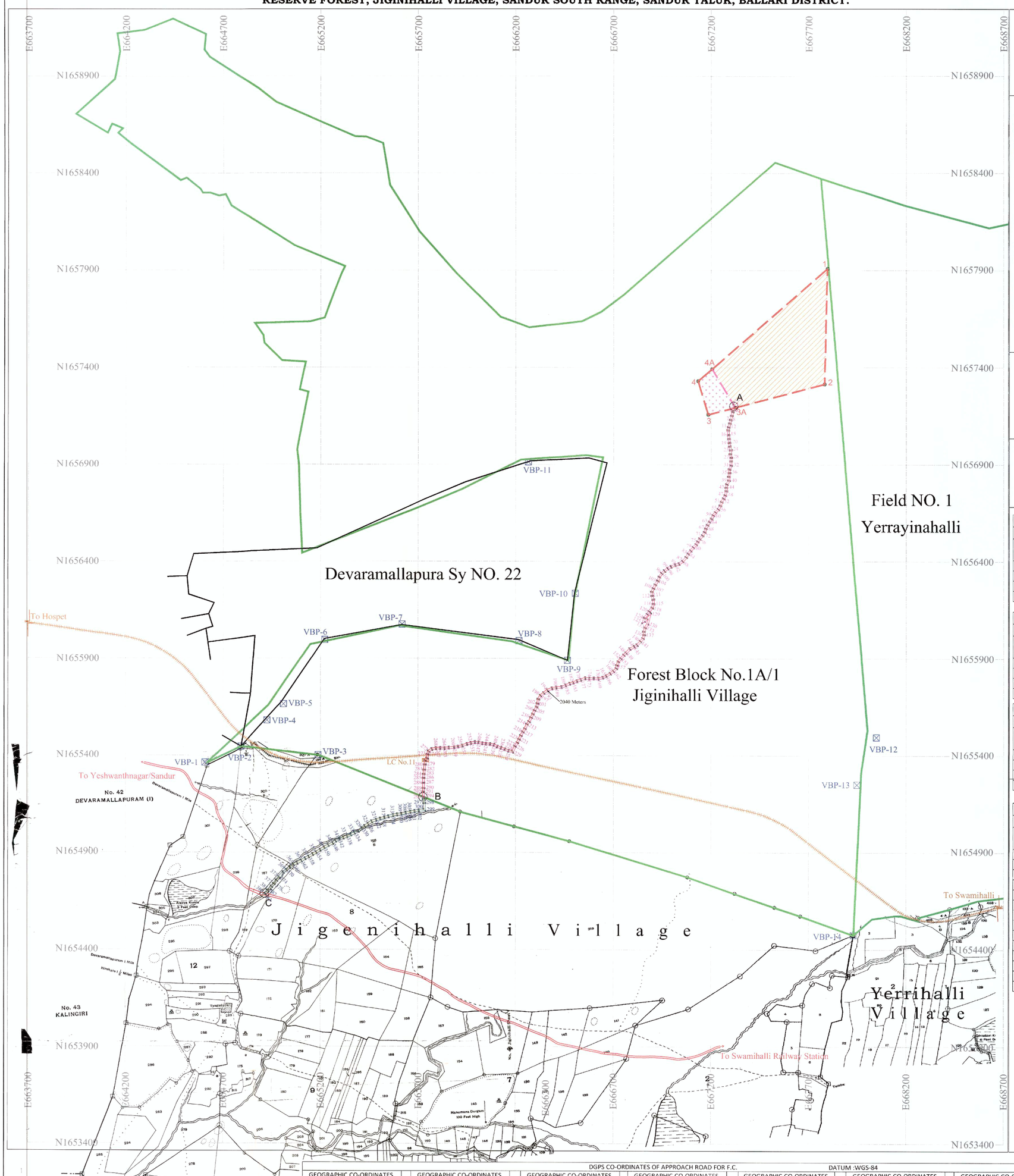
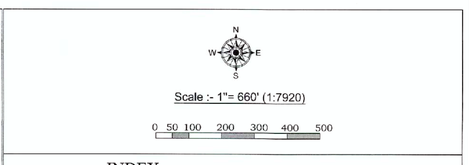
PLAN SHOWING THE PROPOSED APPROACH ROAD TO AN EXTENT OF 3.028 HA TO M/S. MARWA MINING COMPANY, M.L.NO. 2482, ML AREA 22.45 HA IN TUMBARAGUDDI RESERVE FOREST, JIGINIHALLI VILLAGE, SANDUR SOUTH RANGE, SANDUR TALUK, BALLARI DISTRICT.





