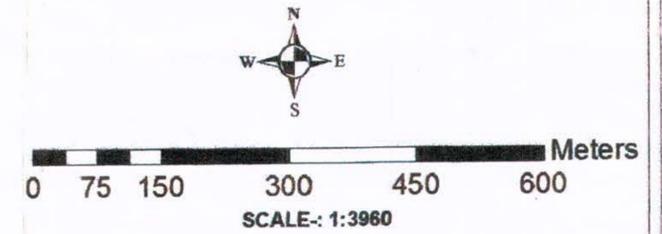
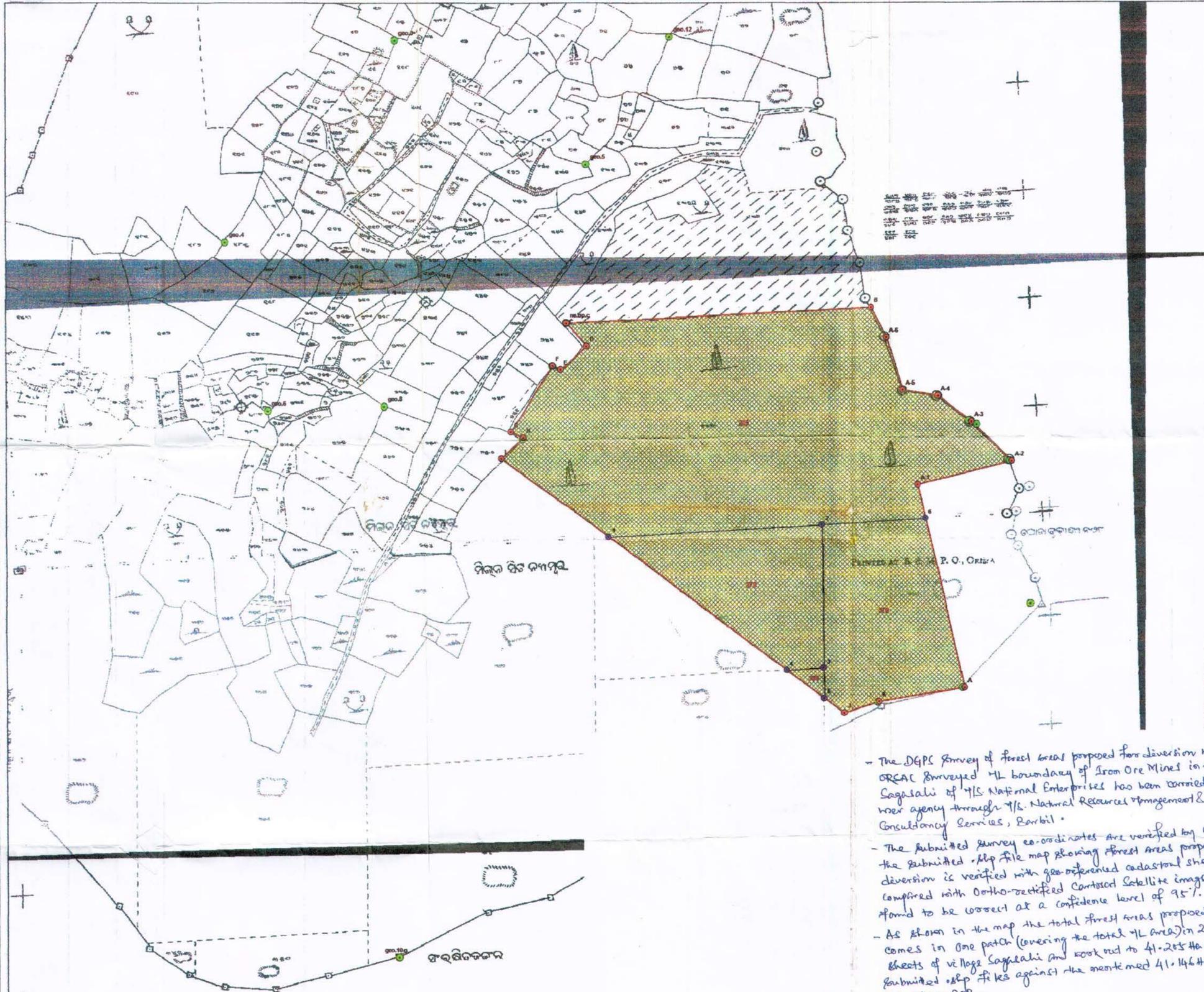


