



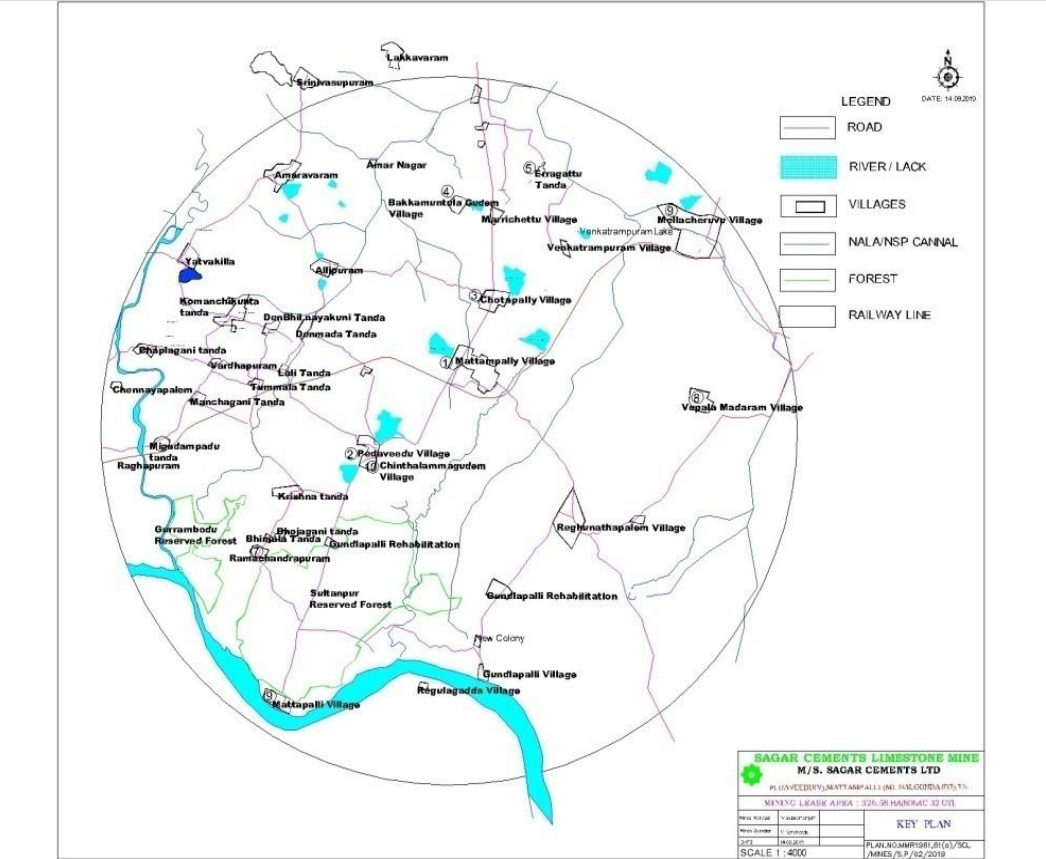
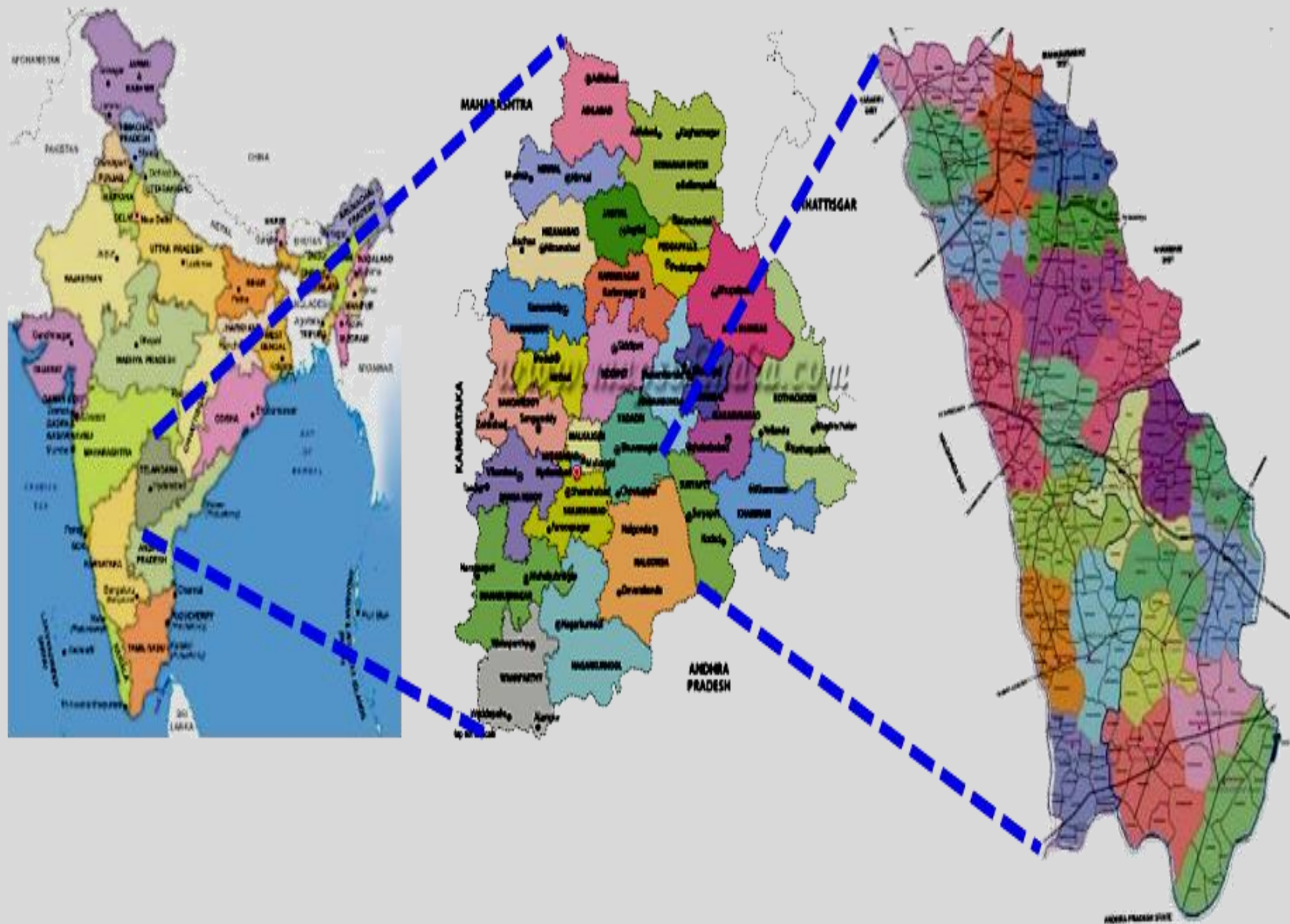
SAGAR CEMENTS LIMESTONE MINE OF SAGAR CEMENTS LIMITED,

Sustainable Development Framework (SDF)
and CSR Initiatives for the year 2018–19

SAGAR CEMENTS LIMITED PLANT VIEW



Geographic Location of SAGAR CEMENTS LIMITED



Closest Airport	Vijayawada	146 KM
	Hyderabad	219 KM
Closest Seaport	Kakinada	211 KM
	Vishakhapatnam	475 KM
	Gangavaram	484 KM
	Krishnapatnam	324 KM
Closest Highway	Hyderabad-Vijayawada Highway	33 KM

Sl.No.	Name of the Villages fall under 10 KM Radius	Male Population	Female Population	Total
1	Mattampally	3722	3838	7560
	Pedaveedu	4069	4015	8084
3	Coutapally	2841	2723	5564
4	Bakkamanthula Gudem	1335	1247	2582
5	Erragattu Thanda -Hamlet village of Bakkmatulagudem Grampanchyathi	0	0	0
6	Ramachandrapuram Thanda	1854	1287	3141
7	Raghunathapalem	2826	2806	5632
8	Vepalamadhavaram	1599	1047	2646
9	Mattapally	1972	1881	3853
10	Chinthalammagudem - Hamlet of Pedaveedu Gramapanchyathi	0	0	0
11	Mellacheruvu	3275	1950	5225

About SAGAR CEMENTS LIMITED.....

Sagar cements Ltd., was promoted by a group of technocrats headed by Shri O Swamy Natha Reddy, Chairman, Shri S Anand Reddy, Managing Director, Shri S Sreekanth Reddy, Joint Managing Director.