INDEX

- MINE LEASE BOUNDARY AS PER CEC (24.82 Ha.)
- SURRENDERED AREA BOUNDARY (02.37 Ha.)
- REMAINING AREA BOUNDARY (22.45 Ha.)
- DGPS POINTS OF LEASE BOUNDARY
- DGPS POINTS OF REVENUE / FOREST BOUNDARY POINTS
- VILLAGE MAP OF JIGENIHALLI & YERRENAHALLI
- RAILWAY TRACK
- TUMBAGUDDI RESERVE FOREST BOUNDARY AS PER RF MAP
- EXISTING APPROACH ROAD IN FOREST AREA
- EXISTING APPROACH ROAD IN REVENUE AREA
- RAILWAY CROSSING GATE
- CARRIAGE WAY
- SHOULDER
- DRAIN

BOUNDARIES

NORTH :- M. L. BLOCK OF M/s GADIGI MINERAL MINING CO.
SOUTH :- SY. NO. 1A/1
EAST :- M. L. BLOCK OF M/s GADIGI MINERAL MINING CO.
WEST :- SY. NO. 1A/1

LEASE AREA DETAILS	EXTENT
AREA AFTER DIGITIZING OF LEASE PLAN (as per CEC)	24.82 Ha.
SURRENDERED AREA	02.37 Ha.
REMAINING AREA	22.45 Ha.

DGPS CO-ORDINATES OF LEASE BOUNDARY (AS PER CEC) POINTS
EXTENT 24.82 Ha. DATUM :WGS-84

Point ID	GEOGRAPHIC CO-ORDINATES		UTM CO-ORDINATES	
	Latitude	Longitude	Northing	Easting
1	14°59'27.20462"	76°33'37.98116"	1657909.591	667796.008
2	14°59'07.86011"	76°33'37.35652"	1657314.938	667781.536
3	14°59'02.88648"	76°33'17.35994"	1657157.882	667185.214
4	14°59'08.51784"	76°33'15.68626"	1657330.602	667133.999

DGPS CO-ORDINATES OF SURRENDERED AREA BOUNDARY POINTS
EXTENT 02.37 Ha. DATUM :WGS-84

Point ID	GEOGRAPHIC CO-ORDINATES		UTM CO-ORDINATES	
	Latitude	Longitude	Northing	Easting
3	14°59'02.88648"	76°33'17.35994"	1657157.882	667185.214
3A	14°59'04.04187"	76°33'22.02309"	1657194.369	667324.276
4	14°59'08.51784"	76°33'15.68626"	1657330.602	667133.999
4A	14°59'10.52287"	76°33'18.08069"	1657392.724	667205.099

DGPS CO-ORDINATES OF LEASE BOUNDARY POINTS (REMAINING AREA)
EXTENT 22.45 Ha. DATUM :WGS-84

Point ID	GEOGRAPHIC CO-ORDINATES		UTM CO-ORDINATES	
	Latitude	Longitude	Northing	Easting
1	14°59'27.20462"	76°33'37.98116"	1657909.591	667796.008
2	14°59'07.86011"	76°33'37.35652"	1657314.938	667781.536
3A	14°59'04.04187"	76°33'22.02309"	1657194.369	667324.276
4A	14°59'10.52287"	76°33'18.08069"	1657392.724	667205.099

DGPS CO-ORDINATES OF VILLAGE / FOREST REFERENCE POINTS
DATUM :WGS-84

Point ID	GEOGRAPHIC CO-ORDINATES		UTM CO-ORDINATES	
	Latitude	Longitude	Northing	Easting
VBP-1	14°58'05.09774"	76°31'50.63034"	1655363.82	664606.446
VBP-2	14°58'07.75227"	76°31'56.84327"	1655446.683	664791.506
VBP-3	14°58'06.23987"	76°32'10.06779"	1655402.936	665186.935
VBP-4	14°58'12.08825"	76°32'01.34678"	1655580.871	664925.135
VBP-5	14°58'14.79293"	76°32'04.20484"	1655664.585	665009.949
VBP-6	14°58'25.54459"	76°32'11.35973"	1655996.496	665221.423
VBP-7	14°58'28.06592"	76°32'24.63377"	1656076.736	665617.463
VBP-8	14°58'25.15183"	76°32'44.67929"	1655991.345	666216.971
VBP-9	14°58'21.83204"	76°32'52.93273"	1655891.038	666464.266
VBP-10	14°58'33.06251"	76°32'54.37056"	1656236.486	666504.812
VBP-11	14°58'55.13566"	76°32'46.48620"	1656913.219	666264.526
VBP-12	14°58'08.57436"	76°33'45.82983"	1655494.672	668047.521
VBP-13	14°58'00.66554"	76°33'42.44012"	1655250.894	667947.958
VBP-14	14°57'35.46085"	76°33'41.68330"	1654476.111	667930.799

