

MADHUBAND UNDERGROUND BLOCK; JHARIA COALFIELD, DISTT: DHANBAD, BIHAR
STATEMENT SHOWING SECTOR-WISE, HORIZON-WISE, THICKNESS-WISE, V.M.-WISE AND ASH-WISE NET PROVED RESERVES
(SEAM : VIIIB, EX-BAND, VIRGIN)

Table : No. TA/R/D-4 (E) (Reserves in '000 tonnes)

SECTOR	Horizon R.L.s (m.)	Area (Sq. m.)	V.M. Range (%)	Ash Range (%)	THICKNESS RANGE (m.)										TOTAL
					0.5-0.9	0.9-1.2	1.2-2.00	2.00-4.00	4.00-6.00	6.00-7.00	7.00-8.00	8.00-10.00	10.00-12.00	12.00-14.00	
1	1	3	4	5	6	7	8	9	10	11	12				
A	+ 0 to 100	10720	25 - 30	-	-	-	-	-	-	-	-	-	-	-	18
	-		28 - 35	4	7	7	7	-	-	-	-	-	-	-	18
HORIZON TOTAL															
	- 100 to -200	199,040	22 - 25	24 - 28	22	29	12	-	-	-	-	-	-	-	63
			28 - 35	23	19	182	-	-	-	-	-	-	-	-	224
			TOTAL	45	48	194	-	-	-	-	-	-	-	-	287
	25 - 30		28 - 35	2	9	72	-	-	-	-	-	-	-	-	83
	TOTAL		24 - 28	22	29	12	-	-	-	-	-	-	-	-	63
	ASH-WISE		28 - 35	25	28	254	-	-	-	-	-	-	-	-	307
HORIZON TOTAL															
				47	57	266	-	-	-	-	-	-	-	-	370

Contd.....

SEAM : VIIIIB, IX-BAND, VIRGIN. Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
A	- 200 to-300	10080	22 - 25	24 - 28 28 - 35	- -	- -	18 4	- -	- -	- -	18 4
HORTON TOTAL											
							22	-	-	-	22
			TOTAL	24 - 28	12	29	30	-	-	-	81
			ASH-WISE	28 - 35	29	35	265	-	-	-	329
TOTAL FOR SECTOR 210,840											
					51	64	295	-	-	-	410
B	- 200 to-300		22 - 25	24 - 28	11	-	-	-	-	-	11
TOTAL FOR SECTOR 10720											
					11	-	-	-	-	-	11
C	- 200 to-300		22 - 25	28 - 35	20	-	-	-	-	-	20
TOTAL FOR SECTOR 19040											
					20	-	-	-	-	-	20
E	+ C & above		22 - 35	24 - 28	-	-	710	-	-	-	710
				28 - 35	-	-	26	-	-	-	26
TOTAL 736											
					-	-	736	-	-	-	736

1	2	3	4	5	6	7	8	9	10	11	12
E	± 0 & above	303,360	25 - 30	24 - 28 28 - 35	-	-	5 6	-	-	-	5 6
				TOTAL	-	-	11	-	-	-	11
				TOTAL ASH-WISE	-	-	715 32	-	-	-	715 32
				HORIZON TOTAL	-	-	747	-	-	-	747
				± 0 to - 100	9,120	22 - 25	24 - 28	-	-	-	23
				HORIZON TOTAL	-	-	23	-	-	-	23
				TOTAL ASH-WISE	24 - 28 28 - 35	-	738 32	-	-	-	738 32
				TOTAL FOR SECTOR	312,480	-	770	-	-	-	770
F	± 0 to - 100	28,320	22 - 25	24 - 28 28 - 35	-	-	45 15	-	-	-	45 25
				HORIZON TOTAL	-	-	60	10	-	-	70

Contd.....

SEAM : VIIIB, EX-BAND, VIRGIN. Contd..... : 28 :

	1	2	3	4	5	6	7	8	9	10	11	12
F - 100 to - 200			41,280	22 - 25	24 - 28	-	-	51	62	-	-	113
HORIZON TOTAL						-	-	51	62	-	-	113
				TOTAL	24 - 28			96	62	-	-	158
				ASH-WISE	28 - 35			15	10	-	-	25
TOTAL FOR SECTOR			69,600			-	-	111	72			183

SEAM : VIIIB, EX-BAND, BARRIER ZONE, VIRGIN.

	1	2	3	4	5	6	7	8	9	10	11	12
A ± 0 to - 100					22 - 25	24 - 28	6	-	-	-	-	6
TOTAL							6	-	-	-	-	6
				25 - 30	28 - 35	5	-	-	-	-	-	5
TOTAL						5	-	-	-	-	-	5

Contd.....

SEAM : VIIIB, EX-BAND, BARRIER ZONE. Contd.....

	1	2	3	4	5	6	7	8	9	10	11	12
A	± 0 to - 100	8,320	TOTAL ASH-WISE	24 - 28	28 - 35	5	-	-	-	-	-	5
HORIZONTAL TOTAL												
A	- 100 to - 200	9,920	22 - 25	24 - 28	5	7	-	-	-	-	-	12
HORIZONTAL TOTAL												
TOTAL ASH-WISE												
				24 - 28	28 - 35	5	7	-	-	-	-	8
				24 - 28	28 - 35	5	-	-	-	-	-	5
TOTAL FOR SECTOR												
		18,240				15	7	-	-	-	-	23
E	± 0 to above	22 - 25	24 - 28	28 - 35	-	-	-	3	-	-	-	3
			28 - 35	-	-	-	-	35	-	-	-	35
TOTAL												
						-	-	38	-	-	-	38
				24 - 28	28 - 35	-	-	3	-	-	-	3
		25 - 30		28 - 35	-	-	-	16	-	-	-	15
TOTAL												
						-	-	19	-	-	-	19

Contd.....

: 30 :

SEAM : VIIIB, EX-BAND, BARRIER ZONE. Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
			TOTAL ASH-WISE	24 - 28 28 - 35	- -	- -	6 51	- -	- -	- -	6 51
TOTAL FOR SECTOR		25,600				-	57	-	-	-	57
F	± 0 to - 100	28,640	22 - 25	28 - 35	-	-	34	54	-	-	88
	HORIZON TOTAL				-	-	34	54	-	-	88
	- 100 to - 200	8,480	22 - 25	28 - 35	-	-	30	-	-	-	30
	HORIZON TOTAL				-	-	30	-	-	-	30
			TOTAL ASH-WISE	28 - 35	-	34	34	84	-	-	118
TOTAL FOR SECTOR		37,120			-	-	34	84	-	-	118

MADHUBAND UNDERGROUND BLOCK, CHARIA CUALFIELD, DIST: DHANBAD, BIHAR.
 STATEMENT SHOWING SECTOR-WISE, HORIZON-WISE, THICKNESS-WISE AND ASH-WISE NET PROVED RESERVES
 (SEAM: VIIC, IN-BAND, VIRGIN.)

TABLE:NU. TA/R/O-5 (I)

(Reserves in '000 tonnes)

SECTOR	Horizon R.l.'s (m.)	Area (Sq. m.)	Ash Range (%)	THICKNESS RANGE (m.)							T O T A L
				0.5 - 0.9	0.9 - 1.2	1.2 - 2.00	2.00 - 4.00	4.00 - 6.00	6.00 - 7.6.00		
E	± 0 & above		28 - 35	-	-	-	1,101	-	-	1,101	
TOTAL FOR SECTOR		305,760		-	-	-	1,101	-	-	1,101	
F	± 0 & above	800	20 - 35	-	-	-	3	-	-	3	
HORIZON TOTAL				-	-	-	3	-	-	3	
± 0 to -100		70,240	28 - 35	-	-	-	254	-	-	254	
HORIZON TOTAL				-	-	-	254	-	-	254	
-100 to -200		89,920	20 - 35	-	-	-	363	-	-	363	
HORIZON TOTAL				-	-	-	363	-	-	363	
-200 to -300		4,400	20 - 35	-	-	-	10	-	-	10	
HORIZON TOTAL				-	-	-	10	-	-	10	
TOTAL		28 - 35	-	-	-	-	638	-	-	638	
ASH-WISE											
TOTAL FOR SECTOR		165,440		-	-	-	638	-	-	638	

Contd....

SEAM: VIIIIC, In-band, Contd.....

BARRIER ZONE

1	2	3	4	5	6	7	8	9	10	11
E	0 & above		28 - 35	-	-	-	155	-	-	155
TOTAL FOR SECTOR		38,400					155	-	-	155

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(SEAM : VIII C , EX-BAND , VIRGIN)

(Reserves in '000 tonnes)

HORIZON TOTAL

Contd.....

SEAM : VIII C, EX - BAND, VIRGIN. Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
F	± 0 to - 100	69,120	22 - 25	23 - 35	-	-	54	79	-	-	133
				TOTAL			54	79			133
			25 - 30	24 - 28	-	-	5	-	-	-	5
				23 - 35	-	-	27	20	-	-	47
				TOTAL			32	20			52
			TOTAL ASH-WISE	24 - 28	-	-	5	-	-	-	5
				23 - 35	-	-	31	99	-	-	130
					-	-	86	99			185
			HORIZON TOTAL								
	- 100 to - 200	76,000	22 - 25	24 - 28	-	-	5	-	-	-	5
				23 - 35	-	-	63	132	-	-	195
				TOTAL	-	-	68	132	-	-	200
			25 - 30	24 - 28	-	-	5	-	-	-	5
				23 - 35	-	-	3	3	-	-	6
				TOTAL	-	-	8	3	-	-	11
			TOTAL ASH-WISE	24 - 28	-	-	10	-	-	-	10
				23 - 35	-	-	5	135	-	-	201
					-	-	76	135	-	-	211
			HORIZON TOTAL								

Contd.....

SEAM : VIII C, EX - BAND, VIRGIN. Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
F	- 200 to - 300	4,320	22 - 25	23 - 35	-	-	3	10	-	-	13
HORIZON TOTAL											
TOTAL											
ASH-WISE											
			24 - 23	-	-	-	15	-	-	-	15
			26 - 35	-	-	-	150	247	-	-	397
TOTAL FOR SECTOR											
					-	-	165	247	-	-	412

SEAM : VIII C, EX - BAND, VIRGIN, BARRETT ZONE.

1	2	3	4	5	6	7	8	9	10	11	12
E	± 0 & above		22 - 25	23 - 35	-	-	-	133	-	-	133
TOTAL FOR SECTOR											
					-	-	-	133	-	-	133

MADHUBAND UNDERGROUND BLOCK, JHARIA COALFIELD, DIST: DHANBAD, BIHAR
STATEMENT SHOWING SECTOR-WISE, HORIZON-WISE, THICKNESS-WISE AND ASH-WISE NET PROVED RESERVES
(SEAM : VIIIIC/IX/X, IN-BAND, VIRGIN)

TABLE : NO. TA/R/D-6 (I) (Reserves in '000 tonnes)

SECTOR	Horizon R.L.'s (m.)	Area (Sq.m.)	Ash Range (%)	THICKNESS RANGE (m.)							TOTAL
				0.5 - 0.9	0.9 - 1.2	1.2 - 2.00	2.00 - 4.00	4.00 - 6.00	7	6.00	
1	2	3	4	5	6	7	8	9	10	11	
A	± 0 to -100	27,840	21 - 24	---	---	---	---	---	91	91	
			24 - 28	---	---	---	---	---	285	285	
	HORIZON TOTAL			---	---	---	---	---	376	376	
	-100 to -200	176,320	21 - 24	---	---	---	---	---	466	466	
			24 - 28	---	---	---	---	---	2197	2197	
	HORIZON TOTAL			---	---	---	---	---	2,663	2,663	
	-200 to -300	17,280	24 - 28	---	---	---	---	---	218	218	
	HORIZON TOTAL			---	---	---	---	---	218	218	
	TOTAL ASH-WISE		21 - 24	---	---	---	---	---	557	557	
			24 - 28	---	---	---	---	---	2,700	2,700	
	TOTAL FOR SECTOR	221,440		---	---	---	---	---	3,257	3,257	

Contd...

SEAM : VIII C, EX - BAND, VIRGIN. Contd.....

	1	2	3	4	5	6	7	8	9	10	11	12
F	-	200 to - 300	4,320	22 - 25	23 - 35	-	-	3	10	-	-	13
HORIZON TOTAL												
						-	-	3	10	-	-	13
TOTAL												
ASH-WISE												
						-	-	15	-	-	-	15
						-	-	150	247	-	-	397
TOTAL FOR SECTOR												
						-	-	165	247	-	-	412

SEAM : VIII C, EX - BAND, VIRGIN, BARRIER ZONE.

