

PANCHBAHANI COAL BLOCK SUMMARY

PART A

Sr. No	Features	Details
1.	Location	
	Coal Block	Panchbahani
	Latitude	22° 56' 17" N to 22° 58' 15" N (Provisional)
	Longitude	82° 47' 25" E to 82° 50' 19" E (Provisional)
	Topo Sheet No.	64 J / 13
	Coalfield	Panchbahani
	Villages	Lakshmipur, Doin (As per SOI Toposheet)
	Tehsil/Taluka	Premnagar, Udaypur
	District	Surguja, Surajpur
	State	Chhattisgarh
2.	Connectivity with Block	
	Nearest Rail Head	Not mentioned in GR
	Road	Not mentioned in GR
	Airport	Not mentioned in GR
3.	Area	
	Geological Block Area	11.79 sq.km. (As per shape file. Refer Note No. 3)
	Forest Area	Approx. 25 % (as per FSI map)
	Non-Forest Area	Approx. 75 % (as per FSI map)
4.	Climate and Topography	
	Average Annual Rainfall	Not mentioned in GR
	Temperature (Min. — Max.)	Not mentioned in GR
	Local Surface Drainage Channels	Drainage shows semi-radial pattern due to dome like structure in the south-eastern part of block. The main drainage in the block is represented by Geruana nala which is a tributary to Atem river
	Rivers	Atem river
5.	Exploration	
	Status	Regionally Explored
	Exploration Agency	MECL

	Total Number of Boreholes with meterage	13 Boreholes, 1988.00m (Drilled)			
	Borehole Density	Approx. 1 Boreholes/sq.km.			
	General Dip of Seams	2° to 6° towards the center of the basin			
	General Strike Direction	Runs parallel to the periphery of the basin, In the central part of the block it is NW-SE			
6.	Coal Seams & Reserve : 11.003 MT gross indicated UG reserves				
	Coal Seams	Thickness Range (m)	Depth Range (m)	Geological Reserve (MT)	Grade
	VII (workable seam)	1.28-2.21	11.81-43.03	8.4888	C - G
	VI (workable seam)	0.04-1.37	21.66-71.73	2.515	B - D
	V	0.05-0.95	25.75-78.30		
	IV	0.05-1.10	38.00-95.75		
	III	0.07-0.26	84.12-100.35		
	II	0.19-0.85	32.60-121.80		
	I (TOP)	0.02-0.50	68.05-128.14		
	I (BOT)	0.05-0.76	70.31-144.50		
		Total		11.003	
7.	Surface Constraints	NW-SE running road crosses from the center of the block.			
8.	Grade of the block	G7 (Provisional) based on weighted average grade as per data available in Regional GR.			
9.	Decision Support System (DSS) Analysis	Hydrology: Polygon touches Gerua Nala Wildlife Info: Polygon touches wildlife habitat of Sloth Bear			
10.	Eco Sensitive Zone (ESZ) Analysis	Approx. 6.4 km to the buffer zone of un-notified Lemru Elephant Reserve from the South-eastern block boundary.			

PART B

Sr. No.	Features	Details
1.	Previous Allocation	
	Name of Allocatee	Shree Radhe Industries Ltd.
2.	Peak Rated Capacity as per Mining Plan	Mining Plan not available
3.	Status of Clearances/Approvals	--

