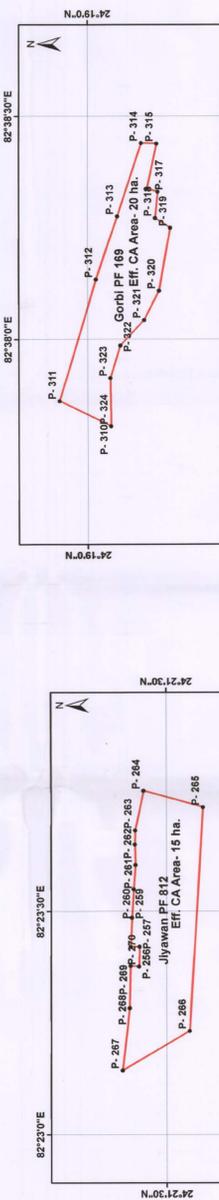
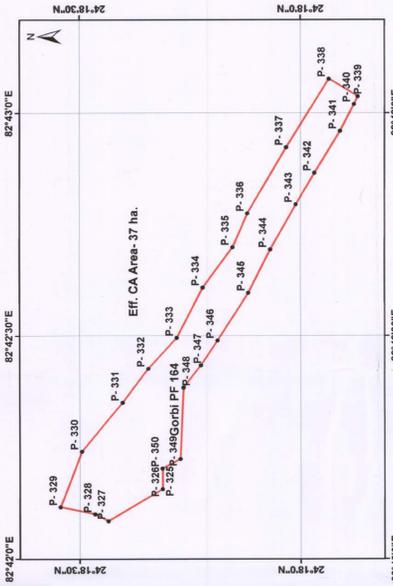


# GEOREFERENCED MAP OF CA AREA FOR BLOCK B PROJECT



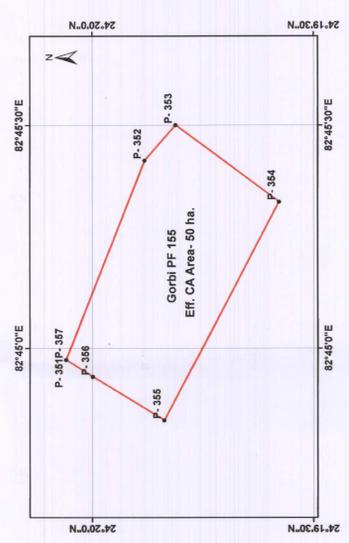
**CA Area - Jiyawan PF - 752**

Cardinal Points	Longitude	Latitude
P-271	82° 11' 21.352\" E	24° 16' 4.355\" N
P-272	82° 11' 25.777\" E	24° 16' 5.721\" N
P-273	82° 11' 26.514\" E	24° 16' 7.388\" N
P-274	82° 11' 41.249\" E	24° 16' 7.572\" N
P-275	82° 11' 47.562\" E	24° 15' 45.709\" N
P-276	82° 11' 44.834\" E	24° 15' 45.105\" N
P-277	82° 11' 46.025\" E	24° 15' 40.890\" N
P-278	82° 11' 36.534\" E	24° 15' 42.886\" N
P-279	82° 11' 28.066\" E	24° 15' 43.197\" N
P-280	82° 11' 20.456\" E	24° 15' 44.559\" N
P-281	82° 11' 20.061\" E	24° 15' 49.331\" N
P-282	82° 11' 21.352\" E	24° 16' 4.355\" N



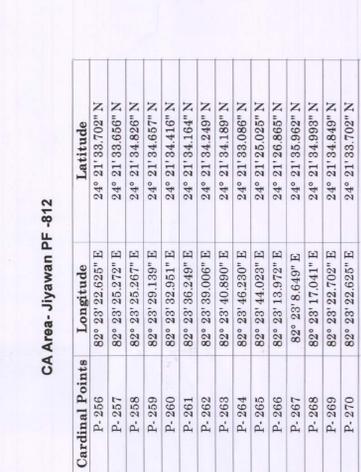
**CA Area - Jiyawan PF 733**

Cardinal Points	Longitude	Latitude
P-283	82° 2' 16.964\" E	24° 17' 42.009\" N
P-284	82° 2' 25.978\" E	24° 17' 51.023\" N
P-285	82° 2' 31.995\" E	24° 17' 45.907\" N
P-286	82° 2' 42.508\" E	24° 17' 44.979\" N
P-287	82° 2' 46.985\" E	24° 17' 41.989\" N
P-288	82° 2' 47.020\" E	24° 17' 35.530\" N
P-289	82° 2' 39.019\" E	24° 17' 35.013\" N
P-290	82° 2' 34.025\" E	24° 17' 38.036\" N
P-291	82° 2' 27.534\" E	24° 17' 33.626\" N
P-292	82° 2' 16.964\" E	24° 17' 42.009\" N



**CA Area - Gorb PF 174**

Cardinal Points	Longitude	Latitude
P-293	82° 36' 0.288\" E	24° 18' 28.636\" N
P-294	82° 35' 39.327\" E	24° 18' 41.181\" N
P-295	82° 35' 31.654\" E	24° 18' 45.483\" N
P-296	82° 35' 25.316\" E	24° 18' 49.156\" N
P-297	82° 35' 17.579\" E	24° 18' 55.493\" N
P-298	82° 35' 17.611\" E	24° 18' 56.580\" N
P-299	82° 35' 18.637\" E	24° 18' 57.225\" N
P-300	82° 35' 21.396\" E	24° 18' 56.906\" N
P-301	82° 35' 25.602\" E	24° 18' 57.036\" N
P-302	82° 35' 31.747\" E	24° 19' 0.000\" N
P-303	82° 35' 34.662\" E	24° 18' 57.456\" N
P-304	82° 35' 37.850\" E	24° 18' 55.560\" N
P-305	82° 35' 44.476\" E	24° 18' 51.702\" N
P-306	82° 35' 51.418\" E	24° 18' 46.434\" N
P-307	82° 35' 59.451\" E	24° 18' 41.785\" N
P-308	82° 36' 5.689\" E	24° 18' 37.966\" N
P-309	82° 36' 0.288\" E	24° 18' 28.636\" N



**CA Area - Jiyawan PF - 812**

Cardinal Points	Longitude	Latitude
P-256	82° 23' 22.625\" E	24° 21' 33.702\" N
P-257	82° 23' 25.272\" E	24° 21' 33.656\" N
P-258	82° 23' 25.267\" E	24° 21' 34.826\" N
P-259	82° 23' 25.139\" E	24° 21' 34.657\" N
P-260	82° 23' 32.951\" E	24° 21' 34.416\" N
P-261	82° 23' 36.249\" E	24° 21' 34.164\" N
P-262	82° 23' 39.006\" E	24° 21' 34.249\" N
P-263	82° 23' 40.890\" E	24° 21' 34.189\" N
P-264	82° 23' 46.230\" E	24° 21' 33.086\" N
P-265	82° 23' 44.023\" E	24° 21' 25.025\" N
P-266	82° 23' 13.973\" E	24° 21' 26.885\" N
P-267	82° 23' 6.619\" E	24° 21' 35.982\" N
P-268	82° 23' 17.041\" E	24° 21' 34.989\" N
P-269	82° 23' 22.702\" E	24° 21' 34.849\" N
P-270	82° 23' 22.625\" E	24° 21' 33.702\" N

**CA Area - Gorb PF 169**

Cardinal Points	Longitude	Latitude
P-310	82° 37' 48.238\" E	24° 18' 56.798\" N
P-311	82° 37' 51.647\" E	24° 19' 3.801\" N
P-312	82° 38' 5.083\" E	24° 18' 58.843\" N
P-313	82° 38' 16.548\" E	24° 18' 55.944\" N
P-314	82° 38' 26.412\" E	24° 18' 52.704\" N
P-315	82° 38' 26.340\" E	24° 18' 50.616\" N
P-316	82° 38' 20.284\" E	24° 18' 51.907\" N
P-317	82° 38' 19.834\" E	24° 18' 50.489\" N
P-318	82° 38' 16.298\" E	24° 18' 50.791\" N
P-319	82° 38' 14.582\" E	24° 18' 48.743\" N
P-320	82° 38' 6.540\" E	24° 18' 50.292\" N
P-321	82° 38' 2.616\" E	24° 18' 52.305\" N
P-322	82° 37' 59.160\" E	24° 18' 55.548\" N
P-323	82° 37' 54.804\" E	24° 18' 56.880\" N
P-324	82° 37' 48.238\" E	24° 18' 56.798\" N

