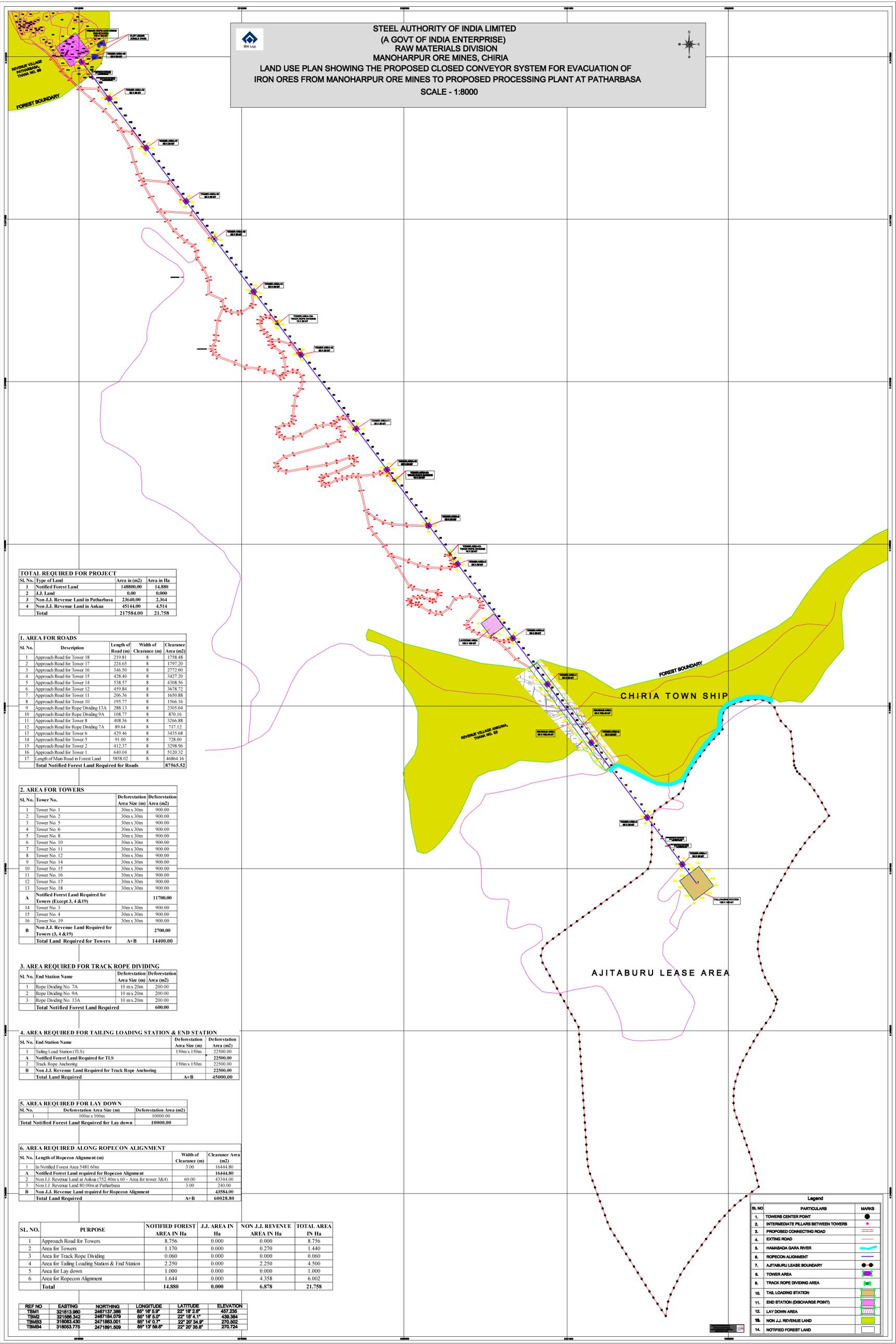



**STEEL AUTHORITY OF INDIA LIMITED**  
 (A GOVT OF INDIA ENTERPRISE)  
**RAW MATERIALS DIVISION**  
**MANOHARPUR ORE MINES, CHIRIA**  
**LAND USE PLAN SHOWING THE PROPOSED CLOSED CONVEYOR SYSTEM FOR EVACUATION OF**  
**IRON ORES FROM MANOHARPUR ORE MINES TO PROPOSED PROCESSING PLANT AT PATHARBASA**  
**SCALE - 1:8000**