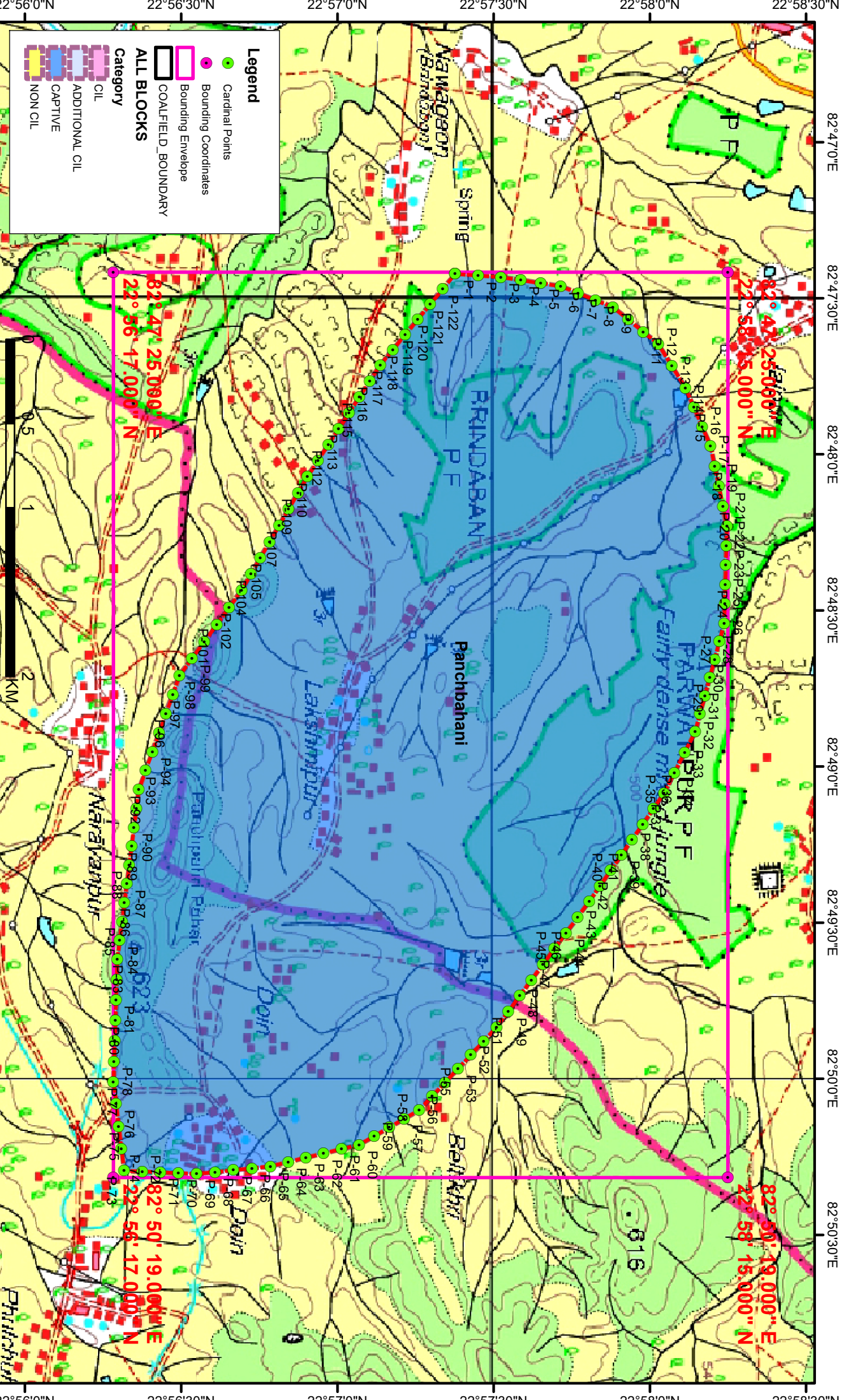
Note:

1. The above data is compiled from Regional GR, Mining Plan and the data furnished by the prior allottee in Annexure-I/II, as available. For clarifications with regard to above data, please refer aforesaid source documents.
2. The boundary of the block has been taken from Regional GR after conversion to WGS84 system by feature matching. The block boundary is provisional and the cardinal points, bounding co-ordinates are approximate.
3. There is a difference in area in the shape file and Regional GR. Area in the shape file is based on feature mapped plan of the block as given in the Regional GR. So, the area is tentative and field DGPS survey is required to ascertain the exact area.

Disclaimer:

1. The analysis is done on Beta-version (Trial Version) of Decision Support System (DSS) of FSI / MOEF.
2. The Decision Rules for various parameters of this DSS System are controlled by FSI.
3. CMPDI only runs this DSS to obtain the status of any block based on these Decision Rules.
4. The database of the Decision Rules is updated by FSI from time to time.
5. CMPDI does not own any responsibility for variation in the results which are based on the Decision Rules of the FSI DSS in case of any updation of the database at FSI end.
6. ESZ analysis and tiger habitat/ corridor given here is based on the information available in public domain. Bidders are encouraged to verify this information and any other information additionally available.