MAP SHOWING FOREST PLOTS WITHIN ML BOUNDARY OF M/S NATIONAL ENTERPRISERS FOR IRON ORE IN VILLAGE SAGASAH



ORSAC SURVEYED DGPS CO-ORDINATES OF ML PILLARS					
Sl-No	Pillar-No	Longitude	Latitude	Easting	Northing
1	A	85°17'08.18988"	21°56'09.55608"	322940.558	2426731.508
2	A-1	85°17'05.32608"	21°56'22.05492"	322862.675	2427116.842
3	A-2	85°17'11.11092"	21°56'23.50500"	323029.172	2427159.59
4	A-3	85°17'08.65860"	21°56'25.94940"	322959.642	2427235.552
5	A-4	85°17'06.59328"	21°56'27.50640"	322900.919	2427284.096
6	A-5	85°17'04.44444"	21°56'27.86316"	322839.382	2427295.762
7	A-6	85°17'03.43608"	21°56'31.10316"	322811.566	2427395.742
8	B	85°17'02.52096"	21°56'32.93592"	322785.938	2427452.395
9	C	85°16'43.69008"	21°56'32.00568"	322245.292	2427429.848
10	D	85°16'44.94180"	21°56'30.60564"	322280.725	2427386.381
11	E	85°16'43.33728"	21°56'29.17500"	322234.192	2427342.899
12	F	85°16'42.83220"	21°56'29.40648"	322219.779	2427350.177
13	G	85°16'40.28700"	21°56'25.39320"	322145.361	2427227.568
14	H	85°16'41.04912"	21°56'25.04976"	322167.107	2427216.763
15	I	85°16'39.71136"	21°56'23.71524"	322128.269	2427176.146
16	J	85°17'00.67452"	21°56'07.99404"	322724.366	2426685.88
17	K	85°17'02.93568"	21°56'08.69028"	322789.486	2426706.57

DGPS SURVEYED CO-ORDINATES OF POINTS USED FOR GEOREFERENCING					
Sl-No	Pnt-No	EASTING	NORTHING	Longitude	Latitude
1	g	321934.258	2426235.678	85° 16' 33.319" E	21° 55' 53.070" N
2	geo.2	321538.428	2428627.223	85° 16' 18.588" E	21° 57' 10.674" N
3	geo.3	321950.845	2427965.762	85° 16' 33.219" E	21° 56' 49.321" N
4	geo.4	321644.103	2427587.654	85° 16' 22.679" E	21° 56' 36.916" N
5	geo.5	322285.586	2427728.342	85° 16' 44.977" E	21° 56' 41.724" N
6	geo.6	321714.448	2427271.306	85° 16' 25.254" E	21° 56' 26.657" N
7	geo.7	321065.813	2427452.649	85° 16' 2.580" E	21° 56' 32.315" N
8	geo.8	321920.659	2427277.952	85° 16' 32.437" E	21° 56' 26.949" N
9	geo.9	320649.186	2427477.213	85° 15' 48.052" E	21° 56' 32.960" N
10	geo.10	321934.266	2426235.711	85° 16' 33.320" E	21° 55' 53.071" N
11	geo.11	320886.482	2427115.935	85° 15' 56.464" E	21° 56' 21.303" N
12	geo.12	322435.712	2427965.963	85° 16' 50.116" E	21° 56' 49.504" N
13	geo.13	322543.623	2428240.584	85° 16' 53.769" E	21° 56' 58.472" N
14	geo.14	322724.96	2428897.15	85° 16' 59.832" E	21° 57' 19.883" N
15	ne.bp.c	322245.292	2427429.848	85° 16' 43.690" E	21° 56' 32.006" N

DERIVED CO-ORDINATES OF FOREST PLOTS					
Sl-No	Pillar_id	Easting	Northing	Longitude	Latitude
1	1	322314.5485	2427022.933	85° 16' 46.263" E	21° 56' 18.802" N
2	2	322690.5403	2427041.589	85° 16' 59.357" E	21° 56' 19.546" N
3	3	322689.9998	2426771.448	85° 16' 59.444" E	21° 56' 10.763" N
4	4	322624.3167	2426768.163	85° 16' 57.156" E	21° 56' 10.633" N
5	5	322689.8853	2426714.237	85° 16' 59.462" E	21° 56' 8.903" N
6	6	322876.0013	2427050.907	85° 17' 5.816" E	21° 56' 19.916" N

AREA STATISTICS OF FOREST PLOTS PROPOSED TO BE DIVERTED						
Sl-No	Village-Name	PLOT No	Maparea_Ac	RORarea_Ac	Maparea_Ha	RORarea_Ha
0	Segasahi-Sh1	245	68.326	67.89	27.651	27.475
1	Segasahi-Sh3	379	18.296	18.67	7.404	7.556
2	Segasahi-Sh3	380	0.464	0.63	0.188	0.255
3	Segasahi-Sh3	378	14.731	14.48	5.962	5.86
Total area =			101.817	101.67	41.205	41.146

The DGPS survey of forest areas proposed for diversion within ORSAC surveyed ML boundary of Iron Ore Mines in the village Sagasahi of M/S National Enterprises has been carried out by the user agency through M/S. Natural Resources Management & Techno-Consultancy Services, Barbil.

The submitted survey co-ordinates are verified by ORSAC. Also the submitted .shp file map showing forest areas proposed for diversion is verified with geo-referenced cadastral sheets and compared with Ortho-rectified Cartosat Satellite image and found to be correct at a confidence level of 95%.

As shown in the map the total forest areas proposed for diversion comes in one patch (covering the total ML area) in 2 cadastral sheets of village Sagasahi and took out to 41.205 Ha. from the submitted .shp files against the mentioned 41.146 Ha. in the submitted ROR.

Legend

- ML Pillars
- Georeferencing Point
- Derived points
- ML Boundary
- Forest Plots

Prepared by:
NATURAL RESOURCES MANAGEMENT & TECHNO-CONSULTANCY SERVICES

Dato P. P. P. P.
 AUTHORIZED SIGNATORY

Deputy Director of Mines
 Koira
 - Dr. Sundar Singh

COUNTERSIGNED
 Divisional Forest Officer
 Barbil Division

RANGE OFFICER
 KOIRA FOREST RANGE

Sub-Division
 KOIRA

24/5/19