**CA Area - Gorb PF 164**

Cardinal Points	Longitude	Latitude
P-325	82° 42' 12.149\" E	24° 18' 18.800\" N
P-326	82° 42' 9.368\" E	24° 18' 18.774\" N
P-327	82° 42' 5.055\" E	24° 18' 26.082\" N
P-328	82° 42' 5.995\" E	24° 18' 27.927\" N
P-329	82° 42' 6.956\" E	24° 18' 32.604\" N
P-330	82° 42' 14.431\" E	24° 18' 28.712\" N
P-331	82° 42' 20.965\" E	24° 18' 24.174\" N
P-332	82° 42' 25.572\" E	24° 18' 20.681\" N
P-333	82° 42' 20.739\" E	24° 18' 16.806\" N
P-334	82° 42' 36.525\" E	24° 18' 13.230\" N
P-335	82° 42' 41.953\" E	24° 18' 9.204\" N
P-336	82° 42' 46.501\" E	24° 18' 7.213\" N
P-337	82° 43' 4.569\" E	24° 18' 1.932\" N
P-338	82° 43' 2.223\" E	24° 17' 56.165\" N
P-339	82° 43' 1.189\" E	24° 17' 52.267\" N
P-340	82° 43' 1.189\" E	24° 17' 52.754\" N
P-341	82° 42' 57.561\" E	24° 17' 54.648\" N
P-342	82° 42' 51.939\" E	24° 17' 58.097\" N
P-343	82° 42' 47.728\" E	24° 18' 0.621\" N
P-344	82° 42' 41.654\" E	24° 18' 4.109\" N
P-345	82° 42' 35.813\" E	24° 18' 7.077\" N
P-346	82° 42' 29.373\" E	24° 18' 11.261\" N
P-347	82° 42' 26.035\" E	24° 18' 13.523\" N
P-348	82° 42' 22.937\" E	24° 18' 15.910\" N
P-349	82° 42' 18.434\" E	24° 18' 16.337\" N
P-350	82° 42' 12.149\" E	24° 18' 18.800\" N

**CUSTOMER : NORTHERN COALFIELD LIMITED**  
**MAP No: IIIIIV**  
**SUBJECT: GEOREFERENCED MAP OF CA AREA FOR BLOCK B PROJECT**  
**PROJECT, SINGRAULI COALFIELD**

**PREPARED : MUKTA SRIVASTAVA, AM (GEOLOGY)**  
**CHECKED : GM / HOD(EXPL.)**  
**APPROVED : REGIONAL DIRECTOR, RIV**

**SCALE: 1:10,000**

**AN ISO-9001 CERTIFIED COMPANY**

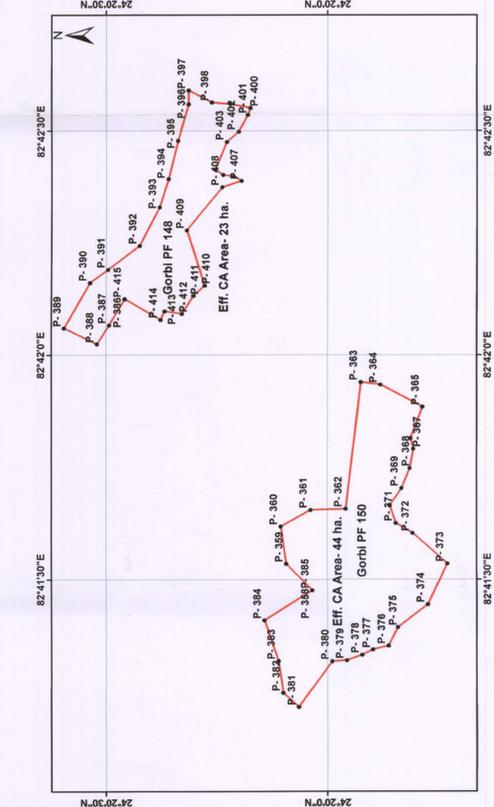
**Legend**  
 CA Area  
 Cardinal\_points

Note: Georeferenced map is prepared from survey data provided by NCL.



# GEOREFERENCED MAP OF CA AREA FOR BLOCK B PROJECT

CA Area- Gorbli PF 150



Cardinal Points	Longitude	Latitude
P-358	82° 41' 28.520" E	24° 20' 2.037" N
P-359	82° 41' 32.127" E	24° 20' 5.563" N
P-360	82° 41' 37.126" E	24° 20' 6.297" N
P-361	82° 41' 39.299" E	24° 20' 2.270" N
P-362	82° 41' 39.465" E	24° 19' 57.548" N
P-363	82° 41' 56.362" E	24° 19' 55.507" N
P-364	82° 41' 56.039" E	24° 19' 52.849" N
P-365	82° 41' 53.073" E	24° 19' 47.138" N
P-366	82° 41' 48.864" E	24° 19' 48.756" N
P-367	82° 41' 47.476" E	24° 19' 48.343" N
P-368	82° 41' 44.923" E	24° 19' 48.854" N
P-369	82° 41' 42.227" E	24° 19' 49.942" N
P-370	82° 41' 39.944" E	24° 19' 51.550" N
P-371	82° 41' 37.568" E	24° 19' 50.751" N
P-372	82° 41' 36.243" E	24° 19' 48.455" N
P-373	82° 41' 32.097" E	24° 19' 43.787" N
P-374	82° 41' 26.594" E	24° 19' 46.421" N
P-375	82° 41' 23.514" E	24° 19' 50.467" N
P-376	82° 41' 21.045" E	24° 19' 51.714" N
P-377	82° 41' 20.542" E	24° 19' 53.858" N
P-378	82° 41' 19.854" E	24° 19' 55.310" N
P-379	82° 41' 19.104" E	24° 19' 57.371" N
P-380	82° 41' 18.952" E	24° 19' 59.334" N
P-381	82° 41' 12.916" E	24° 20' 3.867" N
P-382	82° 41' 14.805" E	24° 20' 5.978" N
P-383	82° 41' 18.981" E	24° 20' 6.633" N
P-384	82° 41' 24.481" E	24° 20' 8.518" N
P-385	82° 41' 28.520" E	24° 20' 2.037" N

CA Area- Gorbli PF 148

Cardinal Points	Longitude	Latitude
P-386	82° 42' 7.489" E	24° 20' 27.460" N
P-387	82° 42' 3.994" E	24° 20' 29.549" N
P-388	82° 42' 1.460" E	24° 20' 31.203" N
P-389	82° 42' 3.589" E	24° 20' 35.672" N
P-390	82° 42' 9.687" E	24° 20' 32.156" N
P-391	82° 42' 11.435" E	24° 20' 29.687" N
P-392	82° 42' 14.600" E	24° 20' 25.445" N
P-393	82° 42' 19.733" E	24° 20' 22.744" N
P-394	82° 42' 23.517" E	24° 20' 21.564" N
P-395	82° 42' 28.658" E	24° 20' 20.230" N
P-396	82° 42' 33.649" E	24° 20' 18.812" N
P-397	82° 42' 35.494" E	24° 20' 18.812" N
P-398	82° 42' 33.890" E	24° 20' 15.653" N
P-399	82° 42' 33.667" E	24° 20' 13.147" N
P-400	82° 42' 33.146" E	24° 20' 10.441" N
P-401	82° 42' 32.189" E	24° 20' 10.813" N
P-402	82° 42' 29.886" E	24° 20' 12.018" N
P-403	82° 42' 28.505" E	24° 20' 13.620" N
P-404	82° 42' 24.789" E	24° 20' 15.221" N
P-405	82° 42' 24.068" E	24° 20' 14.149" N
P-406	82° 42' 23.866" E	24° 20' 12.686" N
P-407	82° 42' 23.280" E	24° 20' 11.667" N
P-408	82° 42' 22.426" E	24° 20' 14.256" N
P-409	82° 42' 16.648" E	24° 20' 19.091" N
P-410	82° 42' 9.307" E	24° 20' 16.658" N
P-411	82° 42' 7.918" E	24° 20' 18.187" N
P-412	82° 42' 5.501" E	24° 20' 19.704" N
P-413	82° 42' 5.843" E	24° 20' 22.064" N
P-414	82° 42' 4.724" E	24° 20' 22.625" N
P-415	82° 42' 7.489" E	24° 20' 27.460" N