Approach Road Details In Forest Area

	Name of The Village	Survey Number	Distance In Meter	Width In Meter	Area In Hectare
A TO B	Jigenihalli Village	Block No.1A/1	3028	10	3.028

Approach Road Details In Non Forest Area

	Name of The Village	Survey Number	Distance In Meter	Width In Meter	Area In Hectare
B TO C	Jigenihalli Village	166/B	832	10	0.832
		168	212	10	0.212
	Total Area in Non Forest				1.044

Note:- Out of 3028 meters of forest stretch, 2040 meters in hilly terrain & balance 988 meters in plain Surface.

DGPS CO-ORDINATES OF APPROACH ROAD FOR F.C. DATUM :WGS-84

GEOGRAPHIC CO-ORDINATES			GEOGRAPHIC CO-ORDINATES			GEOGRAPHIC CO-ORDINATES			GEOGRAPHIC CO-ORDINATES			GEOGRAPHIC CO-ORDINATES			GEOGRAPHIC CO-ORDINATES			GEOGRAPHIC CO-ORDINATES			GEOGRAPHIC CO-ORDINATES			GEOGRAPHIC CO-ORDINATES		
POINT ID	LATITUDE	LONGITUDE	POINT ID	LATITUDE	LONGITUDE	POINT ID	LATITUDE	LONGITUDE	POINT ID	LATITUDE	LONGITUDE	POINT ID	LATITUDE	LONGITUDE	POINT ID	LATITUDE	LONGITUDE	POINT ID	LATITUDE	LONGITUDE	POINT ID	LATITUDE	LONGITUDE	POINT ID	LATITUDE	LONGITUDE
1	14.98450	76.55609	49	14.98019	76.55557	97	14.97684	76.55273	145	14.97331	76.55124	194	14.97137	76.54705	244	14.96891	76.54414	292	14.96665	76.54109	340	14.96457	76.53730
2	14.98461	76.55602	50	14.98024	76.55549	98	14.97690	76.55267	146	14.97321	76.55104	195	14.97124	76.54688	245	14.96892	76.54398	293	14.96642	76.54110	341	14.96451	76.53710
3	14.98427	76.55594	51	14.98009	76.55539	99	14.97678	76.55253	147	14.97328	76.55099	196	14.97117	76.54694	246	14.96884	76.54396	294	14.96638	76.54119	342	14.96442	76.53714
4	14.98425	76.55603	52	14.98005	76.55547	100	14.97672	76.55260	148	14.97309	76.55080	197	14.97106	76.54679	247	14.96888	76.54378	295	14.96631	76.54120	343	14.96434	76.53697
5	14.98406	76.55599	53	14.97987	76.55542	101	14.97657	76.55249	149	14.97302	76.55087	198	14.97112	76.54672	248	14.96897	76.54379	296	14.96630	76.54111	344	14.96441	76.53692
6	14.98408	76.55590	54	14.97990	76.55534	102	14.97662	76.55241	150	14.97293	76.55077	199	14.97095	76.54661	249	14.96899	76.54361	297	14.96610	76.54114	345	14.96431	76.53679
7	14.98390	76.55585	55	14.97975	76.55524	103	14.97643	76.55233	151	14.97299	76.55070	200	14.97091	76.54669	250	14.96890	76.54362	298	14.96611	76.54124	346	14.96423	76.53684
8	14.98387	76.55594	56	14.97970	76.55531	104	14.97639	76.55241	152	14.97283	76.55055	201	14.97071	76.54665	251	14.96886	76.54343	299	14.96575	76.54123	347	14.96414	76.53662
9	14.98371	76.55589	57	14.97955	76.55517	105	14.97621	76.55229	153	14.97277	76.55062	202	14.97073	76.54657	252	14.96895	76.54341	300	14.96584	76.54114	348	14.96422	76.53658
10	14.98373	76.55580	58	14.97961	76.55510	106	14.97625	76.55222	154	14.97263	76.55051	203	14.97057	76.54653	253	14.96890	76.54322	301	14.96582	76.54092	349	14.96412	76.53638
11	14.98355	76.55575	59	14.97946	76.55499	107	14.97604	76.55220	155	14.97268	76.55043	204	14.97054	76.54661	254	14.96881	76.54325	302	14.96572	76.54093	350	14.96404	76.53642
12	14.98353	76.55584	60	14.97942	76.55507	108	14.97608	76.55212	156	14.97249	76.55036	205	14.97038	76.54651	255	14.96874	76.54303	303	14.96569	76.54073	351	14.96392	76.53623
