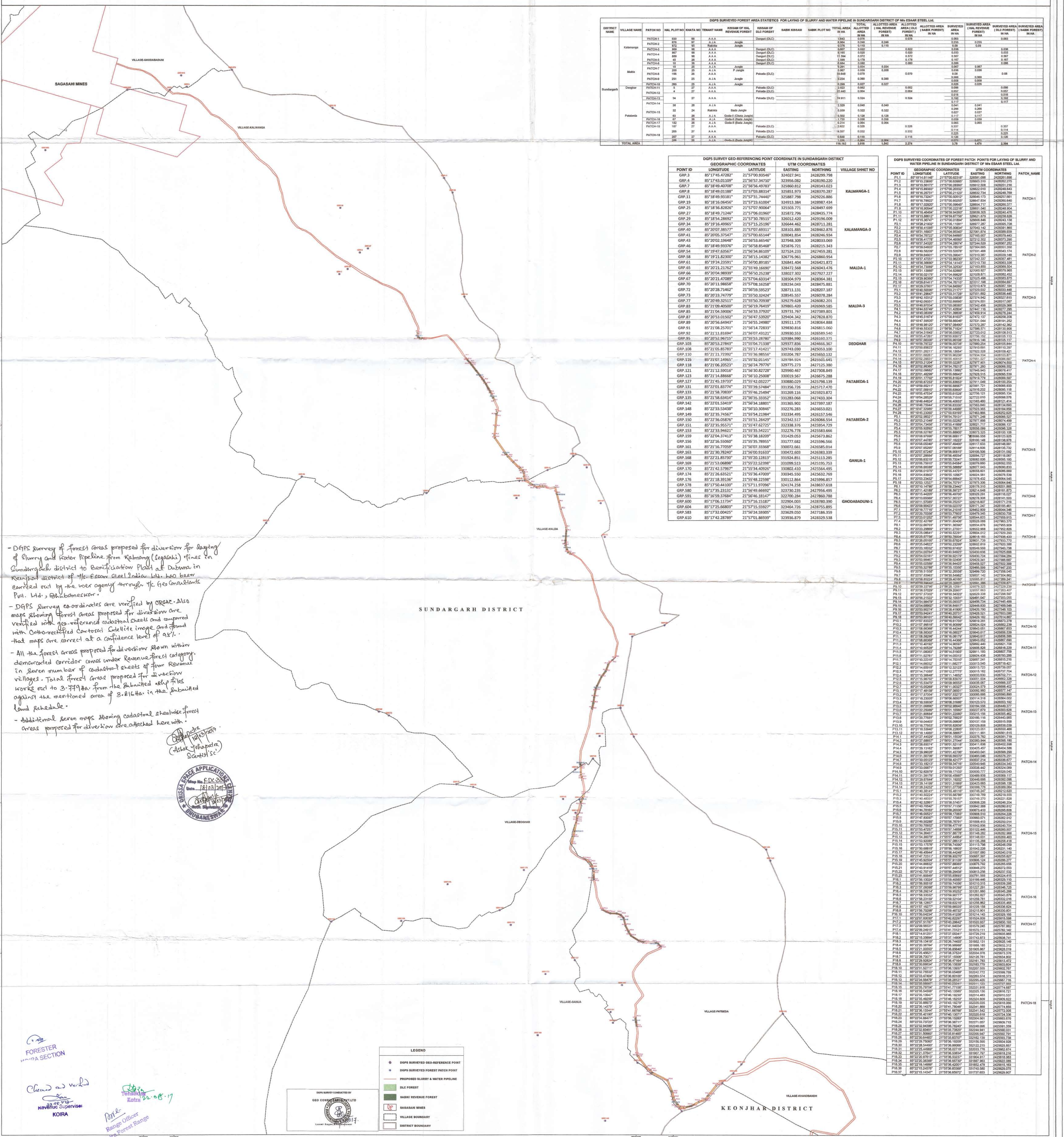


PROJECT INDEX MAP
DGPS SURVEYED MAP OF THE PROPOSED PIPELINE FROM SAGASAH MINES (KOIDA)
TO THE DABUNA PLANT SITE OF M/s ESSAR STEEL INDIA LTD.IN SUNDARGARH DISTRICT



DGPS SURVEYED FOREST AREA STATISTICS FOR LAYING OF SLURRY AND WATER PIPELINE IN SUNDARGARH DISTRICT OF M/S ESSAR STEEL LTD.																	
