

# Presentation For Silica Sand Washed & Graded

Dry And Screening Plant  
At GMDC, Rajpardi.



**UNIV**<sup>®</sup>  
**MINERALS**  
An ISO 9001:2015 Certified Company





# ABOUT THE COMPANY

## UNIV MINERALS

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- A PARTNERSHIP FIRM ESTABLISHED IN 2016 AND IN NEAR FUTURE WE WILL PLAN TO MERGE WITH UNIV MINERALS PVT. LTD. IN 2021.
- CONTRACT SIGNED WITH GMDC IN SEPT-2018 FOR MINIMUM QUANTITY OF VALUE ADDITION 3,00,000 MT/YEAR.
- STOCK AVAILABLE MORE THAN 225 LACS MT. (With GMDC).
- PRIVATE LOCAL LEASE HOLDERS ARE HAVING STOCK OF MORE THAN 180 LAC TONS.
- HIGH GRADE QUALITY PURE SILICA SAND ( $\text{SiO}_2$  more than 98.7%) IN GUJARAT.

# ABOUT THE COMPANY

## UNIV MINERALS

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- ESTABLISHED PROCESSING PLANT OUTSIDE OF GMDC MINES FOR LARGE QUANTITIES PROCESS AND MORE FACILITIES BEING ADDED TO INCREASE SILICA SAND VALUE ADDITION AND PROCESSING.
- THERE ARE ABOUT 28 SMALL SCALE SILICA SAND PROCESSING PLANTS NEAR GMDC RAJPARDI. WE ARE PLANNING TO SELL ABOUT 40,000 TONS/MONTH TO THIS UNITS.
- AT PRESENT WE ARE SUPPLYING TO FOUNDRY, CHEMICALS, POWER PROJECT AND CONSTRUCTION INDUSTRIES.
- IN FUTURE SILICA SAND MARKET DEMAND WILL BE MORE THAN 80 TO 90% THAN CURRNT SUPPLY, WE ARE PLANNING TO CAPTURE AT LEASE 30% MARKET.





