CHITARPUR COAL BLOCK SUMMARY

PART A

Sl. No.	Features	Details	
1.	**Location**		
	Coal Block	**CHITARPUR**	
	Latitude	23° 44’ 49” N & 23° 46‘ 02” N (Provisional)	Topo Sheet No. 73A/13 & 73A/14
	Longitude	84° 46’ 05” E & 84° 48’ 44”E (Provisional)	
	Coalfield	North karanpura Coalfields	
	Villages	Chitarpur, Chakla, Dhadhu	
	Tehsil/ Taluka		
	District	Latehar	
	State	Jharkhand	
2.	**Connectivity with Block**		
	Nearest Rail Head	Tori RS, 10 Km. from Block	
	Road	Highway 99, Chandwa-Balumath passes through block	
	Airport	Ranchi	
3.	**Area**		
	Geological Block Area	5.6 sq.km (As per shape file. Refer Note No. 3)	
	Mining Lease Area (As per Mining Plan)	555.34 Ha	
	Forest Area	185.88 Ha	
	Non-Forest Area	369.46 Ha	
4.	**Climate and Topography**		
	Average Annual Rainfall	1200 to 1400 mm	
	Temperature (Min. – Max.)	5^0C to 45^0C	
	Local Surface Drainage Channels	Barki Nadi (Nala) flows through western and northern boundary	
	Rivers	No	
5.	**Exploration**		
	Status	Explored	
	Exploration Agency	GSI & CMPDI	
	Total Number of Boreholes with meterage	159 21191 m	
	Borehole Density	28.65	
	General Dip of Seams	15^0 to 50^0	
	General Strike Direction	WNW-ESE	

6.	**Workable coal Seam details (As per the Mining Plan)**						
	Coal Seams/ Parting	Thickness Range(m)	Depth Range(m)	Geological Reserve(MT)	Extractable Reserve(MT)	Grade	Mining Method (UG/OC/Mixed)
	V	15-24.97	14-146	29.03	24.82	F-G	OC
	II MERGED	14.04-31.55	21.5-524.52	20.76	18.12	F	OC
	II TOP	1.20-4.60		0.56	0.45	F	OC
	II MIDDLE	2.10-4.04		0.77	0.62	F	OC
	II BOTTOM	13.0-29.60		4.898	4.23	F-G	OC
	I-E	4.1-10.64	19.88-402.04	1.19	0.96	G	OC
	I-A	4.49-11.6	13.3-426.4	6.61	5.355	G	OC
	IV	1.4-7.8	13.6-367.17	0.40	0.32	G	OC
	III TOP	0.53-9.8	160-469.22	4.11	3.33	G	OC
	I-D	0.6-4.44		0.33	0.27	G	OC
	I-C	0.34-2.25		0.23	0.19	G	OC
	Additional Extractable reserve in 29.5 Ha area later appended by MoC				2.49	F-G	OC
Total Geological Reserves in the Block (MT)*					174.62		
Geological Reserves considered for OC (MT)					68.888		
Extractable Coal for OC (MT)					61.155		
Total OB (MCum)					148.14		
Strip Ratio (Cum/Te)					2.42		

***** *The geological reserve as indicated in the Mining Plan is 174.62 Mt, whereas as per the Geological Report (Prepared by MECL in March 1983), the total geological reserve is 222.43 Mt.*

PART B

Sr. No.	Features	Details
1.	**Previous Allocation**	
	Name and Address of Allotee	Corporate Ispat Alloys Limited (Abhijeet)
2.	**Target Capacity as per Mining Plan**	3.45 MTPA
3.	**Status of Clearances/Approvals**	
	Mining Plan/ Mine Closure Plan	47011/1(18)2000-CPAM/CA, 15/05/2012
	Forest Clearance	Stage I, (A)8-102/2011-FC; (B)8-102/2011-FC; (C)PCCF_ED WLB, Date: 22/02/2013
	Environmental Clearance	For 2 MTPA Capacity only; J-11015/254/2006-IA.IIM
	Mining Lease	Yet to be granted
	Land Acquisition	641.76 Ha as on 21/10/2014
	No. of PAFs as per Mining Plan/ Mine Closure Plan	152
4.	Surface Infrastructure already built, if any.	CHP & Coal Washery on completion stage as per data submitted

