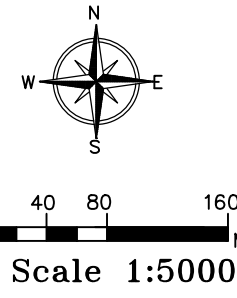
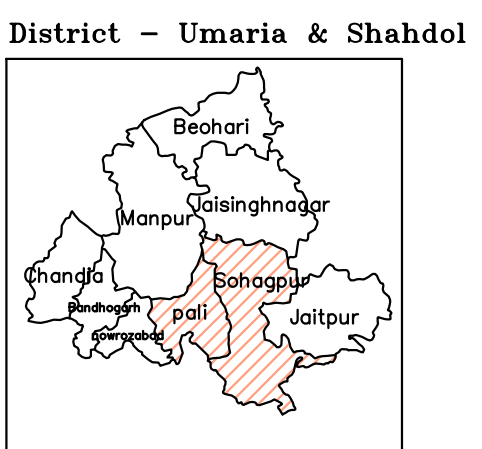
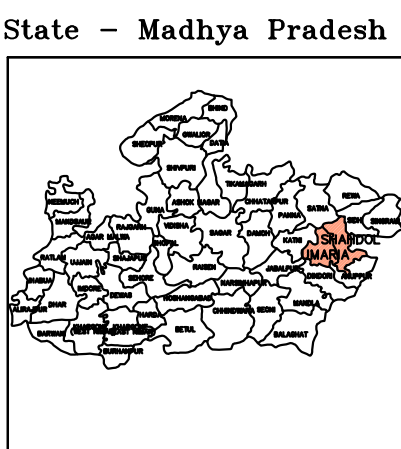


Surface Plan depicting proposed Infrastructure For Coal Block area held by SARD ENERGY AND MINERALS LIMITED
in Village -Khamaria Kalan, Khamaria Khurd, Kosmaha Khurd, Shahpur & Kathotia, Tehsil - Pali & Sohagpur, District - Umaria & Shahdol, State - Madhya Pradesh.
SAHAPUR WEST COAL BLOCK - AREA - 619.000 Ha.

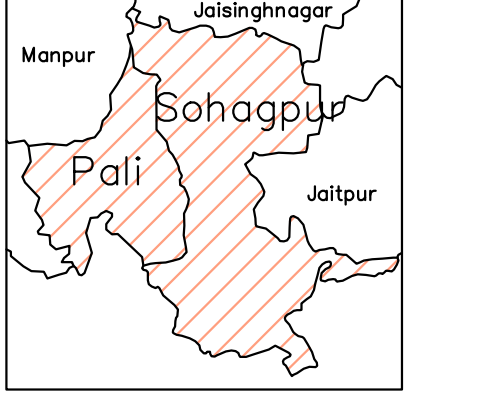
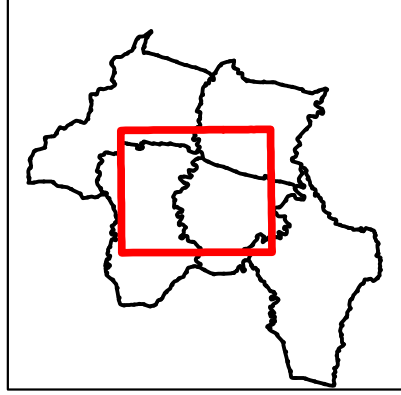


DATUM : WGS 84 PROJECTION : UTM ZONE 44

LOCATION MAP



Village -Khamaria Kalan, Khamaria Khurd,
Kosmaha Khurd, Shahpur & Kathotia Tehsil - Pali & Sohagpur



LEGEND

- Mining Lease Boundary
- Revenue Plot With No.
- Reserved Forest Land
- Protected Forest Land
- Revenue Forest Land (Govt.)
- Gov. Non Forest Land (Govt.)
- Road / Cart Track
- Nalla / River
- Village Boundary
- District Boundary
- DGPS Boundary Pillar
- Green Belt

Component wise breakup

S.no	Component	Forest Land (ha)	Non-Forest Land (ha)
1	Topsoil Dump	0	0.03
2	Infrastructure Area	0	5.378
3	Green Belt	0	8.02
4	Settling Ponds	0	0.2
5	UG Entry	0	0.3
6	Road	0.895	1.886
7	Undisturbed Area (Mining as per Scientific Study)	79.695	522.596
Total		80.59	538.41

