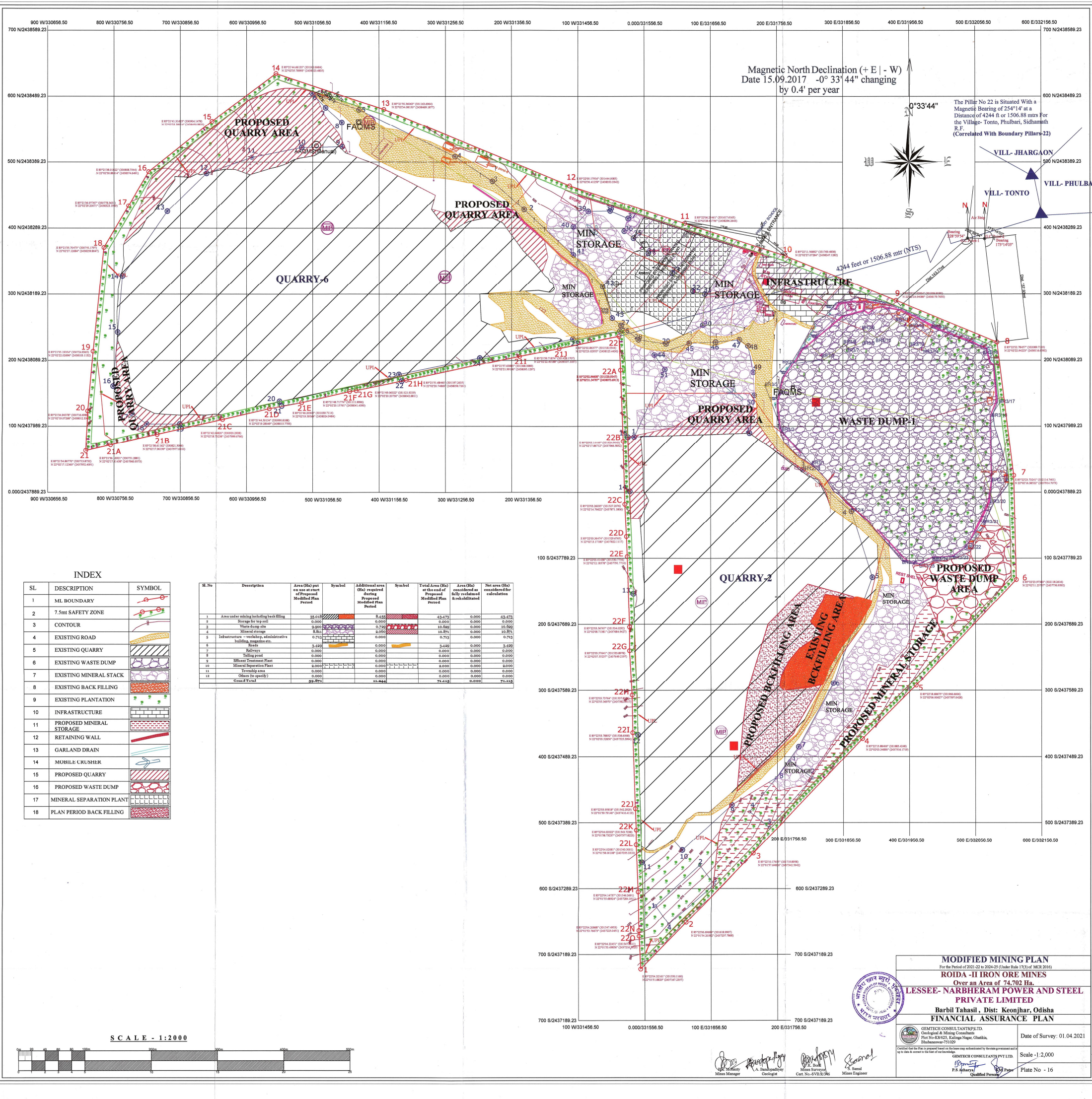
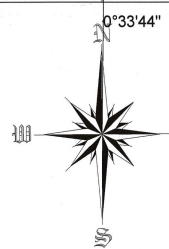




