

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

1	2	3	4	5	6	7	8	9	10	11	12
C	-100 to -200										
	TOTAL			18 - 21	-	-	-	7	-	-	7
	ASH-WISE			21 - 24	-	-	07	44	-	-	131
				24 - 28	-	-	9	-	-	-	9
	HORIZON TOTAL				-	-	96	51	-	-	147
	-200 to -300	339,520	22 - 25	15 - 18	-	-	40	123	-	-	163
				10 - 21	10	34	149	110	-	-	303
				21 - 24	11	-	123	37	-	-	171
				24 - 28	-	4	75	-	-	-	79
	TOTAL	21	38	307	270	-	-	-	-	-	716
	25 - 30			21 - 24	-	-	3	42	-	-	45
	TOTAL	-	-	-	-	-	3	42	-	-	45
	15 - 18	-	-	-	-	-	40	123	-	-	163
	10 - 21	10	34	149	110	-	-	-	-	-	303
	21 - 24	11	-	126	79	-	-	-	-	-	216
	24 - 28	-	4	75	-	-	-	-	-	-	79
	HORIZON TOTAL	21	38	390	312	-	-	-	-	-	761
	-300 to -400	154,400	22 - 25	15 - 18	-	-	-	9	-	-	9
				10 - 21	-	-	100	3	-	-	111
				21 - 24	-	-	151	-	-	-	151
				24 - 28	-	-	50	-	-	-	50
	HORIZON TOTAL	-	-	309	12	-	-	-	-	-	321

Contd....

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

1	2	3	4	5	6	7	8	9	10	11	12
D	-200 to -300	54,720	22 - 25	15 - 18	-	-	-	3	-	-	3
				10 - 21	-	-	-	34	-	-	34
				21 - 24	-	-	-	7	-	-	7
				TOTAL	-	-	-	44	-	-	44
	25 - 30			10 - 21	-	-	8	-	-	-	8
				21 - 24	2	7	53	15	-	-	77
				TOTAL	2	7	61	15	-	-	85
	TOTAL			15 - 18	-	-	-	3	-	-	3
	ASH-WISE			10 - 21	-	-	8	34	-	-	42
				21 - 24	2	7	53	22	-	-	84
	HORIZON TOTAL				2	7	61	59	-	-	129
	-300 to -400	209,600	22 - 25	15 - 18	-	-	-	279	-	-	279
				10 - 21	-	10	70	130	-	-	226
				TOTAL	-	10	70	417	-	-	505
	25 - 30			10 - 21	5	12	19	1	-	-	37
				21 - 24	5	2	-	-	-	-	7
				TOTAL	10	14	19	1	-	-	44

Contd....

1	2	3	4	5	6	7	8	9	10	11	12
0	-300 to -400		TOTAL	15 - 10	-	-	-	279	-	-	279
			ASH-WISE	10 - 21	5	22	97	139	-	-	263
				21 - 24	5	2	-	-	-	-	7
	HORIZON TOTAL			10	24	97	410	-	-	-	549
	-400 to -500	120,000	22 - 25	15 - 10	-	-	-	05	-	-	05
				10 - 21	-	-	71	14	-	-	05
				21 - 24	-	-	09	-	-	-	09
				24 - 20	-	-	41	-	-	-	41
	HORIZON TOTAL			-	-	-	201	99	-	-	30
	-500 to -600	0,960	22 - 25	21 - 24	-	-	16	-	-	-	16
				24 - 20	-	-	4	-	-	-	4
	HORIZON TOTAL			-	-	-	20	-	-	-	20
	TOTAL			15 - 18	-	-	-	367	-	-	367
	ASH-WISE			10 - 21	5	22	176	107	-	-	390
				21 - 24	7	9	150	22	-	-	196
	TOTAL FOR SECTOR	394,000		12	31	379	576	-	-	-	990

Contd....

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

1	2	3	4	5	6	7	8	9	10	11	12
G	± 0 to -100	97,200	22 - 25	15 - 18	-	1	1	-	-	-	2
				18 - 21	-	64	-	13	-	-	77
				21 - 24	-	5	-	2	-	-	7
				TOTAL	-	70	1	15	-	-	86
			25 - 30	18 - 21	-	20	-	-	-	-	20
				21 - 24	-	30	-	-	-	-	30
				TOTAL	-	66	-	-	-	-	66
			TOTAL	15 - 18	-	1	1	-	-	-	2
			ASH-WISE	10 - 21	-	92	-	13	-	-	105
				21 - 24	-	43	-	2	-	-	45
				TOTAL	-	136	1	15	-	-	152
	HORIZON TOTAL				-						
	-100 to -200	348,400	22 - 25	10 - 21	74	90	-	-	-	-	172
				21 - 24	50	4	-	-	-	-	54
				TOTAL	124	102	-	-	-	-	226
			25 - 30	10 - 21	-	7	-	-	-	-	7
				21 - 24	114	5	-	-	-	-	119
				24 - 28	1	-	-	-	-	-	1
				TOTAL	115	12	-	-	-	-	127

Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
G				TOTAL	18 - 21	74	105	-	-	-	179
				ASH-WISE	21 - 24	164	9	-	-	-	173
					24 - 28	1	-	-	-	-	1
				HORIZON TOTAL		239	114	-	-	-	353
				TOTAL	15 - 18	-	1	101	-	-	2
				ASH-WISE	18 - 21	74	197	-	13	-	284
					21 - 24	164	52	-	2	-	218
					24 - 28	1	-	-	-	-	1
TOTAL FOR SECTOR				437,760	239	250	1	15	-	-	505
F	± 0 & above			348,960	22 - 25	15 - 18	32	6	10	-	48
					18 - 21	5	22	10	47	-	84
					21 - 24	1	32	2	93	41	169
					24 - 28	16	48	2	-	-	66
				28 - 35	28	-	-	-	-	-	28
TOTAL				82	108	24	140	41	-	-	395

Contd.....

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

1	2	3	4	5	6	6	7	8	9	10	11	12
F			25 - 30	15 - 18	12		34	-	-	-	-	46
				18 - 21	3		2	8	59	-	-	72
				21 - 24	11		21	5	75	102	-	214
				24 - 28	8		17	3	-	24	-	52
				TOTAL	34		74	16	134	126	-	384
			TOTAL	15 - 18	44		40	10	-	-	-	94
			ASH-WISE	18 - 21	8		24	18	106	-	-	156
				21 - 24	12		53	7	168	143	-	383
				24 - 28	24		65	5	-	24	-	118
				28 - 35	28		-	-	-	-	-	28
					116		182	40	274	167	-	779
			HORIZON TOTAL									
			± 0 to -100	15 - 18	28		25	22	-	-	-	75
				18 - 21	-		6	12	34	-	-	52
				21 - 24	-		4	1	21	-	-	26
				TOTAL	28		35	35	55	-	-	153
			25 - 30	21 - 24	-		28	1	-	-	-	29
				TOTAL	-		28	1	-	-	-	29

Contd...

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

1	2	3	4	5	6	7	8	9	10	11	12
F											
TOTAL				15 - 18 - 28	28	25	22	-	-	-	75
ASH-WISE				18 - 21	-	6	12	34	-	-	52
				21 - 24	-	32	2	21	-	-	55
HORIZON TOTAL				28	63	36	55	-	-	-	182
TOTAL				15 - 18 72	65	32	-	-	-	-	169
ASH-WISE				18 - 21 8	30	30	140	-	-	-	208
				21 - 24 12	85	9	189	143	-	-	438
				24 - 28 24	65	5	-	24	-	-	118
				28 - 35 28	-	-	-	-	-	-	28
TOTAL FOR SECTOR				451,520	144	245	76	329	167	-	961
E ± 0 & above											
22 - 25				15 - 18 2	-	-	-	-	-	-	2
				18 - 21 12	4	5	-	-	-	-	21
				21 - 24 2	1	2	17	-	-	-	22
				24 - 28 8	-	-	-	-	-	-	8
				28 - 35 27	-	-	-	-	-	-	27
TOTAL				51	5	7	17	-	-	-	80

Contd....

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

1	2	3	4	5	6	7	8	9	10	11	12
E			25 - 30	18 - 21	-	-	-	6	-	-	6
				21 - 24	-	-	-	-	-	-	-
				24 - 28	30	9	-	-	-	-	39
				TOTAL	30	9	-	6	-	-	45
			TOTAL	15 - 18	2	-	-	-	-	-	2
			ASH-WISE	18 - 21	12	4	5	6	-	-	27
				21 - 24	2	1	2	17	-	-	22
				24 - 28	38	9	-	-	-	-	47
				28 - 35	27	-	-	-	-	-	27
TOTAL FOR SECTOR			101,760	81	14	7	23	-	-	-	125
H	± 0 & above	4,000	22 - 25	15 - 18	-	-	-	15	-	-	15
HORIZON TOTAL				-	-	-	15	-	-	-	15
± 0 to -100	127,200	22 - 25	15 - 18	-	-	-	-	197	-	-	197
TOTAL				-	-	-	-	197	-	-	197
	25 - 30		15 - 18	-	-	-	-	119	-	-	119
			18 - 21	1	7	39	50	-	-	-	97
			21 - 24	1	-	-	-	-	-	-	1
TOTAL			2	7	39	169	-	-	-	-	217
	TOTAL		15 - 18	-	-	-	-	316	-	-	316
	ASH-WISE		18 - 21	1	7	39	50	-	-	-	97
			21 - 24	1	-	-	-	-	-	-	1
HORIZON TOTAL			2	7	39	366	-	-	-	-	414