Sagar Cements Ltd., is located in Suryapet district of Telangana State, the company manufacturing various types of Cement like Ordinary Portland Cement of 53 grade, 43 grade, Portland Pozzalona Cement (PPC) and Sulphate Resistance Cement (SRC) to suit different needs of customers and all these products are being sold under the brand name “SAGAR CEMENTS” which has already become popular in Telangana & Andhra Pradesh and in the neighboring states as well.

The company has started its operation with a cement capacity of 66,000 TPA in 1985 has gradually increased it to the level of 3.0 MTPA Clinker production capacity.

- Cement & Coal Testing Laboratory is Accredited to ISO/IEC 17025 by NABL since Jun-2015.
- Accreditation brings enhanced competency in testing, raises customer confidence in MTC issued by the laboratory with universal acceptability in the open market which provides greater access for the products.

 National Accreditation Board for Testing and Calibration Laboratories (A Constituent Board of Quality Council of India)				
SCOPE OF ACCREDITATION				
Laboratory		Sagar Cements Limited, Mattampally (Village & Mandal), Huzurnagar (Tq.), Dist. Nalgonda, Telangana		
Accreditation Standard		ISO/IEC 17025: 2005		
Certificate Number		TC-6022 (in lieu of T-3466, T-3467)		Page 2 of 2
Validity		08.06.2017 to 07.06.2019		Last Amended on 14.07.2017
Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
MECHANICAL TESTING				
I.	BUILDING MATERIALS			
1.	Cement , [OPC 43, OPC53, PPC & SRPC (Sulphate Resisting Portland Cement)]	Fineness	IS 4031 (Part-2)- 1999 (RA 2013)	200 m ² /kg to 450 m ² /kg
Normal Consistency		IS 4031 (Part-4)- 1988 (RA 2014)	25 % to 40 %	
Initial Setting Time		IS 4031 (Part-5)- 1988 (RA 2014)	20 minutes to 500 minutes	
Final Setting Time			150 minutes to 600 minutes	
Compressive strength		IS 4031 (Part-6)- 1988 (RA 2014)	10.0 MPa to 70.0 MPa	
	Le-Chatelier Expansion	IS 4031 (Part-3)- 1988 (RA 2014)	0.5 mm to 30 mm	
	Autoclave Expansion		0.01% to 0.8 %	
CHEMICAL TESTING				
I.	BUILDING MATERIALS			
1.	Cement , [OPC 43, OPC53, PPC & SRPC (Sulphate Resisting Portland Cement)]	LOI	IS 4032-1985 (RA 2014) clause: 4.2	0.5% to 5.0%
SiO ₂		IS 4032-1985 (RA 2014) clause: 4.3	15.0 % to 40.0%	
Al ₂ O ₃		IS 4032-1985 (RA 2014) clause: 4.6.2	2.0 % to 8.0%	
Fe ₂ O ₃		IS 4032-1985 (RA 2014) clause: 4.5.2	2.5 % to 7.0%	
CaO		IS 4032-1985 (RA 2014) clause: 4.7.2	35.0 % to 68.0%	
MgO		IS 4032-1985 (RA 2014) clause: 4.8.2 & 7.2	0.5 % to 8.0%	
SO ₃		IS 4032-1985 (RA 2014) clause: 4.9	1.0 % to 4.0%	
IR		IS 4032-1985 (RA 2014) clause: 4.0	0.3 % to 35.0%	
II.		SOLID FUELS		
1.	Coal	Total Moisture	IS 1350 (Part-1)-1984 (RA 2013) clause: 6.4	2% to 50%
Inherent Moisture		IS 1350 (Part-1)-1984 (RA 2013) clause: 6.3, 2.3	0.5% to 20%	
Volatile Matter		IS 1350 (Part-1)-1984 (RA 2013) clause: 7.0	5% to 50%	
Ash		IS 1350 (Part-1)-1984 (RA 2013) clause: 8.0	2% to 70%	
Gross calorific value		IS 1350 Part-2-1970 (RA 2015) clause: 5.4	2000 Cal/g to 7000 Cal/g	


Sangeeta Negi
 Convenor


N. Venkateswaran
 Program Director

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 Convenor


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 Program Director

INTEGRATED MANAGEMENT SYSTEM (IMS) CERTIFICATION DETAILS

Sagar Cements Ltd., Mattampally unit is IMS certified since 13th June 2014 includes;

- Quality Management System : ISO 9001- 2015
- Environmental Management System : ISO 14001 - 2015
- Occupational Health & Safety : OHSAS 18001 – 2007

IMS allows the management team to create one system that can help to effectively and efficiently deliver organizational goals.



Particulars	Mine – 1
Name of the Mine	SCL Mine – 1
Mine Opening Date (Initial)	18.08.1984
Extent	326.58 Ha
Lease Validity	17.08.2034
Category of Lands	Govt. & Patta Lands
Location (Geo Co Ordinates)	79° 50’ 21.6” – 79° 52’ 23.3”
Topo sheet No	56 P/13&14 on 1: 50000 Scale
Type of Mining	Conventional Open Cast (Mechanized) by deploying Heavy Earth Moving Machinery
Strike & Dip of the Deposit	NE & SW & Dip 3 – 5° towards SE direction.
Environmental Monitoring	Monitoring of Env. Parameters on Quarterly basis is in practice
Number of Benches	03
Reserves as on (1.4.2019)	73.284 – Mill. Tons
111 Category	67.305 Million Tons
122 Category	5.979 Million Tons
Production during (2018–19)	21,68,500 Tons
Quarry Length (North–South)	1860 m
Quarry Width (East–West)	520 m
Area Excavated	108.36 Hectares

Particulars	Details
Geology	
Dip	03° – 05°
Strike	NE – SW
Lithology	
Light grey (CaO %)	40 – 42
Grey (CaO %)	45 – 49
Green (CaO %)	43 – 45
Purple (CaO %)	38 – 40
No of working shifts	02
“A” Shift (Production)	05.00 AM to 01.00 PM
“G” Shift (Maintenance)	08.00 AM to 05.00 PM
“B” Shift (Production)	12.30 PM to 08.30 PM



Details of Production and Man Power

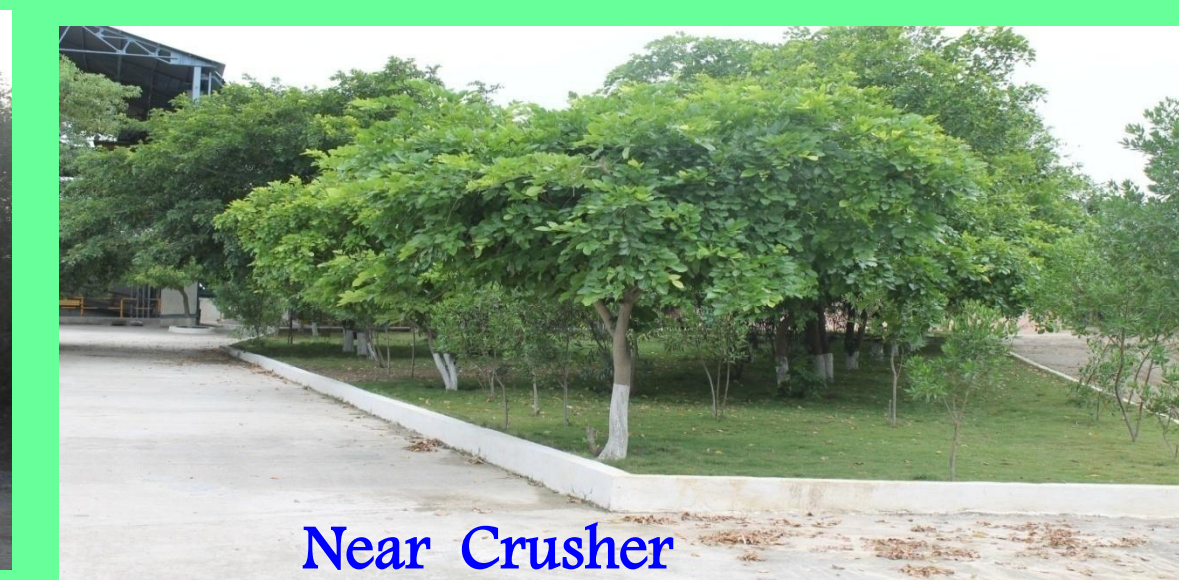
S.No	Description	Sagar Cements Limestone Mine-1	Sagar Cements Limestone Mine-2
1	Name of The Agent	Shri. D.S.N.V PRASAD	Shri. D.S.N.V PRASAD
2	Name of The Manager	Shri. V.Subramanyam	Shri. V.V.Krishna Reddy
3	Man Power	Direct-33, Contractual-52	Direct-18, Contractual-16
4	Hours of Work	“A’ shift (5.30 AM to 01.00 PM), “B’ shift (12.30 PM to 08.30 PM) General Shift (8.00 AM – 5.00 PM)	“A’ shift (6.00 AM to 2:00 PM)
5	LIN	1-6521-9501-8	1-4146-3036-9
6	Mine Code	360038	360502
7	Type of Mine	Mechanized Open Cast	Mechanized Open Cast
8	Mineral	Lime Stone	Lime Stone
9	Production/day (MT)	10000	1000
10	Name of Contractor	Sri K. Chowder Reddy&Co	Sri Padmavathi Venkateswara Transport