	1	2	3	4	5	6	7	8	9	10	11	12
E	-	± 0 & above	22 - 25	23 - 35	-	-	-	-	133	-	-	133
TOTAL FOR SECTOR												
						-	-	-	133	-	-	133

MADHUBAND UNDERGROUND BLOCK, JHARIA COALFIELD, DIST: DHANBAD, BIHAR
STATEMENT SHOWING SECTOR-WISE, HORIZON-WISE, THICKNESS-WISE AND ASH-WISE NET PROVED RESERVES
(SEAM : VIIIIC/IX/X, IN-BAND, VIRGIN)

(Reserves in '000 tonnes)

TABLE : NO. 1A/R/D-5 (I)

SECTOR	Horizon R.L.'s (m.)	Area (Sq.m.)	Ash Range (%)	THICKNESS RANGE (m.)							TOTAL
				0.5 - 0.9	0.9 - 1.2	1.2 - 2.00	2.00 - 4.00	4.00 - 6.00	7	6.00	
1	2	3	4	5	6	7	8	9	10		11
A	+ 0 to -100	27,840	21 - 24						91		91
			24 - 28						285		285
	HORIZON TOTAL								376		376
	-100 to -200	176,320	21 - 24						466		466
			24 - 28						2197		2197
	HORIZON TOTAL								2,663		2,663
	-200 to -300	17,280	24 - 28						218		218
	HORIZON TOTAL								218		218
	TOTAL ASH-WISE		21 - 24						557		557
			24 - 28						2,700		2,700
	TOTAL FOR SECTOR	221,440							3,257		3,257

Contd....

SEAM: VIIIC/IX/X, In-band, Virgin, Contd....

1	2	3	4	5	6	7	8	9	10	11
B -200 to -300										
			24 - 28	---	---	---	---	34	1,658	1,692
			18 - 35	---	---	---	---	---	997	997
TOTAL FOR SECTOR										
		222,240		---	---	---	---	34	2,655	2,689
C -200 to -300										
		3,680	24 - 28	---	---	---	2	8	---	10
			28 - 35	---	---	---	---	6	13	19
HORIZON TOTAL										
				---	---	---	2	14	13	29
-300 to -400										
		52,160	24 - 28	---	---	---	1	---	---	1
			28 - 35	2	3	7	---	260	82	354
HORIZON TOTAL										
				2	3	7	1	260	82	355
TOTAL ASH-WISE										
			24 - 28	---	---	---	3	8	---	11
			28 - 35	2	3	7	---	266	95	373
TOTAL FOR SECTOR										
		55,840		2	3	7	3	274	95	384

Contd....

Seam : VIIIIC/IX/X, In-band, Virgin, Contd...

1	2	3	4	5	6	7	8	9	10	11
D	-200 to -300	640	24 - 20	--	--	--	3	--	--	3
HORIZON TOTAL										
				--	--	--	3	--	--	3
	-300 to -400	33,200	24 - 20	2	1	4	15	3	--	25
			20 - 35	5	5	12	35	23	--	80
HORIZON TOTAL										
		33,200		7	6	16	50	26	--	105
TOTAL										
			24 - 20	2	1	4	10	3	--	20
ASH-WISE										
			20 - 35	5	5	12	35	23	--	80
TOTAL FOR SECTOR										
		33,920		7	6	16	53	26	--	100
E + 0 & above										
		10,000	24 - 20	--	--	--	--	--	263	263
TOTAL FOR SECTOR										
				--	--	--	--	--	263	263

Contd...

SEAM : VIII C/IX/X, In-band, Virgin Contd....

1	2	3	4	5	6	7	8	9	10	11
F	+ 0 & above	14,000	24 - 28	---	---	---	---	9	160	177
HORIZON TOTAL										
	+ 0 to -100	12,320	24 - 28	---	---	1	14	49	16	00
HORIZON TOTAL										
	TOTAL	24 - 20	---	---	---	1	14	50	104	257
ASH-WISE										
TOTAL FOR SECTOR										
		27,200	---	---	---	1	14	53	104	257
H										
	-400 to -500	20 - 35	2	2	2	1	---	---	---	5
TOTAL FOR SECTOR										
		3,200	2	2	2	1	---	---	---	5
SEAM : VIII C. IN-BAND. DEVELOPED										
E										
	+ 0 & above	24 - 28	---	---	---	---	---	---	130	130
TOTAL FOR SECTOR										
		11,520	---	---	---	---	---	---	130	130

Contd.....

SEAM VIIIIC/IX/X, IN-BAND, Virgin
(BARRIER ZONE)

1	2	3	4	5	6	7	8	9	10	11
A	÷ 0 to 100	33,440	21 - 24						167	167
			24 - 20						277	277
HORIZON TOTAL										
	10 to 200	4,500	24 - 20						70	70
HORIZON TOTAL										
									167	167
									347	347
TOTAL FOR SECTOR										
		30,240							514	514

Contd...

1	2	3	4	5	6	7	8	9	10	11
A	± 0 and above		21 - 24	-	-	-	-	-	167	167
			24 - 28	-	-	-	-	-	347	347
TOTAL FOR SECTOR		38,240		-	-	-	-	-	514	514
<u>SEAM: VIIIC/IX/X, IN-BAND, DEVELOPED, BARRIER ZONE.</u>										
1	2	3	4	5	6	7	8	9	10	11
E	± 0 and above		24 - 28	-	-	-	-	-	163	163
TOTAL FOR SECTOR		12,000		-	-	-	-	-	163	163

MADHUBAND UNDERGROUND BLOCK; JHARIA COALFIELD, DISTT : DHANBAD, BIHAR
STATEMENT SHOWING SECTOR-WISE, HORIZON-WISE, THICKNESS-WISE, V.M.U.-WISE AND ASH-WISE NET PROVED RESERVES
(SEAM : VIIIIC/IX/X, EX-BAND, VIRGIN)

Table: NC TA/R/D-6 (E)

(Reserves in '000 tonnes)

SECTOR		Horizon	Area	V.M.U. Range	Ash Range	THICKNESS RANGE (m.)											TOTAL	
		'R.L.'s (m.)	'(Sq. m.)'	(%)	(%)	0.5-0.9	0.9-1.2	1.2-2.00	2.00-4.00	4.00-6.00	6.00-7	7	8	9	10	11	12	
A	± 0 to - 100	27,840	22 - 25	18 - 21	21 - 24	-	-	-	-	-	-	-	-	-	-	115	115	
	HORIZON TOTAL																338	
	- 100 to -200	176,320	22 - 25	18 - 21	21 - 24	-	-	-	-	-	-	-	-	-	-	268	268	
						-	-	-	-	-	-	-	-	-	-	1593	1593	
						-	-	-	-	-	-	-	-	-	-	514	514	
		HORIZON TOTAL																2375
		-200 to -300	17,280	22 - 25	24 - 28	-	-	-	-	-	-	-	-	-	-	214	214	
		HORIZON TOTAL																214
		TOTAL ASH-WISE																383
				18 - 21	21 - 24	-	-	-	-	-	-	-	-	-	-	1816	1816	
				24 - 28		-	-	-	-	-	-	-	-	-	-	728	728	
		TOTAL FOR SECTOR 221,440																2927

Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
B											
- 200 to - 300			22 - 25	21 - 24	-	-	-	-	16	663	679
			24 - 28		-	-	-	-	144	1603	1647
TOTAL FOR SECTOR											
		222,240							60	2260	2325
C											
- 200 - 300		3,680	22 - 25	21 - 24	-	-	-	12	5	-	17
HORIZON TOTAL											
- 300 to - 400		49,600	22 - 25	21 - 24	-	4	7	88	141	-	241
HORIZON TOTAL											
					1	4	7	88	141	-	241
TOTAL ASH-WISE											
			21 - 24		1	4	7	100	146	-	258
TOTAL FOR SECTOR											
		53,280			1	4	7	100	146	-	258
D											
- 200 to - 300		640	22 - 25	21 - 24	-	-	-	3	-	-	3
HORIZON TOTAL											
					-	-	-	3	-	-	3
- 300 to - 400		30,720	22 - 25	21 - 24	6	10	15	45	-	-	76
HORIZON TOTAL											
					6	10	15	45	-	-	76

Contd.....

SEAM : VIIIC/IX/X, EX - BAND, VIRGIN. Contd.....

: 44 :

1	2	3	4	5	6	7	8	9	10	11	12
D				21 - 24	6	10	15	48	-	-	79
			TOTAL ASH-WISE								
TOTAL FOR SECTOR		31,360			6	10	15	48	-	-	79
E	± 0 & above		22 - 25	21 - 24	-	-	-	-	-	220	220
TOTAL FOR SECTOR		18,030			-	-	-	-	-	220	220
F	± 0 & above	14,880	22 - 25	21 - 24	-	-	-	-	-	169	169
	HORIZON TOTAL				-	-	-	-	-	169	169
	± 0 to - 100	12,320	22 - 25	21 - 24	-	-	-	-	29	49	78
			24 - 28		-	-	-	9	8	-	17
	HORIZON TOTAL				-	-	-	9	37	49	95
TOTAL FOR SECTOR		27,200			-	-	-	9	37	218	264
H	- 500 to - 600		22 - 25	21 - 24	1	2	1	-	-	-	4
TOTAL FOR SECTOR		3,200			1	2	1	-	-	-	-

Contd.....

SEAM : VIIIC/IX/X, EX - BAND,

Contd.....

DEVELOPED

: 45 :

1	2	3	4	5	6	7	8	9	10	11	12
E	± 0 and above		22 - 25	21 - 24	-	-	-	-	-	109	109
TOTAL FOR SECTOR		11,520	-	-	-	-	-	-	-	109	109

SEAM : VIIIC/IX/X, EX-BAND, VIRGIN, BARRETT ZONE.

1	2	3	4	5	6	7	8	9	10	11	12
A	± 0 to - 100		33,280	22 - 25	18 - 21	-	-	-	-	44	44
					21 - 24	-	-	-	-	355	355

HORIZON TOTAL

- 100 to - 200 4,800 22 - 25 21 - 24 - - - - - - 62 62

HORIZON TOTAL

62 62

TOTAL
ASH-WISE18 - 21 13 44
21 - 24 21 417 417

TOTAL FOR SECTOR 38,080

461 461

E ± 0 & above 22 - 25 18 - 21 - - - - - - 57 57
21 - 24 - - - - - - - 82 82

TOTAL FOR SECTOR 11,200

139 139

Contd.....

46 ::

SEAM : VIII C/IX/X, EX - BAND, BARRIER ZONE, DEVELOPED. CONTD.....

	1	2	3	4	5	6	7	8	9	10	11	12
H ± 0 & above				22 - 25	21 - 24	-	-	-	-	-	120	120
TOTAL FOR SECTOR			12,000				-	-	-	-	120	120

MADHUBAND UNDERGROUND BLOCK, JHARIA COALFIELD, DIST: DHANBAD, BIHAR
STATEMENT SHOWING SECTOR-WISE, HORIZON-WISE, THICKNESS-WISE AND ASH-WISE NET PROVED RESERVES
(SEAM : IX/X, IN-BAND, VIRGIN)

TABLE:ND.TA/R/D-7(1)

(Reserves in '000 tonnes)

SECTOR	Horizon R.L.'s (m.)	Area (Sq.m.)	Ash Range (%)	Thickness Range (m.)										TOTAL
				0.5 - 0.9	0.9 - 1.2	1.2 - 2.00	2.00 - 4.00	4.00 - 6.00	6.00	7	10			
1	2	3	4	5	6	7	8	9						11
E	± 0 & above		24 - 28	-	-	-	9	188	3,715					3,912
TOTAL FOR SECTOR		372,800		-	-	-	9	188	3,715					3,912
F	± 0 to -100	151,840	24 - 28	3	5	23	141	192	453					817
			28 - 35	-	-	-	-	63	331					394
HORIZON TOTAL				3	5	23	141	255	784					1,211
	-100 to -200	119,200	24 - 28	7	9	26	-	268	101					411
			28 - 35	-	-	-	-	36	465					501
HORIZON TOTAL				7	9	26	-	304	566					912
	-200 to -300	17,600	24 - 28	1	1	4	4	-	-					10
			28 - 35	1	1	7	34	3	-					46
HORIZON TOTAL				2	2	11	38	3	-					56
	TOTAL		24 - 28	11	15	53	145	460	554					1,238
	ASH-WISE		28 - 35	1	1	7	34	102	796					941
TOTAL FOR SECTOR		288,640		12	16	60	179	562	1,350					2,179

Contd...

SEAM: IX/X, IN-BAND, BARRIER ZONE VIRGIN

1	2	3	4	5	6	7	8	9	10	11
E	± 0 & above		24 - 28	-	-	-	-	-	284	284
			28 - 35	-	-	-	-	-	69	69
TOTAL FOR SECTOR		35,520		-	-	-	-	-	353	353
F	± 0 to -100		24 - 28	-	-	-	-	31	6	37
			28 - 35	-	-	-	-	152	159	311
TOTAL FOR SECTOR		42,560		-	-	-	-	183	165	348

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STATEMENT SHOWING MADHUBANJ UNDERGROUND BLOCK; JHARKHAND COALFIELD, DISTT : DHANBAD, BIHAR
 SECTION-WISE, HORIZON-WISE, THICKNESS-WISE, V.M.U.-WISE AND ASH-WISE NET PROVED RESERVES
 (SEAM : IX/X, EX - BAND, VIRGIN)

Table : No. TM/R/D-7 (E)

(Reserves in '000 tonnes)

SECTOR	Horizon R.L.'s (m.)	Area (Sq. m.)	V.M.U. Range (%)	Ash range (%)	THICKNESS RANGE (M.)											TOTAL		
					0.5-0.9	0.9-1.2	1.2-2.00	2.00-4.00	4.00-6.00	6.00-7.00	7.00-8.00	8.00-9.00	9.00-10.00	10.00-12.00	12.00-14.00			
E	± 0 & above	22 - 25	21 - 24	-	-	-	-	-	-	-	-	-	-	22	1080	1110		
			24 - 23	-	-	-	-	-	-	-	-	-	-	-	1763	1763		
			TOTAL	-	-	-	-	-	-	-	-	-	-	-	22	2051	2373	
			24 - 23	-	-	-	-	-	-	-	-	-	-	-	-	919	919	
TOTAL			-	-	-	-	-	-	-	-	-	-	-	-	919	919		
		TOTAL ASH-WISE	21 - 24	-	-	-	-	-	-	-	-	-	-	22	1033	1110		
			24 - 23	-	-	-	-	-	-	-	-	-	-	-	2632	2632		
			TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	2632	2632	
			TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	22	3770	3792
TOTAL FOR SECTOR			372,300	-	-	-	-	-	-	-	-	-	-	-	22	3770	3792	
F	± 0 to - 100	150,240	22 - 25	21 - 24	-	-	-	-	-	-	-	-	-	35	-	35		
				24 - 23	-	-	-	-	-	-	-	-	-	-	-	583	1083	
				TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	35	35
				TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	35	35
HORIZON TOTAL			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

SEAM : IX/X, EX - BAND, PARTIER ZONE, VIRGIN. Contd.....