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

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1	2	3	4	5	6	7	8	9	10	11	12
H	-100 to -200	65,600	22 - 25	15 - 18	-	-	-	62	-	-	62
				18 - 21	5	3	1	-	-	-	9
				TOTAL	5	3	1	62	-	-	71
			25 - 30	15 - 18	-	-	-	12	-	-	12
				18 - 21	4	9	9	-	-	-	22
				21 - 24	16	6	1	-	-	-	23
				TOTAL	20	15	10	12	-	-	57
			TOTAL	15 - 18	-	-	-	74	-	-	74
			ASH-WISE	18 - 21	9	12	10	-	-	-	31
				21 - 24	16	6	1	-	-	-	23
					25	18	11	74	-	-	120
			HORIZON TOTAL								
	-200 to -300	000	22 - 25	24 - 28	1	-	-	-	-	-	
					1	-	-	-	-	-	
					1	-	-	-	-	-	
			HORIZON TOTAL								
	-300 to -400	29,600	22 - 25	21 - 24	2	21	11	-	-	-	34
				24 - 28	1	1	-	-	-	-	2
				TOTAL	3	22	11	-	-	-	36
				21 - 24	-	-	11	-	-	-	11
			25 - 30		-	-	-	-	-	-	
				TOTAL	-	-	11	-	-	-	11

Contd...

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

1	2	3	4	5	6	7	8	9	10	11	12
H	TOTAL										
				21 - 24	2	21	22	-	-	-	45
	ASH-WISE										
				24 - 28	1	1	-	-	-	-	2
HORIZON TOTAL											
				3	22	22	-	-	-	-	47
-400 to -500											
		20,800	22 - 25	21 - 24	5	7	-	-	-	-	12
TOTAL											
				5	7	-	-	-	-	-	12
25 - 30											
				21 - 24	5	10	-	-	-	-	15
TOTAL											
				5	10	-	-	-	-	-	15
TOTAL											
				21 - 24	10	17	-	-	-	-	27
ASH-WISE											
HORIZON TOTAL											
				10	17	-	-	-	-	-	27
TOTAL											
				15 - 18	-	-	-	405	-	-	405
ASH-WISE											
				18 - 21	10	19	49	50	-	-	120
				21 - 24	29	44	23	-	-	-	96
				24 - 28	2	1	-	-	-	-	3
TOTAL FOR SECTOR											
		240,000		41	64	72	455	-	-	-	632

Contd.....

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

1	2	3	4	5	6	7	8	9	10	11	12
E	± 0 & above		22 - 25	24 - 28	2	-	-	-	-	-	2
				28 - 35	13	-	-	-	-	-	13
TOTAL FOR SECTOR		20,400			15	-	-	-	-	-	15

SEAM: XIV & XIV, EX-BAND, BARRIER ZONE

1	2	3	4	5	6	7	8	9	10	11	12
A	± 0 & above		22 - 25	10 - 21	-	-	29	-	-	-	29
				21 - 24	10	5	40	-	-	-	55
				24 - 28	11	-	-	-	-	-	11
TOTAL FOR SECTOR		66,080			21	5	69	-	-	-	95

SEAM: XIV & XIV, EX-BAND, BARRIER FROM BATTER

1	2	3	4	5	6	7	8	9	10	11	12
E	± 0 & above		22 - 25	15 - 18	2	-	-	-	-	-	2
TOTAL					2	-	-	-	-	-	2
			25 - 30	15 - 18	2	2	5	3	-	-	12
				18 - 21	-	-	-	6	-	-	6
TOTAL					2	2	5	9	-	-	18

SEAM: XIV & XIV/XV, Ex-band, Barrier from batter Contd....