CA Area- Gorbli PF 107, 102

Cardinal Points	Longitude	Latitude
P-416	82° 40' 34.784" E	24° 23' 18.504" N
P-417	82° 40' 47.355" E	24° 23' 21.425" N
P-418	82° 40' 48.615" E	24° 23' 21.798" N
P-419	82° 40' 50.504" E	24° 23' 22.445" N
P-420	82° 40' 51.311" E	24° 23' 23.375" N
P-421	82° 40' 51.876" E	24° 23' 24.588" N
P-422	82° 40' 51.792" E	24° 23' 25.546" N
P-423	82° 40' 51.314" E	24° 23' 26.669" N
P-424	82° 40' 50.861" E	24° 23' 27.519" N
P-425	82° 40' 50.359" E	24° 23' 28.692" N
P-426	82° 40' 50.626" E	24° 23' 29.302" N
P-427	82° 40' 51.329" E	24° 23' 30.052" N
P-428	82° 40' 55.203" E	24° 23' 28.242" N
P-429	82° 40' 57.887" E	24° 23' 27.343" N
P-430	82° 41' 0.858" E	24° 23' 26.080" N
P-431	82° 41' 5.040" E	24° 23' 26.775" N
P-432	82° 41' 6.616" E	24° 23' 26.984" N
P-433	82° 41' 10.339" E	24° 23' 28.650" N
P-434	82° 41' 13.976" E	24° 23' 29.856" N
P-435	82° 41' 17.887" E	24° 23' 28.993" N
P-436	82° 41' 22.623" E	24° 23' 27.868" N
P-437	82° 41' 25.153" E	24° 23' 27.358" N
P-438	82° 41' 26.328" E	24° 23' 26.558" N
P-439	82° 41' 25.910" E	24° 23' 24.854" N
P-440	82° 41' 27.665" E	24° 23' 23.235" N
P-441	82° 41' 27.711" E	24° 23' 21.032" N
P-442	82° 41' 26.796" E	24° 23' 18.339" N
P-443	82° 41' 26.210" E	24° 23' 15.994" N
P-444	82° 41' 24.459" E	24° 23' 14.521" N
P-445	82° 41' 21.459" E	24° 23' 12.438" N
P-446	82° 41' 19.788" E	24° 23' 8.648" N
P-447	82° 41' 4.885" E	24° 23' 11.999" N
P-448	82° 40' 55.516" E	24° 23' 14.408" N
P-449	82° 40' 51.158" E	24° 23' 16.021" N
P-450	82° 40' 47.313" E	24° 23' 17.433" N
P-451	82° 40' 44.784" E	24° 23' 18.504" N

CA Area- Chitrangli PF 22

Cardinal Points	Longitude	Latitude
P-492	82° 34' 53.004" E	24° 28' 37.992" N
P-493	82° 34' 56.388" E	24° 28' 35.760" N
P-494	82° 34' 55.128" E	24° 28' 39.288" N
P-495	82° 34' 59.808" E	24° 28' 41.268" N
P-496	82° 35' 5.964" E	24° 28' 41.880" N
P-497	82° 35' 7.152" E	24° 28' 36.450" N
P-498	82° 35' 13.452" E	24° 28' 35.112" N
P-499	82° 35' 12.588" E	24° 28' 33.564" N
P-500	82° 35' 13.056" E	24° 28' 32.052" N
P-501	82° 35' 13.488" E	24° 28' 30.612" N
P-502	82° 35' 4.380" E	24° 28' 26.688" N
P-503	82° 35' 0.636" E	24° 28' 23.124" N
P-504	82° 34' 54.696" E	24° 28' 22.260" N
P-505	82° 34' 47.532" E	24° 28' 21.144" N
P-506	82° 34' 44.796" E	24° 28' 21.864" N
P-507	82° 34' 42.888" E	24° 28' 22.332" N
P-508	82° 34' 38.100" E	24° 28' 24.492" N
P-509	82° 34' 42.384" E	24° 28' 31.008" N
P-510	82° 34' 49.044" E	24° 28' 32.160" N
P-511	82° 34' 49.056" E	24° 28' 32.190" N
P-512	82° 34' 51.816" E	24° 28' 36.372" N
P-513	82° 34' 53.004" E	24° 28' 37.992" N

CA Area- Gorbli PF 64

Cardinal Points	Longitude	Latitude
P-452	82° 38' 51.477" E	24° 24' 1.529" N
P-453	82° 38' 59.623" E	24° 23' 59.150" N
P-454	82° 39' 7.295" E	24° 23' 50.753" N
P-455	82° 39' 4.947" E	24° 23' 46.175" N
P-456	82° 39' 3.910" E	24° 23' 44.409" N
P-457	82° 39' 2.570" E	24° 23' 44.870" N
P-458	82° 39' 2.917" E	24° 23' 45.643" N
P-459	82° 39' 1.732" E	24° 23' 46.227" N
P-460	82° 39' 0.261" E	24° 23' 43.258" N
P-461	82° 38' 58.223" E	24° 23' 41.346" N
P-462	82° 38' 56.391" E	24° 23' 41.822" N
P-463	82° 38' 54.818" E	24° 23' 40.317" N
P-464	82° 38' 52.404" E	24° 23' 42.063" N
P-465	82° 38' 50.934" E	24° 23' 43.263" N
P-466	82° 38' 48.713" E	24° 23' 45.283" N
P-467	82° 38' 46.668" E	24° 23' 47.326" N
P-468	82° 38' 45.655" E	24° 23' 48.431" N
P-469	82° 38' 51.477" E	24° 24' 1.529" N

CA Area- Chitrangli PF 64

Cardinal Points	Longitude	Latitude
P-470	82° 40' 37.884" E	24° 25' 34.212" N
P-471	82° 40' 44.112" E	24° 25' 40.800" N
P-472	82° 40' 43.032" E	24° 25' 55.704" N
P-473	82° 40' 28.848" E	24° 26' 1.572" N
P-474	82° 40' 29.352" E	24° 26' 10.500" N
P-475	82° 40' 27.476" E	24° 26' 11.700" N
P-476	82° 40' 24.694" E	24° 26' 13.824" N
P-477	82° 40' 28.200" E	24° 26' 18.456" N
P-478	82° 40' 33.384" E	24° 26' 17.124" N
P-479	82° 40' 43.932" E	24° 26' 11.940" N
P-480	82° 40' 56.064" E	24° 26' 8.916" N
P-481	82° 41' 1.644" E	24° 25' 56.064" N
P-482	82° 41' 4.056" E	24° 25' 54.336" N
P-483	82° 41' 7.368" E	24° 25' 52.788" N
P-484	82° 41' 12.516" E	24° 25' 56.856" N
P-485	82° 41' 15.504" E	24° 25' 52.464" N
P-486	82° 41' 11.544" E	24° 25' 41.880" N
P-487	82° 41' 9.024" E	24° 25' 31.728" N
P-488	82° 40' 58.728" E	24° 25' 35.076" N
P-489	82° 40' 53.508" E	24° 25' 30.792" N
P-490	82° 40' 49.980" E	24° 25' 32.160" N
P-491	82° 40' 37.884" E	24° 25' 34.212" N