: 51 :

	1	2	3	4	5	6	7	8	9	10	11	12
E	± 0 & above				TOTAL ASH-WISE							
					24 - 28	-	-	-	-	-	363	363
TOTAL FOR SECTOR						-	-	-	-	-	363	363
F	± 0 to - 100				22 - 25	24 - 28	-	-	-	-	173	173
						28 - 35	-	-	-	-	41	47
					TOTAL		-	-	-	-	179	220
					25 - 30	24 - 28	-	-	-	-	90	90
					TOTAL		-	-	-	-	90	90
					TOTAL	24 - 28	-	-	-	-	263	263
					ASH-WISE	28 - 35	-	-	-	-	41	47
TOTAL FOR SECTOR							-	-	-	-	269	310

MADHUBAND UNDERGROUND BLOCK; JHARIA COALFIELD, DISTT: DHANBAD BIHAR

STATEMENT SHOWING SECTOR-WISE, HORIZON-WISE, THICKNESS-WISE AND ASH-WISE NET PROVED RESERVES

(SEAM: XI/XII, IN-BAND, VIRGIN)

Table: NO. TA/R/D - 0 (I)

(Reserves in '000 tonnes)

SECTOR	Horizon R.L.'s (m)	Area (sq.m.)	Ash Range (%)	THICKNESS RANGE (m)					
				0.5 - 0.9	0.9 - 1.2	1.2 - 2.00	2.00 - 4.00	4.00 - 6.00	6.00 TOTAL
A	+ 0 to -100	123680	18 - 21	-	-	-	-	217	130
	-		21 - 24	-	-	-	-	127	543
									347
									670
HORIZON TOTAL				-	-	-	-	344	673
	-100 to -200	319840	18 - 21	-	-	-	-	7	109
			21 - 24	-	-	-	-	171	1051
			24 - 28	-	-	-	-	61	1386
									1447
HORIZON TOTAL				-	-	-	-	239	2546
A	-200 to -300	67680	24 - 28	-	-	-	-	-	628
									628
HORIZON TOTAL				-	-	-	-	-	628

Seam: XI/XII, IN-BAND, VIRGIN, Contd....

1	2	3	4	5	6	7	8	9	10	11
A	-300 to -400	1280	24 - 28	-	-	-	-	-	12	12
HORIZON TOTAL										
			18 - 21	-	-	-	-	-	12	12
			21 - 24	-	-	-	-	224	239	463
			24 - 28	-	-	-	-	298	1594	1892
				-	-	-	-	61	2026	2087
TOTAL FOR SECTOR		512480		-	-	-	-	583	3859	4442
B	-100 to -200	131360	21 - 24	-	-	-	-	62	145	207
			24 - 28	7	12	19	145	200	206	589
HORIZON TOTAL										
				7	12	19	145	262	351	796
B	-200 to -300	192960	18 - 21	-	-	-	-	-	142	142
			21 - 24	-	-	-	62	185	523	770
			24 - 28	6	10	15	58	9	390	488
HORIZON TOTAL										
				6	10	15	120	194	1055	1400

Seam: XI/XII, In-band, Virgin, Contd....

: 55 :

1	2	3	4	5	6	7	8	9	10	11
C	-300 to -400	54720	21 - 24 24 - 28	2 8	- 12	6 21	26 50	54 -	- -	88 91
HORIZON TOTAL										
				10	12	27	76	54	-	179
TOTAL										
ASH-WISE										
			21 - 24 24 - 28	2 10	- 16	6 31	26 88	54 71	- 51	88 267
TOTAL FOR SECTOR										
		89120		12	16	37	114	125	51	355
D	-200 to -300	12000	24 - 20	-	-	-	-	28	69	97
HORIZON TOTAL										
				-	-	-	-	28	69	97
	-300 to -400	87040	24 - 28	-	-	-	14	456	155	625
HORIZON TOTAL										
				-	-	-	14	456	155	625

Seam: XI/XII, In-band, Virgin, Contd....

	1	2	3	4	5	6	7	8	9	10	11
D											
-400 to -500			82400	24 - 28	4 ,	6	9	26	105	423	573
HORIZON TOTAL					4	6	9	26	105	423	573
-500 to -600			6400	24 - 28	1		1	7	9	14	33
HORIZON TOTAL					1		1	7	9	14	33
TOTAL				24 - 28	5		10	47	598	661	1328
ASH-WISE											
TOTAL FOR SECTOR			187840		5	7	10	47	598	661	1328
E											
+ 0 & above				21 - 24	-	-	-	-	140	-	140
-				24 - 28	-	-	-	90	2592	600	3282
TOTAL FOR SECTOR			479680		-	-	-	90	2732	600	3422

Seam: XI/XII, In-band, Virgin, Contd....

: 57 :

1	2	b3	4	5	6	7	8	9	10	11
F	+ 0 & above	124320	24 - 20 28 - 35	-	-	-	-	41 413	562 6	603 419
HORIZON TOTAL										
	+ 0 to -100	126400	24 - 28 28 - 35	-	-	-	-	46 197	660 201	706 398
HORIZON TOTAL										
	-100 to -200	57280	24 - 28 28 - 35	-	-	-	-	-	272	272
HORIZON TOTAL										
				-	-	-	-	222	272	494
TOTAL										
			24 - 28	-	-	-	-	87	1494	1581
ASH-WISE										
			28 - 35	-	-	-	-	832	207	1039
TOTAL FOR SECTOR										
		308000		-	-	-	-	919	1701	2620

Seqm: XI/XII, In-band, Virgin, Contd....

	1	2	3	4	5	6	7	8	9	10	11
6		-100 to -200	15200	28 - 35	-	-	-	-	125	-	125
		HORIZON TOTAL			(-)	-	-	-	125	-	125
		-200 to -300	19600	28 - 35	-	-	-	-	96	68	164
		HORIZON TOTAL			(-)	-	-	-	96	68	164
		TOTAL ASH-WISE	28 - 35		-	-	-	-	221	60	289
		TOTAL FOR SECTOR	34,880		-	-	-	-	221	68	289

59

	1	2	3	4	5	6	7	8	9	10	11
A											
+ 0 & Above				18 - 21	-	-	-	-	64	-	64
				21 - 24	-	-	-	-	135	-	135
TOTAL FOR SECTOR			25920		-	-	-	-	199	-	199
B											
+ 0 & Above				21 - 24	-	-	-	-	15	-	15
TOTAL FOR SECTOR			1920		-	-	-	-	15	-	15
E											
+ 0 & Above				21 - 24	-	-	-	-	121	-	121
				24 - 28	-	-	-	91	356	199	64
				28 - 35	-	-	-	-	6	-	6
TOTAL FOR SECTOR			112960		-	-	-	91	483	199	773
F											
+ 0 & above			6400	24 - 28	-	-	-	-	44	-	44
HORIZON TOTAL					-	-	-	-	44	-	44

60

	1	2	3	4	5	6	7	8	9	10	11
F											
0 to -100			31520	28 - 35	-	-	-	20	176	-	204
HORIZON TOTAL					()	-	-	28	176	-	204
TOTAL				24 - 25	-	-	-	-	44	-	44
ASH-WISE				20 - 35	-	-	-	28	176	-	204
TOTAL FOR SECTOR			37920		-	-	-	28	220	-	248

MADHUBAND UNDERGROUND BLOCK, CHARIA COALFIELD, DIST: DHANBAD, BIHAR.
STATEMENT SHOWING SECTOR - WISE, HORIZON - WISE, THICKNESS - WISE, V.M.-WISE AND ASH-WISE, NET PROVED RESERVES
(SEAM: XI/XII, EX-BAND, VIRGIN.)

TABLE: NO. TA/R/D - 8 (E).

(Reserves in '000 tonnes)

SECTOR	Horizon R. (s(m.))	Area (Sq. M.)	V.M. RANGE (%)	Ash. Range	THICKNESS RANGE (m.)										T O T A L
					0.5 - 0.9	0.9 - 1.2	1.2 - 2.00	2.00 - 4.00	4.00 - 6.00	6.00 - 7.50	7.50 - 11	11 - 15	15 - 20	20 - 25	
A	1	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	0 to -100	123,500	22 - 25	10 - 21	-	-	-	-	-	-	05	-	-	-	05
				21 - 24	-	-	-	-	-	-	676	-	-	-	099
	HORIZON TOTAL				-	-	-	-	-	-	761	-	-	-	904
	-100 to -200	303,040	22 - 25	10 - 21	-	-	-	-	-	-	504	-	-	-	504
				21 - 24	-	-	-	-	-	-	369	-	-	-	960
				24 - 28	-	-	-	-	-	-	372	-	-	-	042
	HORIZON TOTAL				-	-	-	-	-	-	1,475	-	-	-	2,314
	-200 to -300	67,600	22 - 25	24 - 24	-	-	-	-	-	-	17	-	-	-	2
				24 - 28	-	-	-	-	-	-	553	-	-	-	553
	HORIZON TOTAL				-	-	-	-	-	-	556	-	-	-	573
	-300 to -400	1,200	22 - 25	24 - 20	-	-	-	-	-	-	11	-	-	-	11
					-	-	-	-	-	-	11	-	-	-	11
	HORIZON TOTAL				-	-	-	-	-	-	11	-	-	-	11

Contd....

SEAM: XI/XII, Ex-band, Virgin, Contd....

1	2	3	4	5	6	7	8	9	10	11	12
A			TOTAL	10 - 21	-	-	-	-	504	85	589
			ash-wise	21 - 24	-	-	-	-	839	1,040	1,887
				24 - 20	-	-	-	-	372	1,034	1,406
TOTAL FOR SECTOR		496,400			-	-	-	-	1,715	2,167	3,002
B	-100 to -200	96,000	22 - 25	10 - 21	-	-	-	-	32	-	32
				21 - 24	7	9	24	02	71	172	365
				24 - 20	3	5	2	3	11	55	79
HORIZON TOTAL					10	14	26	85	114	227	476
	-200 to -300	175,520	22 - 25	10 - 21	-	-	3	125	535	-	663
				21 - 24	5	6	13	36	4	40	104
				24 - 20	-	-	-	-	-	285	285
HORIZON TOTAL					5	6	16	161	539	325	1,052
	-300 to -400	53,280	22 - 25	24 - 20	-	-	-	-	-	455	455
	-400 to -500	2,000	22 - 25	24 - 20	-	-	-	-	-	24	24
HORIZON TOTAL					-	-	-	-	-	24	24
TOTAL				10 - 21	-	-	3	125	567	-	695
ASH-WISE				21 - 24	12	15	37	118	75	212	469
				24 - 20	3	5	2	3	11	819	843
TOTAL FOR SECTOR		327,680			15	20	42	246	653	1,031	2,007

Contd....

SEAM: XI/XII, Ex-band, Virginia Contd...

1	2	3	4	5	6	7	8	9	10	11	12
C	-200 to -300	30,720	22 - 25	21 - 24	1	2	10	26	50	79	160
HORIZON TOTAL											
	-300 to -400	20,520	22 - 25	21 - 24	5	7	10	36	35	-	93
HORIZ N TOTAL											
	TOTAL	21 - 24	6	9	20	62	85	79	261		

ASH-WISE

TOTAL FOR SECTOR		55,040	6	9	20	62	85	79	261
0	-200 to -300	12,000	22 - 25	21 - 24	-	-	-	99	99
HORIZON TOTAL			-	-	-	-	-	99	99
-300 to -400	07,040	22 - 25	21 - 24	-	-	8	68	610	694
HORIZON TOTAL			-	-	-	0	60	610	674
-400 to -500	02,720	22 - 25	21 - 24	4	5	10	37	62	434
HORIZON TOTAL			4	5	10	37	62	434	553
-500 to -600	7,360	22 - 25	21 - 24	1	1	2	5	9	16
HORIZON TOTAL			1	1	2	5	9	16	34
TOTAL		21 - 24	5	7	12	50	139	1,167	1,300

ASH-WISE

ASH-WISE

TOTAL FOR SECTOR	109,120	5	7	12	50	139	1,167	1,300
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Contd...

SEAM: XI/XII, Ex-band, Virgin, Contd...

