MARKI-MANGLI II COAL BLOCK SUMMARY

PART A

Sr. No	Features	Details
1.	**Location**	
	Coal Block	**MARKI-MANGLI II**
	Latitude	19°49'2"N to 19°50'31"N (Provisional)
	Longitude	78°48'56"E to 78°50'32"E (Provisional)
	Topo Sheet No.	56 I/13
	Coalfield	WARDHA VALLEY
	Villages	Ruikot, Savli (As per SOI Toposheet)
	Tehsil	JHARI-JAMNI
	District	YAVATMAL
	State	MAHARASHTRA
2.	**Connectivity with Block**	
	Nearest Rail Head	The Wani-Pimpalkhuti broad gauge railway line runs parallel to the Wani-Patanbori road.
	Road	The area is approachable by an all weather tar road connecting Wani and Patanbori and is about 35km from Wani. State transport buses regularly run from Wani to different places in this area.
	Airport	Nagpur airport
3.	**Area**	
	Geological Block Area	3.4 sq.km. (As per shape file. Refer Note at the end)
	Forest Area	1.51sq.km. (approx.) Ruikot Reserve forest
	Non-Forest Area	1.89 sq.km. (approx.)
4.	**Climate and Topography**	
	Average Annual Rainfall	1300mm
	Temperature (Min. — Max.)	28°C-45°C
	Local Surface Drainage Channels	The Penganga river with a general eastward course drains through the extreme southern part of Marki-Pandarkavda-Mukutban coalbelt area. The Vaidarbha nadi, a major tributary with its general southward course joins the Penganga river near Deulwada village. Other main seasonal nallahs like lingti, Bhuduk, Tiwaadi drain the interior parts of the area and join the Penganga river directly.
	Rivers	Penganga river is the major river
5.	**Exploration**	
	Status	Explored
	Exploration Agency	DGM
	Total Number of Boreholes with meterage	38 Boreholes , 3753.10 m
	Borehole Density	11 BHs/sq.km.
	General Dip of Seams	10°-12° Northerly
	General Strike Direction	WNW-ESE to NW-SE

6.	**Coal Seams & Reserve**				
	Number of Coal Seams	Thickness Range (m)	Depth Range (m)	Geological Reserve (Mt)	Grade
	TOP SEAM	1.05m-8.35m	The coal seams are intersected within a depth range of 11.80m-120.45m	11.54	Mostly D (exclusion of bands)
	BOTTOM SEAM	0.15m-0.50m			
	Proved	**11.54 MT**			
	Total	**11.54 MT**			
7.	Surface Constraints	45% (approx.) of the area is covered by forest			

Reference: *GR of Marki-Mangli-II, III, IV coal blocks, DGM (Govt. of Maharashtra), field Session:1987-1988 to1991-1992*

PART B

Sr. No.	Features	Details
1.	**Previous Allocation**	
	Name of Allocatee	Topworth Urja & Metals Limited
	Address	No.126/128, 1st Floor, Shriram Tower, Kingsway, Sadar, Near NIT Office, Nagpur-440001
2.	**Status of Mineral Exploitation**	
	Method of Mining	Opencast
	Coal Extracted till 31/03/14	0.1 MT
	Mine Plan Extraction Rate	0.3 MTPA
3.	**Status of Clearances/Approvals**	
	Mining Plan (Reference to Grant)	Mining Plan approved
	Environmental Clearance (Reference to Grant)	No- J-11015/415/2007-IA/II (M) dated 27/01/2011
	Mining Lease (Reference to Grant)	Mining lease executed in June 2011
	Land Required	295.19 hectares
	Land Acquired	102.15 hectares

Note:

