BRAHMAPURI COAL BLOCK SUMMARY

PART A

<table>
<tr><th>Sr. No.</th><th>Features</th><th colspan="3">Details</th></tr>
<tr><td rowspan="9">1.</td><td colspan="4">Location</td></tr>
<tr><td>Coal Block</td><td colspan="3">BRAHAMPURI</td></tr>
<tr><td>Coal Field</td><td colspan="3">Pench-Kanhan Valley Coalfield</td></tr>
<tr><td>Latitude</td><td>22º 12′ 26″ N & 22º 13′ 46″ N (Provisional)</td><td rowspan="2">Topo Sheet No. 55J/16</td></tr>
<tr><td>Longitude</td><td>78º 51′ 18” E & 78º 52′ 41″ E (Provisional)</td></tr>
<tr><td>Villages</td><td colspan="3">Bichhua Pathar, Sirgora,Kukur Munda, Chhinda, Sethia, Mandla.(As per Mining Plan)</td></tr>
<tr><td>Tehsil/ Taluka</td><td colspan="3">Parasia</td></tr>
<tr><td>District</td><td colspan="3">Chhindwara</td></tr>
<tr><td>State</td><td colspan="3">Madhya Pradesh.</td></tr>
<tr><td rowspan="3">2.</td><td colspan="4">Area</td></tr>
<tr><td>Geological Block Area</td><td colspan="3">7.5 Sq. km. (As per shape file. Refer Note No. 3)</td></tr>
<tr><td>Mining Lease Area</td><td colspan="3">400 hectares</td></tr>
<tr><td rowspan="5">3.</td><td colspan="4">Exploration</td></tr>
<tr><td>Status of Exploration</td><td colspan="3">Explored</td></tr>
<tr><td>Exploration Agency</td><td colspan="3">Mineral Exploration corporation Ltd(MECL),</td></tr>
<tr><td>Total Number of Boreholes</td><td colspan="3">36(Within the lease hold area)</td></tr>
<tr><td>Boreholes Meterage</td><td colspan="3">10001.2 m (Within the lease hold area)</td></tr>
<tr><td rowspan="4">4.</td><td colspan="4">Amount of Coal</td></tr>
<tr><td>Overall Borehole Density</td><td colspan="3">10. boreholes per sq. km((Within the lease hold area)</td></tr>
<tr><td>Geological Reserves</td><td colspan="3">1. 102.48 Mt (As per Geological Report)
2. Geological reserve considered in Mining Plan – 38 Mt (+1.5m thick).</td></tr>
<tr><td>Extractable Reserves</td><td colspan="3">12.343 MT (As per Mining Plan)</td></tr>
<tr><td rowspan="3">5.</td><td colspan="4">Coal Seams</td></tr>
<tr><td>Dip of Seam</td><td colspan="3">1 in 7 to 1 in 8 towards north.</td></tr>
<tr><td>Direction of Strike</td><td colspan="3">NE-SW to E-W (Western part).</td></tr>
</table>

Seam Wise Reserve

Seam	Geological (MT)	Extractable (MT)	Method
IC	14.29	5.023	U/g
IIA	3.94	1.286	
IIB	0.62	0.229	
III	1.65	0.510	
IVA	6.52	2.145	
VA	6.77	2.107	
VB	4.18	1.043	
Total	**37.97**	**12.343**	

Thickness of Coal Seams

Coal Seam	Thickness range (Mtrs)
Upper Group of Seams	
IA	0.052 to 1.31
IB	0.21 to 2.16
IC	1.49 to 3.63
IIA	0.10 to 2.5

		IIB	0.49 to 1.79
		III	0.15 to 1.82
		Lower Group of Seams	
		IVA	0.80 to 2.80
		VA	0.56 to 2.94
		VB	0.42 to 2.98
		VC	Mostly less than 0.5m