Total Lease area (Ha)	326.58
Break Up area (Ha)	
Forest Land (Ha)	Nil
Private Land (Ha)	130.036 Ha.
Revenue Land(Ha)	196.27 Ha.
Others, if any	Nil



Plantation along the Mines haul road

View of Afforestation Within Mining Lease Area



Afforestation Contdd... Avenue Plantation & Authetic beauty within ML Area



Nursery being maitained by Sagar cements Limited



Park & Green Belt Development Near Temple in the colony



Afforestation Within Mining Lease area

Acquired area in Ha	
Area under afforestation(in Ha) During 2018-19 Cumulative Upto 2018-19	1.250 Ha 90.270 Ha.
Number of trees planted During 2018-19 Cumulative Upto 2018-19	2500 Trees 212396 Trees
Number of Plants per Ha	More than 2000 plants per
House keeping including display of Plantation details	Good & Details of plantation were displayed at all the plantation locations.
Type of plant species	Nemalinara, Subabul, Dubai, etc.
Avenue Plantation	About 2 Ha. of area covered with avenue plantation.
Survival Rate	WML area - 86% OML - 82%
Maintenance of nursery/Procurement of Saplings	Maintaining Nursery at plant premises.
Aftercare of saplings planted	Good



Afforestation Outside Mining Lease

Acquire area in Ha	
Area under afforestation(in Ha) During 2018-19	0.280 Ha.
Cumulative Upto 2018-19	129.878 Ha
Number of trees planted During 2018-19	58 Trees
Cumulative Upto 2017-18	3,28,384 Trees
Number of Plants per Ha	More than 2000 Per/Ha
House keeping including display of Plantation details	Good & Details of plantation were displayed at all the location
Type of plant species	Nemalinara,Kanuga,Dubai,Subabul
Avenue Plantation	About 20 Ha. of area covered with avenue plantation
Survival Rate	82%
Maintenance of nursery/Procurement of Saplings	Maintaining Nursery at plant premises
Aftercare of saplings planted	Good.



Plantation near mines E-side within MLB area



Plantation on 7.5m MLB Safety Barrier area

Thickness of top soil	0.5 to 5 mtrs.
Collection and storage During 2018-19	Nil
Cumulative Upto 2018-19	315382 Cu.Mtrs
Utilization During 2018-19	35700 Cu.mtrs
Cumulative Upto 2018-19	315382 Cu.Mtrs



BC Soil Temporary Stock Yard

a) Proper design and Maintenance of waste dumps Terraces, dump slopes, drainage channel on Terraces, berms etc

Waste Dump being maintained as per the statutory provisions.

b) Building & maintenance of check dams, Retention wall, pack wall, garland drains, Gully plugs, silt tank etc.

Being maintained as per the proposals made in the approved SOM.

c) Growing of grass, suitable plants on the Inactive dumps with or without geo-textile/ Coir matting

No inactive dumps present.





Top View of Limestone Waste/OB Dump



Garland Drain



Check Dams



Aloevera Plantation on Dump Slopes

Silt Settling Tank constructed across the Garland Drain



S.No	Description	Make	Capacity	Nos	Remarks
1	PC-1250 Shovel (Front End)	Komatsu	6.5M ³	1	Mine-1
2	EC-950 Shovel (back Hoe)	Volvo	6.0 M ³	1	Mine-1
3	CAT-988 Loader	CAT	6.9 M ³	1	Mine-1
4	Dumpers	Komatsu	55 tons	5	Mine-1
5	Drill Machine	Epiroc and atlas copco	350 CFM and 300 CFM	4	Mine-1
6	Dozer	Komatsu	11.8 M ³	1	Mine-1
7	Soil Compactor	Escort	33Hz	1	Mine-1
8	Back hoe with Roc Breaker	Volvo	0.9M ³	1	Mine-1
9	Tippers	Bharat Benz	25 Tons	5	Mine-2
10	Back hoe Shovel	Tata Hitachi	0.9 M ³	1	Mine-2