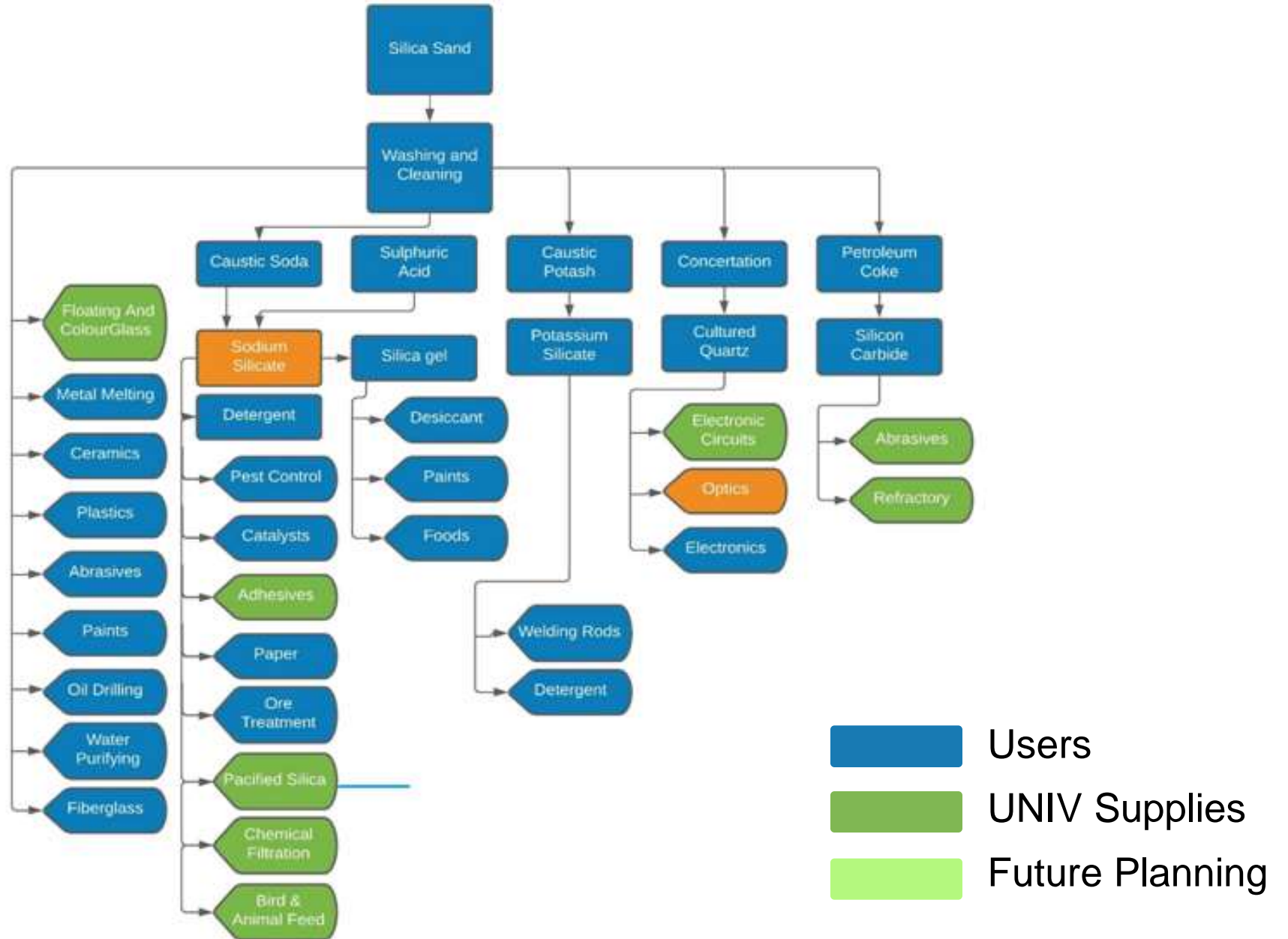




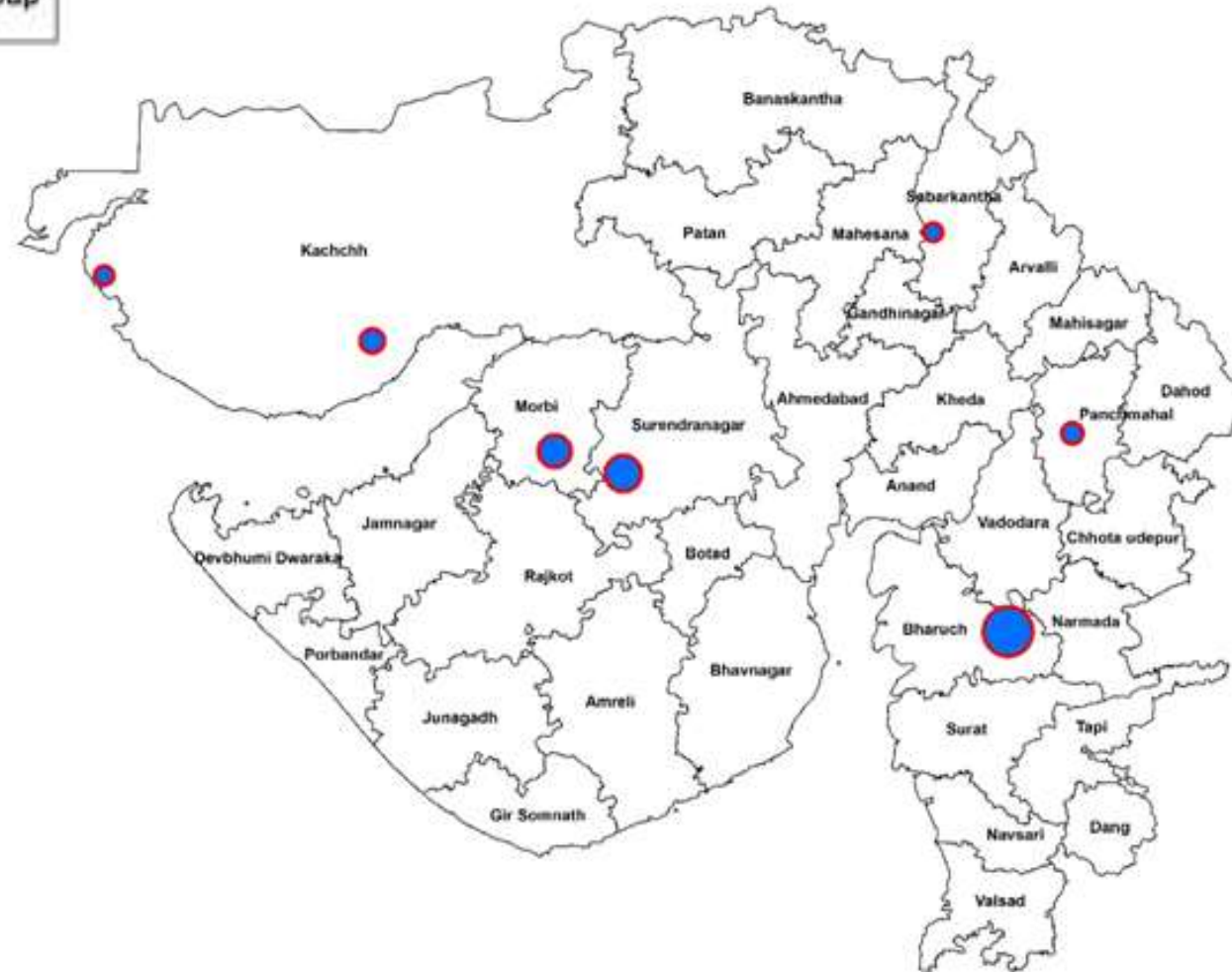
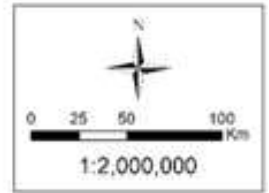
We Univ Minerals  
from 2016, are serving our customers  
by manufacturing a  
high-quality Silica Sand and Bed  
Material.