LIST OF DGPS BOUNDARY PILLAR CO-ORDINATE

SR.NO.	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	P-1	81°17'10.594"	23°15'32.476"	529281.821	257222.754
2	P-2	81°17'17.447"	23°15'32.593"	529476.526	257222.737
3	P-3	81°17'21.042"	23°15'32.606"	529578.669	257222.734
4	P-4	81°17'24.637"	23°15'32.620"	529680.812	257222.795
5	P-5	81°17'28.232"	23°15'32.633"	529782.955	257222.579
6	P-6	81°17'31.826"	23°15'32.646"	529885.069	257222.184
7	P-7	81°17'35.421"	23°15'32.659"	529987.212	257222.790
8	P-8	81°17'39.016"	23°15'32.672"	530089.355	257223.397
9	P-9	81°17'42.611"	23°15'32.686"	530191.498	257223.035
10	P-10	81°17'46.205"	23°15'32.699"	530293.613	257223.642
11	P-11	81°17'49.800"	23°15'32.712"	530395.756	257223.251
12	P-12	81°17'53.395"	23°15'32.725"	530497.899	257222.860
13	P-13	81°17'56.990"	23°15'32.738"	530600.042	257223.470
14	P-14	81°18'0.584"	23°15'32.751"	530702.156	257223.081
15	P-15	81°18'4.179"	23°15'32.764"	530804.299	257223.692
16	P-16	81°18'7.774"	23°15'32.777"	530906.442	257223.305
17	P-17	81°18'11.369"	23°15'32.790"	531008.585	257223.917
18	P-18	81°18'14.964"	23°15'32.803"	531110.728	257223.517
19	P-19	81°18'18.558"	23°15'32.816"	531212.843	257223.145
20	P-20	81°18'22.153"	23°15'32.829"	531314.986	257223.760
21	P-21	81°18'25.748"	23°15'32.842"	531417.129	257223.376
22	P-22	81°18'29.343"	23°15'32.855"	531519.272	257223.992
23	P-23	81°18'32.937"	23°15'32.868"	531621.386	257223.609
24	P-24	81°18'36.532"	23°15'32.881"	531723.529	257224.227
25	P-25	81°18'40.127"	23°15'32.893"	531825.672	257224.815
26	P-26	81°18'43.722"	23°15'32.906"	531927.815	257224.434
27	P-27	81°18'47.317"	23°15'32.919"	532029.958	257224.054
28	P-28	81°18'47.355"	23°15'32.953"	532031.259	257213.977
29	P-29	81°18'47.393"	23°15'32.967"	532032.559	257203.701
30	P-30	81°18'47.432"	23°15'32.941"	532033.888	257193.225
31	P-31	81°18'47.470"	23°15'32.915"	532035.188	257183.948
32	P-32	81°18'47.509"	23°15'32.889"	532036.517	257173.672
33	P-33	81°18'47.547"	23°15'32.863"	532037.818	257163.396