1	2	3	4	5	6	7	8	9	10	11	12
E	± 0 & above	479,200	22 - 25	18 - 21	-	-	-	-	9	-	9
			21 - 24	-	-	-	-	249	897	-	1,146
			24 - 28	-	-	-	-	-	1,540	-	1,540
			TOTAL	-	-	-	-	249	2,446	-	2,695
	25 - 30		24 - 28	-	-	-	-	-	265	-	265
			TOTAL	-	-	-	-	-	265	-	265
	TOTAL		18 - 21	-	-	-	-	-	9	-	9
	ASH-WISE		21 - 24	-	-	-	-	249	897	-	1,146
			24 - 28	-	-	-	-	-	1,805	-	1,805
			TOTAL	-	-	-	-	249	2,711	-	2,960
F	± 0 & above	124,320	22 - 25	24 - 28	-	-	-	-	481	478	959
			TOTAL	-	-	-	-	-	481	478	959
	25 - 30		24 - 28	-	-	-	-	-	7	-	7
			TOTAL	-	-	-	-	-	7	-	7
	TOTAL		24 - 28	-	-	-	-	-	488	478	966
	ASH-WISE										
	HORIZON TOTAL										

Contd....

SEAM : XI/XII, EX-BAND, VIRGIN (Contd.)

: 64A :

	1	2	3	4	5	6	7	8	9	10	11	12
F												
$\pm$ 0 to												
(-) 100												
				22-25	24-28	-	-	-	-	305	701	1006
HORIZON TOTAL						-	-	-	-	305	701	1006
$\left\{ \begin{array}{l} (-) 100 \text{ to} \\ (-) 200 \end{array} \right\}$				22-25	24-28	-	-	-	13	341	-	354
HORIZON TOTAL						-	-	-	13	341	-	354
					24-28	-	-	-	13	1134	1179	2326
HORIZON TOTAL						-	-	-	13	1134	1179	2326
SECTOR TOTAL												
G				22-25	24-28	-	-	-	-	88	-	88
$\left\{ \begin{array}{l} (-) 100 \text{ to} \\ (-) 200 \end{array} \right\}$												
HORIZON TOTAL						-	-	-	-	88	-	88
$\left\{ \begin{array}{l} (-) 200 \text{ to} \\ (-) 300 \end{array} \right\}$				22-25	24-28	-	-	-	-	113	-	113
HORIZON TOTAL						-	-	-	-	113	-	113
					24-28	-	-	-	-	201	-	201
HORIZON TOTAL						-	-	-	-	201	-	201
SECTOR TOTAL						-	-	-	-	201	-	201

	1	2	3	4	5	6	7	8	9	10	11	12
A	± 0 & above	27,520	22 - 25	21 - 24	-	-	-	-	-	125	74	199
TOTAL FOR SECTOR		27,520	-	-	-	-	-	-	-	125	74	199
B	-100 to -200	1,920	22 - 25	21 - 24	-	-	-	-	-	13	-	43
E	± 0 & above	22 - 25	18 - 21	-	-	-	-	-	32	16	-	111
			21 - 24	-	-	-	-	-	107	34	-	351
			24 - 28	-	-	-	-	-	-	351	-	540
TOTAL FOR SECTOR		100,000	-	-	-	-	-	-	139	401	-	33
F	± 0 & above	6,400	22 - 25	24 - 28	-	-	-	-	22	11	-	33
HORIZON TOTAL			-	-	-	-	-	-	22	11	-	33
	± 0 to -100	31,520	22 - 25	24 - 28	-	-	-	-	70	28	-	98
TOTAL			-	-	-	-	-	-	70	28	-	98
	25 - 30		24 - 28	-	-	-	-	-	26	-	-	26
TOTAL			-	-	-	-	-	-	26	-	-	26
ASH-WISE			24 - 28	-	-	-	-	-	96	28	-	124
HORIZON TOTAL			-	-	-	-	-	-	96	28	-	124
TOTAL			24 - 28	-	-	-	-	-	118	39	-	157
TOTAL FOR SECTOR		37,920	-	-	-	-	-	-	118	39	-	157

(Reserves in '000 tonnes)

SECTOR	Horizon -1's (m.)	Area (Sq. m.)	Ash Range (%)	THICKNESS RANGE (m.)						TOTAL
				0.5 - 0.9	1.2	1.2 - 2.00	2.00 - 4.00	4.00 - 6.00	6.00	
1	2	3	4	5	6	7	8	9	10	11
A	0 - 100	160,000	15	12	-	-	-	-	-	12
			15 - 18	80	-	-	-	-	-	80
			18 - 21	53	-	-	-	-	-	53
			21 - 24	3	-	-	-	-	-	3
	HORIZON TOTAL			148	-	-	-	-	-	148
	-100 to -200	89,920	15	3	-	-	-	-	-	3
			15 - 18	38	-	-	-	-	-	38
			18 - 21	23	5	-	-	-	-	28
			21 - 24	1	7	-	-	-	-	8
			24 - 28	9	2	-	-	-	-	11
	HORIZON TOTAL			74	14	-	-	-	-	88
	TOTAL		15	15	-	-	-	-	-	15
	ASH-WISE		15 - 18	118	-	-	-	-	-	118
			18 - 21	76	5	-	-	-	-	81
			21 - 24	4	7	-	-	-	-	11
			24 - 28	9	2	-	-	-	-	11
	TOTAL FOR SECTOR	249,920		222	14	-	-	-	-	236

SEAM: Local(L-1), IN-BAND; VIRGIN, Contd...

1	2	3	4	5	6	7	8	9	10	11
0	± 0 to -100	10,080	15 - 18	9	-	-	-	-	-	9
HORIZON TOTAL										
00 to -200 237,120										
			15 - 18	7	-	-	-	-	-	7
			18 - 21	139	-	-	-	-	-	139
			21 - 24	73	-	-	-	-	-	73
			24 - 28	3	-	-	-	-	-	3
HORIZON TOTAL										
			222	222	-	-	-	-	-	222
200 to -300 68,000										
			15 - 18	22	-	-	-	-	-	22
			18 - 21	12	-	-	-	-	-	12
			21 - 24	12	-	-	-	-	-	12
			24 - 28	16	-	-	-	-	-	16
			28 - 35	2	-	-	-	-	-	2
HORIZON TOTAL										
			64	64	-	-	-	-	-	64
-300 to -400 64,800										
			24 - 28	63	-	-	-	-	-	63
HORIZON TOTAL										
			63	63	-	-	-	-	-	63
-400 to -500 35,200										
			24 - 28	34	-	-	-	-	-	34
HORIZON TOTAL										
			34	34	-	-	-	-	-	34
TOTAL										
					-	-	-	-	-	

ASH-WISE

Contd...

SEAM: Local(L-1), In-band, Virgin. Contd...

1	2	3	4	5	6	7	8	9	10	11
B		TOTAL	15 - 10	38	-	-	-	-	-	38
		ASH-WISE	10 - 21	151	-	-	-	-	-	151
			21 - 24	05	-	-	-	-	-	05
			24 - 28	116	-	-	-	-	-	116
			28 - 35	-	-	-	-	-	-	-
TOTAL FOR SECTOR		415,200		392	-	-	-	-	-	392
C		-100 to -300	21 - 24	13	-	-	-	-	-	13
			24 - 20	18	10	-	-	-	-	28
		HORIZON TOTAL		31	10	-	-	-	-	41
		- 00 to - 400	24 - 20	1	-	-	-	-	-	1
		HORIZON TOTAL		1	-	-	-	-	-	1
		TOTAL	21 - 24	13	-	-	-	-	-	13
		ASH-WISE	24 - 20	19	10	-	-	-	-	29
TOTAL FOR SECTOR		39,360		32	10	-	-	-	-	42
E		+ 0 & above	15 - 10	102	-	-	-	-	-	102
			18 - 21	59	-	-	-	-	-	59
			21 - 24	17	-	-	-	-	-	17
			24 - 20	4	-	-	-	-	-	4
			28 - 35	32	10	-	-	-	-	42
			7 35	32	66	-	-	-	-	98
TOTAL FOR SECTOR		300,000		246	76	-	-	-	-	322

Contd...

SEAM: Local(L-1), In-band, Virgin. Contd...

: 69 :

1	2	3	4	5	6	7	8	9	10	11
F	± 0 & above 108,640			15 - 18	8	-	-	-	-	8
			18 - 21	15	-	-	-	-	-	15
			21 - 24	-	-	-	-	-	-	-
			24 - 28	-	1	-	-	-	-	1
			28 - 35	8	53	-	-	-	-	61
			7 35	33	19	-	-	-	-	52
HORIZON TOTAL				64	73	-	-	-	-	137
+ 0 to -100 258,080				24 - 28	20	7	-	-	-	27
			28 - 35	85	118	4	-	-	-	207
			7/35	66	16	-	-	-	-	82
HORIZON TOTAL				171	141	4	-	-	-	316
-100 to -200 89,120				24 - 28	39	7	-	-	-	46
			28 - 35	26	31	-	-	-	-	57
HORIZON TOTAL				65	38	-	-	-	-	103
TOTAL				15 - 18	8	-	-	-	-	3
ASH-WISE				18 - 21	15	-	-	-	-	15
			21 - 24	-	-	-	-	-	-	-
			24 - 28	59	15	-	-	-	-	74
			28 - 35	119	202	4	-	-	-	325
			7 35	99	35	-	-	-	-	134
TOTAL FOR SECTOR				455,840	300	252	4	-	-	556

Contd...

SEAM: Local(L-1), In-band, Virgin. Contd....

	1	2	3	4	5	6	7	8	9	10	11
G		-100 to -200	8,000	28 - 35	8	-	-	-	-	-	8
		HORIZON TOTAL			8	-	-	-	-	-	8
		30 to -300	36,800	28 - 35	37	-	-	-	-	-	37
		HORIZON TOTAL			37	-	-	-	-	-	37
		TOTAL	28 - 35		45	-	-	-	-	-	45

ASH-WISE

TOTAL FOR SECTOR	44,000	45	-	-	-	-	-	-	-	-	45
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BARRIER - ON F. (VIRGIN)

	1	2	3	4	5	6	7	8	9	10	11
A		0 & above	36,800	15 - 18	25	-	-	-	-	-	25
				18 - 21	0	-	-	-	-	-	0
				21 - 24	2	-	-	-	-	-	2
		TOTAL FOR SECTOR			33	-	-	-	-	-	33
B		0 to -100	3,680	15 - 18	3	-	-	-	-	-	3
		HORIZON TOTAL			3	-	-	-	-	-	3

Contd....

SEAM: Local (L-1), In-band, Barrier Zone, Contd....

1	2	3	4	5	6	7	8	9	10	11
B	-100 to -100	4,320	15 - 18	4	-	-	-	-	-	4
HORIZON TOTAL				4	-	-	-	-	-	4
TOTAL				7	-	-	-	-	-	7
ASH-WISE										
TOTAL FOR SECTION				7	-	-	-	-	-	7
E	± 0 & above		L 15	25	-	-	-	-	-	25
			15 - 10	-	-	-	-	-	-	-
			18 - 21	-	-	-	-	-	-	-
			21 - 24	-	-	-	-	-	-	-
			24 - 28	-	-	-	-	-	-	-
			28 - 35	-	-	-	-	-	-	-
			7 35	10	38	-	-	-	-	4
TOTAL FOR SECTION				35	30	-	-	-	-	7
F	± 0 & above	B, 000	7 35	4	7	-	-	-	-	11
HORIZON TOTAL				4	7	-	-	-	-	11
	± 0 to -100	16,640	7 35	10	12	-	-	-	-	22
HORIZON TOTAL				10	12	-	-	-	-	22

Contd...

: 72 :

SEAM: Local(L-1), In-band, Barrier Zone. Contd...

1	2	3	4	5	6	7	8	9	10	11
TOTAL			7 35	14	19	-	-	-	-	33
ASH-WISE										
TOTAL FOR SECTION			24,640	14	19	-	-	-	-	33

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STATEMENT SHOWING SECTOR-WISE, HORIZON-WISE, THICKNESS-WISE, V.M.U.-WISE AND ASH-WISE NET PROVED RESERVES
(SEAM : LOCAL (L-1), EX-BAND, VIRGIN)

Table : NO. 1A/R/D-9 (E)

(Reserves in '00 tonnes)

SECTOR	Horizon R.L.'s	(m.)	Area (Sq. m.)	V.M.U. (%)	Range (%)	THICKNESS RANGE (m.)												TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12						
A	± 0 to - 100				142,080	22 - 25	17	70	40	3	17	70	40	3				
					15 - 18	18 - 21	21 - 24											
HORIZON TOTAL															130			
	- 100 to - 200				76,480	15	11	40	16	2	11	40	16	2				
HORIZON TOTAL															130			
HORIZON TOTAL															69			
TOTAL ASH-WISE															23			
															110			
															56			
															5			
TOTAL FOR SECTOR															199			

Contd.....