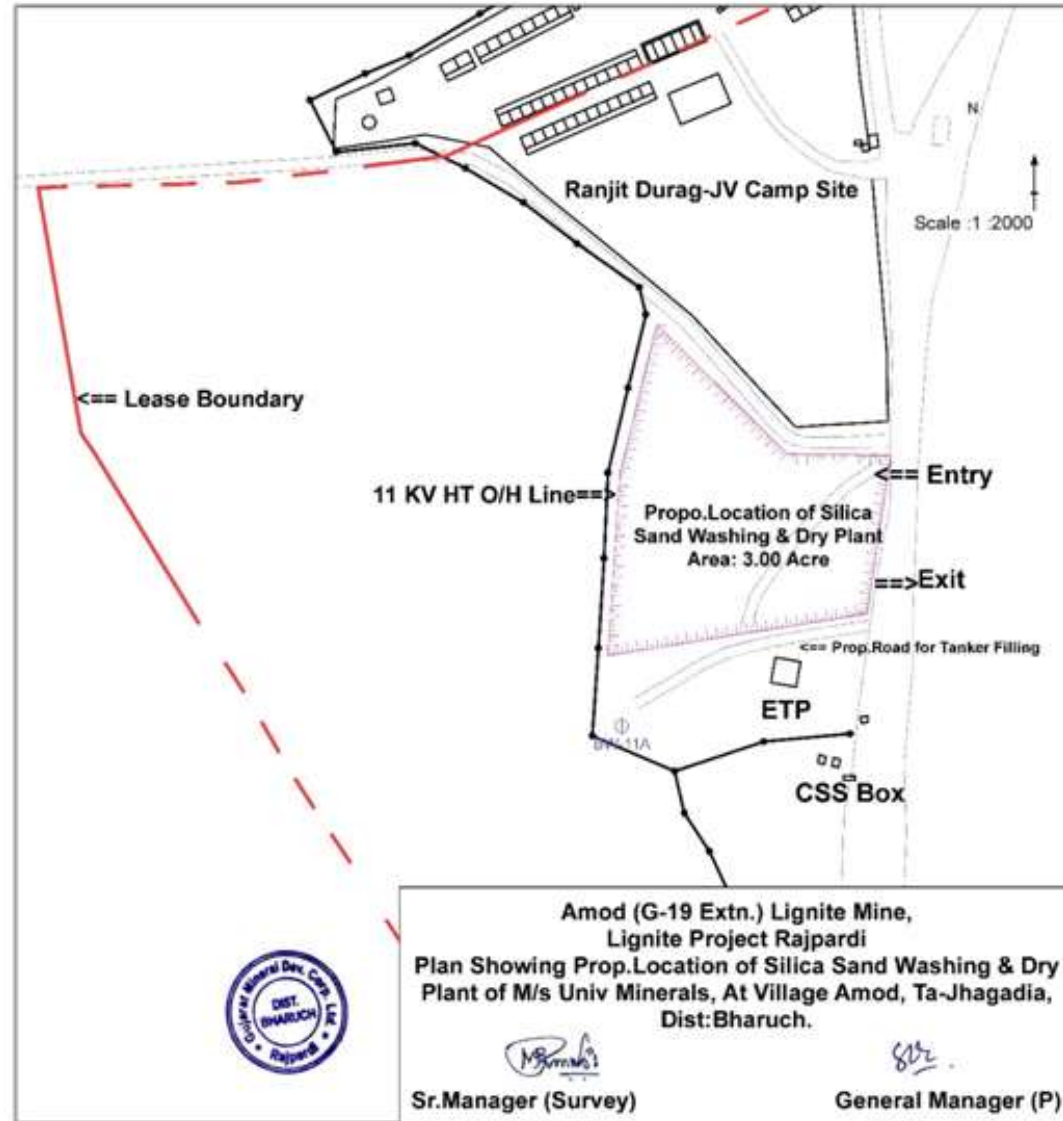
# Silica Sand Production Locations In Gujarat