	Partings	Between Seams	Usual (in metres)
		Parting between IA and IB	0.13 to 2.44
		Parting between IB and IC	0.16 to 0.99
		Parting between IC and IIA	1.33 to 4.74
		Parting between IIA and IIB	0.34 to 2.15
		Parting between IIB and III	1.99 to 3.51
		Parting between III and IVA	15 to 20
		Parting between IVA and VA	2 to 7
		Parting between VA and VB	7 to 12
		Parting between VB and VC	1 to 4.5

	Faults	**Name of Fault**	**Throw (m)**
		F11(B)	50
		F12(B)	60-70
		F13(B)	20
		F14(B)	20-70
		F15(B)	10-25
		F16(B)	10
		F17(B)	20
		F18(B)	10
		F19(B)	20-35
		F21(B)	10-20
		F22(B)	30-40
		F23(B)	10
		F24(B)	35-70
		F25(B)	50
		F26(B)	15-20
		F27(B)	10
		F28(B)	30

6.	**Grade**		
	Quality (Grade) of coal as per GR	Seam	Range
		Upper group of Seams	C - E (generally D)
		Lower group of seams	B-D (generally C)
7.	**Accessibility**		
	Nearest Rail Head Distance	Parasia is linked with Chhindwara through a narrow gauge railway line of south eastern railway and with Amla (87km on GT line) by broad gauge railway line of central railway. The nearest railway siding from the block is available at Rawannara colliery (narrow gauge, distance 2km) and at Khirsadoh (Broad gauge, distance 14 km) for coal loading.	
	Road	The block is located about 15km east of parasia, the major mining town in pench valley coalfield. Parasia is located 27km north of chhindwara, the district HQ and connected by M.P. state highway No-19 passing through perasia and connecting chhindwara with piparia/panchmahi.	
	Airport Distance		
8.	**Hydrography**		
	Local Surface Drainage Channels	The rain fed gullies and nallas mostly flow in all directions from the central ridges.	
	Rivers/ Nala	The perennial drainage in the block is through the southerly flowing Pench river which cuts across the block in its western part.	
9.	**Climate**		
	Average Annual Rainfall	Around 1200-1800 mm.	
	Temperatures (Min)	5-6^{o}C	
	Temperatures (Max)	40^{o}C	
10.	**Topography**		
	Topo Sheet Number	55 J/16	
	Nature of Surface Land	The block is a rugged terrain comprising two parallel ridges-running east-west in the central part-elevations of which reach up-to maximum of 810m to as low as 750m	
11.	**Other Infrastructure**		
	Coal Handling Plant Capacity	400te	
	Coal Washery Capacity	N/A	
	Transport from Mine	By Road	
	Power Supply	33kV O/H line from nearest sub station of MPEB at Amarwara	

PART B

Sr. No.	Features	Details
1.	**Previous Allocation**	
	Name of Allocatee	M/s Pushp Steels & Mining (PVT.) Ltd.
	Address	M/s Pushp Steels & Mining (PVT.) Ltd. 751, Ground Floor, Kundewalan St., Ajmeri Gate, Delhi-110 006.
	Nature of End Use	Captive consumption for manufacture of Sponge Iron Plant of M/s Pushp Steels & Mining (PVT.) Ltd.
2.	**Status of Mineral Exploitation**	
	Method of Mining	Underground mining
	Coal Extracted	NIL
	Mine Plan Extraction Rate	0.36 MTY Targeted.
	Average Stripping Ratio	NA
	Mining Agency	
3.	**Status of Clearances/Approvals**	
	Mining Plan(Reference to Grant)	Approved No.13016/63/2008-CA-I dated 23.04.2010
	Forest Clearance (Reference to Grant)	No
	Environmental Clearance (Reference to Grant)	No
	Land Required	Within Block:4.696 Ha, Outside Block: 2.268 Ha (As per data provided by prior allottee in Annexure-III)
	Land Acquired	4.191 Ha (As per data provided by prior allottee in Annexure-III)
	R&R	Not Applicable (As per Annexure-III submitted by the prior allottee)

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 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.