SEAM : LOCAL (L-1), EX - BAND, VIRGIN. Contd..... : 74 :

1	2	3	4	5	6	7	8	9	19	11	12
B	± 0 to - 100	9,600	22 - 25	15 - 18	9	-	-	-	-	-	9
	HORIZON TOTAL				9	-	-	-	-	-	9
B	- 100 to - 200	215,200	22 - 25	15 - 18	193	-	-	-	-	-	193
				13 - 21	3	-	-	-	-	-	3
	HORIZON TOTAL				196	-	-	-	-	-	196
	- 200 to - 300	66,720	22 - 25	15 - 18	59	-	-	-	-	-	59
				18 - 21	2	-	-	-	-	-	2
	HORIZON TOTAL				61	-	-	-	-	-	61
	- 300 to - 400	64,000	22 - 25	21 - 24	56	-	-	-	-	-	56
	HORIZON TOTAL				56	-	-	-	-	-	56
	- 400 to - 500	35,200	22 - 25	21 - 24	33	-	-	-	-	-	33
	HORIZON TOTAL				33	-	-	-	-	-	33
	TOTAL ASH-WISE		15 - 18		261	-	-	-	-	-	261
			18 - 21		5	-	-	-	-	-	5
			21 - 24		89	-	-	-	-	-	89
	TOTAL FOR SECTOR	390,720			355	-	-	-	-	-	355

Contd.....

SEAM : LOCAL (L-1), EX - BAND, VIRGIN. CONTD.....

: 75 :

	1	2	3	4	5	6	7	8	9	10	11	12
C	- 200 to - 300	34,400	22 - 25	15 - 18	31	-	-	-	-	-	-	31

HORIZON TOTAL

- 300 to - 400	960	22 - 25	15 - 18	1	-	-	-	-	-	-	-	1
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HORIZON TOTAL

TOTAL
ASH-WISE

15 - 18	32	-	-	-	-	-	-	-	-	-	-	32
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TOTAL FOR SECTOR

35,360

32	-	-	-	-	-	-	-	-	-	-	-	32
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E ± & above

22 - 25

15

15 - 18	36	-	-	-	-	-	-	-	-	-	-	36
18 - 21	61	-	-	-	-	-	-	-	-	-	-	61
21 - 24	20	-	-	-	-	-	-	-	-	-	-	20
24 - 28	15	-	-	-	-	-	-	-	-	-	-	15

TOTAL

192	-	-	-	-	-	-	-	-	-	-	-	192
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25 - 30

15 - 18	4	-	-	-	-	-	-	-	-	-	-	4
18 - 21	20	-	-	-	-	-	-	-	-	-	-	20
21 - 24	29	-	-	-	-	-	-	-	-	-	-	29

TOTAL

53	-	-	-	-	-	-	-	-	-	-	-	53
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Contd.....

SEAM : LOCAL (L-1), EX - BAND, VIRGIN. Contd.....

1	2	3	4	5	6	7	8	9	10	11	1
E	± 0 & above			15	36	-	-	-	-	-	5
				15 - 18	65	-	-	-	-	-	5
				18 - 21	80	-	-	-	-	-	5
				21 - 24	49	-	-	-	-	-	5
				24 - 28	15	-	-	-	-	-	5
TOTAL ASH-WISE					245	-	-	-	-	-	25
TOTAL FOR SECTOR											
F	± 0 & above	261,760		18 - 21	15	-	-	-	-	-	5
		102,880	22 - 25	21 - 24	16	-	-	-	-	-	5
				24 - 28	25	11	-	-	-	-	5
TOTAL					56	11	-	-	-	-	7
	25 - 30			15 - 18	19	-	-	-	-	-	9
				18 - 21	4	-	-	-	-	-	4
				21 - 24	5	-	-	-	-	-	5
				24 - 28	3	-	-	-	-	-	3
TOTAL					31	-	-	-	-	-	1
	30 - 35			15 - 18	4	-	-	-	-	-	+
TOTAL					4	-	-	-	-	-	+

Contd.....

SEAM : LOCAL (L-1), EX - BAND, VIRGIN. CONTD.....

: 75 :

1	2	3	4	5	6	7	8	9	10	11	12
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C	- 200 to - 300	34,400	22 - 25	15 - 18	31	-	-	-	-	-	31
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HORIZON TOTAL

- 300 to - 400	960	22 - 25	15 - 18	1	-	-	-	-	-	-	1
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HORIZON TOTAL

TOTAL
ASH-WISE

15 - 18	32	-	-	-	-	-	-	-	-	-	32
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TOTAL FOR SECTOR

35,360

E

± & above

22 - 25

15

15 - 18	36	-	-	-	-	-	-	-	-	-	36
18 - 21	61	-	-	-	-	-	-	-	-	-	61
21 - 24	20	-	-	-	-	-	-	-	-	-	20
24 - 28	15	-	-	-	-	-	-	-	-	-	15

TOTAL	192	-	-	-	-	-	-	-	-	-	192
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25 - 30

15	-	-	-	-	-	-	-	-	-	-	-
15 - 18	4	-	-	-	-	-	-	-	-	-	4
18 - 21	20	-	-	-	-	-	-	-	-	-	20
21 - 24	29	-	-	-	-	-	-	-	-	-	29

TOTAL	53	-	-	-	-	-	-	-	-	-	53
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Contd.....

SEAM : LOCAL (L-1), EX - BAND, VIRGIN. Contd.....

	1	2	3	4	5	6	7	8	9	10	11	1
					15	36	-	-	-	-	-	1
					15 - 18	65	-	-	-	-	-	5
					18 - 21	80	-	-	-	-	-	5
					21 - 24	49	-	-	-	-	-	5
					24 - 28	15	-	-	-	-	-	5
						245	-	-	-	-	-	25
TOTAL FOR SECTOR			261,760									
F					18 - 21	15	-	-	-	-	-	5
					21 - 24	16	-	-	-	-	-	5
					24 - 28	25	11	-	-	-	-	5
					TOTAL	56	11	-	-	-	-	7
					15 - 18	19	-	-	-	-	-	9
					18 - 21	4	-	-	-	-	-	4
					21 - 24	5	-	-	-	-	-	5
					24 - 28	3	-	-	-	-	-	3
					TOTAL	31	-	-	-	-	-	1
					15 - 18	4	-	-	-	-	-	4
					25 - 30							
					30 - 35							
					TOTAL	4	-	-	-	-	-	+

Contd.....

SEAM: LOCAL (L-1), EX - BAND, VIRGIN. Contd.....

	1	2	3	4	5	6	7	8	9	10	11	12
F ± 0 & above				TOTAL ASH-WISE	15 - 18 18 - 21 21 - 24 24 - 28	23 19 21 20	- - - 14	- - - -	- - - -	- - - -	- - - -	23 19 21 39
HORIZON TOTAL						91	11					103
F ± 0 to - 100			88,000	22 - 25	21 - 24 24 - 28	60 12	- 4	- -	- -	- -	- -	60 16
				TOTAL		72	4					76
			25 - 30	24 - 28	12	-	-	-	-	-	-	12
				TOTAL	12							12
				TOTAL ASH-WISE	21 - 24 24 - 28	60 24	- 4	- -	- -	- -	- -	60 24
						84	4					88
HORIZON TOTAL												
F - 100 to - 200			76,800	22 - 25	21 - 24	52	-	-	-	-	-	52
				TOTAL		52	-	-	-	-	-	52

Contd.

SEAM : LOCAL (L-1), EX-BAND, VIRGIN, BARRETT ZONE.

: 79 :

	1	2	3	4	5	6	7	8	9	10	11	12
A				22 - 25	15 - 18	21	-	-	-	-	-	21
± 0 & above					18 - 21	9	-	-	-	-	-	9
					21 - 24	2	-	-	-	-	-	2
TOTAL FOR SECTOR			33,920			32	-	-	-	-	-	32
B				± 0 to - 100	3,520	22 - 25	15 - 18	3	-	-	-	3
								3	-	-	-	3
HORIZON TOTAL												4
				- 100 to - 200	4,000	22 - 25	15 - 18	4	-	-	-	4
								4	-	-	-	4
HORIZON TOTAL												7
												7
TOTAL FOR SECTOR			7,520			7	-	-	-	-	-	7
												11
E				± 0 & above	22 - 25	15 - 18	11	-	-	-	-	11
												4
												1
												16

Contd.....

: 80 :

SEAM : LOCAL (L-1), EX - BAND, VIRGIN, BARRIER ZONE, Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
E	± 0 & above		25 - 30	4 15	11	-	-	-	-	-	11
				15 - 18	12	-	-	-	-	-	12
				18 - 21	3	-	-	-	-	-	3
				21 - 24	12	-	-	-	-	-	12
				TOTAL	38	-	-	-	-	-	38
				TOTAL ASH-WISE							
				4 15	22	-	-	-	-	-	22
				15 - 18	12	-	-	-	-	-	12
				18 - 21	7	-	-	-	-	-	7
				21 - 24	13	-	-	-	-	-	13
				TOTAL FOR SECTOR	60,000	-	-	-	-	-	54
				± 0 and above		-	-	-	-	-	4
				TOTAL FOR SECTOR	4,000	-	-	-	-	-	4

MADHUBAND UNDERGROUND BLOCK, JHARIA COALFIELD, DIST: DHANBAD, BIHAR
STATEMENT SHOWING SECTOR-WISE, HORIZON-WISE, THICKNESS-WISE AND ASH-WISE NET PROVED RESERVES
(SEAM : XIII, IN-BAND, VIRGIN.)

: 81 :

TABLE: NO. IV/R/D-10 (I)

(Reserves in 1000 tonnes)

SECTOR	Horizon R.L.'s (m.)	Area (sq.m.)	Ash Range (%)	THICKNESS RANGE (m.)										T O T A L
				0.5 - 0.9	0.9 - 1.2	1.2 - 2.00	2.00 - 4.00	4.00 - 6.00	6	7	6.00	10	11	
1	2	3	4	5	6	7	8	9						
A														
± 0 to -100		305,280	21 - 24	-	-	-	-	22	-	-	-	-	22	
			24 - 28	-	-	-	202	1,382	-	-	-	-	1,663	
			28 - 35	-	-	-	11	109	-	-	-	-	120	
HORIZON TOTAL				-	-	-	293	1,512	-	-	-	-	1,805	
-100 to -200		266,080	21 - 24	-	-	-	88	487	-	-	-	-	575	
			24 - 28	-	-	-	231	479	-	-	-	-	710	
			28 - 35	-	-	-	50	114	-	-	-	-	172	
HORIZON TOTAL				-	-	-	377	1,080	-	-	-	-	1,457	
			TOTAL	21 - 24	-	-	88	509	-	-	-	-	597	
			ASH-WISE	24 - 28	-	-	513	1,860	-	-	-	-	2,373	
				28 - 35	-	-	69	223	-	-	-	-	292	
TOTAL FOR SECTOR		571,360		-	-	-	670	2,592	-	-	-	-	3,262	
B														
± 0 to -100		18,400	24 - 28	-	-	-	-	-	-	-	-	-	81	
			28 - 35	-	-	-	18	10	-	-	-	-	28	
HORIZON TOTAL				-	-	-	10	91	-	-	-	-	109	

Contd....

Seam: XIII, In-band, Virgin, Contd.../-

: 82

SECTOR	Horizon	Area	Ash Range	(%)	THICKNESS	RANGE (m)	TOTAL			
	R.L.'s (m)	(Sq.m.)			00.5-0.9	1.2-2.0	2.00-4.00	4.00-6.00	6.00-76.00	TOTAL
B	-100 to -200	396,800	21 - 24	-	-	-	131	-	-	131
			24 - 28	-	-	3	-	980	-	983
			28 - 35	-	-	-	352	954	-	1306
			735	-	-	-	77	20	-	97
	HORIZON TOTAL		TOTAL	-	-	3	560	1954	-	2,517
	-200 to -300	171,360	21 - 24	2	16	91	279	-	-	388
			24 - 28	1	7	78	7	-	-	93
			28 - 35	-	-	7	59	-	-	66
	HORIZON TOTAL		TOTAL	3	23	176	345	-	-	547
B	-300 to -400	28,320	24 - 28	-	-	-	82	-	-	82
			28 - 35	-	-	-	53	-	-	53
	HORIZON TOTAL		TOTAL	-	-	-	135	-	-	135
			21 - 24	2	16	91	410	-	-	519
			24 - 28	1	7	81	89	1061	-	1,239
			28 - 35	-	-	7	482	964	-	1452
			735	-	-	-	77	20	-	97
	TOTAL FOR SECTOR	614,880	TOTAL	3	23	179	1,058	2045	-	3,308
C	-100 to -200	2,880	735	-	-	-	14	-	-	14
	HORIZON TOTAL		TOTAL	-	-	-	14	-	-	14

Seam: XIII, In-band, Virgin, Contd.../-

: 83 :

1	2	3	4	5	6	7	8	9	10	11
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-200 to -300	136,960	21 - 24	1	3	3	26	30	55	111	7
		24 - 28	-	-	-	-	158	550	-	708
		28 - 35	-	-	-	-	3	-	-	3
		735	-	-	-	-	-	-	-	-

HORIZON TOTAL	TOTAL	1	3	29	191	605	-	829
-300 to -400	185,280	21 - 24	14	15	24	116	-	38
		24 - 28	2	-	46	482	-	179
		28 - 35	-	-	-	20	-	502

HORIZON TOTAL	TOTAL	16	15	70	598	20	-	719
TOTAL	21 - 24	15	3	27	-	-	-	45
ASH-WISE	24 - 28	2	15	72	146	55	-	290
	28 - 35	-	-	-	640	570	-	1210
	735	-	-	-	17	-	-	17