# We Will Be Located Nr. GMDC Lease Area



## Current Production

Our Current Production Capacity	2,16,000 MT/Year
Washed and Graded (Foundry and Tile adhesives)	72,000 MT/Year
Drying and Screening (Construction)	48,000 MT/Year
Raw Material (Supply to local washing plant)	96,000 MT/Year

Current Plant Investment

6.3 Cr.

## Future Plans

Additional Capacity

6,36,000 MT/Year (2022-23)

Washed and Graded Capacity

2,90,000 MT/Year

Glass Grade

1,01,000 MT/Year

Foundry and Tile Adhesives

1,131,000 MT/Year

Construction Grade (Zone II)

58,000 MT/Year

Drying and Screening (unwashed) Capacity

1,80,000 MT/Year

Construction and Chemical Industry

1,80,000 MT/Year

Raw Material (Supply to local washing plant)

1,66,000 MT/Year

Future Investment

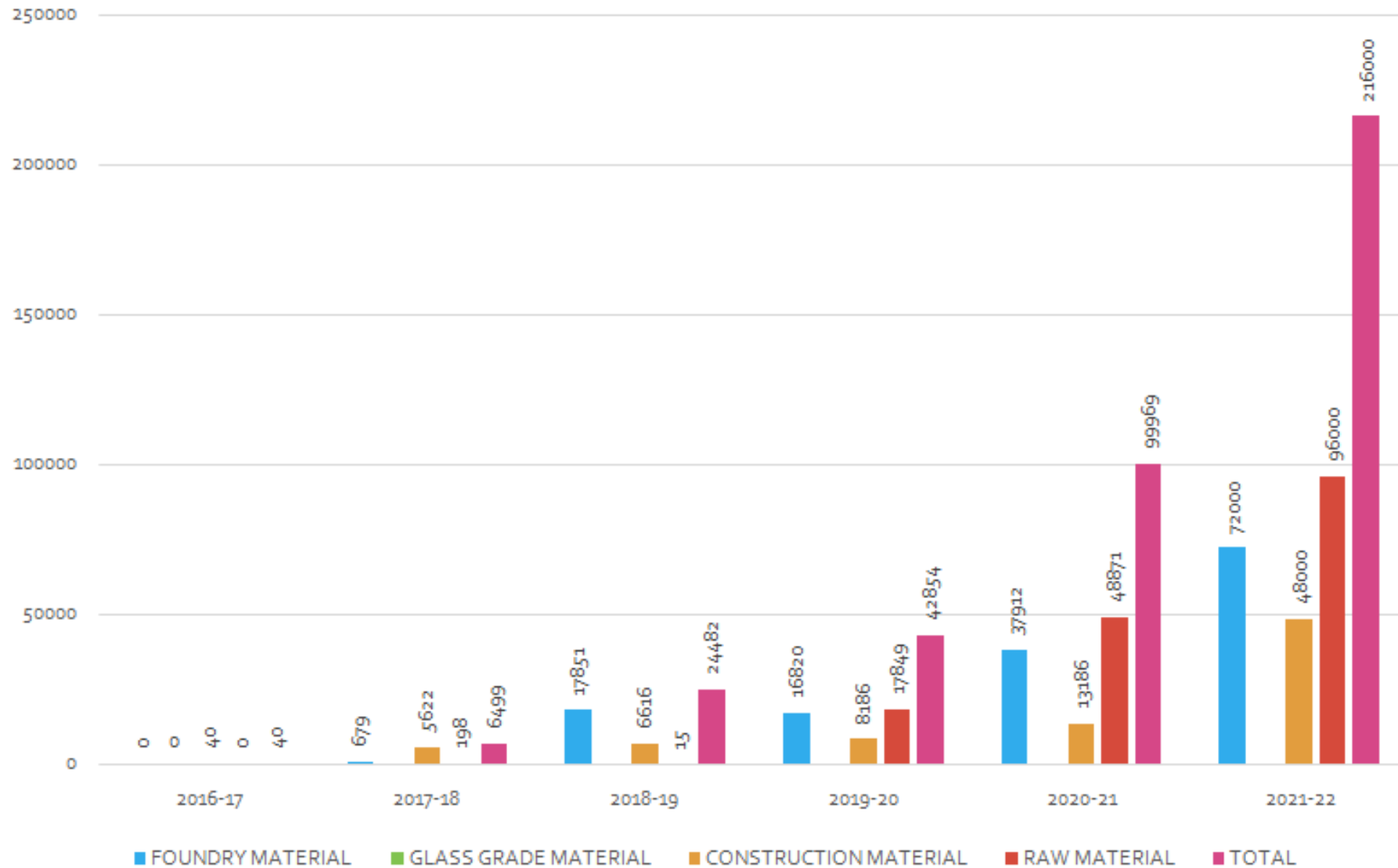
Rs. 13.2 Crore



# Proposed Investment Bifurcation

	Rs.
Land Cost (On rent and 15 years rent agreement)	50 Lakhs
Plant & Machinery for Washing Plant	6.70 Cr.
Plant & Machinery for Screening and Drying	4.30 Cr.
Miscellaneous (Building and shade)	1.4 Cr.
Laboratory	30 Lakhs
<b>Total</b>	<b>13.2 Cr.</b>

### Production till date



## Income to GMDC & CGM

	2018-19	2019-20	2020-21	2021-22 (Till – Sept-21)
Silica Sand Purchased (MT)	7,223	26,362	64,805	74,292
Base price income to GMDC (Rs.)	3,97,256	14,49,918	27,38,011	31,38,837
Royalty (Rs.)	3,25,073	11,86,290	29,16,225	33,43,140
Premium (Rs.)	2,59,998	9,49,032	23,32,980	26,74,512
Penalty (Rs.)	1,60,804	7,36,499	6,21,182	-
DMF (Rs.)	32,498	1,18,629	2,91,623	3,34,314
Total (Rs.)	11,75,629	44,40,368	89,00,021	94,90,803
<b>Total (Rs.)</b>				<b>2,40,06,821</b>