CA Area- Gorbli PF 105

Cardinal Points	Longitude	Latitude
P-492	82° 34' 53.004" E	24° 28' 37.992" N
P-493	82° 34' 56.388" E	24° 28' 35.760" N
P-494	82° 34' 55.128" E	24° 28' 39.288" N
P-495	82° 34' 59.808" E	24° 28' 41.268" N
P-496	82° 35' 5.964" E	24° 28' 41.880" N
P-497	82° 35' 7.152" E	24° 28' 36.450" N
P-498	82° 35' 13.452" E	24° 28' 35.112" N
P-499	82° 35' 12.588" E	24° 28' 33.564" N
P-500	82° 35' 13.056" E	24° 28' 32.052" N
P-501	82° 35' 13.488" E	24° 28' 30.612" N
P-502	82° 35' 4.380" E	24° 28' 26.688" N
P-503	82° 35' 0.636" E	24° 28' 23.124" N
P-504	82° 34' 54.696" E	24° 28' 22.260" N
P-505	82° 34' 47.532" E	24° 28' 21.144" N
P-506	82° 34' 44.796" E	24° 28' 21.864" N
P-507	82° 34' 42.888" E	24° 28' 22.332" N
P-508	82° 34' 38.100" E	24° 28' 24.492" N
P-509	82° 34' 42.384" E	24° 28' 31.008" N
P-510	82° 34' 49.044" E	24° 28' 32.160" N
P-511	82° 34' 49.056" E	24° 28' 32.190" N
P-512	82° 34' 51.816" E	24° 28' 36.372" N
P-513	82° 34' 53.004" E	24° 28' 37.992" N

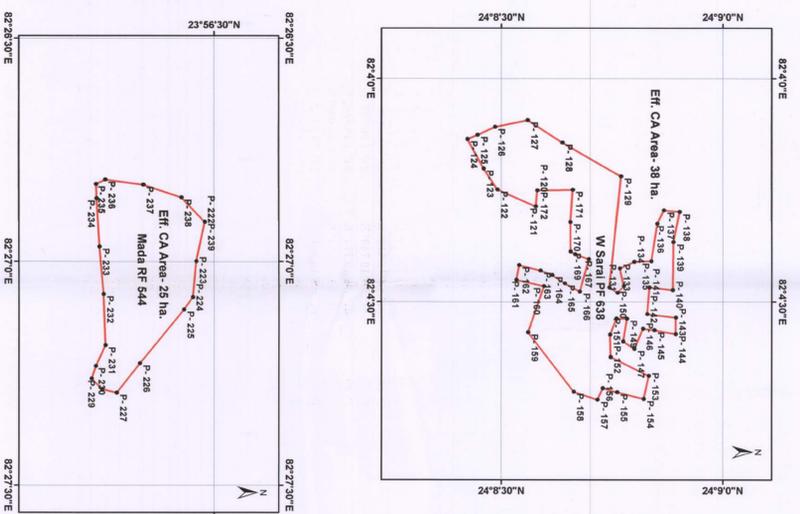
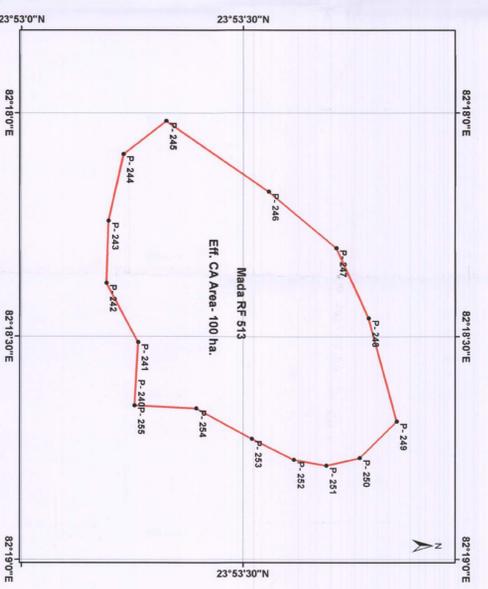
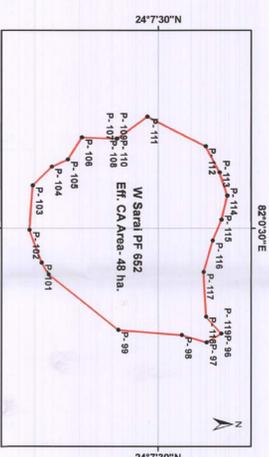
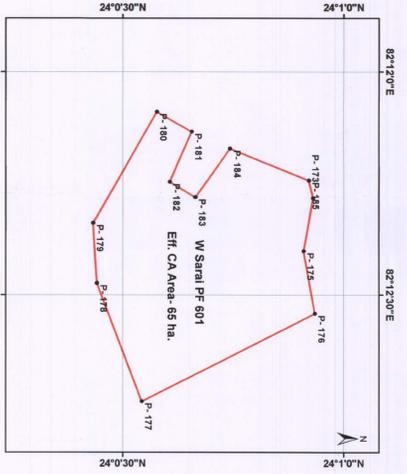
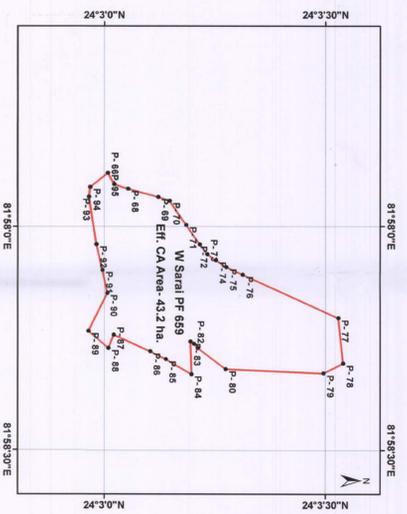
CA Area- Gorbli PF 105

Cardinal Points	Longitude	Latitude
P-452	82° 38' 51.477" E	24° 24' 1.529" N
P-453	82° 38' 59.623" E	24° 23' 59.150" N
P-454	82° 39' 7.295" E	24° 23' 50.753" N
P-455	82° 39' 4.947" E	24° 23' 46.175" N
P-456	82° 39' 3.910" E	24° 23' 44.409" N
P-457	82° 39' 2.570" E	24° 23' 44.870" N
P-458	82° 39' 2.917" E	24° 23' 45.643" N
P-459	82° 39' 1.732" E	24° 23' 46.227" N
P-460	82° 39' 0.261" E	24° 23' 43.258" N
P-461	82° 38' 58.223" E	24° 23' 41.346" N
P-462	82° 38' 56.391" E	24° 23' 41.822" N
P-463	82° 38' 54.818" E	24° 23' 40.317" N
P-464	82° 38' 52.404" E	24° 23' 42.063" N
P-465	82° 38' 50.934" E	24° 23' 43.263" N
P-466	82° 38' 48.713" E	24° 23' 45.283" N
P-467	82° 38' 46.668" E	24° 23' 47.326" N
P-468	82° 38' 45.655" E	24° 23' 48.431" N
P-469	82° 38' 51.477" E	24° 24' 1.529" N

CA Area- Chitrangli PF 64

Cardinal Points	Longitude	Latitude
P-470	82° 40' 37.884" E	24° 25' 34.212" N
P-471	82° 40' 44.112" E	24° 25' 40.800" N
P-472	82° 40' 43.032" E	24°

# GEOREFERENCED MAP OF CA AREA FOR BLOCK B PROJECT



**CA Area - W Sarai PF 652**

Cardinal Points	Longitude	Latitude
P-96	82° 0' 44.209" E	24° 3' 38.517" N
P-97	82° 0' 45.383" E	24° 3' 36.500" N
P-98	82° 0' 44.418" E	24° 3' 31.171" N
P-99	82° 0' 43.720" E	24° 3' 24.540" N
P-100	82° 0' 38.224" E	24° 3' 15.024" N
P-101	82° 0' 34.605" E	24° 3' 11.544" N
P-102	82° 0' 30.206" E	24° 3' 12.801" N
P-103	82° 0' 24.312" E	24° 3' 15.851" N
P-104	82° 0' 21.814" E	24° 3' 15.656" N
P-105	82° 0' 20.839" E	24° 3' 17.722" N
P-106	82° 0' 17.847" E	24° 3' 15.656" N
P-107	82° 0' 18.048" E	24° 3' 24.374" N
P-108	82° 0' 18.030" E	24° 3' 24.387" N
P-109	82° 0' 18.028" E	24° 3' 24.389" N
P-110	82° 0' 18.011" E	24° 3' 24.417" N
P-111	82° 0' 15.053" E	24° 3' 24.529" N
P-112	82° 0' 13.070" E	24° 3' 24.601" N
P-113	82° 0' 22.511" E	24° 3' 28.303" N
P-114	82° 0' 25.655" E	24° 3' 30.388" N
P-115	82° 0' 28.849" E	24° 3' 35.511" N
P-116	82° 0' 31.641" E	24° 3' 37.356" N
P-117	82° 0' 35.887" E	24° 3' 36.454" N
P-118	82° 0' 41.978" E	24° 3' 36.454" N
P-119	82° 0' 44.209" E	24° 3' 38.517" N