Provided A/C Cabin to all the machinery

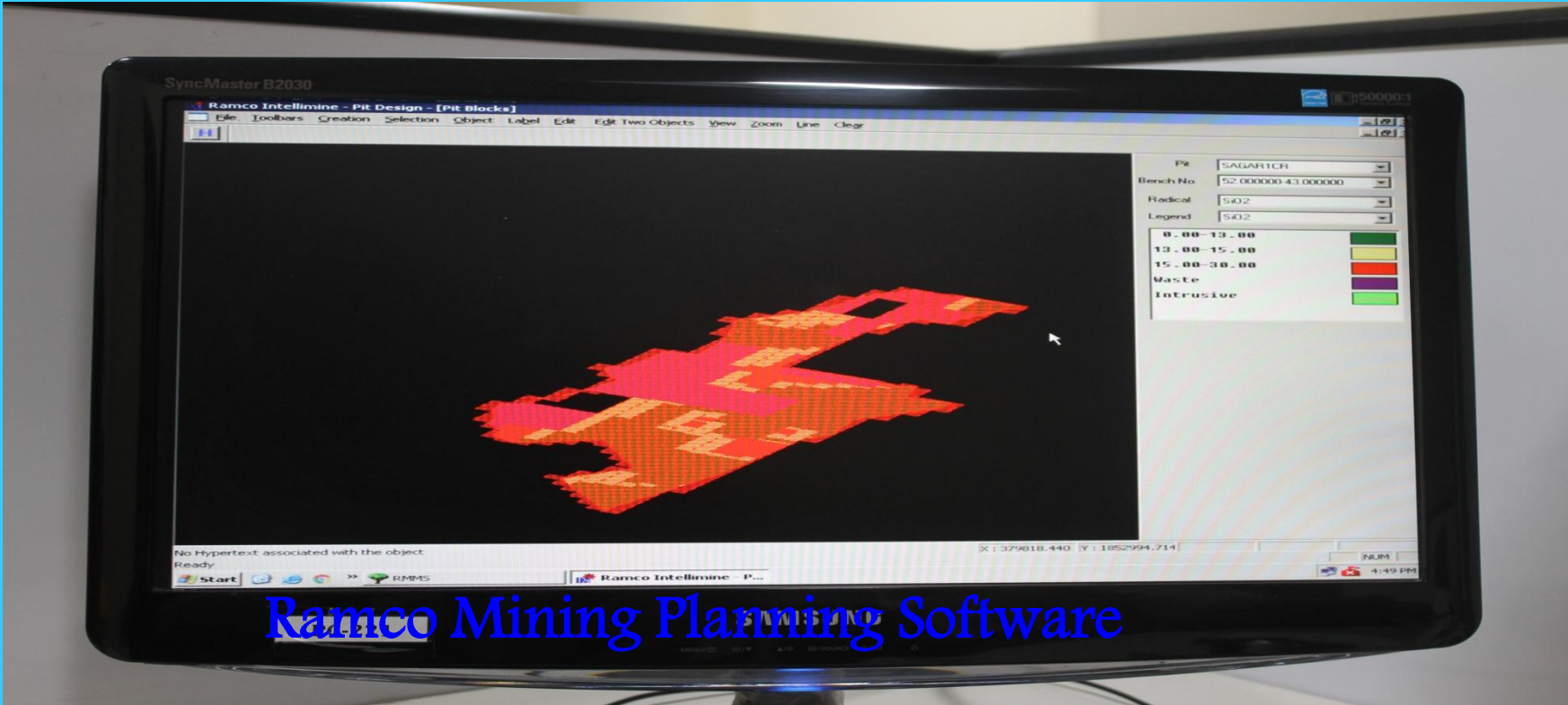




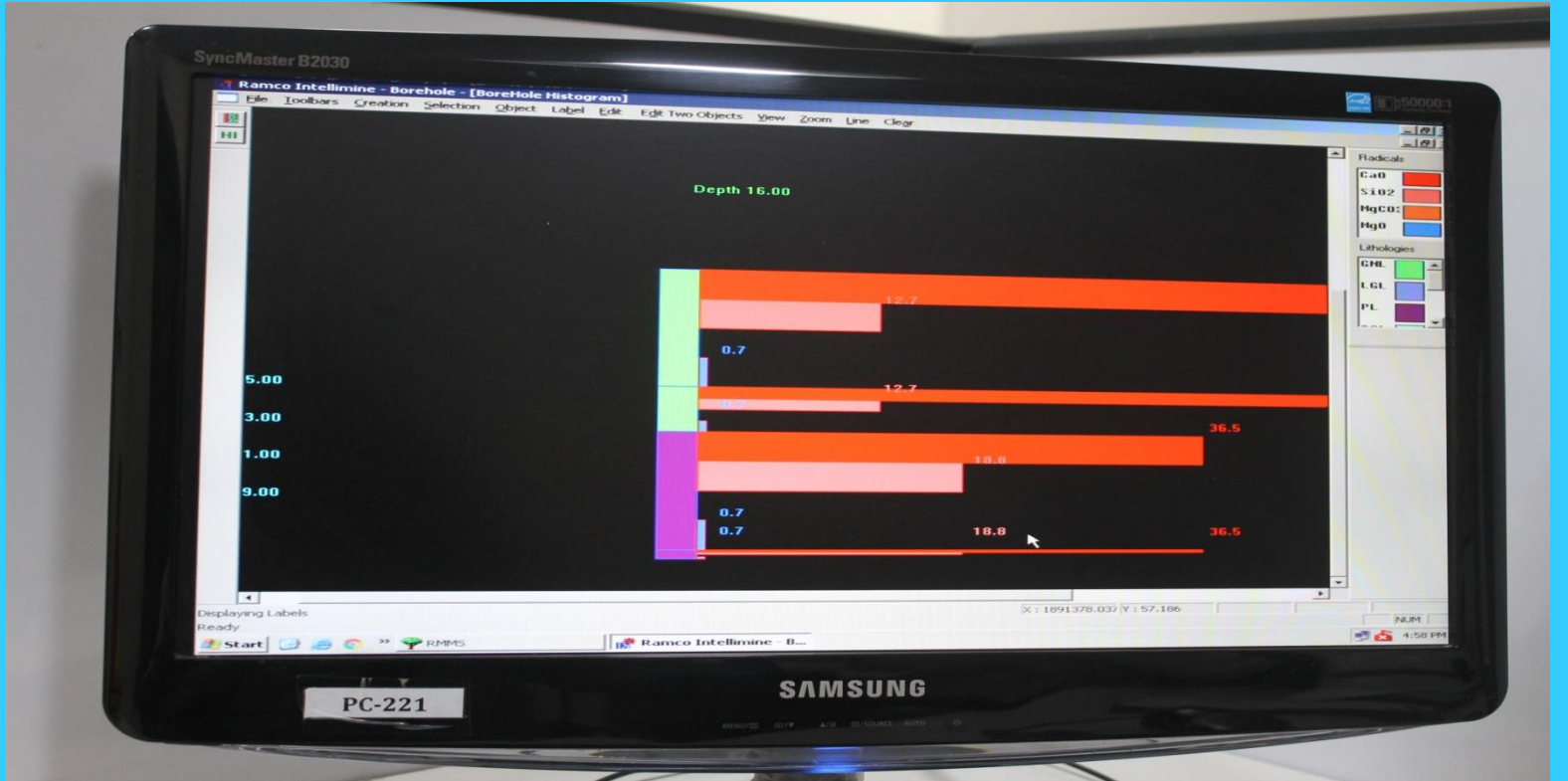
Core Drilling Machine CDR 100



Water Sprinkling on Haul Roads



Ramco Mining Planning Software





Systematic benches

17 02 2014



Grease Trap Point



Humus preparation pit & application to plants



Mini Mate for Vibration Monitoring

Ambient Air Quality Monitoring :- AAQ is being monitored by M/s. Lawn Environ Associates, Hyderabad at 10 locations of core and buffer zones of ML area once in a quarter as proposed in the approved SOM . all the values are well within the permissible Limit.

LAWN

ENVIRONMENTAL MONITORING

ISO 9001, 14001 & 45001
CERTIFIED COMPANY

LAWN ENVIRO ASSOCIATES
[Engineers & Consultants in Pollution Control]
Recognised by Ministry of Environment Forest & Climate Change (MoEF & CC), GOI, New Delhi
& Laboratory Accredited by NABL

TEST REPORT

REF.NO: LAWN/SCL-M/2019Date: 30-3-2019

AMBIENT AIR QUALITY DATA - CORE ZONE

Name of the Industry & Address

M/s. SAGAR CEMENTS LIMITED, (MINES)
Mattampally (Post & Mandal),
Suryapet - (Dist).

Location	Near Drilling	Near Loading	LIMIT	PROTOCOL
1. Date of sampling	20-3-2019	20-3-2019	--	--
2. Total time of monitoring	24 hr	24 hr	--	--
3. Average flow rate (cum/min)	1.05	1.13	--	--
4. Particulate matter concentration (µg/m³) -PM ₁₀	61	69	<100	IS-5182 (Part-23)
5. Particulate matter concentration (µg/m³) -PM _{2.5}	20	27	<60	NAAQMS/ 36/2012-13
6. Sulphur dioxide(SO ₂) Concentration (µg/m³)	11	13	<80	IS-5182 (Part-2)
7. Nitrogen dioxide(NO ₂) Concentration (µg/m³)	22	18	<80	IS-5182 (Part-6)
8. CO, Concentration (ppm)	<1	<1	<2	IS-5182 (Part-10)

SAGAR CEMENTS LTD.

MATTAMPALLY

AUTHORISED SIGNATORY

1. RESPIRABLE DUST SAMPLER MODEL /SL.NO. RDS 9000 / 040506
2. RESPIRABLE DUST SAMPLER MODEL /SL.NO. RDS 9000 / 040507

Head Office : "LAWN HOUSE", #184-C, Vengalrao Nagar, Hyderabad - 500 038. (T.S.) INDIA. Tel : 040-66730925, 66730926, Fax : 040-66730926
Branch Office : MIG-119, D.No.31-58-150, VUDA Phase-7, Dwaraka Puri Colony, Kurmannapalem, Visakhapatnam - 530046. (A.P) Tel : +91-9030029925
E-mail : lawnenviro@yahoo.co.in, Website : www.lawnenviro.com

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TEST REPORT

REF.NO: LAWN/SCL-M/2019Date: 30-3-2019

AMBIENT AIR QUALITY DATA - CORE ZONE

Name of the Industry & Address

M/s. SAGAR CEMENTS LIMITED, (MINE-1)
Mattampally (Post & Mandal),
Suryapet - (Dist).

Location	Near Conveyor Transfer Point - 1	Near Conveyor Transfer Point - 2	LIMIT	PROTOCOL
1. Date of sampling	20-3-2019	20-3-2019	--	--
2. Total time of monitoring	24 hr	24 hr	--	--
3. Average flow rate (cum/min)	1.05	1.09	--	--
4. Particulate matter concentration (µg/m³) -PM ₁₀	69	64	<100	IS-5182 (Part-23)
5. Particulate matter concentration (µg/m³) -PM _{2.5}	25	23	<60	NAAQMS/ 36/2012-13
6. Sulphur dioxide(SO ₂) Concentration (µg/m³)	09	13	<80	IS-5182 (Part-2)
7. Nitrogen dioxide(NO ₂) Concentration (µg/m³)	20	22	<80	IS-5182 (Part-6)

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REF.NO: LAWN/SCL-M/2019Date: 30-3-2019

AMBIENT AIR QUALITY DATA - BUFFER ZONE

Name of the Industry & Address

M/s. SAGAR CEMENTS (MINES)
Mattampally (Post & Mandal),
Suryapet - (Dist).