TOTAL FOR SECTOR:	325,120	TOTAL	17	18	99	803	625	-	1,562
D -200 to -300	17,920	28 - 35	-	-	-	-	113	-	113
		735	-	-	-	-	4	-	4

HORIZON TOTAL	TOTAL:	-	-	-	-	-	117	-	117
-300 to -400	99,360	28 - 35	-	-	-	233	306	-	619

HORIZON TOTAL:	TOTAL:	-	-	-	233	386	-	619
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Seam: XIII, In-band, Virgin, Contd.../-

: 84 :

1	2	3	4	5	6	7	8	9	10	11
D	-400 to -500	111,680	24 - 28	8	7	28	41	-	-	04
			28 - 35	-	-	-	387	8	-	395
HORIZON TOTAL		TOTAL	8	7	28	428	8	-	-	479
TOTAL		24 - 20	8	7	20	41	-	-	-	84
ASH-WISE		20 - 35	-	-	-	620	507	-	-	1,127
		735	-	-	-	-	4	-	-	4
TOTAL FOR SECTOR		228,960	TOTAL:	8	7	28	661	511	-	1,215
E		±0 & above	21 - 24	-	-	-	25	49	-	74
			24 - 28	35	49	101	164	56	-	405
			28 - 35	4	-	-	-	25	-	29
			735	-	1	-	-	-	-	1
TOTAL FOR SECTOR:		171,680	TOTAL	39	50	101	189	130	-	509
F		±0 & above	21 - 24	-	-	-	131	-	-	131
			24 - 28	4	9	16	61	-	-	90
			28 - 35	-	-	-	19	125	-	144
HORIZON TOTAL:		81,920	TOTAL	4	9	16	211	125	-	365
±0 to -100		322,240	21 - 24	-	-	30	616	-	-	646
			24 - 28	7	10	5	449	-	-	471
			28 - 35	-	-	-	231	-	-	231
HORIZON TOTAL			TOTAL:	7	10	35	1,296	-	-	1,348

	1	2	3	4	5	6	7	8	9	10	11
F	-100 to -200	73,440	21 - 24	-	-	-	-	40	-	-	40
			24 - 28	-	-	-	-	309	-	-	309
			28 - 35	-	-	-	-	6	-	-	6
HORIZON TOTAL			TOTAL:	-	-	-	-	355	-	-	355
TOTAL FOR SECTOR:			477,600	TOTAL:	11	19	51	1,862	125	-	2,068
G	-100 to -200	72,000	21 - 24	-	-	-	-	157	-	-	157
			24 - 28	-	-	-	-	154	-	-	154
HORIZON TOTAL								311			311
	-200 to -300	46,080	24 - 28	-	-	-	-	144	-	-	144
			28 - 35	-	-	-	-	78	4	-	82
HORIZON TOTAL:			TOTAL:	-	-	-	-	222	4	-	226
TOTAL FOR SECTOR:			118,080	TOTAL:	-	-	-	533	4	-	537
E	±0 & above		21 - 24	-	-	-	-	79	-	-	79
			24 - 28	-	-	-	4	461	-	-	465
			28 - 35	10	12	39	38	99	-	-	99
TOTAL FOR SECTOR:			195,200	TOTAL:	10	12	43	578	-	-	643

BARRIER ZONE, VIRGIN

1	2	3	4	5	6	7	8	9	10	11
A	±0 & above	5,440	21 - 24	-	-	-	-	32	-	32
HORIZON TOTAL:			TOTAL :	-	-	-	-	32	-	32
±0 to -100		38,720	21 - 24	-	-	-	-	12	-	12
			24 - 28	-	-	-	17	72	-	89
			28 - 35	-	-	-	37	82	-	119
			735	-	-	-	2	-	-	2
HORIZON TOTAL:			TOTAL :	-	-	-	56	166	-	222
A			21 - 24	-	-	-	-	44	-	44
			24 - 28	-	-	-	17	72	-	89
			28 - 35	-	-	-	37	82	-	119
			735	-	-	-	2	-	-	2
TOTAL FOR SECTOR:		44,160	TOTAL :	-	-	-	56	198	-	254
B	±0 to -100	3,840	28 - 35	-	-	-	6	-	-	6
			735	-	-	-	13	-	-	13
HORIZON TOTAL:			TOTAL :	-	-	-	19	-	-	19
B	-100 to -200	2,880	735	-	-	-	14	-	-	14
HORIZON TOTAL :			TOTAL :	-	-	-	14	-	-	14

Seam: XIII, In-band, Developed, Contd.../-

: 67 :

1	2	3	4	5	6	7	8	9	10	11
E	±0 & above									
		21 - 24	-	-	-	-	17	12	-	29
		24 - 28	-	-	-	38	27	15	-	80
		28 - 35	-	-	-	-	-	8	-	8
TOTAL FOR SECTOR:		41,600	TOTAL :	-	-	38	44	35	-	117

Seam: XIII, In-band, Virgin, Contd.../-

: 88 :

1	2	3	4	5	6	7	8	9	10	11
			28 - 35	-	-	-	6	-	-	6
			735	-	-	-	27	-	-	27
TOTAL FOR SECTOR:			6,720	TOTAL :	-	-	33	-	-	33
E	±0 & above		21 - 24	2	2	2	-	-	-	6
			24 - 28	11	23	-	-	-	-	34
			28 - 35	-	-	-	20	-	-	20
TOTAL FOR SECTOR			54,400	TOTAL :	13	25	20	-	-	60
F	±0 & above		28 - 35	-	-	-	-	40	-	40
HORIZON TOTAL			TOTAL :	-	-	-	-	40	-	40
F	±0 to -100		47,040	24 - 28	-	-	191	-	-	191
			28 - 35	-	-	-	22	6	-	28
HORIZON TOTAL			TOTAL :	-	-	-	213	6	-	219
			24 - 28	-	-	-	191	-	-	191
			28 - 35	-	-	-	22	46	-	68
TOTAL FOR SECTOR:			53,440	TOTAL :	-	-	213	46	-	259

Table: NO. 1A/R/D-10 (E).

STATEMENT SHOWING SECTOR-WISE HORIZON WISE, THICKNESS-WISE, ASH-WISE AND V.M.U. WISE NET PROVED RESERVES
(SEAM: XIII, EX-BAND, VIRGIN)

(Reserves in '000 tonnes)

SECTOR	Horizon R.L.'s (m)	Area (sq.m.)	V.M.Range (%)	Ash Range (%)	THICKNESS RANGE (m)							TOTAL	
					0.5-0.9	0.9-1.2	1.2-2.00	2.00-4.00	4.00-6.00	7.6.00			
A	+ 0 to -100	305280	22 - 25	18 - 21	-	-	-	-	328	83	-	411	
				21 - 24	-	-	-	-	669	4	-	673	
				24 - 28	-	-	-	-	241	169	-	410	
				7 35	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	
	HORIZON TOTAL												
					-	-	-	-	1238	256	-	1494	
	-100 to -200	266080	22 - 25	18 - 21	-	-	-	-	762	63	-	825	
				21 - 24	-	-	-	-	183	60	-	243	
				24 - 28	-	-	-	-	121	107	-	228	
					-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	
	HORIZON TOTAL												
					-	-	-	-	1066	230	-	1296	
				TOTAL ASH-WISE	18 - 21	-	-	-	1090	146	-	1236	
					21 - 24	-	-	-	852	64	-	916	
					24 - 28	-	-	-	362	276	-	638	
						-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-
TOTAL FOR SECTOR					-	-	-	-	2304	486	-	2790	

Seam: XIII, Ex-band, Virgin, Contd....

1	2	3	4	5	6	7	8	9	10	11	12
B	+ 0 to -100	18400	22 - 25	24 - 28	-	-	-	43	50	-	93
HORIZON TOTAL											
					-	-	-	43	50	-	93
	-100 to -200	396800	22 - 25	18 - 21	-	-	-	64	-	-	64
				21 - 24	-	-	12	408	65	-	485
				24 - 28	-	-	-	452	629	-	1081
				28 - 35	-	-	-	72	-	-	72
TOTAL											
					-	-	12	996	694	-	1702
	25 - 30			21 - 24	-	-	2	136	-	-	136
TOTAL											
					-	-	2	136	-	-	138
TOTAL ASH-WISE											
				18 - 21	-	-	-	64	-	-	64
				21 - 24	-	-	14	544	65	-	623
				24 - 28	-	-	-	452	629	-	1081
				28 - 35	-	-	-	72	-	-	72
HORIZON TOTAL											
					-	-	14	1132	694	-	1840

Seam: XIII, Ex-band, Virgin, Contd....

	1	2	3	4	5	6	7	8	9	10	11	12
B												
-200 to -300			171360	22 - 25	18 - 21	-	6	44	223			273
					21 - 24	4	13	55	50			122
					24 - 28	-	-	32	103	-	-	135
HORIZON TOTAL						4	19	131	376	-	-	530
-300 to -400			28320	22 - 25	24 - 28	-	-	-	144	-	-	114
					28 - 35	-	-	-	3	-	-	3
HORIZON TOTAL						-	-	-	117	-	-	117
TOTAL ASH-WISE					18 - 21	-	6	44	287	-	-	337
					21 - 24	4	13	69	637	65	-	745
					24 - 28	-	-	32	669	679	-	1423
					28 - 35	-	-	-	75	-	-	75
TOTAL FOR SECTOR			614880			4	19	145	1668	744	-	2580

Seam: XIII, Ex-band, Virgin, Contd....

	1	2	3	4	5	6	7	8	9	10	11	12
C		-100 to -200	2880	25 - 30	18 - 21	-	-	3	4	-	-	7
HORIZON TOTAL												
		-200 to -300	135680	22 - 25	18 - 21	-	-	-	26	-	-	-
					21 - 24	1	4	24	176	-	-	-
					24 - 28	-	-	-	65	-	-	-
TOTAL						1	4	24	267	-	-	-
25 - 30												
		15 - 18				-	-	2	-	-	-	2
		18 - 21				-	-	11	198	-	-	209
		21 - 24				-	-	-	1	-	-	-1
TOTAL												
						-	-	13	199	-	-	-212
TOTAL ASH-WISE												
		15 - 18				-	-	2	-	-	-	2
		18 - 21				-	-	11	224	-	-	235
		21 - 24				1	4	24	177	-	-	206
		24 - 28				-	-	-	65	-	-	65
HORIZON TOTAL												
						1	4	37	466	-	-	508

Seam: XIII, Ex-band, Virgin, Contd....

93

	1	2	3	4	5	6	7	8	9	10	11	12
-300 to -400			185280	22 - 25	18 - 21 21 - 24	- 25	- 19	- 79	173 176	- -	- -	179 299
TOTAL					25	19	79	349	-	-	-	472
25 - 30					18 - 21	-	-	-	16	-	-	16
TOTAL					-	-	-	16	-	-	-	16
TOTAL ASH-WISE					18 + 21 21 - 24	- 25	- 19	- 79	189 176	+ -	+ -	189 299
HORIZON TOTAL					25	19	79	365	-	-	-	488
					15 - 18 18 - 21 21 - 24 24 - 28	- - 26 -	- - 23 -	2 14 103 -	- 417 353 65	- - - -	- - - -	2 431 505 65
TOTAL FOR SECTOR			323870		26	23	119	835	-	-	-	1003

1	2	3	4	5	6	7	8	9	10	11	12
D	-200 to -300	17920	25 - 30	15 - 18	-	-	10	-	-	-	10
				18 - 21	-	-	24	5	-	-	29
<u>HORIZON TOTAL :</u>											
	-300 to -400	99360	22 - 25	18 - 21	-	-	-	109	-	-	109
				21 - 24	-	-	1	4	-	-	5
				TOTAL :	-	-	1	113	-	-	114
	25 - 30			18 - 21	-	-	78	93	-	-	171
				TOTAL :	-	-	78	93	-	-	171
			TOTAL	18 - 21	-	-	78	202	-	-	280
			ASH-WISE	21 - 24	-	-	1	4	-	-	5
<u>HORIZON TOTAL :</u>											
	-400 to -500	111680	22 - 25	18 - 21	-	-	-	227	-	-	227
				21 - 24	7	9	35	29	-	-	80
				TOTAL :	7	9	35	256	-	-	307
	25 - 30			18 - 21	-	-	3	4	-	-	7
				TOTAL :	-	-	3	4	-	-	7

Seam: XIII, Ex-band, Virgin, Contd.../-

: 97 :

1	2	3	4	5	6	7	8	9	10	11	12	
± to -100				311520	22 - 25	18 - 21	6	10	20	87	-	123
						21 - 24	-	1	13	463	-	477
						24 - 28	-	-	-	287	-	287
						28 - 35	-	-	-	4	-	4
TOTAL :				6	11	33	841	-	-	-	891	
25 - 30				21 - 24	-	-	-	23	-	-	23	
TOTAL :				-	-	-	23	-	-	-	23	
TOTAL				18 - 21	6	10	20	87	-	-	123	
ASH-WISE				21 - 24	-	1	13	486	-	-	500	
				24 - 28	-	-	-	287	-	-	287	
				28 - 35	-	-	-	4	-	-	4	
HORIZON TOTAL :				6	11	33	864	-	-	-	914	
-100 to -200				66400	22 - 25	21 - 24	-	-	-	163	-	163
						24 - 28	-	-	-	108	-	108
HORIZON TOTAL :				-	-	-	-	271	-	-	271	

