly confirm in writing within a period of 30 days from date of receipt of this letter that the conditions shall be complied with prior to commencement of the project and make payment of Kshs. 64,250 to enable the Authority process the Environmental Impact Assessment license.



ZEPHANIAH O. OUMA
For: DIRECTOR GENERAL

Copy to:

The Commissioner
Mines and Geology Department
P.O. Box 30009-00100
NAIROBI

The Regional Manager
Athi Water Catchment Area
Water Resources Management Authority
P.O. Box 1150-90100
MACHAKOS

The Director

Kenya Wildlife Service
P.O. Box 40241-00103
NAIROBI

District Physical Planning Officer
Ministry of Lands
P.O.Box 30418
NAIROBI

Director of Industry
Ministry of Industrialization
P.O.Box 30418
NAIROBI

District Environment Committee
C/o District Environment Officer
KAJIADO

The Clerk
Olkejuado County Council
P.O.Box 11
KAJIADO

MAY 4, 2012

National Environment Management Authority

P.O. Box 77829 - 00200

Nairobi, Kenya

Tel: 020 600 55 22/067, Fax: 020 600 19 45

www.nema.go.ke Email: dgrema@nema.go.ke



Receipt No: 27466

Date: 05/04/12

Unit Code: 1100011

National Cement Limited-Final Pay

SIXTY FOUR THOUSAND TWO HUNDRED FIFTY AND 00/100

Amount in words

Cash Amount: 04,250.00

Cheque

Cheque

Cheque No.

227374

EIA Project report income

Payment of

Your account has been credited with the value of this receipt.

With Thanks

Signature

Lucy Thuku

For NEMA - Kenya

Amount to

Total Amount

Change



nema
mazingira yetu/uhai wetu/wajibu wetu

Application Reference No. EIA/762

0011168

Registration No:

For official use

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY (NEMA)

**THE ENVIRONMENTAL MANAGEMENT AND CO-ORDINATION ACT
ENVIRONMENTAL IMPACT ASSESSMENT LICENSE**

This is to certify that the Project Report/Environmental Impact Assessment Study Report received from
NATIONAL CEMENT LIMITED

..... (Name of individual/firm) of **P. O. BOX 33319-00600, NAIROBI**..... (Address

submitted to the National Management Environment Authority (NEMA) in accordance with the
Environmental Impact Assessment and Audit Regulations regarding **PROPOSED CLINKER
MANUFACTURING PLANT AND RELATED LIMESTONE QUARRIES**

..... (title of project) whose objective is to carry on
**CONSTRUCTION OF A CLINKER MANUFACTURING PLANT AND ESTABLISHMENTS OF
ITS RELATED LIMESTONE QUARRIES**

..... (briefly describe purpose) located at
**LR.NO.KAJIADO/KAPUTEI SOUTH/2637, 2639, 2641, 2647 AND LTK/MBIRIKANI
325 MARRUESHI KAJIADO COUNTY**

.....(locality and district) has been reviewed and a licence is hereby issued for implementation of the project, subject to attached conditions.

Dated this **24TH** Day of **MAY 2012**

Signature

(SEAL)

**Director General
The National Environment Management Authority**

CONDITIONS OF LICENSE

1. This licence is valid for a period of **24 MONTHS** (time within which the project should commence) from the date hereof.
2. The Director-General shall be notified of any transfer/variation/surrender of this licence.

P.T.O.



1.0 General Conditions

- 1.1 This project is for the Clinker manufacturing plant and limestone quarries on plot L.R. No. Kajiado/Kaputiei/South/2637, 2639, 2641, 2647 and LTK/Mbirikani/325 Marrueshi, Kajiado.
- 1.2 The license shall be valid for 24 months from the date of issue.
- 1.3 Without prejudice to the other conditions of this license, the proponent shall implement and maintain an environmental management system, organizational structure and allocate resources that are sufficient to achieve compliance with the requirements and conditions of this license.
- 1.4 The Authority shall take appropriate action against the proponent in the event of breach of any of the conditions stated herein or any contravention to the Environmental Management and Coordination Act, 1999 and regulations therein.
- 1.5 This license shall not be taken as statutory defence against charges of environmental degradation or pollution in respect of any manner of degradation/pollution not specified herein.
- 1.6 The proponent shall ensure that records on conditions of licenses/approval and project monitoring and evaluation shall be kept on the project site for inspection by NEMA's Environmental Inspectors.
- 1.7 The proponent shall submit an Environmental Audit report in the first year of occupation/operations/commissioning to confirm the efficacy and adequacy of the Environmental Management Plan.
- 1.8 The proponent shall comply with NEMA's improvement orders throughout the project cycle.
- 1.9 The proponent shall provide the final project accounts (final project costs) on completion of construction phase. This should be done prior to project commissioning/operation/occupation.