**TOTAL REQUIRED FOR PROJECT**

Sl. No.	Type of Land	Area in (m <sup>2</sup> )	Area in Ha
1	Notified Forest Land	14880.00	14.880
2	J.J. Land	0.00	0.000
3	Non J.J. Revenue Land in Patharbasa	23640.00	2.364
4	Non J.J. Revenue Land in Anka	45144.00	4.514
<b>Total</b>		<b>217584.00</b>	<b>21.758</b>

**1. AREA FOR ROADS**

Sl. No.	Description	Length of Road (m)	Width of Clearance (m)	Clearance Area (m <sup>2</sup> )
1	Approach Road for Tower 18	219.81	8	1758.48
2	Approach Road for Tower 17	224.65	8	1797.20
3	Approach Road for Tower 16	346.50	8	2772.00
4	Approach Road for Tower 15	428.40	8	3427.20
5	Approach Road for Tower 14	538.57	8	4308.56
6	Approach Road for Tower 12	439.84	8	3518.72
7	Approach Road for Tower 11	206.36	8	1650.88
8	Approach Road for Tower 10	195.77	8	1566.16
9	Approach Road for Rope Dividing 13A	288.13	8	2305.04
10	Approach Road for Rope Dividing 9A	108.77	8	870.16
11	Approach Road for Tower 8	408.36	8	3266.88
12	Approach Road for Rope Dividing 7A	89.64	8	717.12
13	Approach Road for Tower 6	479.46	8	3835.68
14	Approach Road for Tower 5	91.00	8	728.00
15	Approach Road for Tower 2	412.37	8	3298.96
16	Approach Road for Tower 1	640.04	8	5120.32
17	Length of Main Road in Forest Land	5858.02	8	46864.16
<b>Total Notified Forest Land Required for Roads</b>				<b>87565.52</b>

**2. AREA FOR TOWERS**

Sl. No.	Tower No.	Deforestation Area Size (m)	Deforestation Area (m <sup>2</sup> )
1	Tower No. 1	30m x 30m	900.00
2	Tower No. 2	30m x 30m	900.00
3	Tower No. 5	30m x 30m	900.00
4	Tower No. 6	30m x 30m	900.00
5	Tower No. 8	30m x 30m	900.00
6	Tower No. 10	30m x 30m	900.00
7	Tower No. 11	30m x 30m	900.00
8	Tower No. 12	30m x 30m	900.00
9	Tower No. 14	30m x 30m	900.00
10	Tower No. 15	30m x 30m	900.00
11	Tower No. 16	30m x 30m	900.00
12	Tower No. 17	30m x 30m	900.00
13	Tower No. 18	30m x 30m	900.00
<b>Notified Forest Land Required for Towers (Except 3, 4 &amp; 19)</b>			<b>11700.00</b>
<b>Non J.J. Revenue Land Required for Towers (3, 4 &amp; 19)</b>			<b>2700.00</b>
<b>Total Land Required for Towers</b>	<b>A+B</b>		<b>14400.00</b>

**3. AREA REQUIRED FOR TRACK ROPE DIVIDING**

Sl. No.	End Station Name	Deforestation Area Size (m)	Deforestation Area (m <sup>2</sup> )
1	Rope Dividing No. 7A	10 m x 20m	200.00
2	Rope Dividing No. 9A	10 m x 20m	200.00
3	Rope Dividing No. 13A	10 m x 20m	200.00
<b>Total Notified Forest Land Required</b>			<b>600.00</b>