Location	Mattampally Village	Pedaveedu Village	LIMIT	PROTOCOL
1. Date of sampling	21-3-2019	21-3-2019	--	--
2. Total time of monitoring	24 hr	24 hr	--	--
3. Average flow rate (cum/min)	1.09	1.14	--	--
4. particulate matter concentration (µg/m³) -PM ₁₀	55	64	<100	IS-5182 (Part-23)
5. particulate matter concentration (µg/m³) -PM _{2.5}	18	22	<60	NAAQMS/ 36/2012-13
6. Sulphur dioxide(SO ₂) Concentration (µg/m³)	12	08	<80	IS-5182 (Part-2)
7. Nitrogen dioxide(NO ₂) Concentration (µg/m³)	19	23	<80	IS-5182 (Part-6)
8. CO, Concentration (ppm)	<1	<1	<2	IS-5182 (Part-10)

SAGAR CEMENTS LTD.


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E-mail : lawnenviro@yahoo.co.in, Website : www.lawnenviro.com

Surface Water Quality & Ground Water Quality:- Water Quality is being monitored by M/s. Lawn Environ Associates, Hyderabad at 3 locations with in the ML area and all the values are well with in the permissible Limits.



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CERTIFIED COMPANY

TEST REPORT

REF.NO: LAWN/SCL-M/2019

Date: 30-3-2019


WATER ANALYSIS

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED, (MINES),
Mattampally (Post & Mandal),
Suryapet - (Dist).**

Sample Particular : Drinking Water
Date of Collection : 21-3-2019
Date of Analysis : 22-3-2019
PROTOCOL : A.P.H.A

		As per IS:10500 - 2012	
		Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate source
1. pH	: 7.58	6.50 - 8.50	No relaxation
2. Colour (Hazen)	: <5	5max	15max
3. Temperature °C	: 32	--	--
4. E.C (micromhos/cm)	: 317	--	--
5. Turbidity (NTU)	: Nil	01 max	05 max
6. Total dissolved solids	: 184	500 max	2000 max
7. Phenolphthalein alkalinity as CaCO ₃	: Nil	--	--
8. Methyl orange alkalinity as CaCO ₃	: 113	--	--
9. Total hardness as CaCO ₃	: 37	200 max	600 max
10. Calcium as Ca	: 11	75 max	200 max
11. Magnesium as Mg	: 2.75	30 max	100 max
12. Sodium as Na	: 54	--	--
13. Potassium as K	: 2.81	--	--
14. Chloride as Cl	: 24	250 max	1000 max
15. Sulphate as SO ₄	: 8.03	200 max	400 max
16. Nitrates as NO ₃	: 2.90	45 max	No relaxation
17. Iron as Fe	: 0.11	0.3 max	No relaxation
18. Fluorides as F	: 0.26	1.0 max	1.5 max
19. Total Coliform, MPN/10ml	: Absent	Absent	--
20. Chemical oxygen demand	: Nil	--	--
21. Biochemical oxygen demand (3 days at 27 °C)	: Nil	--	--

Note: All the values except pH & E.C. are expressed in mg/L.




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Branch Office : MIG-119, D.No.31-58-150, VUDA Phase-7, Dwaraka Puri Colony, Kurmannapalem, Visakhapatnam - 530046. (A.P) Tel : +91-9030029925

E-mail : lawnenviro@yahoo.co.in, Website : www.lawnenviro.com



LAWN ENVIRO ASSOCIATES
[Engineers & Consultants in Pollution Control]
Recognised by Ministry of Environment Forest & Climate Change (MoEF & CC), GOI, New Delhi
& Laboratory Accredited by NABL

ISO 9001, 14001 & 45001
CERTIFIED COMPANY

TEST REPORT

REF.NO: LAWN/SCL-M/2019

Date: 30-3-2019


WATER ANALYSIS

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED, (MINES)
Mattampally (Post & Mandal),
Suryapet - (Dist).**

Sample Particulars : Mine Discharge Water (Sump Water)
Date of Collection : 21-3-2019
Date of Analysis : 22-3-2019
PROTOCOL : A.P.H.A

LIMITS		
1. pH	: 7.38	5.5 - 9.0
2. Total Suspended Solids	: 26	< 100
3. Oil & Grease	: Traces	< 10
4. Iron	: 0.23	< 3.0
5. Fluoride	: 0.75	< 1.5

Note: 1) All the values except pH are expressed in mg/ L.
2) All the values are within the limits prescribed by IBM.




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TEST REPORT

REF.NO: LAWN/SCL-M/2019

Date: 30-3-2019


WATER ANALYSIS

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED, (MINE-1)
Mattampally (Post & Mandal),
Suryapet - (Dist).**

Sample Particular : Near Nalla Exit MLB
Date of Collection : 21-3-2019
Date of Analysis : 22-3-2019
PROTOCOL : A.P.H.A

1. pH	: 7.44
2. EC (Micro Siemens /cm)	: 856
3. Turbidity (NTU)	: 0.50
4. Total Dissolved solids	: 503
5. Phenolphthalein alkalinity as CaCO ₃	: Nil
6. Methyl orange alkalinity as CaCO ₃	: 140
7. Total Alkalinity as CaCO ₃	: 140
8. Total hardness as CaCO ₃	: 195
9. Calcium as Ca	: 63
10. Magnesium as Mg	: 9.13
11. Sodium as Na	: 98
12. Potassium as K	: 2.50
13. Iron as Fe	: 0.24
14. Chloride as Cl	: 156
15. Sulphates as SO ₄	: 47
16. Nitrates as NO ₃	: 18
17. Fluorides as F	: 0.73

Note: All the values except pH & E.C. are expressed in mg/L.



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E-mail : lawnenviro@yahoo.co.in, Website : www.lawnenviro.com

Environmental Monitoring Contd...

Noise Level Monitoring Details:- Noise Levels Monitoring is being conducted by M/s. Lawn Environ Associates, Hyderabad, at 11 Mining Locations once in a quareter and Noise Levels are within the permissible limits.



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CERTIFIED COMPANY

TEST REPORT


REF.NO: LAWN/SCL-M/2019 Date: 30-3-2019

NOISE QUALITY DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED, (MINE-1)**
Mattampally (Post & Mandal),
Suryapet - (Dist).


Location	Levels in dB (A) - Leq	
	Day time	Night time
1. Near Shovel Working	82.50	77.90
2. Near Drill Working	85.10	80.90
3. Inside Tipper Cabin	79.50	73.40
4. Near Crusher Hopper	77.40	72.30
5. Near Haulage Road	79.30	74.60
6. Near Dumping	78.40	73.40
7. Near Drilling	81.90	77.50
8. Near Loading	84.60	79.10

Note: 1. Noise levels monitoring conducted on 20-3-2019.
Instrument make - Lutron SL - 4001 /G-49271(Made in Taiwan)
2. The noise Pollution (Regulation and Control) Rules,2000
Schedule, Rule3(1) and 4(1), Section 7 -(IX) factories act. - Limit < 90 dB (A).



[Signature]
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TEST REPORT


REF.NO: LAWN/SCL-M/2019 Date: 30-3-2019

AMBIENT NOISE LEVELS DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED, (MINE-1)**
Mattampally (Post & Mandal),
Suryapet - (Dist).


Location	Levels in dB (A) - Leq	
	Day time	Night time
1. North – East side of boundary	62	57
2. South – West side of boundary	65	60

Note: 1. Noise levels monitoring conducted on 20-3-2019.
Instrument make - Lutron SL - 4001 /G-49271(Made in Taiwan)
2. Day time is reckoned in between 6.0 am and 10.0 pm., Limit <75 dB (A)
3. Night time is reckoned in between 10.0 pm and 6.0 am – Limit <70 dB (A).



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TEST REPORT


REF.NO: LAWN/SCL-M/2019 Date: 30-3-2019

AMBIENT NOISE LEVELS DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED, (MINE-1)**
Mattampally (Post & Mandal),
Suryapet - (Dist).

Location	Levels in dB (A) - Leq	
	Day time	Night time
SE ML Boundary	61	56

Note: 1. Noise levels monitoring conducted on 20-3-2019.
Instrument make - Lutron SL - 4001 /G-49271(Made in Taiwan)
2. Day time is reckoned in between 6.0 am and 10.0 pm., Limit <75 dB (A)
3. Night time is reckoned in between 10.0 pm and 6.0 am – Limit <70 dB (A).



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Ground vibration & Free Silica:– Ground Vibration Monitoring is being done by Sagar Cements Limited for each blsting with the Mini Mate Instrument all the Vibration levels recorded are well with in the permissible limits of statutory guidelines. Air Borne dust and free silica analysis report is being monitored once in a year at 5 locations and silica levels are within the permissible limits.