DISTRICT NAME	VILLAGE NAME	PATCH NO	HAL PLOT NO	SHATA NO	TENANT NAME	KIRAM OF HAL REVENUE FOREST	KIRAM OF DULC FOREST	SABKI KIRAM	SABKI PLOT NO	TOTAL AREA (HAL REVENUE FOREST) IN HA	TOTAL ALLOTTED AREA (DULC FOREST) IN HA	SURVEYED AREA (HAL REVENUE FOREST) IN HA	SURVEYED AREA (DULC FOREST) IN HA	SURVEYED AREA (SABKI FOREST) IN HA			
Kalamang	Kalamang	PATCH-1	89	28	A.A.A.	Jungle	Desert (D.C.)			1.643	0.035	0.045	0.035	0.065			
		PATCH-2	89	27	A.A.A.	Jungle	Desert (D.C.)			0.374	0.115	0.035	0.035	0.035			
		PATCH-3	89	26	A.A.A.	Jungle	Desert (D.C.)			0.507	0.032	0.035	0.035	0.035			
		PATCH-4	89	25	A.A.A.	Jungle	Desert (D.C.)			0.507	0.032	0.035	0.035	0.035			
		PATCH-5	89	24	A.A.A.	Jungle	Desert (D.C.)			0.507	0.032	0.035	0.035	0.035			
Mato	Mato	PATCH-6	19	28	A.A.A.	Jungle	Desert (D.C.)			1.584	0.072	0.035	0.035	0.035			
		PATCH-7	19	27	A.A.A.	P.Jungle	Desert (D.C.)			0.507	0.032	0.035	0.035	0.035			
		PATCH-8	19	26	A.A.A.	P.Jungle	Desert (D.C.)			0.507	0.032	0.035	0.035	0.035			
		PATCH-9	19	25	A.A.A.	P.Jungle	Desert (D.C.)			0.507	0.032	0.035	0.035	0.035			
		PATCH-10	19	24	A.A.A.	P.Jungle	Desert (D.C.)			0.507	0.032	0.035	0.035	0.035			
Dongur	Dongur	PATCH-11	200	28	A.A.A.	Jungle	Phabla (D.C.)			0.967	0.058	0.035	0.035	0.035			
		PATCH-12	200	27	A.A.A.	P.Jungle	Phabla (D.C.)			0.448	0.068	0.035	0.035	0.035			
		PATCH-13	200	26	A.A.A.	Jungle	Phabla (D.C.)			0.224	0.360	0.360	0.360	0.360			
		PATCH-14	200	25	A.A.A.	Jungle	Phabla (D.C.)			0.289	0.027	0.027	0.027	0.027			
		PATCH-15	200	24	A.A.A.	Jungle	Phabla (D.C.)			0.289	0.064	0.064	0.064	0.064			
Patada	Patada	PATCH-16	34	27	A.A.A.	Jungle	Phabla (D.C.)			19.911	0.324	0.324	0.192	0.192			
		PATCH-17	34	26	A.A.A.	Jungle	Phabla (D.C.)			0.358	0.027	0.027	0.027	0.027			
		PATCH-18	34	25	A.A.A.	Jungle	Phabla (D.C.)			0.358	0.027	0.027	0.027	0.027			
		PATCH-19	34	24	A.A.A.	Jungle	Phabla (D.C.)			0.358	0.027	0.027	0.027	0.027			
		PATCH-20	34	23	A.A.A.	Jungle	Phabla (D.C.)			0.358	0.027	0.027	0.027	0.027			
TOTAL AREA											116.183	2.816	1.944	2.374	5.78	1.471	2.204

DGPS SURVEY GEO-REFERENCING POINT COORDINATE IN SUNDARGARH DISTRICT											
POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING	VILLAGE SHET NO	UTM COORDINATES	UTM COORDINATES	UTM COORDINATES	UTM COORDINATES	UTM COORDINATES	UTM COORDINATES
GRP.3	85°17'45.47282"	21°57'00.93545"	324027.941	242299.798	KALMANG-1	324027.941	242299.798	324027.941	242299.798	324027.941	242299.798
GRP.4	85°17'45.01109"	21°56'57.34710"	323956.082	242190.220		323956.082	242190.220	323956.082	242190.220	323956.082	242190.220
GRP.7	85°18'40.40708"	21°56'56.40708"	323680.812	242013.023		323680.812	242013.023	323680.812	242013.023	323680.812	242013.023
GRP.8	85°18'40.01188"	21°57'03.88314"	325851.973	242370.287		325851.973	242370.287	325851.973	242370.287	325851.973	242370.287
GRP.11	85°18'40.93181"	21°57'31.74440"	325887.798	242926.886		325887.798	242926.886	325887.798	242926.886	325887.798	242926.886
