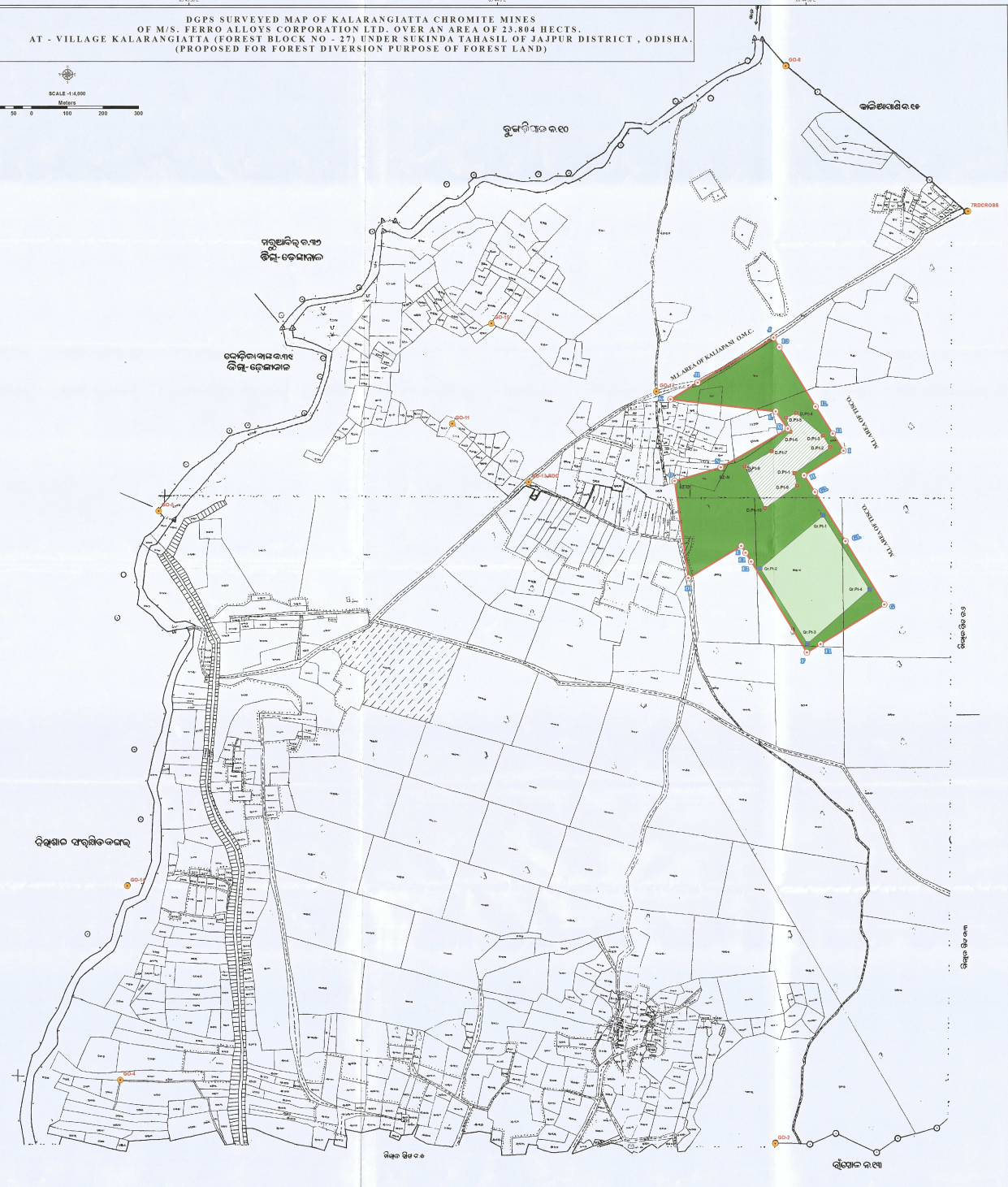
DGPS SURVEYED MAP OF KALARANGIATTA CHROMITE MINES OF M/S. FERRO ALLOYS CORPORATION LTD. OVER AN AREA OF 23.804 HECTS. AT - VILLAGE KALARANGIATTA (FOREST BLOCK NO - 27) UNDER SUKINDA TAHASIL OF JAJPUR DISTRICT , ODISHA. (PROPOSED FOR FOREST DIVERSION PURPOSE OF FOREST LAND)