SUMS TECHNO LABS PVT LTD
[Analytical & Environment]
NABL ACCREDITED LABORATORY Cert. No- TC-6224
MOEF RECOGNISED LABORATORY

REPORT ON AIR BORNE DUST &FREE SILICA ANALYSIS
[Personal Dust Sampler]

1. Name of the Mine

2. Name of the Company

3. Sample Collected By

4. Date of Sample Collection

5. Particulars of Sample Collected

6. Date of Sample Receipt

7. Date of Analysis Taken

8. Duration of Sampling

9. Test Report Issued Date

Sagar Cements Limestone Mine-I.

M/s. Sagar Cements Ltd,

Mattampally (V &M), Suryapet (Dist),

Telangana.

SUMS Techno Labs Private Limited,

Hosapete.

19.09.2018 & 20.09.2018

Sidekick 51-Ex

Envirotech APM 800(Serial NO-1085) &

Envirotech APM 800(Serial NO-1086)

21.09.2018

22.09.2018

8 Hours.

25.09.2018

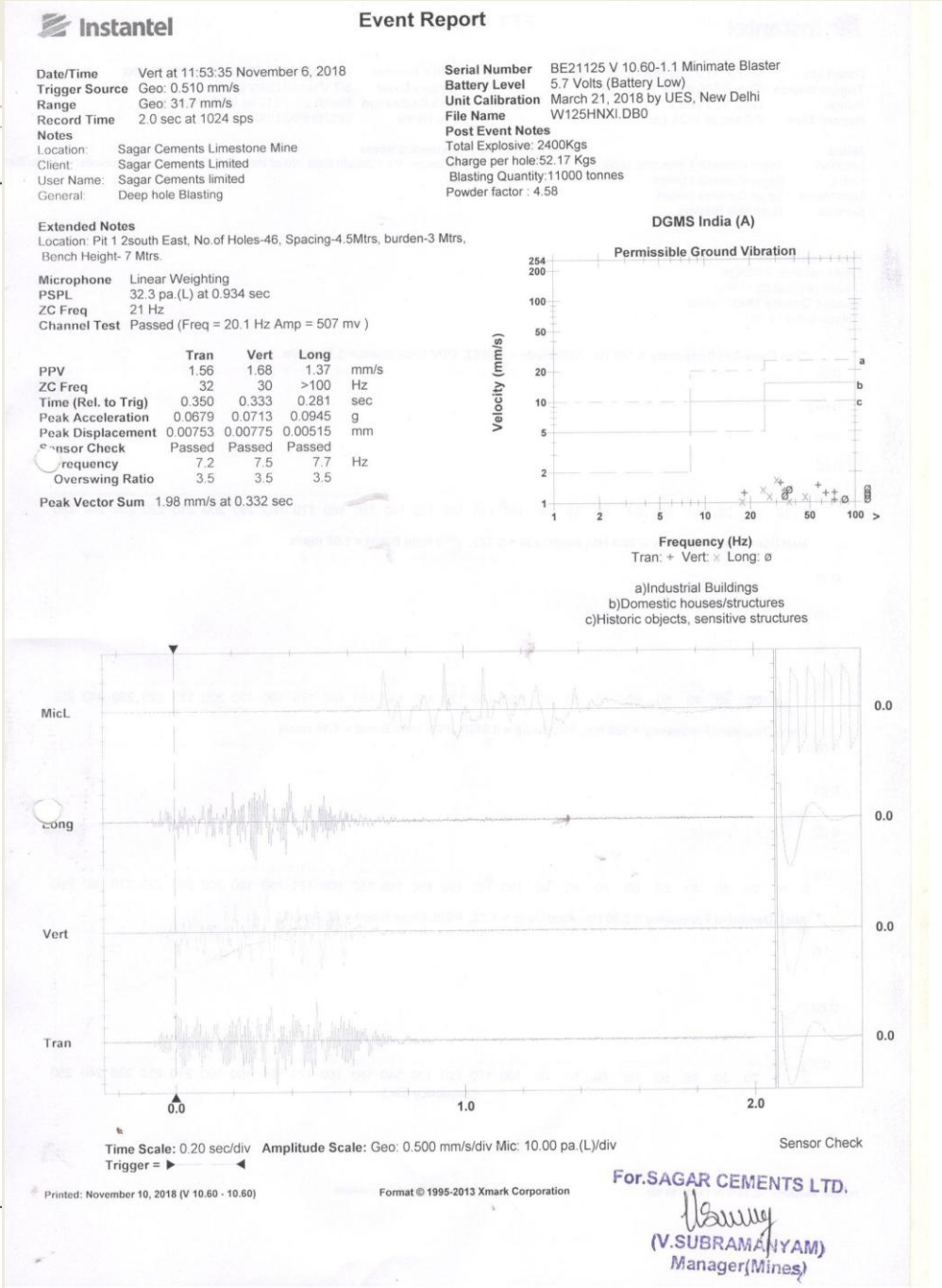
Sl No.	Sample Location	Details of Persons	Dust Concentration [mg/m³]	Dust Concentration Limits	Free Silica content [%]	Free Silica content Limits
1	Drilling	G.Anjaneyulu I.D.No.80003	2.19	3mg/m³	0.038	5%
		R.Ramesh I.D.No.80025	1.74		0.023	
2	Loading	D. Dhayakar Reddy I.D.No.10080	0.695		Not Detected	
3	Haul Road	N.Vijay Kumar I.D.No.80029	0.335		Not Detected	
4	Crusher	D.Prakasham I.D.No.10088	0.737		Not Detected	

ANALYSED BY
Name: E.Raghunatha Reddy
Designation: Senior Chemist

AUTHORISED SIGNATORY
Name: HM. Shivashankaraiah
Designation: Quality Manager

Head Office: 15-DP2, KIADB, Sankalapura Industrial Area, Ballari Road, Hosapete – 583201, Ballari District, Karnataka. Tel/Fax No. 08394-265084, Cell-+91 8884494244, 261, 242, 251, 239.
E-mail:sums.hpt@gmail.com, sumslaboratory@gmail.com, Website: www.sums.org.in

Branch Office : Maakrupa Apartment,2nd Floor,H.No-201,Near Baldwin School, Nagarabhavi Road, Kalyan Nagar, Bangalore-560072



Extended Notes

Location: Pit 1 2south East, No. of Holes-46, Spacing-4.5Mtrs, burden-3 Mtrs, Bench Height- 7 Mtrs.

Microphone

Linear Weighting

PSPL

ZC Freq

Channel Test

Passed (Freq = 20.1 Hz Amp = 507 mv)

PPV

ZC Freq

Time (Rel. to Trig)

Peak Acceleration

Peak Displacement

Frequency

Overswing Ratio

Peak Vector Sum

1.56

32

0.350

0.0679

0.00753

7.2

3.5

1.98 mm/s at 0.332 sec

1.68

30

0.333

0.0713

0.00775

7.5

3.5

1.37

>100

0.281

0.0945

0.00515

7.7

3.5

mm/s

Hz

sec

g

mm

Hz

254

100

50

20

10

5

2

1

Permissible Ground Vibration

DGMS India (A)

Velocity (mm/s)

Frequency (Hz)