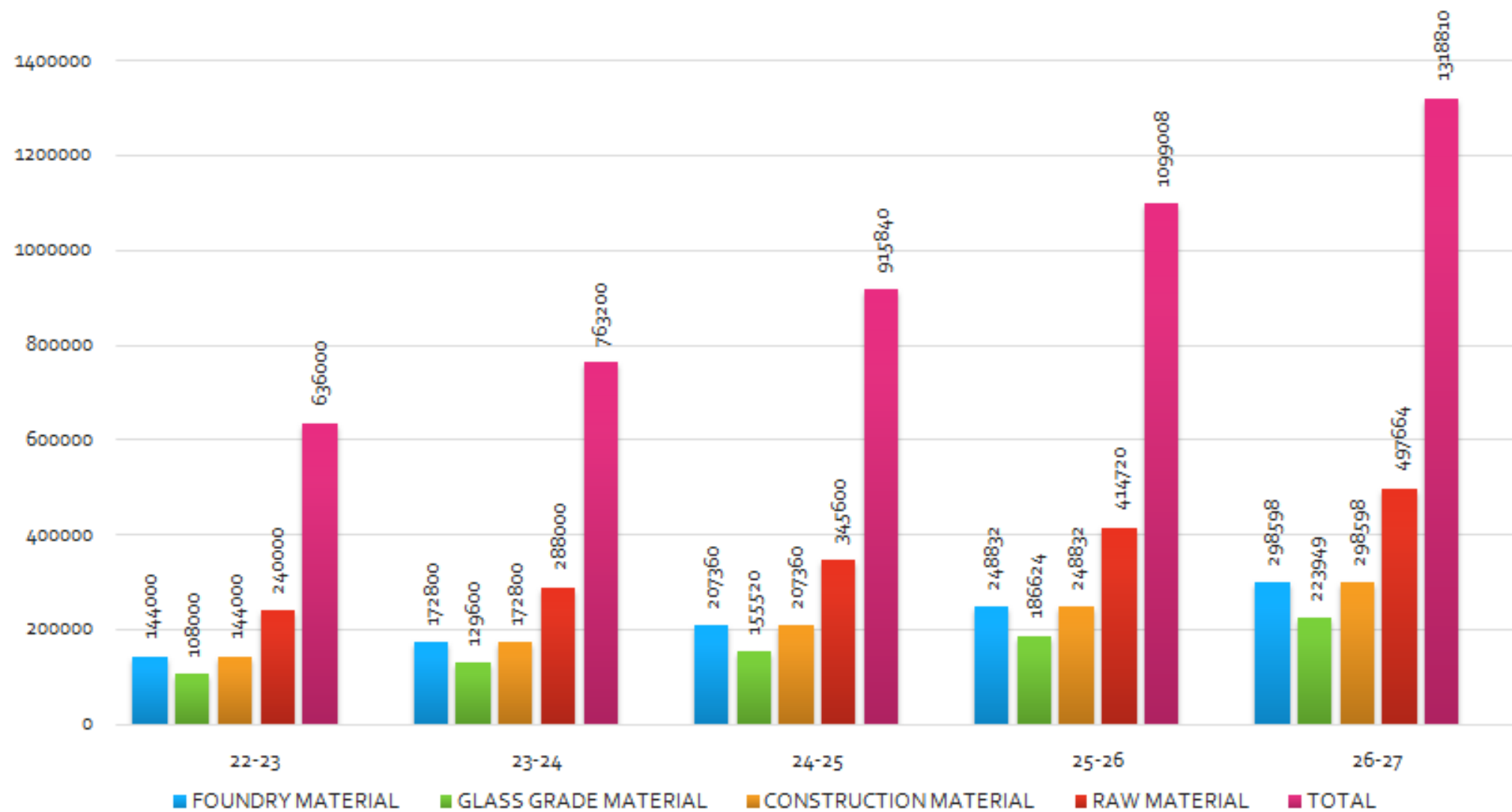


# Income to GMDC & CGM

Silica Sand purchased from Private lease holders.

	Sept-2018-19	2019-20	2020-21	2021-22 (Till – Sept-21)
Silica Sand Purchased (MT)	17,259	16,492	35,164	20,315
Base price income to GMDC (Rs.)	3,62,439	3,46,332	7,38,444	4,26,615
Royalty (Rs.)	7,76,655	7,42,140	15,82,380	9,14,175
Premium (Rs.)	0	0	0	0
Penalty (Rs.)	0	0	0	0
DMF (Rs.)	77,666	74,214	1,58,238	91,418
Total (Rs.)	12,16,760	11,62,686	24,79,062	14,32,208
<b>Total (Rs.)</b>				<b>62,90,715</b>

## Proposed Production



# Proposed Income to GMDC & CGM

	2022-23	2023-24	2024-25	2025-26	2026-27
Silica sand Will Purchase By Univ Minerals	6,36,000	7,63,200	9,15,840	10,99,008	13,18,810
Basic Rate Of GMDC ( 5 % Increase Every 2 Year)	44.46	44.46	46.64	46.64	48.77
Base Price (Income To GMDC From UNIV Minerals)	2,82,76,560	3,39,31,872	4,27,14,778	5,12,57,733	6,43,18,364
Royalty (@ 45/- Per MT)	2,86,20,000	3,43,44,000	4,12,12,800	4,94,55,360	5,93,46,450
Premium (@ 80 % Of Base Price Per MT)	2,26,21,248	2,71,45,498	3,41,71,822	4,10,06,186	5,14,54,691
DMF (@ 4.5/- Per MT)	28,62,000	34,34,400	41,21,280	49,45,536	59,34,645
<b>Total</b>	<b>8,23,79,808</b>	<b>9,88,55,770</b>	<b>12,22,20,680</b>	<b>14,66,64,816</b>	<b>18,10,54,150</b>
<b>Total of Five Years</b>					<b>63,11,75,223</b>