CO-ORDINATE OF ML. PILLARS									
ORSAC SURVEYED CO-ORDINATES					NEW DGPS SURVEYED CO-ORDINATES				
PILLAR-NO	EASTING	NORTHING	LONGITUDE	LATITUDE	PILLAR-NO	EASTING	NORTHING	LONGITUDE	LATITUDE
D1	368913.123	2324733.413	85°44'18.97800"	21°01'07.27392"	D1	368912.653	2324733.906	E85°44'18.96168"	N21°01'07.28973"
E	369061.249	2324825.000	85°44'24.08352"	21°01'10.29036"	E	369061.003	2324824.713	E85°44'24.07497"	N21°01'10.28087"
E1	369083.561	2324803.420	85°44'24.86220"	21°01'09.59412"	E1	369072.958	2324805.199	E85°44'24.49438"	N21°01'09.64935"
E2	369088.428	2324780.351	85°44'25.03680"	21°01'08.84532"	E2	369088.281	2324780.625	E85°44'25.03181"	N21°01'08.85413"
F	369246.156	2324524.242	85°44'30.56964"	21°01'00.55704"	F	369245.690	2324524.776	E85°44'30.55348"	N21°01'00.57415"
F1	369284.082	2324547.146	85°44'31.87716"	21°01'01.31160"	F1	369283.383	2324548.068	E85°44'31.85261"	N21°01'01.34128"
G	369463.159	2324658.143	85°44'38.04900"	21°01'04.96704"	G	369462.557	2324659.469	E85°44'38.02780"	N21°01'05.00981"
G1	369354.423	2324836.472	85°44'34.23444"	21°01'10.73856"	G1.	369353.836	2324837.050	E85°44'34.21397"	N21°01'10.75710"
G2	369268.966	2324975.308	85°44'31.23672"	21°01'15.23172"	G-2	369268.719	2324975.205	E85°44'31.23819"	N21°01'15.23180"
H	369238.876	2325022.317	85°44'30.18192"	21°01'16.75272"	H	369238.928	2325022.367	E85°44'30.18540"	N21°01'16.75408"
I	369349.384	2325090.352	85°44'33.99072"	21°01'18.99336"	I	369349.374	2325091.300	E85°44'33.99108"	N21°01'19.00402"
I1	369319.625	2325138.557	85°44'32.94672"	21°01'20.55360"	I1	369319.007	2325139.087	E85°44'32.92536"	N21°01'20.57957"
I2	369272.752	2325215.108	85°44'31.30260"	21°01'23.03112"	I2	369270.657	2325215.124	E85°44'31.229785"	N21°01'23.03080"
I3	369169.917	2325380.903	85°44'27.69540"	21°01'28.39620"	I-3	369169.835	2325381.589	E85°44'27.69591"	N21°01'28.41453"
J	369149.985	2325411.370	85°44'26.99664"	21°01'29.38188"	J	369153.137	2325408.667	E85°44'27.10666"	N21°01'29.29437"
J1	368940.679	2325282.216	85°44'19.78224"	21°01'25.12812"	J1	368940.317	2325282.751	E85°44'19.76739"	N21°01'25.14551"
K	368864.511	2325235.220	85°44'17.15712"	21°01'23.58012"	K	368864.047	2325235.748	E85°44'17.14086"	N21°01'23.59730"
L	369155.408	2325202.519	85°44'27.24144"	21°01'22.59156"	L	369158.965	2325201.578	E85°44'27.36503"	N21°01'22.561785"
M	369188.454	2325149.198	85°44'28.40064"	21°01'20.86608"	M.	369193.067	2325153.019	E85°44'28.55936"	N21°01'20.992200"
N	369005.053	2325044.631	85°44'22.07688"	21°01'17.41836"	N	369004.621	2325045.152	E85°44'22.06197"	N21°01'17.43518"
O	368875.531	2325006.601	85°44'17.60136"	21°01'16.14828"	O	368875.036	2325007.114	E85°44'17.58408"	N21°01'16.16492"

CO-ORDINATES OF DUMP & QUARRY				
PILLAR-NO	EASTING	NORTHING	LONGITUDE	LATITUDE
D.Pt-1	369212.035	2325028.695	E85°44'29.25032"	N21°01'16.95317"
D.Pt-2	369311.920	2325101.502	E85°44'32.69004"	N21°01'19.34646"
D.Pt-3	369291.827	2325133.916	E85°44'31.98528"	N21°01'20.39544"
D.Pt-4	369216.731	2325197.577	E85°44'29.36489"	N21°01'22.44650"
D.Pt-5	369187.889	2325184.337	E85°44'28.37151"	N21°01'22.00853"
D.Pt-6	369200.009	2325144.215	E85°44'28.80227"	N21°01'20.70684"
D.Pt-7	369147.132	2325090.536	E85°44'26.98549"	N21°01'18.94762"
D.Pt-8	369071.332	2325047.876	E85°44'24.37176"	N21°01'17.54087"
D.Pt-9	369219.252	2324993.753	E85°44'29.50983"	N21°01'15.81869"
D.Pt-10	369127.893	2324930.628	E85°44'26.36281"	N21°01'13.74242"
Qr.Pt-1	369291.076	2324910.011	E85°44'32.02034"	N21°01'13.11378"
Qr.Pt-2	369113.242	2324761.760	E85°44'25.90149"	N21°01'08.24533"
Qr.Pt-3	369246.589	2324549.646	E85°44'30.57784"	N21°01'01.38319"
Qr.Pt-4	369421.225	2324701.843	E85°44'36.58483"	N21°01'06.37737"