Tran: + Vert: x Long: o

a)Industrial Buildings

b)Domestic houses/structures

c)Historic objects, sensitive structures

MicL

Long

Vert

Tran

Time Scale: 0.20 sec/div

Amplitude Scale: Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div

Sensor Check

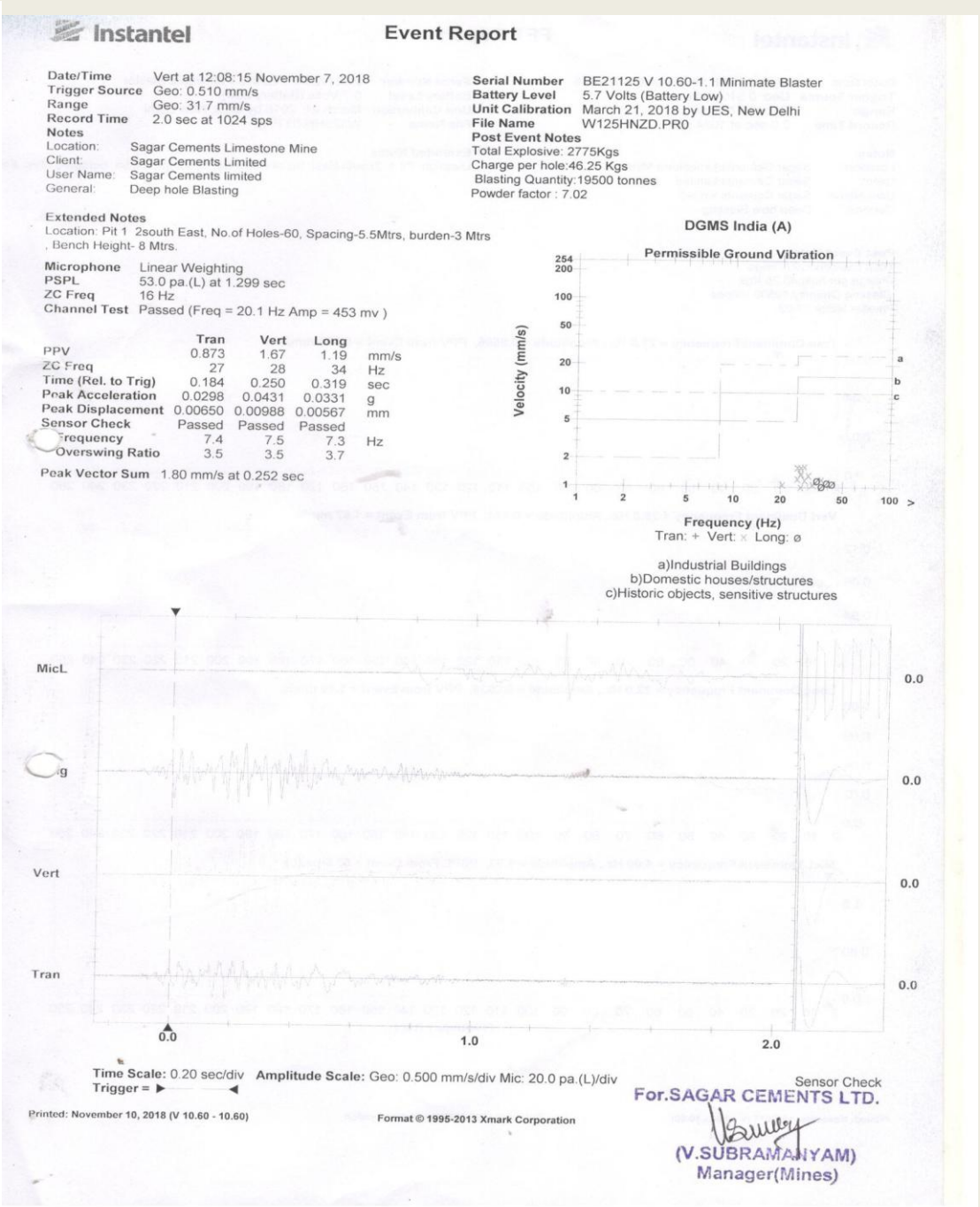
Printed: November 10, 2018 (V 10.60 - 10.60)

Format © 1995-2013 Xmark Corporation

For.SAGAR CEMENTS LTD.

(V.SUBRAMANYAM)

Manager(Mines)



Extended Notes

Location: Pit 1 2south East, No. of Holes-60, Spacing-5.5Mtrs, burden-3 Mtrs, Bench Height- 8 Mtrs.

Microphone

Linear Weighting

PSPL

ZC Freq

Channel Test

Passed (Freq = 20.1 Hz Amp = 453 mv)

PPV

ZC Freq

Time (Rel. to Trig)

Peak Acceleration

Peak Displacement

Frequency

Overswing Ratio

Peak Vector Sum

0.873

27

0.184

0.0298

0.00650

7.4

3.5

1.80 mm/s at 0.252 sec

1.67

28

0.250

0.0431

0.00988

7.5

3.5

1.19

34

0.319

0.0331

0.00567

7.3

3.7

mm/s

Hz

sec

g

mm

Hz

254

100

50

20

10

5

2

1

Permissible Ground Vibration

DGMS India (A)

Velocity (mm/s)

Frequency (Hz)

Tran: + Vert: x Long: o

a)Industrial Buildings

b)Domestic houses/structures

c)Historic objects, sensitive structures

MicL

Long

Vert

Tran

Time Scale: 0.20 sec/div

Amplitude Scale: Geo: 0.500 mm/s/div Mic: 20.0 pa.(L)/div

Sensor Check

Printed: November 10, 2018 (V 10.60 - 10.60)

Format © 1995-2013 Xmark Corporation

For.SAGAR CEMENTS LTD.

(V.SUBRAMANYAM)

Manager(Mines)





Constitution of SDU(Sustainable development Unit)	Constituted
Total Expenditure incurred for implementation Of SDF at Mine Level	About Rs.1,79,75,866/- (Rupees One Crore Seventy Nine Lakhs Seventy Five Thousand Eight Hundred and Sixty Sixty Only) were spent towards implementation of SDF at mine level for the financial year 2018-19.
Innovation of energy saving by use of solar Power or other resources	5 % of the power using in the mines is being provided from Solar Power Panels located in mines and plant premises. Using Thermol D Oil to minimise the diesel consumption in the HEMM.
Community development	Enclosed
Disposal of mill tailing/tailing dam management	Nil
Identification of safety hazards	Identified hazardous areas and prepared and distributed Safe Operating Procedures to Operators of respective areas and displayed the same at suitable locations.
proper setting of residential colony	Residential colony is located at the plant premises with well laid CC Roads and with all the facilities like PHC, Safe drinking water, Temple, Park, Play ground, Club with indoor games, thick plantation etc.
proper setting of administrative and industrial Building	Administrative office (Mines) is located near lease area with all the facilities like Chilled RO water, First Aid Station, Rest Rooms, OHP Conference Hall etc., Entire office is provided with Air Conditioners.
Effort for zero waste mining	We are using low grade above SiO ₂ – 15% by blending with high gr, Lst.
Community centers	Provided



To Strengthen the infrastructural facilities in the educational Institutes, management has donated 50 No's Table Cum Desk Benches (3Seater) by spending about Rs. 1,53,550/- in the Government School of Pedaveedu





గుండ్లపల్లికి తాగునీటి ట్యాంకర్ అందజేత



సాగర్ సిమెంట్స్ యాజమాన్యం అందజేసిన ట్యాంకర్ తో గుండ్లపల్లి సర్పంచి సుదర్శన్, ఎస్.పీ.పీ. డి.ఎస్.ఎస్. ప్రసాద్ తదితరులు

గుండ్లపల్లి(మరంపల్లి), న్యూటేడే: ఏకీకృత సామాజిక బాధ్యతలో భాగంగా గుండ్లపల్లి గ్రామంలో తాగునీటి సమస్యను పరిష్కరించేందుకు రూ.2లక్షల విలువైన

సేవా కార్యక్రమాలను విస్తరిస్తున్నామన్నారు. కర్మాగారం ఏపీపీ జగన్నాథరావు, గనుల ఏజీఎం కృష్ణారెడ్డి, మేనేజర్ శ్రీనివాస్ తెరాస నాయకుడు జి.బ్రహ్మరెడ్డి పాల్గొన్నారు.

సాగర్ సిమెంట్స్ యాజమాన్యం అందజేసిన ట్యాంకర్ తో గుండ్లపల్లి సర్పంచి సుదర్శన్, ఎస్.పీ.పీ. డి.ఎస్.ఎస్. ప్రసాద్ తదితరులు

ట్యాంకరును అందజేసినట్లు మరంపల్లి సాగర్ సిమెంట్స్ కర్మాగారం ఎస్.పీ.పీ. డి.ఎస్.ఎస్. ప్రసాద్ తెలిపారు. నాలుగు వేల లీటర్ల సామర్థ్యం ఉన్న ట్యాంకర్ను సర్పంచి సుదర్శన్కు గురువారం అందజేసిన ఆనందం ఆయన మాట్లాడారు. 2015 నుంచి 2019వరకు సుమారు రూ.19కోట్ల గనుల శిస్తును డీఎంఎంఎఫ్ కు చెల్లించామన్నారు. ఈ నిధులతో మండల కేంద్రంతోపాటు పెద వీడు తదితర గ్రామాల్లో అభివృద్ధి పనులు చేపట్టేందుకు అవకాశం ఉంటుందన్నారు. ప్రజావసరాలను దృష్టిలో ఉంచుకోని తమ

న్యూస్ బాక్స్

గ్రామానికి వాటర్ ట్యాంకర్ అందజేత



సర్పంచ్ సుదర్శన్కు వాటర్ ట్యాంకర్ అందిస్తున్నామన్నారు. Enlarge

మరంపల్లి: మండలంలోని గుండ్లపల్లి గ్రామ పంచాయితీకి మంచినీటిని అందించేందుకు స్థానిక సాగర్ సిమెంట్స్ పరిశ్రమ అధికారులు రూ.2లక్షల విలువగల వాటర్ ట్యాంకర్ను గురువారం సర్పంచ్ సుదర్శన్కు అందించారు. ఈ సందర్భంగా పరిశ్రమ వీ.పీ.డి.ఎస్.ఎస్. ప్రసాద్ మాట్లాడుతూ.. ఏకీకృత సామాజిక బాధ్యతలో భాగంగా, వేసవి దృష్ట్యా గుండ్లపల్లిలో మంచినీటి సరఫరాకు 4వేల లీటర్ల కెపాసిటీ గల వాటర్ ట్యాంకర్ను అందించటం జరిగిందన్నారు. కార్యక్రమంలో జి.ఎం. జగన్నాథరావు, క్రీష్ణారెడ్డి, శ్రీనివాస్, బ్రహ్మరెడ్డి తదితరులు పాల్గొన్నారు.