**CA Area - W Sarai PF 638**

Cardinal Points	Longitude	Latitude
P-120	82° 4' 14.974" E	24° 8' 34.858" N
P-121	82° 4' 17.127" E	24° 8' 34.650" N
P-122	82° 4' 14.852" E	24° 8' 29.491" N
P-123	82° 4' 12.044" E	24° 8' 27.654" N
P-124	82° 4' 8.111" E	24° 8' 25.385" N
P-125	82° 4' 7.632" E	24° 8' 25.778" N
P-126	82° 4' 6.501" E	24° 8' 25.141" N
P-127	82° 4' 5.600" E	24° 8' 33.568" N
P-128	82° 4' 5.556" E	24° 8' 38.274" N
P-129	82° 4' 13.079" E	24° 8' 46.228" N
P-130	82° 4' 28.055" E	24° 8' 44.650" N
P-131	82° 4' 28.513" E	24° 8' 45.756" N
P-132	82° 4' 27.868" E	24° 8' 46.508" N
P-133	82° 4' 25.470" E	24° 8' 46.041" N
P-134	82° 4' 24.546" E	24° 8' 47.996" N
P-135	82° 4' 24.482" E	24° 8' 50.310" N
P-136	82° 4' 19.462" E	24° 8' 51.138" N
P-137	82° 4' 17.648" E	24° 8' 52.044" N
P-138	82° 4' 17.848" E	24° 8' 54.177" N
P-139	82° 4' 12.180" E	24° 8' 53.359" N
P-140	82° 4' 28.419" E	24° 8' 53.231" N
P-141	82° 4' 28.050" E	24° 8' 50.066" N
P-142	82° 4' 31.827" E	24° 8' 49.752" N
P-143	82° 4' 32.154" E	24° 8' 49.752" N
P-144	82° 4' 34.366" E	24° 8' 53.615" N
P-145	82° 4' 33.544" E	24° 8' 50.789" N
P-146	82° 4' 33.668" E	24° 8' 49.180" N
P-147	82° 4' 36.334" E	24° 8' 48.019" N
P-148	82° 4' 35.359" E	24° 8' 46.502" N
P-149	82° 4' 32.898" E	24° 8' 47.015" N
P-150	82° 4' 32.272" E	24° 8' 45.592" N
P-151	82° 4' 34.436" E	24° 8' 44.741" N
P-152	82° 4' 37.433" E	24° 8' 44.851" N
P-153	82° 4' 39.948" E	24° 8' 49.950" N
P-154	82° 4' 43.007" E	24° 8' 49.256" N
P-155	82° 4' 42.115" E	24° 8' 46.710" N
P-156	82° 4' 41.559" E	24° 8' 43.757" N
P-157	82° 4' 43.120" E	24° 8' 43.050" N
P-158	82° 4' 42.039" E	24° 8' 39.808" N
P-159	82° 4' 34.151" E	24° 8' 33.617" N
P-160	82° 4' 27.885" E	24° 8' 33.746" N
P-161	82° 4' 27.009" E	24° 8' 32.039" N
P-162	82° 4' 25.021" E	24° 8' 32.407" N
P-163	82° 4' 25.763" E	24° 8' 35.283" N
P-164	82° 4' 26.361" E	24° 8' 36.891" N
P-165	82° 4' 27.527" E	24° 8' 38.576" N
P-166	82° 4' 28.648" E	24° 8' 40.641" N
P-167	82° 4' 24.198" E	24° 8' 41.847" N
P-168	82° 4' 23.535" E	24° 8' 39.988" N
P-169	82° 4' 23.162" E	24° 8' 39.379" N
P-170	82° 4' 19.240" E	24° 8' 39.347" N
P-171	82° 4' 14.870" E	24° 8' 39.676" N
P-172	82° 4' 14.574" E	24° 8' 34.585" N

**CA Area - Mada RF 544**

Cardinal Points	Longitude	Latitude
P-222	82° 28' 54.656" E	23° 56' 28.715" N
P-223	82° 28' 53.928" E	23° 56' 27.664" N
P-224	82° 27' 4.839" E	23° 56' 27.107" N
P-225	82° 27' 6.030" E	23° 56' 25.892" N
P-226	82° 27' 13.752" E	23° 56' 19.982" N
P-227	82° 27' 17.658" E	23° 56' 15.756" N
P-228	82° 27' 17.208" E	23° 56' 14.784" N
P-229	82° 27' 15.804" E	23° 56' 13.860" N
P-230	82° 27' 14.112" E	23° 56' 13.965" N
P-231	82° 27' 13.004" E	23° 56' 15.252" N
P-232	82° 27' 4.438" E	23° 56' 15.000" N
P-233	82° 28' 6.284" E	23° 56' 14.460" N
P-234	82° 28' 61.504" E	23° 56' 14.028" N
P-235	82° 28' 46.652" E	23° 56' 14.028" N
P-236	82° 28' 46.000" E	23° 56' 13.212" N
P-237	82° 28' 13.586" E	23° 56' 12.448" N
P-238	82° 28' 11.586" E	23° 56' 12.448" N
P-239	82° 28' 54.656" E	23° 56' 28.715" N

**CA Area - W Sarai PF 601**

Cardinal Points	Longitude	Latitude
P-173	82° 12' 14.530" E	24° 0' 55.224" N
P-174	82° 12' 16.956" E	24° 0' 55.800" N
P-175	82° 12' 24.156" E	24° 0' 54.540" N
P-176	82° 12' 32.524" E	24° 0' 56.085" N
P-177	82° 12' 44.325" E	24° 0' 52.584" N
P-178	82° 12' 28.452" E	24° 0' 56.495" N
P-179	82° 12' 20.337" E	24° 0' 55.985" N
P-180	82° 12' 6.564" E	24° 0' 54.652" N
P-181	82° 12' 8.028" E	24° 0' 53.348" N
P-182	82° 12' 14.760" E	24° 0' 58.380" N
P-183	82° 12' 16.848" E	24° 0' 59.815" N
P-184	82° 12' 10.296" E	24° 0' 44.568" N
P-185	82° 12' 14.850" E	24° 0' 55.224" N

**CA Area - Mada RF 513**

Cardinal Points	Longitude	Latitude
P-240	82° 18' 39.299" E	23° 53' 15.303" N
P-241	82° 18' 30.802" E	23° 53' 15.779" N
P-242	82° 18' 22.816" E	23° 53' 11.490" N
P-243	82° 18' 14.457" E	23° 53' 11.791" N
P-244	82° 18' 5.507" E	23° 53' 13.808" N
P-245	82° 18' 1.054" E	23° 53' 19.602" N
P-246	82° 18' 10.490" E	23° 53' 33.443" N
P-247	82° 18' 18.049" E	23° 53' 42.647" N
P-248	82° 18' 27.510" E	23° 53' 47.033" N
P-249	82° 18' 41.400" E	23° 53' 50.820" N
P-250	82° 18' 46.340" E	23° 53' 45.815" N
P-251	82° 18' 47.346" E	23° 53' 41.269" N
P-252	82° 18' 46.546" E	23° 53' 36.891" N
P-253	82° 18' 43.740" E	23° 53' 31.149" N
P-254	82° 18' 39.672" E	23° 53' 23.676" N
P-255	82° 18' 39.299" E	23° 53' 15.303" N