13	14.98341	76.55572	61	14.97926	76.55499	109	14.97591	76.55204	157	14.97247	76.55045	206	14.97042	76.54643	256	14.96883	76.54300	304	14.96579	76.54071	352	14.96400	76.53618
14	14.98340	76.55581	62	14.97930	76.55491	110	14.97589	76.55213	158	14.97231	76.55041	207	14.97025	76.54635	257	14.96878	76.54280	305	14.96575	76.54051	353	14.96390	76.53600
15	14.98319	76.55582	63	14.97916	76.55481	111	14.97572	76.55214	159	14.97235	76.55033	208	14.97021	76.54643	258	14.96870	76.54282	306	14.96566	76.54052	354	14.96382	76.53605
16	14.98318	76.55573	64	14.97912	76.55489	112	14.97571	76.55205	160	14.97224	76.55021	209	14.97005	76.54635	259	14.96866	76.54263	307	14.96562	76.54031	355	14.96372	76.53588
17	14.98300	76.55576	65	14.97897	76.55480	113	14.97553	76.55210	162	14.97217	76.55026	210	14.97009	76.54626	260	14.96875	76.54262	308	14.96571	76.54029	356	14.96380	76.53583
18	14.98301	76.55585	66	14.97902	76.55472	114	14.97554	76.55219	163	14.97206	76.55010	211	14.96990	76.54617	261	14.96873	76.54236	309	14.96566	76.54008	357	14.96369	76.53563
19	14.98282	76.55577	67	14.97885	76.55463	115	14.97533	76.55220	164	14.97214	76.55005	212	14.96985	76.54624	262	14.96865	76.54237	310	14.96557	76.54010	358	14.96361	76.53568
20	14.98283	76.55586	68	14.97882	76.55472	116	14.97534	76.55211	165	14.97202	76.54986	213	14.96974	76.54614	263	14.96863	76.54216	311	14.96554	76.53989	359	14.96353	76.53551
21	14.98266	76.55588	69	14.97865	76.55466	117	14.97517	76.55205	166	14.97195	76.54990	214	14.96978	76.54607	264	14.96871	76.54216	312	14.96563	76.53988	360	14.96361	76.53547
22	14.98264	76.55579	70	14.97868	76.55457	118	14.97513	76.55213	167	14.97187	76.54974	215	14.96957	76.54597	265	14.96872	76.54196	313	14.96560	76.53968	361	14.96351	76.53529
23	14.98248	76.55584	71	14.97853	76.55448	119	14.97496	76.55199	168	14.97195	76.54971	216	14.96953	76.54605	266	14.96863	76.54196	314	14.96551	76.53970	362	14.96343	76.53533
24	14.98248	76.55593	72	14.97848	76.55456	120	14.97501	76.55191	169	14.97182	76.54952	217	14.96938	76.54594	267	14.96863	76.54175	315	14.96545	76.53948	363	14.96332	76.53513
25	14.98230	76.55590	73	14.97833	76.55442	121	14.97487	76.55182	170	14.97191	76.54951	218	14.96943	76.54586	268	14.96872	76.54174	316	14.96554	76.53946	364	14.96340	76.53509
26	14.98230	76.55581	74	14.97839	76.55435	122	14.97482	76.55190	171	14.97192	76.54929	219	14.96925	76.54577	269	14.96867	76.54153	317	14.96550	76.53926	365	14.96333	76.53491
27	14.98213	76.55585	75	14.97825	76.55425	123	14.97466	76.55177	172	14.97183	76.54929	220	14.96921	76.54585	270	14.96859	76.54157	318	14.96541	76.53929	366	14.96324	76.53496
28	14.98214	76.55594	76	14.97820	76.55433	124	14.97471	76.55168	173	14.97183	76.54907	221	14.96905	76.54576	271	14.96851	76.54144	319	14.96535	76.53909	367	14.96312	76.53478
29	14.98196	76.55593	77	14.97806	76.55425	125	14.97444	76.55162	174	14.97192	76.54908	223	14.96909	76.54568	272	14.96856	76.54137	320	14.96544	76.53906	368	14.96320	76.53472
30	14.98196	76.55584	78	14.97812	76.55417	126	14.97450	76.55175	175	14.97194	76.54888	224	14.96892	76.54560	273	14.96840	76.54131	321	14.96539	76.53887	369	14.96308	76.53456