సాక్షి Fri, 24 May 2019 <https://epaper.sakshi.com/c/39>

Donated 3 Water tankers for supplying Drinking water to the Villagers of Pedaveedu, Mattampally and Gundlapally by spending an amount of Rs. 5,70,000



CSR Initiatives by Sagar Cements Limited



Sagar Cements has donated Mosquito fogging machines to the villagers and Air Conditioner to the mosque of Pedaveedu Village and motor pumps for RO plants of Matampally village and Silt Removal work undertaken in water storage tank under CSR for the FY 2018-19.





CSR Initiatives by Sagar Cements Limited



Conducted Mega health Camp in Mattampally Village and provided free medicines by spending about Rs.1,50,000/- during the year.



Initiatives by Sagar Cements Limited



SCL has constructed CC roads in Pedaveedu and Mattampally villages
& provided street lights by spending about Rs. 85,00,000/-

Provided Machinery and manpower for the electrical installations of Lift Pump



Annadanam and drinking water provided to Sri Laxmi Narasimha Swamy Kalyanam at Mattapally

Donation of Sodium Vaper Lamp to Sub Station Mattampally

Construction & Renovation of toilets in the Govt Hostels & Schools.





Initiatives by Sagar Cements Limited.



SCL has donated funds to renovate the Church and Temple of Mattmaply village



SCL provided RO Water Plants in Pedaveedu & Mattampally villages



Initiatives by Sagar Cements Limited.



Distributed Printers and Computers in Govt Degree College. Financial assistance for the annual celebrations of Library. Distribution of Submersible pumps for lift irrigation, Tube Lights at Mattamapally Village.

CSR Expenditure Incurred by SCL Mine – 1, for the FY 2018–19

Sl. No	Parameters	Particulars of work done	Expenditure Incurred (In Rs) 2018-2019	Beneficiaries
1	Water Storage tanks drinking water supply facilities and irrigation support to agriculture	Supply of submersible pumps, donation of water tanks, supply of drinking water and technical and infrastructural support to run the lift irrigation.	17,03,729	Villagers of Pedaveedu, G PL and Mattampally
2	Preventive measure for mitigation of mine related health problems	Provided mosquito killing fogging machine to villagers, expenses to medical officers attending health camps etc..	2,87,000	Pedaveedu, Mattampally Villagers
3	Promotion of hygiene and sanitation public health initiatives	Financial help for deceased and honorarium (Monthly) to vidya volunteers of Govt School etc....	2,25,000	Mattampally, Villagers
4	Skill development and vocational training programmes for local communities	Providing skill development programmes for Degree and Diploma completed students under the scheme.	21,73,625	Mattampally and Pedaveedu Villagers
5	Promotion of Literacy and Educations	Free supply of computers and benches to ZPHS school, Pedaveedu.	1,80,550	Pedaveedu villagers
6	Support to social culture recreational activities	Provided cement and steel for the construction/ renovation of temples & Mosque. provided Air conditioners.	3,22,584	Mattampally, Pedaveedu Villagers
7	Livelihood & Socio economic standard implementation on support	Compound wall construction (Burial Ground), financial help to TRSKV and BC welfare committees etc....	4,03,700	Mattampally Pedaveedu Villagers.
8	Importance of road connectivity and public transport and other infrastructure facilities	Construction of CC roads, arranging street lights, financial assistance for the construction of Temple, Church and Mosques	85,33,680	Mattampally, Pedaveedu, Gundlapally etc...
Total Expenditure			1,38,29,868	

Photo of Solar Panels arrangement on Roof Top of Railway Wagon Siding. (1.2 MW)



Administrative Office (Mines) View



First aid station



OH Centre



Ambulance



First aid outfit



Canteen



Rest room

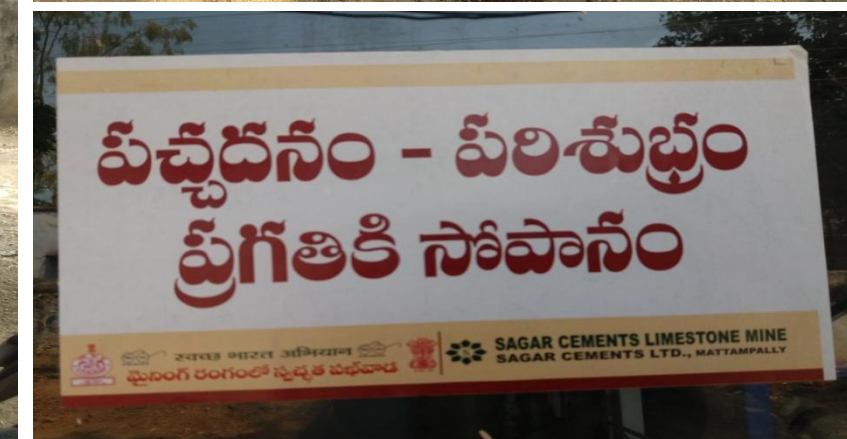
HEAD MASTER 34/10/18
Z.P.H.S. BheelyanaikThanda
Mattampally (M), Suryapet Dt

మరంపల్లి : మండల కేంద్రంలోని సాగర్ సిమెంట్స్ పరిశ్రమలో అధికారులు శనివారం, ఆదివారం స్వచ్ఛభారత్ నిర్వహించినట్లు మైన్స్ చీఫ్ జనరల్ మేనేజర్ సుబ్రహ్మణ్యం తెలిపారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ వచ్చే వారం నుంచి ప్రారంభమయ్యే గనుల భద్రతా వారోత్సవాలను దృష్టిలో ఉంచుకుని స్వచ్ఛ భారత్ కార్యక్రమం చేపట్టినట్లు తెలిపారు. పరిశ్రమలో హరితాహారంలో భాగంగా సుమారు 50వేల మొక్కలు నాటినట్లు తెలిపారు. కార్యక్రమంలో పరిశ్రమ సీనియర్ వైస్ప్రెసిడెంట్లు నాగప్రసాద్, అసిస్టెంట్ వైస్ప్రెసిడెంట్ జగన్నాథరావు, మైన్స్ ఏజెంట్ కృష్ణారెడ్డి, పరిశ్రమ ప్రతినిధులు, ఉద్యోగులు పాల్గొన్నారు.

Swachh Pakhwada Organised at Bilyanayak Thanda High School



Swachh Pakhwada Conducted at Pedaveedu Village



Photoes of Free Health Camp , Swachhta Awareness progamme, Cleanliness , Planta tion by Villagers and display of awareness Stickers in the village during the Swach hta Pakhwada coducted from 1st October 2018 to 16.10.2018.

Swachhta Pakhwada Conducted at Labour Camp Mattampally Village.



Photoes of Oath Taking, Cleanli
ness in the Colony by Sagar Ce
ments employees and swachhta
Awareness Rally in the Camp.

Swachhta Pakhwada Organised at Sagar Vidya Mandir School



Swachhta Pakhwada Organised at Mines Office and Crusher of SCL





To Ensure Clean and Neat Environment in the Colony under Swachh Bharath. Management has distributed Garbage Collection boxes 2 No's each (Organic & Inorganic Waste) to entire colony and provided dust collection facility from the houses of individuals in the colony.

Management Participation in the Company Events



Active Participation of Management in on the occasion of Republic Day and 33rd Plant Anniversary Day Celebrations at Mattampally site.

Our JMD Sir Participation in 6th Anniversary of Sri Kodanda Ramalaya Temple



Thank You !