Magnetic North Declination (+ E | - W)
Date 15.09.2017 -0° 33' 44" changing
by 0.4' per year



The Pillar No 22 is Situated With a
Magnetic Bearing of 254°14' at a
Distance of 424.4 ft or 1506.88 mtrs For
the Village- Tonto, Phulbari, Sidhamath
R.F.
(Correlated With Boundary Pillars-22)

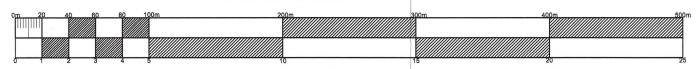
VILL- JHARGAON
VILL- TONTO
VILL- PHULBAR

INDEX

SL	DESCRIPTION	SYMBOL
1	ML BOUNDARY	
2	7.5mt SAFETY ZONE	
3	CONTOUR	
4	EXISTING ROAD	
5	EXISTING QUARRY	
6	EXISTING WASTE DUMP	
7	EXISTING MINERAL STACK	
8	EXISTING BACK FILLING	
9	EXISTING PLANTATION	
10	INFRASTRUCTURE	
11	PROPOSED MINERAL STORAGE	
12	RETAINING WALL	
13	GARLAND DRAIN	
14	MOBILE CRUSHER	
15	PROPOSED QUARRY	
16	PROPOSED WASTE DUMP	
17	MINERAL SEPARATION PLANT	
18	PLAN PERIOD BACK FILLING	

Sl. No	Description	Area (Ha) put on use at start of Proposed Modified Plan Period	Symbol	Additional area (Ha) required during Proposed Modified Plan Period	Symbol	Total Area (Ha) at the end of Proposed Modified Plan Period	Area (Ha) considered as fully reclaimed & rehabilitated	Net area (Ha) considered for calculation
1	Area under mining including back filling	35.018		8.435		43.453	0.000	43.453
2	Storage for top soil	0.000		0.000		0.000	0.000	0.000
3	Waste dump site	9.000		0.750		9.750	0.000	9.750
4	Mineral storage	8.811		0.000		8.811	0.000	8.811
5	Infrastructure - including administrative building, magazine etc.	0.713		0.000		0.713	0.000	0.713
6	Roads	3.149		0.000		3.149	0.000	3.149
7	Railways	0.000		0.000		0.000	0.000	0.000
8	Filling pond	0.000		0.000		0.000	0.000	0.000
9	Effluent Treatment Plant	0.000		0.000		0.000	0.000	0.000
10	Mineral Separation Plant	8.000		0.000		8.000	0.000	8.000
11	Township area	0.000		0.000		0.000	0.000	0.000
12	Others (as specified)	0.000		0.000		0.000	0.000	0.000
13	Grand Total	59.581		9.185		68.766	0.000	68.766

SCALE - 1:2000



MODIFIED MINING PLAN
For the Period of 2021-22 to 2024-25 (Under Rule 17(3) of MCR 2016)
ROIDA-II IRON ORE MINES
Over an Area of 74.702 Ha.
LESSEE- NARBHERAM POWER AND STEEL
PRIVATE LIMITED
Barbil Tahasil, Dist: Keonjhar, Odisha
FINANCIAL ASSURANCE PLAN

DATE OF SURVEY: 01.04.2021

Scale - 1:2,000

Plate No - 16

GEMTECH CONSULTANTS PVT. LTD.
Geological & Mining Consultants
Plot No-8/85C, Kalinga Nagar, Cuttack,
Bhubaneswar-751029

Certified that the Plan is prepared based on the data submitted by the mine government and
up to date & correct to the best of the knowledge.

GEMTECH CONSULTANTS PVT. LTD.
P. S. Acharya
Qualified Person

Date of Survey: 01.04.2021

Scale - 1:2,000

Plate No - 16

Mines Manager
Geologist
Cert. No. -SVR/R/346
Mines Engineer