31	14.98177	76.55584	79	14.97798	76.55404	127	14.97463	76.55176	176	14.97185	76.54889	225	14.96888	76.54568	274	14.96838	76.54140	322	14.96530	76.53890	370	14.96300	76.53462
32	14.98175	76.55594	80	14.97793	76.55411	128	14.97461	76.55187	177	14.97178	76.54869	226	14.96872	76.54557	275	14.96818	76.54138	323	14.96523	76.53869	371	14.96290	76.53448
33	14.98158	76.55586	81	14.97778	76.55398	129	14.97488	76.55204	178	14.97186	76.54866	227	14.96876	76.54549	276	14.96822	76.54129	324	14.96531	76.53864	372	14.96296	76.53441
34	14.98159	76.55577	82	14.97783	76.55391	130	14.97437	76.55190	179	14.97180	76.54847	228	14.96854	76.54538	277	14.96811	76.54121	325	14.96519	76.53847	373	14.96274	76.53421
35	14.98142	76.55577	83	14.97769	76.55379	131	14.97441	76.55182	180	14.97171	76.54850	229	14.96844	76.54543	278	14.96808	76.54129	326	14.96512	76.53852	374	14.96267	76.53428
36	14.98142	76.55586	84	14.97764	76.55386	132	14.97424	76.55171	181	14.97165	76.54832	230	14.96849	76.54520	279	14.96791	76.54127	327	14.96502	76.53836	375	14.96253	76.53416
37	14.98124	76.55583	85	14.97747	76.55377	133	14.97420	76.55180	182	14.97174	76.54829	231	14.96858	76.54522	280	14.96792	76.54118	328	14.96510	76.53831	376	14.96259	76.53408
38	14.98124	76.55574	86	14.97753	76.55369	134	14.97403	76.55174	183	14.97168	76.54812	232	14.96864	76.54505	281	14.96767	76.54115	329	14.96500	76.53817	377	14.96243	76.53396
39	14.98107	76.55575	87	14.97735	76.55353	135	14.97405	76.55165	184	14.97160	76.54815	234	14.96856	76.54502	282	14.96766	76.54124	330	14.96492	76.53823	378	14.96237	76.53403
40	14.98104	76.55584	88	14.97729	76.55360	136	14.97389	76.55166	185	14.97152	76.54797	235	14.96862	76.54484	283	14.96746	76.54122	331	14.96479	76.53805	379	14.96224	76.53391
41	14.98087	76.55573	89	14.97716	76.55341	137	14.97388	76.55175	186	14.97160	76.54793	236	14.96871	76.54487	284	14.96747	76.54113	332	14.96487	76.53800	380	14.96231	76.53384
42	14.98090	76.55564	90	14.97724	76.55337	138	14.97370	76.55168	187	14.97153	76.54774	237	14.96877	76.54469	285	14.96729	76.54111	333	14.96479	76.53783	381	14.96212	76.53367
43	14.98073	76.55562	91	14.97718	76.55319	139	14.97375	76.55160	188	14.97144	76.54776	238	14.96869	76.54466	286	14.96728	76.54120	334	14.96470	76.53787	382	14.96206	76.53374
44	14.98072	76.55571	92	14.97710	76.55322	140	14.97361	76.55149	189	14.97142	76.54751	239	14.96876	76.54451	287	14.96705	76.54120	335	14.96462	76.53769	383	14.96192	76.53361
45	14.98056	76.55571	93	14.97703	76.55302	141	14.97355	76.55156	190	14.97151	76.54749	240	14.96884	76.54454	288	14.96705	76.54111	336	14.96470	76.53765	384	14.96198	76.53354
46	14.98057	76.55562	94	14.97711	76.55298	142	14.97338	76.55139	191	14.97146	76.54729	241	14.96888	76.54434	289	14.96682	76.54111	337	14.96463	76.53747			
47	14.98039	76.55557	95	14.97702	76.55283	143	14.97346	76.55133	192	14.97138	76.54731	242	14.96880	76.54433	290	14.96681	76.54120	338	14.96454	76.53751			
48	14.98035	76.55565	96	14.97695	76.55288	144	14.97338	76.55120	193	14.97130	76.54710	243	14.96882	76.54414	291	14.96665	76.54118	339	14.96448	76.53733			

For Marwa mining Company

Authorised Signatory

MARWA MINING COMPANY ML No: 2482 SANDUR