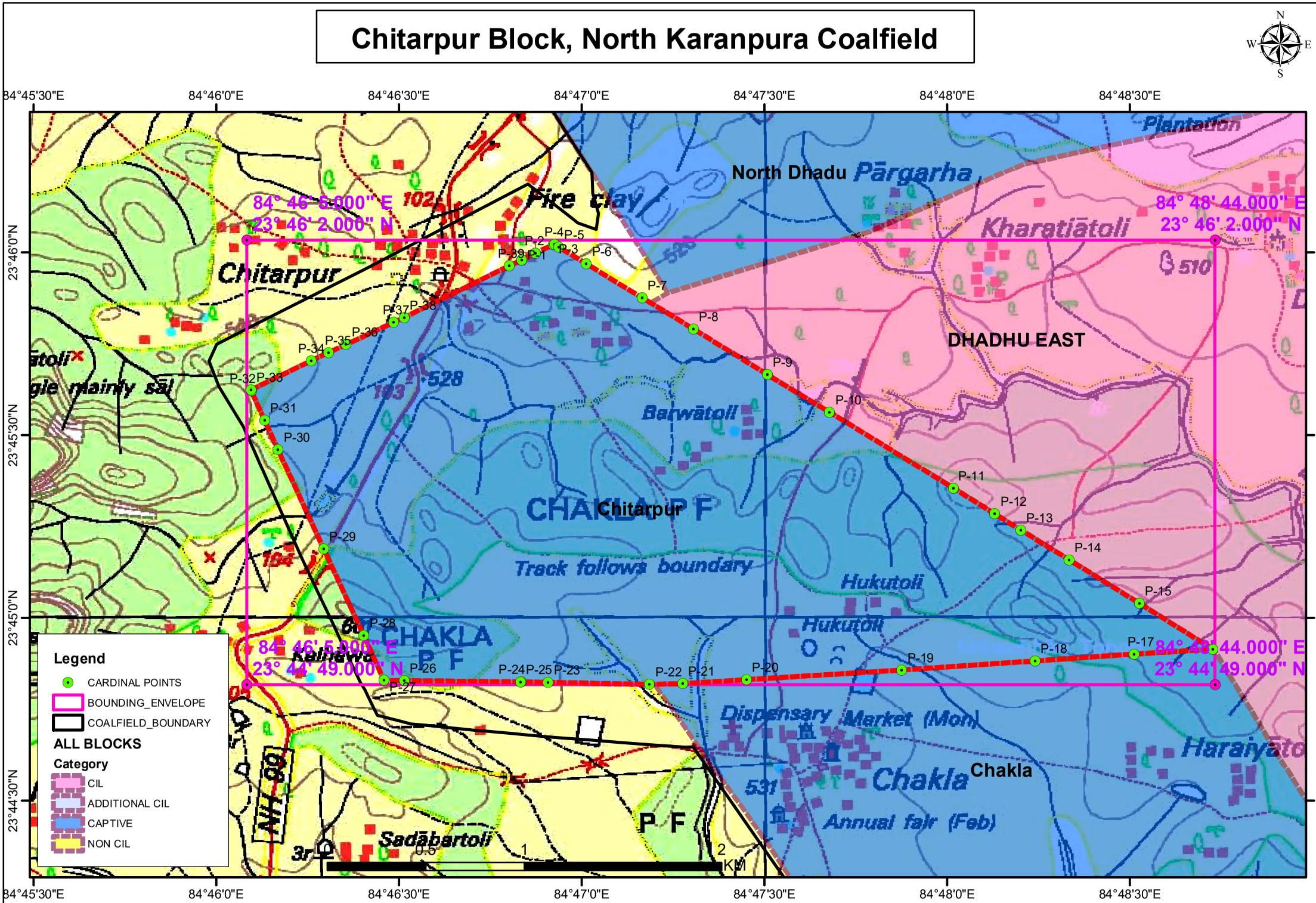
Note:

1. 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.

2. 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.

3. There is 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.

Chitarpur Block, North Karanpura Coalfield



NOTE: Coordinates are provisional in WGS84 System

Provisional Cardinal Points for Chitarpur Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	84° 46' 50.103" E	23° 45' 58.733" N
P-2	84° 46' 52.380" E	23° 45' 59.851" N
P-3	84° 46' 55.306" E	23° 46' 1.242" N
P-4	84° 46' 55.485" E	23° 46' 1.328" N
P-5	84° 46' 56.235" E	23° 46' 0.849" N
P-6	84° 47' 0.746" E	23° 45' 58.095" N
P-7	84° 47' 9.922" E	23° 45' 52.551" N
P-8	84° 47' 18.380" E	23° 45' 47.409" N
P-9	84° 47' 30.466" E	23° 45' 39.912" N
P-10	84° 47' 40.735" E	23° 45' 33.730" N
P-11	84° 48' 1.012" E	23° 45' 21.292" N
P-12	84° 48' 7.810" E	23° 45' 17.055" N
P-13	84° 48' 12.116" E	23° 45' 14.364" N
P-14	84° 48' 20.044" E	23° 45' 9.524" N
P-15	84° 48' 31.562" E	23° 45' 2.361" N
P-16	84° 48' 43.646" E	23° 44' 54.827" N
P-17	84° 48' 30.693" E	23° 44' 54.024" N
P-18	84° 48' 14.494" E	23° 44' 52.900" N
P-19	84° 47' 52.546" E	23° 44' 51.418" N
P-20	84° 47' 27.051" E	23° 44' 49.850" N
P-21	84° 47' 16.599" E	23° 44' 49.185" N
P-22	84° 47' 11.182" E	23° 44' 49.073" N
P-23	84° 46' 54.508" E	23° 44' 49.404" N
P-24	84° 46' 50.063" E	23° 44' 49.492" N
P-25	84° 46' 49.900" E	23° 44' 49.477" N
P-26	84° 46' 30.882" E	23° 44' 49.711" N
P-27	84° 46' 27.526" E	23° 44' 49.752" N
P-28	84° 46' 24.225" E	23° 44' 57.100" N
P-29	84° 46' 17.630" E	23° 45' 11.348" N
P-30	84° 46' 10.140" E	23° 45' 27.613" N
P-31	84° 46' 7.928" E	23° 45' 32.431" N
P-32	84° 46' 5.755" E	23° 45' 37.243" N
P-33	84° 46' 5.675" E	23° 45' 37.420" N
P-34	84° 46' 15.572" E	23° 45' 42.172" N
P-35	84° 46' 18.427" E	23° 45' 43.521" N
P-36	84° 46' 21.309" E	23° 45' 44.863" N
P-37	84° 46' 29.133" E	23° 45' 48.507" N
P-38	84° 46' 30.848" E	23° 45' 49.306" N
P-39	84° 46' 48.120" E	23° 45' 57.776" N