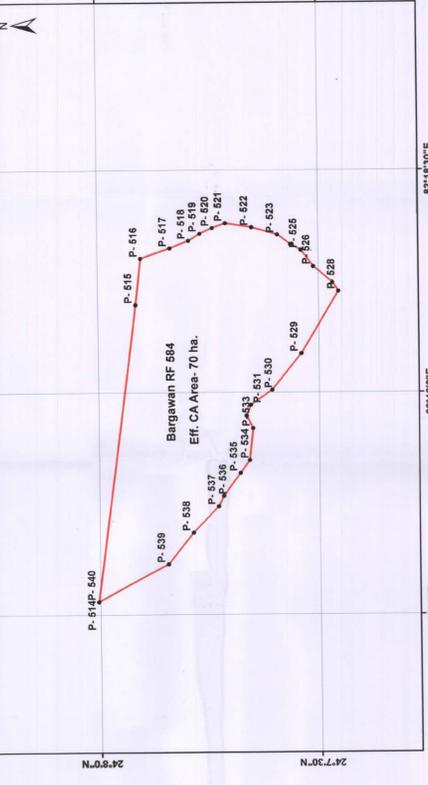
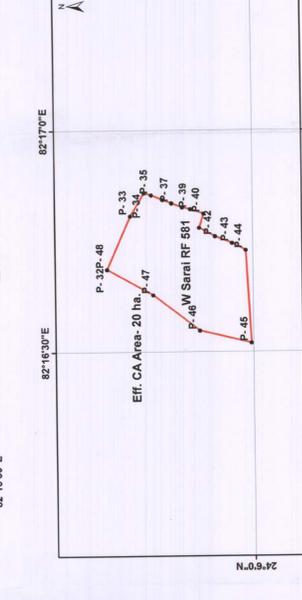
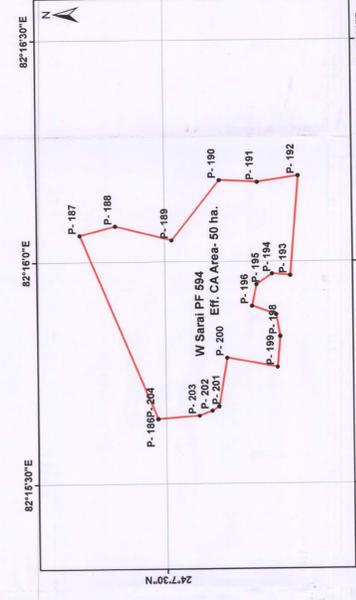
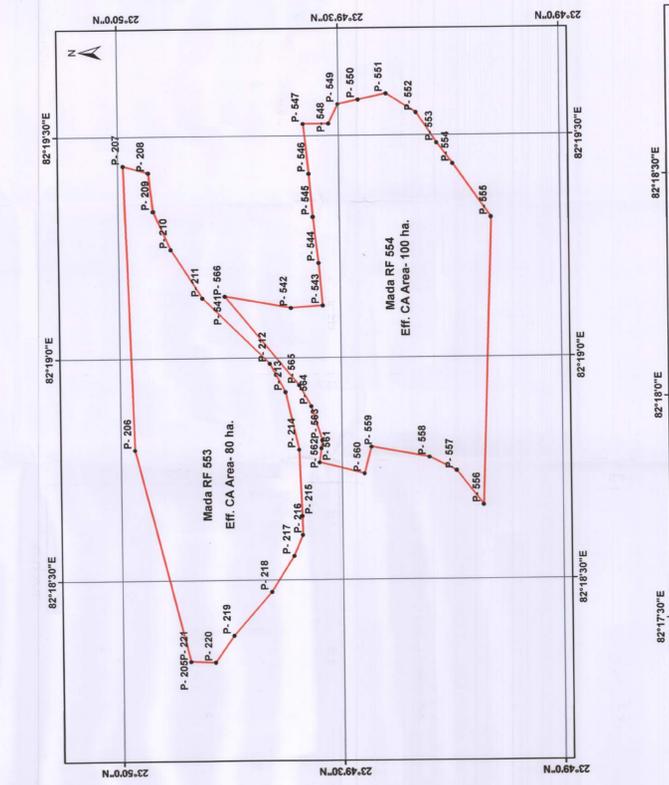
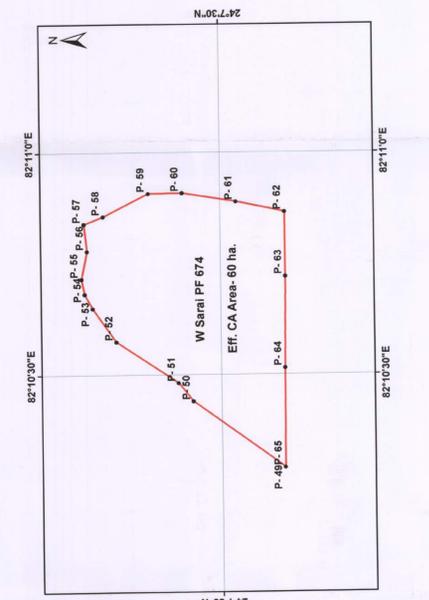
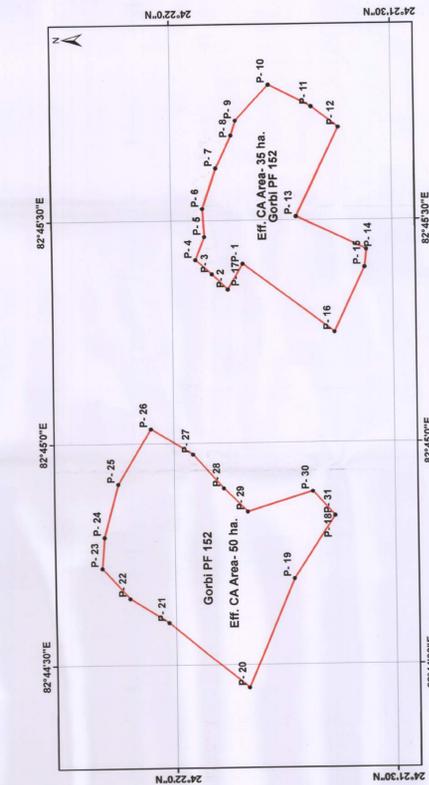
**CA Area - W Sarai PF 659**

Cardinal Points	Longitude	Latitude
P-656	81° 57' 52.810" E	24° 3' 37.500" N
P-657	81° 57' 54.531" E	24° 3' 37.348" N
P-658	81° 57' 56.006" E	24° 3' 37.305" N
P-659	81° 57' 56.038" E	24° 3' 37.884" N
P-660	81° 57' 56.834" E	24° 3' 38.844" N
P-661	81° 57' 56.834" E	24° 3' 38.844" N
P-662	81° 57' 56.834" E	24° 3' 38.844" N
P-663	81° 57' 56.834" E	24° 3' 38.844" N
P-664	81° 57' 56.834" E	24° 3' 38.844" N
P-665	81° 57' 56.834" E	24° 3' 38.844" N
P-666	81° 57' 56.834" E	24° 3' 38.844" N
P-667	81° 57' 56.834" E	24° 3' 38.844" N
P-668	81° 57' 56.834" E	24° 3' 38.844" N
P-669	81° 57' 56.834" E	24° 3' 38.844" N
P-670	81° 57' 56.834" E	24° 3' 38.844" N
P-671	81° 57' 56.834" E	24° 3' 38.844" N
P-672	81° 57' 56.834" E	24° 3' 38.844" N
P-673	81° 57' 56.834" E	24° 3' 38.844" N
P-674	81° 57' 56.834" E	24° 3' 38.844" N
P-675	81° 57' 56.834" E	24° 3' 38.844" N
P-676	81° 57' 56.834" E	24° 3' 38.844" N
P-677	81° 57' 56.834" E	24° 3' 38.844" N
P-678	81° 57' 56.834" E	24° 3' 38.844" N
P-679	81° 57' 56.834" E	24° 3' 38.844" N
P-680	81° 57' 56.834" E	24° 3' 38.844" N
P-681	81° 57' 56.834" E	24° 3' 38.844" N
P-682	81° 57' 56.834" E	24° 3' 38.844" N
P-683	81° 57' 56.834" E	24° 3' 38.844" N
P-684	81° 57' 56.834" E	24° 3' 38.844" N
P-685	81° 57' 56.834" E	24° 3' 38.844" N
P-686	81° 57' 56.834" E	24° 3' 38.844" N
P-687	81° 57' 56.834" E	24° 3' 38.844" N
P-688	81° 57' 56.834" E	24° 3' 38.844" N
P-689	81° 57' 56.834" E	24° 3' 38.844" N
P-690	81° 57' 56.834" E	24° 3' 38.844" N
P-691	81° 57' 56.834" E	24° 3' 38.844" N
P-692	81° 57' 56.834" E	24° 3' 38.844" N
P-693	81° 57' 56.834" E	24° 3' 38.844" N
P-694	81° 57' 56.834" E	24° 3' 38.844" N
P-695	81° 57' 56.834" E	24° 3' 38.844" N