GRP.19	85°18'16.06450"	21°57'23.61004"	324913.384	242897.454	KALMANG-3	324913.384	242897.454	324913.384	242897.454	324913.384	242897.454
GRP.25	85°18'36.82820"	21°57'07.60064"	325503.771	242847.689		325503.771	242847.689	325503.771	242847.689	325503.771	242847.689
GRP.27	85°18'49.71246"	21°57'06.01960"	325872.796	242843.774		325872.796	242843.774	325872.796	242843.774	325872.796	242843.774
GRP.29	85°18'54.28692"	21°57'30.78515"	326012.420	242916.009		326012.420	242916.009	326012.420	242916.009	326012.420	242916.009
GRP.34	85°19'16.49661"	21°57'15.12196"	326544.462	242871.128		326544.462	242871.128	326544.462	242871.128	326544.462	242871.128
GRP.40	85°20'07.38577"	21°57'07.69311"	328101.885	242862.876	MALDA-1	328101.885	242862.876	328101.885	242862.876	328101.885	242862.876
GRP.41	85°20'05.37547"	21°57'00.65144"	328041.854	242824.934		328041.854	242824.934	328041.854	242824.934	328041.854	242824.934
GRP.43	85°20'02.19648"	21°56'53.66548"	327946.309	242803.069		327946.309	242803.069	327946.309	242803.069	327946.309	242803.069
GRP.46	85°18'40.93181"	21°56'58.84848"	325872.798	242843.774		325872.798	242843.774	325872.798	242843.774	325872.798	242843.774
GRP.54	85°19'47.63567"	21°56'54.86109"	327524.233	242749.281		327524.233	242749.281	327524.233	242749.281	327524.233	242749.281
GRP.58	85°19'21.82300"	21°56'15.14382"	326776.561	242680.954	MALDA-3	326776.561	242680.954	326776.561	242680.954	326776.561	242680.954
GRP.61	85°19'24.23591"	21°56'00.89185"	326841.404	242647.872		326841.404	242647.872	326841.404	242647.872	326841.404	242647.872
GRP.65	85°20'21.21762"	21°55'59.16600"	328472.568	242604.376		328472.568	242604.376	328472.568	242604.376	328472.568	242604.376
GRP.66	85°20'04.98939"	21°56'20.25738"	328027.302	242797.227		328027.302	242797.227	328027.302	242797.227	328027.302	242797.227
GRP.67	85°20'24.47089"	21°57'04.63314"	328504.979	242836.381		328504.979	242836.381	328504.979	242836.381	328504.979	242836.381
GRP.70	85°20'13.98688"	21°57'08.16238"	328234.343	242847.581	MALDA-3	328234.343	242847.581	328234.343	242847.581	328234.343	242847.581
GRP.72	85°20'28.71402"	21°56'58.98233"	328711.131	242807.187		328711.131	242807.187	328711.131	242807.187	328711.131	242807.187
GRP.73	85°20'23.74779"	21°55'50.32424"	328545.557	242670.284		328545.557	242670.284	328545.557	242670.284	328545.557	242670.284
GRP.77	85°20'48.32511"	21°55'50.70938"	329279.628	242608.201		329279.628	242608.201	329279.628	242608.201	329279.628	242608.201
GRP.83	85°21'08.40507"	21°56'19.79419"	329865.420	242690.585		329865.420	242690.585	329865.420	242690.585	329865.420	242690.585
GRP.85	85°21'04.59006"	21°56'53.37920"	329731.767	242789.801	DEOGHAR	329731.767	242789.801	329731.767	242789.801	329731.767	242789.801
GRP.87	85°20'53.01502"	21°56'47.53920"	329404.342	242788.870		329404.342	242788.870	329404.342	242788.870	329404.342	242788.870
GRP.89	85°20'56.64943"	21°56'54.24880"	329511.175	242804.888		329511.175	242804.888	329511.175	242804.888	329511.175	242804.888