Panchbahani Block, Hasdeo Arand Coalfield



Legend

- Cardinal Points
- Bounding Coordinates
- Bounding Envelope
- COALFIELD_BOUNDARY

Category

- ALL BLOCKS
- CIL
- ADDITIONAL CIL
- CAPTIVE
- NON CIL

NOTE: Coordinates are provisional in WGS84 System

Provisional Cardinal Points for Panchbahani Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	82° 47' 25.324" E	22° 57' 22.629" N
P-2	82° 47' 25.649" E	22° 57' 27.017" N
P-3	82° 47' 25.974" E	22° 57' 31.405" N
P-4	82° 47' 26.547" E	22° 57' 35.232" N
P-5	82° 47' 27.120" E	22° 57' 39.059" N
P-6	82° 47' 27.693" E	22° 57' 42.887" N
P-7	82° 47' 29.039" E	22° 57' 46.233" N
P-8	82° 47' 30.386" E	22° 57' 49.579" N
P-9	82° 47' 31.732" E	22° 57' 52.925" N
P-10	82° 47' 34.094" E	22° 57' 55.829" N
P-11	82° 47' 36.456" E	22° 57' 58.733" N
P-12	82° 47' 38.819" E	22° 58' 1.637" N
P-13	82° 47' 43.045" E	22° 58' 4.255" N
P-14	82° 47' 47.272" E	22° 58' 6.873" N
P-15	82° 47' 50.982" E	22° 58' 8.476" N
P-16	82° 47' 54.692" E	22° 58' 10.078" N
P-17	82° 47' 58.401" E	22° 58' 11.680" N
P-18	82° 48' 2.250" E	22° 58' 12.468" N
P-19	82° 48' 6.098" E	22° 58' 13.257" N
P-20	82° 48' 9.947" E	22° 58' 14.045" N
P-21	82° 48' 13.795" E	22° 58' 14.833" N
P-22	82° 48' 17.536" E	22° 58' 14.726" N
P-23	82° 48' 21.277" E	22° 58' 14.619" N
P-24	82° 48' 25.018" E	22° 58' 14.513" N
P-25	82° 48' 28.759" E	22° 58' 14.406" N
P-26	82° 48' 32.500" E	22° 58' 14.299" N
P-27	82° 48' 35.969" E	22° 58' 13.369" N
P-28	82° 48' 39.438" E	22° 58' 12.440" N
P-29	82° 48' 42.907" E	22° 58' 11.510" N
P-30	82° 48' 46.376" E	22° 58' 10.580" N
P-31	82° 48' 49.845" E	22° 58' 9.651" N
P-32	82° 48' 53.314" E	22° 58' 8.721" N
P-33	82° 48' 57.257" E	22° 58' 6.726" N
P-34	82° 49' 1.201" E	22° 58' 4.732" N
P-35	82° 49' 5.144" E	22° 58' 2.737" N
P-36	82° 49' 8.111" E	22° 58' 0.687" N
P-37	82° 49' 11.078" E	22° 57' 58.637" N
P-38	82° 49' 14.045" E	22° 57' 56.587" N
P-39	82° 49' 17.011" E	22° 57' 54.537" N
P-40	82° 49' 19.978" E	22° 57' 52.487" N
P-41	82° 49' 22.945" E	22° 57' 50.437" N
P-42	82° 49' 25.911" E	22° 57' 48.387" N
P-43	82° 49' 28.936" E	22° 57' 46.161" N
P-44	82° 49' 31.960" E	22° 57' 43.935" N
P-45	82° 49' 34.985" E	22° 57' 41.708" N
P-46	82° 49' 38.009" E	22° 57' 39.482" N
P-47	82° 49' 41.034" E	22° 57' 37.255" N