LIST OF DGPS BOUNDARY PILLAR CO-ORDINATE

SR.NO.	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
34	P-34	81°18'47.586"	23°15'32.837"	532039.147	257152.609
35	P-35	81°18'47.624"	23°15'32.811"	532040.447	257142.313
36	P-36	81°18'47.662"	23°15'32.785"	532041.748	257132.017
37	P-37	81°18'47.701"	23°15'32.759"	532043.049	257121.721
38	P-38	81°18'47.739"	23°15'32.733"	532044.350	257111.425
39	P-39	81°18'47.778"	23°15'32.707"	532045.651	257101.129
40	P-40	81°18'47.816"	23°15'32.681"	532046.952	257090.833
41	P-41	81°18'47.855"	23°15'32.655"	532048.253	257080.537
42	P-42	81°18'47.893"	23°15'32.629"	532049.554	257070.241
43	P-43	81°18'47.931"	23°15'32.603"	532050.855	257060.045
44	P-44	81°18'47.970"	23°15'32.577"	532052.156	257050.049
45	P-45	81°18'48.008"	23°15'32.551"	532053.457	257040.053
46	P-46	81°18'48.047"	23°15'32.525"	532054.758	257030.057
47	P-47	81°18'48.085"	23°15'32.499"	532056.059	257020.061
48	P-48	81°18'48.123"	23°15'32.473"	532057.360	257010.065
49	P-49	81°18'48.162"	23°15'32.447"	532058.661	257000.069
50	P-50	81°18'48.200"	23°15'32.421"	532059.962	256990.073
51	P-51	81°18'48.238"	23°15'32.395"	532061.263	256980.077
52	P-52	81°18'48.277"	23°15'32.369"	532062.564	256970.081
53	P-53	81°18'48.315"	23°15'32.343"	532063.865	256960.085
54	P-54	81°18'48.354"	23°15'32.317"	532065.166	256950.089
55	P-55	81°18'48.392"	23°15'32.291"	532066.467	256940.093
56	P-56	81°18'48.431"	23°15'32.265"	532067.768	256930.097
57	P-57	81°18'48.469"	23°15'32.239"	532069.069	256920.101
58	P-58	81°18'48.508"	23°15'32.213"	532070.370	256910.105
59	P-59	81°18'48.546"	23°15'32.187"	532071.671	256900.109
60	P-60	81°18'48.585"	23°15'32.161"	532072.972	256890.113
61	P-61	81°18'48.623"	23°15'32.135"	532074.273	256880.117
62	P-62	81°18'48.662"	23°15'32.109"	532075.574	256870.121
63	P-63	81°18'48.700"	23°15'32.083"	532076.875	256860.125
64	P-64	81°18'48.739"	23°15'32.057"	532078.176	256850.129
65	P-65	81°18'48.777"	23°15'32.031"	532079.477	256840.133
66	P-66	81°18'48.816"	23°15'32.005"	532080.778	256830.137
67	P-67	81°18'48.854"	23°15'31.979"	532082.079	256820.141

LIST OF DGPS BOUNDARY PILLAR CO-ORDINATE

SR.NO.	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
68	P-68	81°17'39.066"	23°14'19.6"	530095.333	2569983.350
69	P-69	81°17'37.099"	23°14'19.633"	530093.338	2570027.359
70	P-70	81°17'35.131"	23°14'19.666"	529983.343	2570071.368
71	P-71	81°17'33.164"	23°14'19.699"	529972.347	2570115.377
72	P-72	81°17'31.197"	23°14'19.732"	529961.352	2570159.386
73	P-73	81°17'29.230"	23°14'19.765"	529950.357	2570203.394
74	P-74	81°17'27.263"	23°14'19.798"	529939.362	2570247.403
75	P-75	81°17'25.296"	23°14'19.831"	529928.367	2570291.412
76	P-76	81°17'23.329"	23°14'19.864"	529917.372	2570335.421
77	P-77	81°17'21.362"	23°14'19.897"	529906.377	2570379.430
78	P-78	81°17'19.395"	23°14'19.930"	529895.382	2570423.439
79	P-79	81°17'17.428"	23°14'19.963"	529884.387	2570467.448
80	P-80	81°17'15.461"	23°14'19.996"	529873.392	2570511.457
81	P-81	81°17'13.494"	23°14'20.029"	529862.397	2570555.466
82	P-82	81°17'11.527"	23°14'20.062"	529851.402	2570599.475
83	P-83	81°17'09.560"	23°14'20.095"	529840.407	2570643.484
84	P-84	81°17'07.593"	23°14'20.128"	529829.412	2570687.493
85	P-85	81°17'05.626"	23°14'20.161"	529818.417	2570731.502
86	P-86	81°17'03.659"	23°14'20.194"	529807.422	2570775.511
87	P-87	81°17'01.692"	23°14'20.227"	529796.427	2570819.520
88	P-88	81°16'59.725"	23°14'20.260"	529785.432	2570863.529
89	P-89	81°16'57.758"	23°14'20.293"	529774.437	2570907.538
90	P-90	81°16'55.791"	23°14'20.326"	529763.442	2570951.547
91	P-91	81°16'53.824"	23°14'20.359"	529752.447	2570995.556
92	P-92	81°16'51.857"	23°14'20.392"	529741.452	2571039.565
93	P-93	81°16'49.890"	23°14'20.425"	529730.457	2571083.574
94	P-94	81°16'47.923"	23°14'20.458"	529719.462	2571127.583
95	P-95	81°16'45.956"	23°14'20.491"	529708.467	2571171.592
96	P-96	81°16'43.989"	23°14'20.524"	529697.472	2571215.601
97	P-97	81°16'42.022"	23°14'20.557"	529686.477	2571259.610