GRP.91	85°21'08.35701"	21°56'14.78833"	329800.816	242681.500		329800.816	242681.500	329800.816	242681.500	329800.816	242681.500
GRP.92	85°21'11.81694"	21°56'07.43121"	329930.553	242650.540		329930.553	242650.540	329930.553	242650.540	329930.553	242650.540
GRP.95	85°20'52.96713"	21°55'53.28780"	329384.990	242610.375	PATABEDA-1	329384.990	242610.375	329384.990	242610.375	329384.990	242610.375
GRP.103	85°20'54.37694"	21°55'04.71338"	329377.836	242466.367		329377.836	242466.367	329377.836	242466.367	329377.836	242466.367
GRP.108	85°21'05.82785"	21°55'17.43421"	329743.030	242530.330		329743.030	242530.330	329743.030	242530.330	329743.030	242530.330
GRP.110	85°21'21.72392"	21°55'36.98556"	330204.787	242560.132		330204.787	242560.132	330204.787	242560.132	330204.787	242560.132
GRP.116	85°21'07.14905"	21°55'52.01145"	329784.924	242550.141		329784.924	242550.141	329784.924	242550.141	329784.924	242550.141
GRP.118	85°21'06.30523"	21°56'14.79776"	329775.273	242712.380	PATABEDA-2	329775.273	242712.380	329775.273	242712.380	329775.273	242712.380
GRP.121	85°21'14.59016"	21°56'30.82728"	329960.467	242730.849		329960.467	242730.849	329960.467	242730.849	329960.467	242730.849
GRP.123	85°21'14.88668"	21°56'10.25008"	330013.567	242675.288		330013.567	242675.288	330013.567	242675.288	330013.567	242675.288
GRP.127	85°21'45.19735"	21°55'42.02277"	330880.029	242578.139		330880.029	242578.139	330880.029	242578.139	330880.029	242578.139
GRP.131	85°21'01.83747"	21°55'59.31484"	331356.725	242571.470		331356.725	242571.470	331356.725	242571.470	331356.725	242571.470
GRP.133	85°21'58.70839"	21°55'46.25494"	331269.116	242523.872	GANUA-1	331269.116	242523.872	331269.116	242523.872	331269.116	242523.872
GRP.135	85°21'58.63414"	21°55'55.31352"	331283.068	242433.304		331283.068	242433.304	331283.068	242433.304	331283.068	242433.304
GRP.142	85°22'01.53419"	21°56'04.18801"	331365.902	242797.187		331365.902	242797.187	331365.902	242797.187	331365.902	242797.187
GRP.148	85°22'33.53438"	21°56'10.30846"	332763.263	242663.021		332763.263	242663.021	332763.263	242663.021	332763.263	242663.021
GRP.149	85°22'35.74567"	21°55'54.21984"	332334.495	242615.547		332334.495	242615.547	332334.495	242615.547	332334.495	242615.547
GRP.150	85°22'36.05876"	21°55'51.26429"	332342.517	242606.654	PATABEDA-2	332342.517	242606.654	332342.517	242606.654	332342.517	242606.654
GRP.151	85°22'35.95711"	21°55'57.62751"	332338.376	242594.729		332338.376	242594.729	332338.376	242594.729	332338.376	242594.729
GRP.153	85°22'39.94621"	21°55'55.54221"	332276.778	242558.666		332276.778	242558.666	332276.778	242558.666	332276.778	242558.666
GRP.159	85°22'04.37413"	21°55'58.18209"	331429.053	242567.862		331429.053	242567.862	331429.053	242567.862	331429.053	242567.862
GRP.156	85°22'16.55060"	21°55'55.78955"	331777.682	242556.656		331777.682	242556.656	331777.682	242556.656	331777.682	242556.656