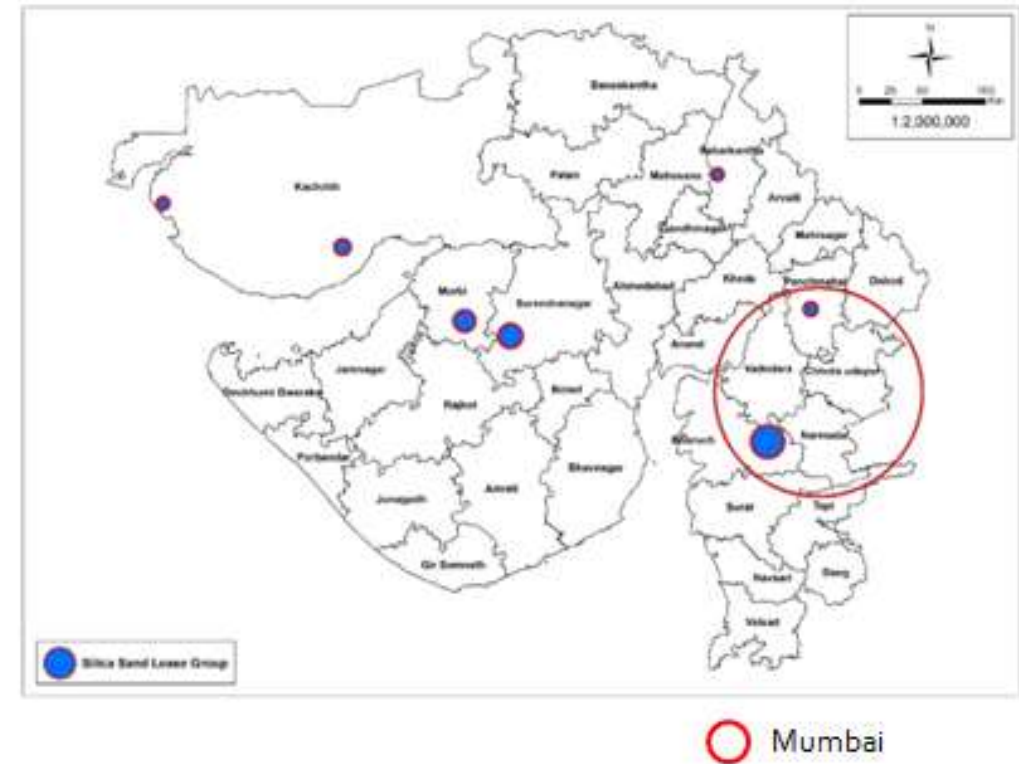
# Glass Grade Demand Area

About 9,00,000 tons per Year requirement in 200-300 km area from our plant which is currently supplied from Kachchh district.

Still there is a scope to enhance Production of about 7,80,000 tons Which will reduce transportation cost from Kachchh district and help in lower fuel consumption Environment Impact.

Kachchh District will have two new Solar Glass Plants which will require about 8,40,000 MT/Year silica sand supply. This will Result in Short supply.

Compare to 2021 demand of glass will be increase by 26% in 2023.



# Future Demand

Gujarat Guardian Ltd., (Ankleshwar, GIDC)– 3,60,000 ton/annum (our supply 0 tons/annum) (Other Supplied from Bhuj)

Saint Gobain India Pvt. Ltd., ( Ankleshwar, GIDC)– 3,00,000 ton/annum (for Glass) (our supply 0 tons/annum) (Other Supplied from Bhuj)

Saint Gobain India Pvt. Ltd. (Wada, Maharashtra, Halol & Vapi)— 1,80,000 ton/annum (for Construction Related) (our supply 36,000 tons/annum) (Other Supplied from Local Rajpardi Mines and Bhuj)

Ultratech Cement Ltd. (Wada, Maharashtra, Surat, Halol, Kim, Baroda, Vapi) – 3,84,000 ton/annum (our supply 18,000 tons/annum) (Other Supplied from Bhuj)

	Requirement Tons/Annum	Our Supply Tons/Annum
Gujarat Guardian Ltd.	1,80,000	0
Saint Gobain India Pvt. Ltd. (For Glass)	2,50,000	0
Saint Gobain India Pvt. Ltd. (For Construction)	90,000	36,000
Ultratech Cement Ltd.	2,64,000	18,000
<b>Total</b>	<b>7,84,000</b>	<b>54,000</b>

**Future Commitments**

**Process - Material**

Kaneria	12,000	<b>MT/Month</b>
Ultratech	12000	
Precise	2,500	
Himcast	800	
Modiguard (Gujarat Guardian)	9,000	
Aai Khodal	3,000	
Dr. Bajranglal Maheshwari	3,000	
Dry Chem	10,000	
Saint Gobain	3,000	
Saint Gobain Glass	10,000	
<b>Total</b>	<b>55,300</b>	