Seam: XIII, Ex-band, Virgin, Contd.../-

	1	2	3	4	5	6	7	8	9	10	11	12
TOTAL FOR SECTOR - 'F'			459840			11	16.	68	1311	-	-	1406
G		-100 to -200	76800	22-25	21-24 24-28	- -	- -	- -	145 172	- -	- -	145 172
HORIZON TOTAL :						-	-	-	317	-	-	317
		-200 to -300	44480	22-25	24-28	-	-	-	180	6	-	186
HORIZON TOTAL :						-	-	-	180	6	-	186
TOTAL FOR SECTOR-'G'			121280			-	-	-	497	6	-	503
H		+0 to -100	27040	22-25	21-24 24-28	- -	- -	- -	123 5	- -	- -	123 5
HORIZON TOTAL :						-	-	-	128	-	-	128

Seam: XIII, Ex-band, Virgin, Contd.../-

	1	2	3	4	5	6	7	8	9	10	11	12
-100 to -200		121920		22 - 25	21 - 24	-	-	-	416	-	-	416
					24 - 28	-	-	-	167	-	-	167
HORIZON TOTAL :						-	-	-	583	-	-	583
-200 to -300		89120		22 - 25	21 - 24	-	-	-	11	-	-	11
					24 - 28	-	-	-	421	-	-	421
HORIZON TOTAL :						-	-	-	432	-	-	432
-300 to -400		83360		22 - 25	21 - 24	-	-	6	98	-	-	104
					24 - 28	-	-	-	127	-	-	127
					TOTAL :	-	-	6	225	-	-	231
				25 - 30	18 - 21	-	-	35	-	-	-	35
					21 - 24	-	-	41	21	-	-	62
					TOTAL :	-	-	76	21	-	-	97
				TOTAL	18 - 21	-	-	35	-	-	-	35
				ASH-WISE	21 - 24	-	-	47	119	-	-	166
					24 - 28	-	-	-	127	-	-	127
HORIZON TOTAL :						-	-	82	246	-	-	328

Seam: XIII, Ex-band, Virgin, Contd.../-

: 100 :

1	2	3	4	5	6	7	8	9	10	11	12
-400 to -500	116480	25 - 30	15 - 18	-	-	-	194	-	-	-	194
			18 - 21	-	-	-	96	-	-	-	96
HORIZON TOTAL :			-	-	-	-	290	-	-	-	290
-500 to -600	101920	25 - 30	15 - 18	-	-	-	252	-	-	-	252
HORIZON TOTAL :			-	-	-	-	252	-	-	-	252
-600 to -700	3200	25 - 30	15 - 18	-	-	-	8	-	-	-	8
HORIZON TOTAL :			-	-	-	-	8	-	-	-	8
TOTAL											
ASH-WISE											
			15 - 18	-	-	-	454	-	-	-	454
			18 - 21	-	-	-	131	-	-	-	131
			21 - 24	-	-	-	47	669	-	-	716
			24 - 28	-	-	-	-	720	-	-	720
TOTAL FOR SECTOR :	543040		-	-	-	-	632	1389	-	-	2021
E D & above	195200	22 - 25	18 - 21	13	-	4	2	-	-	-	19
			21 - 24	-	-	4	51	83	-	-	138
			24 - 28	-	-	-	-	214	-	-	214
			28 - 35	-	-	-	-	13	-	-	13
TOTAL :			13	8	53	310	-	-	-	-	384

Seam : XIII, Ex-band, Developed, Contd.../-

: 101 :

	1	2	3	4	5	6	7	8	9	10	11	12
25 - 30												
21 - 24									35			35
24 - 28									71			71
28 - 35									91			91
TOTAL :	-	-	-	-	-	-	-	-	197	-	-	197
TOTAL	18 - 21	13	4	2	-	-	-	-	-	-	-	19
ASH-WISE	21 - 24	-	4	51	118	-	-	-	-	-	-	173
	24 - 28	-	-	-	285	-	-	-	-	-	-	285
	28 - 35	-	-	-	104	-	-	-	-	-	-	104
TOTAL FOR SECTOR :	13	8	53	507	-	-	-	-	-	-	-	581

SEAM : XIII, EX-BAND, VIRGIN, BARRIER ZONE

: 102 :

	1	2	3	4	5	6	7	8	9	10	11	12
A												
± & above			5440	22 - 25	18 - 21	-	-	-	6	-	-	6
					21 - 24	-	-	-	16	-	-	16
TOTAL :					-	-	-	-	22	-	-	22
±0 to -100			45120	22 - 25	18 - 21	-	-	-	43	-	-	43
					21 - 24	-	-	-	94	-	-	94
					24 - 28	-	-	-	46	-	-	96
TOTAL :					-	-	-	-	183	-	-	183
					18 - 21	-	-	-	49	-	-	49
					21 - 24	-	-	-	110	-	-	110
					24 - 28	-	-	-	46	-	-	46
TOTAL FOR SECTOR			50560		-	-	-	-	205	-	-	205
B												
±0 to -100			3840	22 - 25	24 - 28	-	-	-	16	-	-	16
HORIZON TOTAL :					-	-	-	-	16	-	-	16
B												
-100 to -200			2880	22 - 25	21 - 24	-	-	1	-	-	-	1
					24 - 28	-	-	2	5	-	-	7
HORIZON TOTAL :					-	-	-	3	5	-	-	8

: 103 :

	1	2	3	4	5	6	7	8	9	10	11	12
TOTAL FOR SECTOR :			6720			-	-	3	21	-	-	24
E +0 & above			32000	22 - 25	18 - 21	5	3	2	-	-	-	10
					21 - 24	-	-	14	13	-	-	27
					24 - 28	-	-	-	6	-	-	6
TOTAL :					5	5	3	16	19	-	-	43
25 - 30					21 - 24	2	5	15	-	-	-	22
TOTAL :					2	5	5	15	-	-	-	22
TOTAL					18 - 21	5	3	2	-	-	-	10
ASH-WISE					21 - 24	2	5	29	13	-	-	49
					24 - 28	-	-	-	6	-	-	6
HORIZON TOTAL :					7	8	31	19	-	-	-	65

SEAM: XIII, EX-BAND, VIRGIN, BARRIER ZONE (DEVELOPED)

1	2	3	4	5	6	7	8	9	10	11	12
E	+0 & above	41600	22 - 25	21 - 24	-	-	-	6	-	-	6
				24 - 28	-	2	8	30	-	-	40
				TOTAL :	-	2	8	36	-	-	46
			25 - 30	21 - 24	1	2	8	16	17	-	44
				24 - 28	-	-	2	15	-	-	17
				TOTAL :	1	2	10	31	17	-	61
			TOTAL	21 - 24	1	2	8	22	17	-	50
			ASH-WISE	24 - 28	-	2	10	45	-	-	57
				TOTAL :	1	4	18	67	17	-	107
TOTAL FOR SECTOR :											
F	+0 & above	6400	22 - 25	24 - 28	-	-	-	3	-	-	3
				28 - 35	-	-	-	20	-	-	20
				TOTAL	-	-	-	23	-	-	23
	+0 to -100	47040	22 - 25	21 - 24	-	-	29	57	-	-	86
				24 - 26	-	-	-	50	-	-	50
				28 - 35	-	-	-	2	-	-	2
				TOTAL :	-	-	29	109	-	-	138

	1	2	3	4	5	6	7	8	9	10	11	12
TOTAL						-	-	29	132	-	-	161
ASH-WISE						-	-	-	22	-	-	22
TOTAL						-	-	29	57	-	-	86
ASH-WISE						-	-	-	53	-	-	53
ASH-WISE						-	-	-	22	-	-	22

MADHUBAND UNDERGROUND BLOCK, JHARIA COALFIELD, DIST: DHANBAD, BIHAR.
STATEMENT SHOWING SECTOR-WISE, HORIZON -WISE, THICKNESS-WISE AND ASH-WISE NET PROVED RESERVES
SEAM: XIV & XIV/XV, IN-BAND, VIRGIN.

TABLE: SECTOR	Horizon R.L.'s(m.)	Area (Sq. m.)	Ash Range (%)	THICKNESS RANGE (m.)							(Reserves in '000 tonnes)	
				0.5 - 0.9	0.9 - 1.2	1.2 - 2.00	2.00 - 4.00	4.00 - 6.00	6.00 - 10	10 - 11	TOTAL	
1	2	3	4	5	6	7	8	9	10	11		
A	± 0 & above	215360	18 - 21	-	-	146	-	-	-	-	146	
			21 - 24	14	12	125	-	-	-	-	151	
			24 - 28	3	5	55	-	-	-	-	63	
			28 - 35	-	1	-	-	-	-	-	1	
	HORIZON TOTAL			17	18	326	-	-	-	-	361	
	± 0 to -100	459,840	15 - 18	-	-	66	-	-	-	-	66	
			18 - 21	2	9	551	-	-	-	-	562	
			21 - 24	31	15	106	-	-	-	-	152	
			24 - 28	8	34	16	-	-	-	-	58	
			28 - 35	-	3	-	-	-	-	-	3	
HORIZON TOTAL				41	61	739	-	-	-	-	841	
	-100 to -200	10,240	15 - 18	-	-	6	-	-	-	-	6	
			18 - 21	-	-	10	-	-	-	-	10	
			21 - 24	-	-	7	-	-	-	-	7	
HORIZON TOTAL				-	-	23	-	-	-	-	23	

Contd.....

SEAM: XIV/XIV/XV, In-band, Virgin. Contd.....

1	2	3	4	5	6	7	8	9	10	11
		TOTAL	15 - 18	-	-	72	-	-	-	72
		ASH-WISE	18 - 21	2	9	707	-	-	-	718
			21 - 24	45	27	238	-	-	-	310
			24 - 28	11	39	71	-	-	-	121
			28 - 35	-	4	-	-	-	-	4
	TOTAL FOR SECTOR	685,440		58	79	1088	-	-	-	1225
B	± 0 to -100	206,400	21 - 24	15	28	68	-	-	-	111
			24 - 28	26	44	123	-	-	-	193
			28 - 35	15	12	14	-	-	-	41
	HORIZON TOTAL			56	84	205	-	-	-	345
	-100 to -200	304,800	18 - 21	-	4	263	-	-	-	267
			21 - 24	20	30	296	10	-	-	356
			24 - 28	-	2	25	23	-	-	50
	HORIZON TOTAL			20	36	584	33	-	-	673
	-200 to -300	80,640	18 - 21	-	-	83	-	-	-	83
	HORIZON TOTAL		21 - 24	-	-	174	-	-	-	174
	-300 to -400	3,040	18 - 21	-	-	3	-	-	-	2
			21 - 24	-	-	3	-	-	-	3
	HORIZON TOTAL			-	-	5	-	-	-	5

Contd.....

SEAM: XIV & XIV/XV, In-band; Virgin. Contd....

1	2	3	4	5	6	7	8	9	10	11
B	-400 to -500	85,920	21 - 24 24 - 28	- -	10 22	18 99	- -	- -	- -	28 121
HORIZON TOTAL										
				-	32	117	-	-	-	149
TOTAL										
			18 - 21	-	4	348	-	-	-	352
ASH-WISE										
			21 - 24	35	68	476	10	-	-	589
			24 - 28	26	68	247	23	-	-	364
			28 - 35	15	12	14	-	-	-	41
TOTAL FOR SECTOR 680,800										
C	-100 to -200	58,560	18 - 21 21 - 24 24 - 28 28 - 35	76 - - -	152 - - -	1085 1 1 8 4	33 - 35 133 -	- - - -	- - - -	1,345 1 36 141 4
HORIZON TOTAL										
				-	-	14	168	-	-	182
-200 to -300 346,400										
			18 - 21	2	15	116	234	-	-	367
			21 - 24	18	18	165	95	-	-	296
			24 - 28	-	3	143	26	-	-	142
HORIZON TOTAL										
				20	36	394	355	-	-	805

Contd....

SEAM: XIV & XIV/XV, In-band, Virgin. Contd.....

1	2	3	4	5	6	7	8	9	10	11
C	-300 to -400	154,560	18 - 21	-	-	17	13	-	-	30
			21 - 24	-	-	187	-	-	-	187
			24 - 28	-	-	124	-	-	-	124
HORIZON TOTAL										
				-	-	328	13	-	-	341
-400 to -500 35,520										
			21 - 24	-	-	15	-	-	-	15
			24 - 28	-	-	18	-	-	-	48
HORIZON TOTAL										
				-	-	45	-	-	-	63
-500 to -600 32,000										
			21 - 24	-	-	13	-	-	-	13
			24 - 28	-	-	2	-	-	-	42
HORIZON TOTAL										
				-	-	15	-	-	-	55
TOTAL										
			18 - 21	2	15	134	247	-	-	398
			21 - 24	18	31	368	130	-	-	547
			24 - 28	-	23	315	159	-	-	497
			28 - 35	-	-	4	-	-	-	4
TOTAL FOR SECTOR 627,040										
				20	69	821	536	-	-	1,445
D	-100 to -200	1,600	24 - 28	-	-	-	5	-	-	5
HORIZON TOTAL										
				-	-	-	5	-	-	5

Contd....