DGPS CO-ORDINATE OF GEO-REFERNECE POINT				
ID	EASTING	NORTHING	LONGITUDE	LATITUDE
7RDCROSS	369699.195	2325762.467	E85°44'45.92386"	N21°01'40.94036"
GO-1	368895.750	2324384.578	E85°44'18.47181"	N21°00'55.92512"
GO-2	369155.394	2323146.135	E85°44'27.80094"	N21°00'15.71706"
GO-4	367320.474	2323325.429	E85°43'24.20661"	N21°00'21.07439"
GO-5	367428.015	2324922.736	E85°43'27.52385"	N21°01'13.04731"
GO-8	369130.727	2326170.616	E85°44'18.20029"	N21°01'54.08337"
GO-11	368252.087	2325167.183	E85°43'55.96390"	N21°01'21.20990"
GO-12	368824.420	2325257.885	E85°44'15.76230"	N21°01'24.30701"
GO-13-RDC	368466.426	2325003.348	E85°44'03.43270"	N21°01'15.93725"
GO-14	367339.540	2323873.639	E85°43'24.71523"	N21°00'38.90723"
GO-15	368362.038	2325448.481	E85°43'59.69484"	N21°01'30.38619"

PLOT WISE AREA STATISTICTS OF FOREST LAND OF KALARANGIATTA CHROMITE MINES UNDER KALARANGIATTA VILLAGE					
SL.NO	PLOT	CLASS	MAP AREA IN HA.	ALLOTED AREA IN Ac.	ALLOTED AREA IN Ha.
1	42	FOREST LAND OTHER BROKEN	0.111	0.4	0.162
2	47	FOREST LAND OTHER BROKEN	3.291	7.49	3.031
3	48	FOREST LAND OTHER BROKEN	0.278	0.73	0.295
4	78	FOREST LAND OTHER BROKEN	0.011	0.03	0.012
5	83	FOREST LAND OTHER BROKEN	0.032	0.06	0.024
6	85	FOREST LAND OTHER BROKEN	0.431	0.95	0.384
7	114	FOREST LAND OTHER BROKEN	0.094	0.25	0.101
8	214	FOREST LAND OTHER BROKEN	0.158	0.4	0.162
9	215	DUMP	2.662		
10		FOREST LAND OTHER BROKEN	3.134	14.05	5.686
11	158	FOREST LAND OTHER BROKEN	0.827		
12		QUARRY	0.691	3.85	1.558
13		DUMP	0.08		
14	259	FOREST LAND OTHER BROKEN	3.152		
15		QUARRY	4.991	20	8.094
16	260	FOREST LAND OTHER BROKEN	0.037	0.18	0.073
17	266	FOREST LAND OTHER BROKEN	3.579	9.89	4.002
18	303	FOREST LAND OTHER BROKEN	0.044	0.08	0.032
19	304	FOREST LAND OTHER BROKEN	0.089	0.25	0.101
20	1663	FOREST LAND OTHER BROKEN	0.11	0.2	0.081
		TOTA AREA	23.804	58.81	23.798

- DGPS Survey of forest areas proposed for diversion within revised ML area of Kalarangiata Chromite Mines of M/s. FACOR Ltd. in Jajpur District has been carried out by the user agency through M/s. DCS Pvt. Ltd., Bhubaneswar.
- The co-ordinates of ML pillars which are jointly surveyed to delineate the revised ML boundary are verified by ORSAC. The revised ML area works out to 23.804 Ha. from the submitted skip files against the mentioned 23.798 Ha. in the submitted land schedule.
- The jointly surveyed ML boundary is submitted at ORSAC which is forwarded to the concerned department. This revised ML boundary area has been used for survey and mapping of forest areas proposed for diversion.
- DGPS survey co-ordinates used for forest diversion proposal has been verified by ORSAC. Also the maps showing forest areas proposed for diversion are verified with geo-referenced cadastral sheets and surveyed points and compared with orthorectified contested satellite image and found that the maps are correct at a confidence level of 95%.
- All the forest areas proposed for diversion comes in the cadastral sheets of Kalarangiata village and are under revenue forest category.
- Total forest areas proposed for diversion works out to 23.804 Ha. from the submitted skip files included 15.93 Ha. broken forest (other than dump) and broken forest (including dump) against the mentioned total forest areas 23.798 Ha. in the submitted land schedule.

Deputy Director Mines
Jajpur Road

TAHASILDAR
SUKINDA

REVENUE INSPECTOR
KANKADPAL

Divisional Forest Officer
Cuttack Forest Division

Forest Range Off-
Sukinda Range

Asst. Conservator of Forests
Cuttack Forest Division.

LEGEND

- ML PILLARS
- DUMP POINT (D.Pt)
- QUARRY POINT (Qr.Pt)
- GEO-REFERNCE POINT
- ML. BOUNDARY
- FORESTLAND (OTHER BROKEN -UP AREA)
- FOREST LAND (QUARRY)
- FOREST LAND (DUMP)

DGPS Survey Conducted by

DIGITAL CARTOGRAPHY & SERVICES PVT. LTD.
DIRECTOR

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