Provisional Cardinal Points for Panchbahani Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-48	82° 49' 44.058" E	22° 57' 35.029" N
P-49	82° 49' 47.082" E	22° 57' 32.802" N
P-50	82° 49' 50.107" E	22° 57' 30.576" N
P-51	82° 49' 52.759" E	22° 57' 28.103" N
P-52	82° 49' 55.411" E	22° 57' 25.630" N
P-53	82° 49' 58.063" E	22° 57' 23.157" N
P-54	82° 50' 0.715" E	22° 57' 20.684" N
P-55	82° 50' 3.367" E	22° 57' 18.212" N
P-56	82° 50' 6.019" E	22° 57' 15.739" N
P-57	82° 50' 7.683" E	22° 57' 12.856" N
P-58	82° 50' 9.346" E	22° 57' 9.972" N
P-59	82° 50' 11.010" E	22° 57' 7.089" N
P-60	82° 50' 12.674" E	22° 57' 4.206" N
P-61	82° 50' 13.505" E	22° 57' 0.794" N
P-62	82° 50' 14.335" E	22° 56' 57.382" N
P-63	82° 50' 15.166" E	22° 56' 53.970" N
P-64	82° 50' 15.996" E	22° 56' 50.558" N
P-65	82° 50' 16.827" E	22° 56' 47.146" N
P-66	82° 50' 17.191" E	22° 56' 43.606" N
P-67	82° 50' 17.555" E	22° 56' 40.067" N
P-68	82° 50' 17.919" E	22° 56' 36.528" N
P-69	82° 50' 18.283" E	22° 56' 32.989" N
P-70	82° 50' 18.131" E	22° 56' 29.502" N
P-71	82° 50' 17.979" E	22° 56' 26.015" N
P-72	82° 50' 17.826" E	22° 56' 22.528" N
P-73	82° 50' 17.674" E	22° 56' 19.042" N
P-74	82° 50' 13.399" E	22° 56' 18.532" N
P-75	82° 50' 9.124" E	22° 56' 18.023" N
P-76	82° 50' 4.849" E	22° 56' 17.514" N
P-77	82° 50' 0.574" E	22° 56' 17.004" N
P-78	82° 49' 56.648" E	22° 56' 17.125" N
P-79	82° 49' 52.721" E	22° 56' 17.246" N
P-80	82° 49' 48.795" E	22° 56' 17.367" N
P-81	82° 49' 44.868" E	22° 56' 17.488" N
P-82	82° 49' 40.942" E	22° 56' 17.609" N
P-83	82° 49' 37.016" E	22° 56' 17.730" N
P-84	82° 49' 33.397" E	22° 56' 18.190" N
P-85	82° 49' 29.778" E	22° 56' 18.651" N
P-86	82° 49' 26.159" E	22° 56' 19.111" N
P-87	82° 49' 22.539" E	22° 56' 19.571" N
P-88	82° 49' 18.920" E	22° 56' 20.032" N
P-89	82° 49' 15.301" E	22° 56' 20.492" N
P-90	82° 49' 11.682" E	22° 56' 20.952" N
P-91	82° 49' 8.063" E	22° 56' 21.412" N
P-92	82° 49' 4.444" E	22° 56' 21.873" N
P-93	82° 49' 0.791" E	22° 56' 23.176" N
P-94	82° 48' 57.137" E	22° 56' 24.479" N

Provisional Cardinal Points for Panchbahani Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-95	82° 48' 53.484" E	22° 56' 25.782" N
P-96	82° 48' 49.830" E	22° 56' 27.086" N
P-97	82° 48' 46.177" E	22° 56' 28.389" N
P-98	82° 48' 42.523" E	22° 56' 29.692" N
P-99	82° 48' 39.249" E	22° 56' 32.074" N
P-100	82° 48' 35.974" E	22° 56' 34.455" N
P-101	82° 48' 32.699" E	22° 56' 36.837" N
P-102	82° 48' 29.425" E	22° 56' 39.218" N
P-103	82° 48' 26.150" E	22° 56' 41.600" N
P-104	82° 48' 23.030" E	22° 56' 43.408" N
P-105	82° 48' 19.909" E	22° 56' 45.215" N
P-106	82° 48' 16.789" E	22° 56' 47.023" N
P-107	82° 48' 13.668" E	22° 56' 48.831" N
P-108	82° 48' 10.548" E	22° 56' 50.638" N
P-109	82° 48' 7.427" E	22° 56' 52.446" N
P-110	82° 48' 4.306" E	22° 56' 54.253" N
P-111	82° 48' 1.236" E	22° 56' 56.254" N
P-112	82° 47' 58.166" E	22° 56' 58.255" N
P-113	82° 47' 55.095" E	22° 57' 0.255" N
P-114	82° 47' 52.025" E	22° 57' 2.256" N
P-115	82° 47' 48.955" E	22° 57' 4.256" N
P-116	82° 47' 45.884" E	22° 57' 6.257" N
P-117	82° 47' 42.814" E	22° 57' 8.258" N
P-118	82° 47' 39.899" E	22° 57' 10.653" N
P-119	82° 47' 36.984" E	22° 57' 13.048" N
P-120	82° 47' 34.069" E	22° 57' 15.443" N
P-121	82° 47' 31.154" E	22° 57' 17.839" N
P-122	82° 47' 28.239" E	22° 57' 20.234" N