SEAM: XIV & XV/XV; In-band, Virgin. Contd.....

: 110 :

1	2	3	4	5	6	7	8	9	10	11
D	-200 to -300	55,840	18 - 21	-	-	-	11	-	-	11
			21 - 24	-	-	5	71	-	-	76
			24 - 28	1	4	25	39	-	-	69
	HORIZON TOTAL			1	4	30	121	-	-	156
	-300 to -400	210,560	18 - 21	-	-	37	448	-	-	485
			21 - 24	6	16	52	49	-	-	123
			24 - 28	3	2	-	-	-	-	5
	HORIZON TOTAL			9	18	89	497	-	-	613
	-400 to -500	120,800	118-21	-	-	35	102	-	-	137
			21 - 24	-	-	67	-	-	-	67
			24 - 28	-	-	100	-	-	-	100
	HORIZON TOTAL			-	-	202	102	-	-	304
	-500 to -600	8,960	21 - 24	-	-	9	-	-	-	9
			24 - 28	-	-	11	-	-	-	11
	HORIZON TOTAL			-	-	20	-	-	-	20
	TOTAL		18 - 21	-	-	72	561	-	-	633
	ASH-WISE		21 - 24	6	16	133	120	-	-	275
			24 - 28	4	6	136	44	-	-	190
	TOTAL FOR SECTOR	397,760		10	22	341	725	-	-	1,098

Contd.....

SEAM: XIV & XIV/XV; In-band, Virgin, Contd.....

	1	2	3	4	5	6	7	8	9	10	11
G		±0 to -100	97,280	15 - 18 18 - 21 21 - 24 24 - 28 28 - 35	- - - - -	1 12 35 42 24	1 20 11 3 2	- 2 14 - -	- - - - -	- - - - -	2 34 60 45 26
HORIZON TOTAL											
					-	114	37	16	-	-	167
-100 to -200 356,640											
				18 - 21 21 - 24 24 - 28	95 160 10	85 17 3	- - -	- - -	- - -	- - -	180 177 13
HORIZON TOTAL											
					265	105	-	-	-	-	370
TOTAL											
				15 - 18 18 - 21 21 - 24 24 - 28 28 - 35	- 95 160 10 -	1 97 52 45 24	1 20 11 3 2	- 2 14 - -	- - - - -	- - - - -	2 214 237 58 26
TOTAL FOR SECTOR											
					265	219	37	16	-	-	537

Contd.....

SEAM: XIV & XIV/XV; In-band, Virgin. Contd....

1	2	3	4	5	6	7	8	9	10	11
F	± 0 & above	352,480	15 - 18	38	41	7	-	-	-	86
			18 - 21	6	22	18	18	-	-	64
			21 - 24	6	34	5	63	-	-	103
			24 - 28	8	48	13	86	89	-	244
			28 - 35	13	67	37	9	182	7	315
			7 35	-	1	9	-	-	-	10
HORIZON TOTAL										
				71	213	89	176	271	7	827
	± 0 to -100	103,200	15 - 18	27	23	19	-	-	-	3
			18 - 21	-	6	7	16	-	-	29
			21 - 24	-	3	4	26	-	-	33
			24 - 28	-	-	4	21	-	-	25
			28 - 35	-	13	11	-	-	-	24
			7 35	-	-	12	-	-	-	12
HORIZON TOTAL										
				27	45	57	63	-	-	192
TOTAL										
			15 - 18	65	64	26	-	-	-	155
ASH-WISE										
			18 - 21	6	28	25	34	-	-	93
			21 - 24	6	37	9	89	-	-	141
			24 - 28	8	48	17	107	89	-	269
			28 - 35	13	80	48	9	182	7	339
			7 35	-	1	21	-	-	-	22
TOTAL FOR SECTOR										
				98	258	146	239	271	7	1,019

Contd....

SEAM: XIV& XIV/XV; In-band, Virgin. Contd....

1	2	3	4	5	6	7	8	9	10	11
E	to & above		24 - 28	13	8	7	21	-	-	49
			28 - 35	18	69	19	-	-	-	106
TOTAL FOR SECTOR				31	77	26	21	-	-	155
H	± 0 & above	4,000	15 - 18	-	-	-	16	-	-	16
HORIZON TOTAL				-	-	-	16	-	-	16
	± 0 to -100	120,480	15 - 18	-	-	-	226	9	-	226
			18 - 21	-	-	-	51	-	-	51
			21 - 24	-	-	-	45	-	-	45
			24 - 28	-	2	8	40	16	-	66
			28 - 35	-	2	9	55	49	-	115
			7 35	-	-	7	-	-	-	7
HORIZON TOTAL				-	4	24	417	65	-	510
	-100 to -200	68,480	15 - 18	-	-	-	25	9	-	34
			18 - 21	-	-	-	15	19	-	34
			21 - 24	-	-	-	2	18	-	20
			24 - 28	-	2	2	-	9	-	13
			28 - 35	21	13	23	22	-	-	79
HORIZON TOTAL				21	15	25	64	55	-	180

Contd....

SEAM: XIV & XIV/XV; In-band, Virgin, Contd....

1	2	3	4	5	6	7	8	9	10	11
H	-200 to -300	1,920	28 - 35	2	-	-	-	-	-	2
HORIZON TOTAL										
				2	-	-	-	-	-	2
	-300 to -400	29,600	24 - 28	1	5	49	3	-	-	58
			28 - 35	1	2	-	-	-	-	3
HORIZON TOTAL										
				2	7	49	3	-	-	61
	-400 to -500	27,200	24 - 28	9	13	21	-	-	-	43
HORIZON TOTAL										
				9	13	21	-	-	-	43
TOTAL										
	15 - 18	-	-	-	-	-	267	9	-	276
ASH-WISE										
	18 - 21	-	-	-	-	-	66	19	-	85
	21 - 24	-	-	-	-	-	47	18	-	65
	24 - 28	10	22	80	43	25	180	49	-	199
	28 - 35	24	17	32	77	-	-	-	-	7
	7 35	-	-	-	-	-	-	-	-	-
TOTAL FOR SECTOR										
		259,680		34	39	119	500	120	-	812

SEAM: XIV & XIV/XV, IN-BAND, DEVELOPED

1	2	3	4	5	6	7	8	9	10	11
E	+ 0 & above		28 - 35	-	18	7	-	-	-	25
TOTAL FOR SECTOR										
		20,480		-	18	7	-	-	-	25

Contd....

SE AM: XIV & XIV/XV, IN-BAND, BARRIER ZONE (RAILWAY LINE)

1	2	3	4	5	6	7	8	9	10	11
A	± 0 & above	TOTAL	18 - 21	-	-	33	-	-	-	33
	ASH-WISE	21 - 24	10	5	43	-	-	-	-	58
		24 - 28	16	-	-	-	-	-	-	16
		28 - 35 _y	1	-	-	-	-	-	-	1
TOTAL FOR SECTOR		71,200	27	5	76	-	-	-	-	108
E	± 0 & above	TOTAL	18 - 21	-	2	3	3	-	-	8
	ASH-WISE	21 - 24	-	6	3	8	-	-	-	17
		24 - 28	-	1	-	3	-	-	-	4
TOTAL FOR SECTOR		13,120	-	9	6	14	-	-	-	29
F	± 0 & above	TOTAL	18 - 21	-	-	5	-	-	-	5
	ASH-WISE	21 - 24	-	-	5	37	-	-	-	42
		24 - 28	-	-	9	20	-	-	-	29
		28 - 35	14	2	11	-	-	-	-	27
		- / 35	2	9	3	-	-	-	-	14
TOTAL FOR SECTOR		51,520	16	11	33	57	-	-	-	117

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STATEMENT SHOWING -- WISE, HORIZON -- WISE, THICKNESS -- WISE V.I.I. -- WISE AND ASH -- WISE NET PROVED RESERVES
 MADHUB AND UNDERGROUND BLOCK, JHARIA COALFIELD, DIST: DHANBAD, BIHAR.
 (SEAM: XIV & XIV/XV, EX-BAND, VIRGIN.)

TABLE: No. TA/R/5-11 (E)

SECTOR	Horizon R.L.'s (m.)	Area (Sq. M.)	V. M. Range (%)	Ash Range (%)	THICKNESS RANGE (m.)												TOTAL
					0.5 - 0.9	0.9 - 1.2	1.2 - 2.00	2.00 - 4.00	4.00 - 6.00	6.00 - 10	10 - 11	11 - 12					
1	2	3	4	5	6	7	8	9									12
A	± 0 & above	211,840	22 - 25	18 - 21	-	-	167	-	-	-	-	-	-	-	-	-	167
				21 - 24	13	75	82	-	-	-	-	-	-	-	-	-	170
				24 - 28	2	2	-	-	-	-	-	-	-	-	-	-	4
	HORIZON TOTAL				15	77	249	-	-	-	-	-	-	-	-	-	341
	± 0 to -100	455,520	22 - 25	15 - 18	-	-	76	-	-	-	-	-	-	-	-	-	76
				18 - 21	2	9	521	-	-	-	-	-	-	-	-	-	532
				21 - 24	36	35	61	-	-	-	-	-	-	-	-	-	132
				24 - 28	3	21	3	-	-	-	-	-	-	-	-	-	27
	HORIZON TOTAL				41	65	661	-	-	-	-	-	-	-	-	-	767
	-100 to -200	10,080	22 - 25	15 - 18	-	-	6	-	-	-	-	-	-	-	-	-	6
				18 - 21	-	-	9	-	-	-	-	-	-	-	-	-	9
				21 - 24	-	-	7	-	-	-	-	-	-	-	-	-	7
	HORIZON TOTAL				-	-	22	-	-	-	-	-	-	-	-	-	22

Contd....

SEAM: XIV & XIV & XV, EX-BAND, VIRIGIN. Contd....

1	2	3	4	5	6	7	8	9	10	11	12
TOTAL				15 - 18	-	-	02	-	-	-	02
ASH-WISE				18 - 21	2	9	02	-	-	-	700
				21 - 24	49	110	470	-	-	-	309
				24 - 28	5	23	3	-	-	-	-
TOTAL FOR SECTOR				56	142	032	-	-	-	-	-
B				20 to -100	206,240	22 - 25	21 - 24	17	34	03	133
							24 - 28	39	-	-	39
TOTAL				56	34	33	-	-	-	-	123
				25 - 30	21 - 24	-	5	-	07	56	61
					24 - 28	9	45	-	18	04	130
TOTAL				9	50	140	-	-	-	-	199
TOTAL				21 - 24	17	39	09	-	-	-	145
ASH-WISE				24 - 28	48	45	04	-	-	-	177
HORIZON TOTAL				65	04	173	-	-	-	-	322
				-100 to -200	335,040	22 - 25	15 - 18	-	-	18	40
							18 - 21	3	11	05	272
							21 - 24	17	23	08	211
							24 - 28	-	2	-	10
TOTAL				20	36	539	-	-	-	-	595

Contd....

SEAM: XIV & XIV/XV, Ex-band, Virgin. Contd....

1	2	3	4	5	6	7	8	9	10	11	12
			25 - 30	21 - 24	-	-	40	-	-	-	40
				24 - 28	-	-	7	-	-	-	7
				TOTAL	-	-	47	-	-	-	47
			TOTAL	15 - 18	-	-	48	-	-	-	48
			ASH-WISE	18 - 21	3	11	272	-	-	-	286
				21 - 24	17	23	251	-	-	-	291
				24 - 28	-	2	15	-	-	-	17
					20	36	586	-	-	-	642
			HORIZON TOTAL								
			-200 to -300	79,840	22 - 25	15 - 18	32	-	-	-	32
						18 - 21	114	-	-	-	114
						21 - 24	19	-	-	-	19
			HORIZON TOTAL								
			-300 to -400	2,340	22 - 25	10 - 21	165	-	-	-	165
						3	-	-	-	-	3
			HORIZON TOTAL								
			-400 to -500	85,920	22 - 25	18 - 21	21	-	-	-	21
						21 - 24	36	-	-	-	36
						24 - 28	18	-	-	-	18
						TOTAL	75	-	-	-	75

Contd....

SEAM: XIV & XIV/XV; Ex-band, Virgin, Contd....

: 119 :

1	2	3	4	5	6	7	8	9	10	11	12
B			25 - 30	18 - 21	-	3	-	-	-	-	3
				21 - 24	-	46	-	-	-	-	46
				TOTAL	-	49	-	-	-	-	49
			TOTAL	10 - 21	-	24	-	-	-	-	24
			ASH-WISE	21 - 24	-	82	-	-	-	-	82
				24 - 28	-	18	-	-	-	-	18
				Horizon Total	-	124	-	-	-	-	124
			TOTAL	15 - 18	-	-	80	-	-	-	80
			ASH-WISE	10 - 21	3	38	306	-	-	-	427
				21 - 24	34	144	359	-	-	-	537
				24 - 28	48	65	99	-	-	-	212
			TOTAL FOR SECTOR		05	247	924	-	-	-	1,256
C			-100 to -200	50,400	22 - 25	10 - 21	-	7	-	-	7
						21 - 24	-	17	-	-	17
						TOTAL	-	24	-	-	24
			25 - 30			21 - 24	-	87	27	-	114
						24 - 28	-	9	-	-	9
						TOTAL	-	96	27	-	123

Contd....