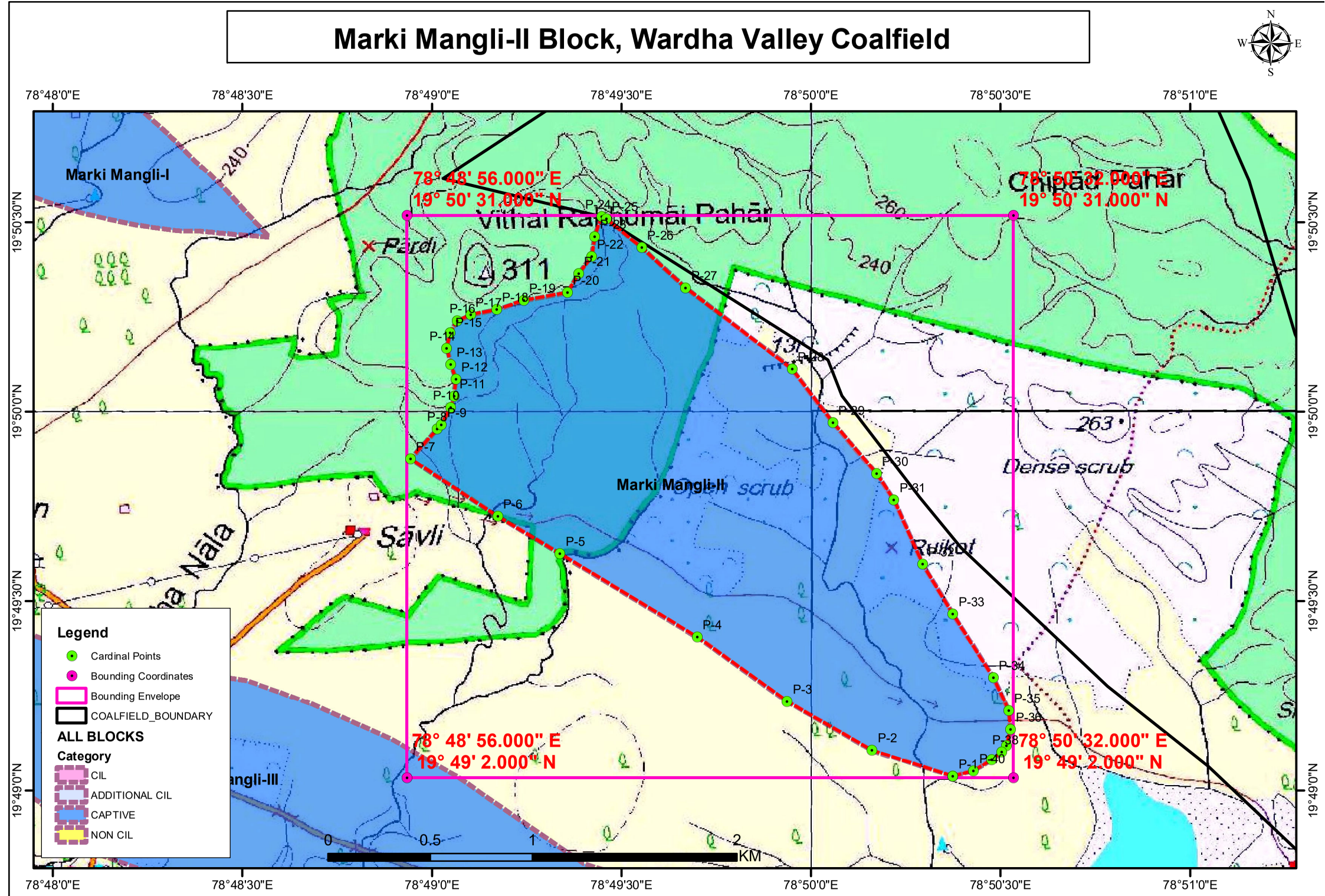
1. The data and block boundary inferred from the above GR is provisional as there is no specific GR for Marki-Mangli-II block. However, area mentioned as VithalRukmai-Ruikot has been considered as Marki Mangli-II, and hence shape file has been derived from the area mentioned as VithalRukmai-Ruikot in the combined GR.

2. The above data is compiled from Geological Report, 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.

3. The boundary of the block has been taken from GR after conversion to WGS84 system by feature matching. The block boundary is provisional and the cardinal points, bounding co-ordinates are approximate.

4. There may be a difference in area in the shape file and GR. Area in the shape file is based on feature mapped plan of the block as given in the GR. So, the area is tentative and field DGPS survey is required to ascertain the exact area.

Marki Mangli-II Block, Wardha Valley Coalfield



NOTE: Coordinates are provisional in WGS84 System

Provisional Cardinal Points for Marki Mangli-II Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	78° 50' 22.444" E	19° 49' 2.282" N
P-2	78° 50' 9.659" E	19° 49' 6.360" N
P-3	78° 49' 56.249" E	19° 49' 14.096" N
P-4	78° 49' 41.956" E	19° 49' 24.328" N
P-5	78° 49' 20.291" E	19° 49' 37.479" N
P-6	78° 49' 10.405" E	19° 49' 43.392" N
P-7	78° 48' 56.584" E	19° 49' 52.518" N
P-8	78° 49' 0.873" E	19° 49' 57.206" N
P-9	78° 49' 1.500" E	19° 49' 57.861" N
P-10	78° 49' 2.916" E	19° 50' 0.626" N
P-11	78° 49' 3.514" E	19° 50' 2.434" N
P-12	78° 49' 3.784" E	19° 50' 5.121" N
P-13	78° 49' 2.990" E	19° 50' 7.444" N
P-14	78° 49' 2.314" E	19° 50' 10.018" N
P-15	78° 49' 2.894" E	19° 50' 12.429" N
P-16	78° 49' 3.983" E	19° 50' 14.358" N
P-17	78° 49' 6.093" E	19° 50' 15.324" N
P-18	78° 49' 10.240" E	19° 50' 16.155" N
P-19	78° 49' 14.533" E	19° 50' 17.606" N
P-20	78° 49' 21.446" E	19° 50' 18.852" N
P-21	78° 49' 23.190" E	19° 50' 21.815" N
P-22	78° 49' 25.297" E	19° 50' 24.503" N
P-23	78° 49' 25.731" E	19° 50' 27.672" N
P-24	78° 49' 26.819" E	19° 50' 30.841" N
P-25	78° 49' 27.584" E	19° 50' 30.512" N
P-26	78° 49' 33.193" E	19° 50' 25.937" N
P-27	78° 49' 40.150" E	19° 50' 19.573" N
P-28	78° 49' 56.986" E	19° 50' 6.707" N
P-29	78° 50' 3.457" E	19° 49' 58.258" N
P-30	78° 50' 10.398" E	19° 49' 50.155" N
P-31	78° 50' 13.131" E	19° 49' 45.973" N
P-32	78° 50' 17.672" E	19° 49' 35.853" N
P-33	78° 50' 22.428" E	19° 49' 27.954" N
P-34	78° 50' 28.842" E	19° 49' 17.870" N
P-35	78° 50' 31.303" E	19° 49' 12.664" N
P-36	78° 50' 31.534" E	19° 49' 9.694" N
P-37	78° 50' 30.945" E	19° 49' 7.111" N
P-38	78° 50' 30.172" E	19° 49' 6.077" N
P-39	78° 50' 28.627" E	19° 49' 4.913" N
P-40	78° 50' 25.718" E	19° 49' 3.103" N