**4. AREA REQUIRED FOR TAILING LOADING STATION & END STATION**

Sl. No.	End Station Name	Deforestation Area Size (m)	Deforestation Area (m <sup>2</sup> )
1	Tailing Load Station (TLS)	150m x 150m	22500.00
<b>A</b>	<b>Notified Forest Land Required for TLS</b>		<b>22500.00</b>
2	Track Rope Anchoring	150m x 150m	22500.00
<b>B</b>	<b>Non J.J. Revenue Land Required for Track Rope Anchoring</b>		<b>22500.00</b>
<b>Total Land Required</b>	<b>A+B</b>		<b>45000.00</b>

**5. AREA REQUIRED FOR LAY DOWN**

Sl. No.	Deforestation Area Size (m)	Deforestation Area (m <sup>2</sup> )
1	100m x 100m	10000.00
<b>Total Notified Forest Land Required for Lay down</b>		<b>10000.00</b>

**6. AREA REQUIRED ALONG ROPECON ALIGNMENT**

Sl. No.	Length of Ropecon Alignment (m)	Width of Clearance (m)	Clearance Area (m <sup>2</sup> )
1	In Notified Forest Area 5481.60m	3.00	16444.80
<b>A</b>	<b>Notified Forest Land required for Ropecon Alignment</b>		<b>16444.80</b>
2	Non J.J. Revenue Land at Anka (52.40m x 60' - Area for tower 3&4)	60.00	4344.00
3	Non J.J. Revenue Land 80.00m at Patharbasa	3.00	240.00
<b>B</b>	<b>Non J.J. Revenue Land required for Ropecon Alignment</b>		<b>4584.00</b>
<b>Total Land Required</b>	<b>A+B</b>		<b>6028.80</b>

Sl. No.	PURPOSE	NOTIFIED FOREST AREA IN Ha	J.J. AREA IN Ha	NON J.J. REVENUE AREA IN Ha	TOTAL AREA IN Ha
1	Approach Road for Towers	8.756	0.000	0.000	8.756
2	Area for Towers	1.170	0.000	0.270	1.440
3	Area for Track Rope Dividing	0.060	0.000	0.000	0.060
4	Area for Tailing Loading Station & End Station	2.250	0.000	2.250	4.500
5	Area for Lay down	1.000	0.000	0.000	1.000
6	Area for Ropecon Alignment	1.644	0.000	4.358	6.002
<b>Total</b>		<b>14.880</b>	<b>0.000</b>	<b>6.878</b>	<b>21.758</b>

REF NO	EASTINGS	NORTHINGS	LONGITUDE	LATITUDE	ELEVATION
TBM1	321613.880	2487137.388	86° 16' 5.9"	22° 19' 2.9"	497.235
TBM2	321588.342	2487184.079	86° 16' 5.0"	22° 19' 4.1"	498.384
TBM3	318083.430	2471883.001	86° 14' 0.7"	22° 20' 34.9"	270.592
TBM4	318063.778	2471881.509	86° 13' 59.6"	22° 20' 35.0"	270.724

**Legend**

Sl. No.	PARTICULARS	MARKS
1.	TOWERS CENTER POINT	●
2.	INTERMEDIATE PILLARS BETWEEN TOWERS	○
3.	PROPOSED CONNECTING ROAD	—
4.	EXISTING ROAD	—
5.	HANABADA GARA RIVER	—
6.	ROPECON ALIGNMENT	—
7.	AJITABURU LEASE BOUNDARY	—
8.	TOWER AREA	■
9.	TRACK ROPE DIVIDING AREA	■
10.	TAIL LOADING STATION	■
11.	END STATION (DISCHARGE POINT)	■
12.	LAY DOWN AREA	■
13.	NON J.J. REVENUE LAND	■
14.	NOTIFIED FOREST LAND	■