2.0 Quarrying and Construction Conditions

- 2.1 The proponent shall ensure that no quarrying is done within 50m of any house irrespective of any prior consent from the owner
- 2.2 The proponent shall ensure that progressive quarry rehabilitation is done as soon as quarries activities have been completed on any quarry.
- 2.3 The proponent shall put up a project signboard as per the Ministry of Public Works standards showing the NEMA EIA license number among other details.
- 2.4 The proponent shall ensure strict adherence to the land use zones as indicated in the wildlife integration plan.
- 2.5 The proponent shall install warning signs of appropriate size and language at all quarry entries

- 2.6 The proponent shall ensure strict adherence to the Mining Act and other relevant legislation in relation to quarrying
- 2.7 The proponent shall ensure that all excavated material and debris is collected, re-used and where need be, disposed off as per the Environmental Management and Coordination (Waste Management) Regulations of 2006.
- 2.8 The proponent shall plant native species of trees to increase the biodiversity and land cover of the area which shall also reduce soil erosion.
- 2.9 The proponent shall work closely with KWS to ensure compliance with the wildlife Management (integration) plan attached to the report
- 2.10 The proponent shall ensure that no blasting is done on site without requisite approval from mines and geology department and a notification done to NEMA and the neighbours.
- 2.11 The proponent shall ensure strict adherence to the provisions of Environmental Management and Coordination (Noise and Excessive Vibrations Pollution Control) Regulations of 2009.
- 2.12 The proponent shall ensure strict adherence to the Occupational Safety and Health Act (OSHA), 2007.
- 2.13 The proponent shall ensure that workers at the quarries and clinker plant are provided with adequate personal protection equipment (PPE), sanitary facilities as well as adequate training.
- 2.14 The proponent shall ensure that quarrying activities are undertaken during the day (and not at night) between 08.00 hrs and 17.00 hrs; and that transportation of construction material to site are undertaken during weekdays (and not weekends) off peak hours.
- 2.15 The proponent shall ensure strict adherence to the Environmental Management Plan developed throughout the project cycle.
- 2.16 The proponent shall ensure that the development adheres to zoning specifications issued for development of such a project within the jurisdiction of County Council of Kajiado with emphasis on approved land use for the area.
- 3.0 **Operational Conditions**
- 3.1 The proponent shall conform to acceptable air pollution emission standards from the clinker manufacturing plant.
- 3.2 The proponent shall ensure safety of the quarry by engaging a trained personnel to be incharge of health and safety within the quarry
- 3.3 The proponent shall ensure quarry faces/cliffs are securely fenced
- 3.4 The proponent shall ensure there are no undercutting or tunnelling in the quarry
- 3.5 The proponent shall ensure that all waste water is disposed as per the standards set out in the Environmental Management and Coordination (Water Quality) Regulations of 2006.

- 3.6 The proponent shall ensure that appropriate and functional efficient air pollution control mechanisms are installed in the facility to control all air emissions.
- 3.7 The proponent shall ensure that all equipment used are well maintained in accordance with the Environmental Management and Coordination (Noise and Excessive Vibration Pollution Control) Regulations of 2009.
- 3.8 The proponent shall ensure that all solid waste is handled in accordance with the Environmental Management and Coordination (Waste Management) Regulations of 2006.
- 3.9 The proponent shall ensure that all workers are well protected and trained as per the Occupational Safety and Health Act (OSHA) of 2007.
- 3.10 The proponent shall comply with the relevant principal laws, by-laws and guidelines issued for development of such a project within the jurisdiction of County Council of Kajiado, Ministry of Energy, Mines and Geology Department, Kenya Wildlife Service, Ministry of Lands, Water Resources Management Authority and relevant Local Authorities.
- 3.11 The proponent shall ensure that environmental protection facilities or measures to prevent pollution and ecological deterioration such as securing of the quarry sites, rehabilitation and restoration of quarry sites, traffic management plan, emergency response plans, energy and water saving fixtures waste minimization options, dust control mechanisms are designed, constructed and employed simultaneously with the proposed project.

4.0 Notification Conditions

- 4.1 The proponent shall seek written approval from the Authority for any operational changes under this license.
- 4.2 The proponent shall ensure that the Authority is notified of any malfunction of any system within 12 hours on the NEMA hotline No. **020 6006041** and mitigation measures put in place.
- 4.3 The proponent shall keep records of all pollution incidences and notify the Authority within 24 hours.
- 4.4 The proponent shall notify the Authority in writing of its intent to decommission the facility **three (3) months** in advance.

5.0 Decommissioning Conditions

- 5.1 The proponent shall ensure that a decommissioning plan is submitted to the Authority for approval at least three (3) months prior to decommissioning.
- 5.2 The proponent shall ensure that all pollutants and polluted material is contained and adequate mitigation measures provided during the phase.

The above conditions will ensure environmentally sustainable development and must be complied with.