**CA Area - W Sarai PF 638**

Cardinal Points	Longitude	Latitude
P-120	82° 4' 14.974" E	24° 8' 34.858" N
P-121	82° 4' 17.127" E	24° 8' 34.650" N
P-122	82° 4' 14.852" E	24° 8' 29.491" N
P-123	82° 4' 12.044" E	24° 8' 27.654" N
P-124	82° 4' 8.111" E	24° 8' 25.385" N
P-125	82° 4' 7.632" E	24° 8' 25.778" N
P-126	82° 4' 6.501" E	24° 8' 25.141" N
P-127	82° 4' 5.600" E	24° 8' 33.568" N
P-128	82° 4' 5.556" E	24° 8' 38.274" N
P-129	82° 4' 13.079" E	24° 8' 46.228" N
P-130	82° 4' 28.055" E	24° 8' 44.650" N
P-131	82° 4' 28.513" E	24° 8' 45.756" N
P-132	82° 4' 27.868" E	24° 8' 46.508" N
P-133	82° 4' 25.470" E	24° 8' 46.041" N
P-134	82° 4' 24.546" E	24° 8' 47.996" N
P-135	82° 4' 24.482" E	24° 8' 50.310" N
P-136	82° 4' 19.462" E	24° 8' 51.138" N
P-137	82° 4' 17.648" E	24° 8' 52.044" N
P-138	82° 4' 17.848" E	24° 8' 54.177" N
P-139	82° 4' 12.180" E	24° 8' 53.359" N
P-140	82° 4' 28.419" E	24° 8' 53.231" N
P-141	82° 4' 28.050" E	24° 8' 50.066" N
P-142	82° 4' 31.827" E	24° 8' 49.752" N
P-143	82° 4' 32.154" E	24° 8' 49.752" N
P-144	82° 4' 34.366" E	24° 8' 53.615" N
P-145	82° 4' 33.544" E	24° 8' 50.789" N
P-146	82° 4' 33.668" E	24° 8' 49.180" N
P-147	82° 4' 36.334" E	24° 8' 48.019" N
P-148	82° 4' 35.359" E	24° 8' 46.502" N
P-149	82° 4' 32.898" E	24° 8' 47.015" N
P-150	82° 4' 32.272" E	24° 8' 45.592

# GEOREFERENCED MAP OF CA AREA FOR BLOCK B PROJECT



**CA Area- Gorbi PF-152**

Cardinal Points	Longitude	Latitude
P-18	82° 44' 50.036\" E	24° 21' 38.210\" N
P-19	82° 44' 41.611\" E	24° 21' 43.779\" N
P-20	82° 44' 26.864\" E	24° 21' 50.113\" N
P-21	82° 44' 33.774\" E	24° 22' 0.962\" N
P-22	82° 44' 39.066\" E	24° 22' 6.219\" N
P-23	82° 44' 43.162\" E	24° 22' 9.946\" N
P-24	82° 44' 47.320\" E	24° 22' 9.575\" N
P-25	82° 44' 54.493\" E	24° 22' 7.605\" N
P-26	82° 44' 52.027\" E	24° 22' 3.097\" N
P-27	82° 44' 55.479\" E	24° 21' 57.401\" N
P-28	82° 44' 53.790\" E	24° 21' 53.288\" N
P-29	82° 44' 50.613\" E	24° 21' 50.054\" N
P-30	82° 44' 53.312\" E	24° 21' 41.192\" N
P-31	82° 44' 50.036\" E	24° 21' 38.210\" N

**CA Area- Bargawan RF-584**

Cardinal Points	Longitude	Latitude
P-514	82° 17' 31.783\" E	23° 49' 56.866\" N
P-515	82° 18' 14.007\" E	24° 7' 54.886\" N
P-516	82° 18' 19.425\" E	24° 7' 54.130\" N
P-517	82° 18' 20.437\" E	24° 7' 50.144\" N
P-518	82° 18' 20.437\" E	24° 7' 45.588\" N
P-519	82° 18' 21.396\" E	24° 7' 40.984\" N
P-520	82° 18' 22.151\" E	24° 7' 43.344\" N
P-521	82° 18' 22.785\" E	24° 7' 43.928\" N
P-522	82° 18' 21.192\" E	24° 7' 43.928\" N
P-523	82° 18' 19.868\" E	24° 7' 46.488\" N
P-524	82° 18' 19.868\" E	24° 7' 53.722\" N
P-525	82° 18' 19.131\" E	24° 7' 53.384\" N
P-526	82° 18' 16.594\" E	24° 7' 50.952\" N
P-527	82° 18' 14.754\" E	24° 7' 46.980\" N
P-528	82° 18' 13.575\" E	24° 7' 42.980\" N
P-529	82° 18' 13.575\" E	24° 7' 38.980\" N
P-530	82° 17' 58.300\" E	24° 7' 38.980\" N
P-531	82° 17' 58.300\" E	24° 7' 34.980\" N
P-532	82° 17' 56.891\" E	24° 7' 30.980\" N
P-533	82° 17' 55.195\" E	24° 7' 26.980\" N
P-534	82° 17' 50.844\" E	24° 7' 22.980\" N
P-535	82° 17' 49.983\" E	24° 7' 18.980\" N
P-536	82° 17' 49.983\" E	24° 7' 14.980\" N
P-537	82° 17' 43.012\" E	24° 7' 10.980\" N
P-538	82° 17' 46.868\" E	24° 7' 06.980\" N
P-539	82° 17' 46.868\" E	24° 7' 02.980\" N
P-540	82° 17' 31.783\" E	24° 7' 02.980\" N

**CA Area- W Sarai RF-581**

Cardinal Points	Longitude	Latitude
P-32	82° 16' 41.164\" E	24° 6' 19.766\" N
P-33	82° 16' 48.351\" E	24° 6' 16.561\" N
P-34	82° 16' 51.473\" E	24° 6' 14.674\" N
P-35	82° 16' 51.171\" E	24° 6' 13.674\" N
P-36	82° 16' 50.532\" E	24° 6' 12.180\" N
P-37	82° 16' 50.081\" E	24° 6' 10.941\" N
P-38	82° 16' 49.536\" E	24° 6' 9.924\" N
P-39	82° 16' 49.284\" E	24° 6' 8.402\" N
P-40	82° 16' 48.648\" E	24° 6' 6.617\" N
P-41	82° 16' 46.747\" E	24° 6' 7.207\" N
P-42	82° 16' 45.572\" E	24° 6' 5.071\" N
P-43	82° 16' 44.664\" E	24° 6' 2.786\" N
P-44	82° 16' 43.711\" E	24° 6' 0.960\" N
P-45	82° 16' 31.175\" E	24° 6' 0.289\" N
P-46	82° 16' 32.884\" E	24° 6' 7.252\" N
P-47	82° 16' 37.687\" E	24° 6' 13.534\" N
P-48	82° 16' 41.164\" E	24° 6' 19.766\" N