Future Commitments

Silica Sand - Raw Material

3,00,000/- MT / Anum



## Future Lignite Requirement

	22-23	23-24	24-25	25-26	26-27
Lignite (Tons)	6,336	7,603	9,124	10,949	13,138

Sand Lease Holder	Ordinary Sand (Price Rs. Govt. Rate)	Silica Sand (Price Rs. Govt. Rate)	Ordinary Sand (Price Rs. Market Rate Orsang River)	Silica Sand (Price Rs. GMDC. Rate)	Local Silica
Base Price	240	225	136	132.50	21.00
Royalty	40	45	40	45	45
DMF	4	4.5	4	4.5	4.5
Premium	-	-	-	-	
<b>Total</b>	<b>284</b>	<b>274.5</b>	<b>180</b>	<b>182</b>	<b>70.5</b>

## Requirement of Silicasand within 300km from Bharuch

Glass Grade (MT/Annum)			
150-300 ppm	3,60,000 MT	Currently supplied from Bhuj	**
300-600 ppm	4,80,000 MT		UNIV has the capacity to supply 2,34,000 tons (@30% of required material) after installation of new plant.
600-900 ppm	3,00,000 MT		

\*\*If GMDC can provide separate stack of Good quality material (Low Iron material that can be used for Glass Industry, we can make it up to 300 ppm material for Supply of additional 1,08,000 MT (@ 30% of demand) as per our plant capacity.

Due to increase in fuel prices costing of supply from Kachchh district to South and Central Gujarat has increased by more than 25%.

## Requirement of Silicasand within 350km from Bharuch

### Construction Industries (MT/Annum)

For 143 premix plants (1200 micron- -600 micron)(@avg. 3000 ton/month/plant

50,00,000 MT

Currently supplied from Riverbed Sand

UNIV can capture about 40 % of this market after the installation of new plant.

This year we have started supply to this industry and supplied 40,000 MT.

## Requirement of Silicasand within 350km from Bharuch

### Power Projects (4 plants) of Dahej (MT/Annum)

Many other power project requires silica sand, so there is a huge demand for Silicasand.

2,40,000 MT

Currently supplied from Riverbed Sand

From 2019 we have started supply to this industry and supplied 27,507 MT.



# R & D Carried Out by UNIV in Collaboration With Following Companies During Last 2 Years



01. RELIANCE INDUSTRIES LIMITED
02. SAINT GOBAIN INDIA PVT LTD
03. ULTRATECH CEMENT LTD
04. SHINE CAPITAL AND SECURITIES PVT LTD
05. PRECISE CONCHEM PVT LTD
06. SYLCO PATRAWALA PLAST PVT LTD
07. WALPLAST PRODUCTS PRIVATE LIMITED
08. ASHTECH INDIA PVT LTD
09. MANDОВI MINERALS PVT LTD
10. GUJARAT GAURDIAN LTD
11. OMKAR CONCHEM PVT LTD
12. HIMGIRI CASTINGS PVT LTD
13. MANICO MINERALS INTERNATIONAL PVT LTD
14. PARAMOUNT LOOMS PVT LTD
15. JSON POLYMER PVT LTD
16. METSO INDIA PVT LTD
17. MYK LATICRETE INDIA PRIVATE LTD
18. PERLCON PREMIX PVT LTD
19. NANDADEEP HOMES PVT LTD
20. NARSIMHA ENGINEERING PVT LTD
21. C M SMITH AND SONS LIMITED
22. LABDHI LIFESTYLE LIMITED
23. MASTER CONCRETECH PRIVET LIMITED
24. AVON BUILDING PRODUCT PVT LTD
25. AVANTTA INFRA PVT LTD
26. SHREE RAJ CASTECH PVT LTD
27. SUPER ENGI-TECH PVT LTD
28. SHREE ENTERPRISE(CHEMICALS) PVT LTD
29. RAJMOTI METALS PVT LTD

# Future proposed Solar Power plant for Green Energy

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UNIV minerals is planning to install Renewable Energy power plant in future to make up for UNIV minerals upcoming project power requirement of Silica Sand processing and dry plant.





Reach out to us for inquiries, We're always ready to help.

### Our Address

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**An ISO 9001:2015 Certified Company**

We Univ Minerals, from 2016, are serving our customers by manufacturing a High-Quality Prossess Silica Sand and Bed Material.

**THANK YOU!**