**CA Area- W Sarai PF-674**

Cardinal Points	Longitude	Latitude
P-49	82° 10' 17.403\" E	24° 7' 21.442\" N
P-50	82° 10' 26.386\" E	24° 7' 33.819\" N
P-51	82° 10' 28.908\" E	24° 7' 35.820\" N
P-52	82° 10' 34.495\" E	24° 7' 44.209\" N
P-53	82° 10' 36.008\" E	24° 7' 47.367\" N
P-54	82° 10' 40.988\" E	24° 7' 48.488\" N
P-55	82° 10' 43.002\" E	24° 7' 46.565\" N
P-56	82° 10' 46.752\" E	24° 7' 45.075\" N
P-57	82° 10' 50.379\" E	24° 7' 45.483\" N
P-58	82° 10' 51.393\" E	24° 7' 45.870\" N
P-59	82° 10' 54.465\" E	24° 7' 38.759\" N
P-60	82° 10' 54.534\" E	24° 7' 35.138\" N
P-61	82° 10' 53.354\" E	24° 7' 27.825\" N
P-62	82° 10' 51.950\" E	24° 7' 21.250\" N
P-63	82° 10' 43.237\" E	24° 7' 21.208\" N
P-64	82° 10' 36.864\" E	24° 7' 21.357\" N
P-65	82° 10' 17.403\" E	24° 7' 21.442\" N

**CA Area- W Sarai RF-594**

Cardinal Points	Longitude	Latitude
P-186	82° 13' 35.816\" E	24° 7' 31.111\" N
P-187	82° 16' 3.650\" E	24° 7' 41.178\" N
P-188	82° 16' 4.832\" E	24° 7' 36.632\" N
P-189	82° 16' 2.922\" E	24° 7' 29.002\" N
P-190	82° 16' 10.986\" E	24° 7' 22.488\" N
P-191	82° 16' 10.706\" E	24° 7' 17.342\" N
P-192	82° 16' 11.537\" E	24° 7' 11.782\" N
P-193	82° 15' 05.116\" E	24° 7' 12.949\" N
P-194	82° 15' 08.316\" E	24° 7' 15.413\" N
P-195	82° 15' 56.857\" E	24° 7' 17.550\" N
P-196	82° 15' 53.981\" E	24° 7' 18.201\" N
P-197	82° 15' 53.886\" E	24° 7' 14.924\" N
P-198	82° 15' 49.863\" E	24° 7' 14.999\" N
P-199	82° 15' 45.721\" E	24° 7' 14.797\" N
P-200	82° 15' 47.018\" E	24° 7' 21.614\" N
P-201	82° 15' 40.461\" E	24° 7' 22.773\" N
P-202	82° 15' 39.878\" E	24° 7' 23.710\" N
P-203	82° 15' 39.230\" E	24° 7' 25.446\" N
P-204	82° 15' 38.816\" E	24° 7' 31.111\" N

**CA Area- Mada RF-553**

Cardinal Points	Longitude	Latitude
P-205	82° 18' 19.044\" E	23° 49' 50.844\" N
P-206	82° 18' 47.669\" E	23° 49' 55.108\" N
P-207	82° 19' 26.042\" E	23° 49' 59.283\" N
P-208	82° 19' 25.109\" E	23° 49' 55.905\" N
P-209	82° 19' 19.852\" E	23° 49' 55.301\" N
P-210	82° 19' 14.690\" E	23° 49' 52.962\" N
P-211	82° 19' 8.123\" E	23° 49' 48.737\" N
P-212	82° 18' 59.230\" E	23° 49' 39.677\" N
P-213	82° 18' 55.380\" E	23° 49' 37.594\" N
P-214	82° 18' 47.492\" E	23° 49' 35.513\" N
P-215	82° 18' 38.603\" E	23° 49' 35.845\" N
P-216	82° 18' 36.054\" E	23° 49' 35.459\" N
P-217	82° 18' 33.228\" E	23° 49' 36.660\" N
P-218	82° 18' 28.411\" E	23° 49' 39.749\" N
P-219	82° 18' 22.518\" E	23° 49' 44.929\" N
P-220	82° 18' 18.891\" E	23° 49' 47.485\" N
P-221	82° 18' 19.044\" E	23° 49' 50.844\" N

**CA Area- Mada RF 554**

Cardinal Points	Longitude	Latitude
P-541	82° 19' 46.328\" E	23° 49' 45.696\" N
P-542	82° 19' 57.744\" E	23° 49' 36.686\" N
P-543	82° 19' 7.063\" E	23° 49' 32.368\" N
P-544	82° 19' 23.775\" E	23° 49' 33.575\" N
P-545	82° 19' 23.775\" E	23° 49' 33.575\" N
P-546	82° 19' 19.849\" E	23° 49' 34.066\" N
P-547	82° 19' 19.849\" E	23° 49' 34.791\" N
P-548	82° 19' 11.638\" E	23° 49' 31.350\" N
P-549	82° 19' 24.200\" E	23° 49' 30.052\" N
P-550	82° 19' 34.839\" E	23° 49' 27.304\" N
P-551	82° 19' 35.606\" E	23° 49' 24.487\" N
P-552	82° 19' 33.046\" E	23° 49' 19.442\" N
P-553	82° 19' 28.921\" E	23° 49' 16.696\" N
P-554	82° 19' 28.103\" E	23° 49' 14.528\" N
P-555	82° 19' 18.800\" E	23° 49' 9.394\" N
P-556	82° 18' 59.596\" E	23° 49' 10.812\" N
P-557	82° 18' 44.640\" E	23° 49' 14.408\" N
P-558	82° 18' 45.476\" E	23° 49' 14.408\" N
P-559	82° 18' 44.800\" E	23° 49' 26.004\" N
P-560	82° 18' 45.938\" E	23° 49' 26.940\" N
P-561	82° 18' 45.938\" E	23° 49' 33.900\" N
P-562	82° 18' 47.731\" E	23° 49' 32.784\" N
P-563	82° 18' 48.836\" E	23° 49' 32.644\" N
P-564	82° 18' 53.485\" E	23° 49' 34.116\" N
P-565	82° 18' 56.318\" E	23° 49' 35.725\" N
P-566	82° 19' 8.328\" E	23° 49' 45.696\" N

**CA Area- Gorbi PF-152**

Cardinal Points	Longitude	Latitude
P-1	82° 45' 24.182\" E	24° 21' 50.377\" N
P-2	82° 45' 20.690\" E	24° 21' 52.421\" N
P-3	82° 45' 22.780\" E	24° 21' 54.557\" N
P-4	82° 45' 24.725\" E	24° 21' 56.790\" N
P-5	82° 45' 27.851\" E	24° 21' 55.514\" N
P-6	82° 45' 31.621\" E	24° 21' 55.695\" N
P-7	82° 45' 37.123\" E	24° 21' 53.834\" N
P-8	82° 45' 41.558\" E	24° 21' 51.744\" N
P-9	82° 45' 43.548\" E	24° 21' 51.090\" N
P-10	82° 45' 48.267\" E	24° 21' 46.602\" N
P-11	82° 45' 45.306\" E	24° 21' 40.784\" N
P-12	82° 45' 42.562\" E	24° 21' 37.167\" N
P-13	82° 45' 30.467\" E	24° 21' 33.522\" N
P-14	82° 45' 25.993\" E	24° 21' 33.522\" N
P-15	82° 45' 23.598\" E	24° 21' 33.814\" N
P-16	82° 45' 14.884\" E	24° 21' 37.968\" N
P-17	82° 45' 24.182\" E	24° 21' 50.377\" N

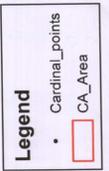
CUSTOMER : NORTHERN COALFIELD LIMITED

MAP No: I/IV

SUBJECT: GEOREFERENCED MAP OF CA AREA FOR BLOCK B PROJECT  
PROJECT, SINGRAULI COALFIELD



PREPARED : MUKTA SRIVASTAVA, AM (GEOLOGY)  
CHECKED : GM / HOD(EXPL.)  
APPROVED : REGIONAL DIRECTOR (RI-M) (M. Chh. Moh. Singh)  
SCALE: 1:10,000



Note: Georeferenced map is prepared from survey data provided by NCL.