1	2	3	4	5	6	7	8	9	10	11	12
				15 - 18	4	2	5	3	-	-	14
				10 - 21	-	-	-	6	-	-	6
TOTAL FOR SECTOR		10560			4	2	5	9	-	-	20
F			25 - 30	18 - 21	-	-	15	21	-	-	36
				21 - 24	16	10	10	28	-	-	64
TOTAL FOR SECTOR		47,040			16	10	25	49	-	-	100

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

TABLE: NO. TA/R/D - 12 (I)

(Reserves in 1000 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 - 7.00	7.00 - 10.00	10.00 - 15.00	15.00 - 20.00	20.00 - 25.00	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
± 0 & above		439,520	15 - 10	-	-	57	114	-	-	-	-	-	-	171
			18 - 21	22	30	164	342	-	-	-	-	-	-	558
			21 - 24	1	4	41	379	-	-	-	-	-	-	425
HORIZON TOTAL				23	34	262	835	-	-	-	-	-	-	1,154
± 0 to -100		443,040	15	1	1	20	-	-	-	-	-	-	-	29
			15 - 10	-	-	95	40	-	-	-	-	-	-	135
			18 - 21	-	24	322	205	-	-	-	-	-	-	631
			21 - 24	-	17	63	263	-	-	-	-	-	-	343
HORIZON TOTAL				-	42	508	500	-	-	-	-	-	-	1,138
-100 to -200		45,600	21 - 24	-	-	2	130	-	-	-	-	-	-	132
			24 - 28	-	-	9	37	-	-	-	-	-	-	46
HORIZON TOTAL				-	-	11	167	-	-	-	-	-	-	178

Contd....

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SEAM: XV; In-band, Virgin. contd...

1	2	3	4	5	6	7	8	9	10	11
A		TOTAL	15	-	1	20	-	-	-	29
		ASH-WISE	15 - 10	-	-	152	154	-	-	306
			10 - 21	22	54	486	627	-	-	1,189
			21 - 24	1	21	106	772	-	-	900
			24 - 20	-	-	9	37	-	-	46
		TOTAL FOR SECTION	20,160	23	76	701	1,590	-	-	2,470
B		± 0 & above	15 - 10	-	-	-	39	-	-	39
			10 - 21	-	-	-	30	13	-	51
		HORIZON TOTAL		-	-	-	77	13	-	90
		± 0 to -100	15	25	31	32	3	-	-	91
			15 - 10	7	25	84	24	-	-	140
			10 - 21	-	16	235	154	165	-	570
			21 - 24	-	-	50	92	87	-	237
			24 - 20	-	-	17	13	-	-	30
		HORIZON TOTAL		32	72	426	206	252	-	1,060
		-100 to -200	15 - 10	-	-	94	276	-	-	370
			10 - 21	-	-	171	387	-	-	558
			21 - 24	-	1	63	81	-	-	145
		HORIZON TOTAL		-	1	320	744	-	-	1,073

contd....

SEAM: XV; In-band, Virgin. Contd....

: 135 :

1	2	3	4	5	6	7	8	9	10	11
B	-200 to -360	259,200	15 - 18	-	-	-	202	-	-	202
			18 - 21	-	-	10	201	-	-	211
			21 - 24	-	13	110	86	-	-	209
			24 - 28	2	35	32	-	-	-	69
HORIZON TOTAL				2	48	152	489	-	-	691
	-500 to -400	236,060	21 - 24	-	-	-	423	-	-	423
			24 - 28	5	10	76	198	-	-	281
			28 - 35	10	9	29	50	-	-	98
HORIZON TOTAL				15	19	107	661	-	-	802
	-400 to -500	133,120	21 - 24	-	-	-	58	-	-	58
			24 - 28	-	-	-	287	-	-	524
			28 - 35	-	-	-	36	-	-	36
HORIZON TOTAL				-	-	-	381	-	-	618
TOTAL				25	31	32	3	-	-	91
ASH-WISE				7	25	178	541	-	-	754
			18 - 21	-	16	416	780	178	-	1,390
			21 - 24	-	14	231	740	87	-	1,072
			24 - 28	7	45	127	488	237	-	904
			28 - 35	10	9	29	86	-	-	134
TOTAL FOR SECTOR		138,7200		49	140	1013	2638	502	-	4,342

Contd....

SEAM: XV; In-band, Virgin. Contd....

1	2	3	4	5	6	7	8	9	10	11
C	± 0 to -100	800	21 - 24	-	-	-	-	5	-	5 ✓
	HORIZON TOTAL			-	-	-	-	5	-	5
	-100 to -200	128,160	18 - 21	-	-	-	13	-	-	13
			21 - 24	-	-	-	52	81	-	133
			24 - 28	-	-	7	177	155	-	339
			28 - 35	-	-	-	116	5	-	121
	HORIZON TOTAL			-	-	7	358	241	-	606 ✓
	-200 to -300	398,720	15 - 18	-	-	-	63	-	-	63
			18 - 21	-	-	-	907	-	-	907
			21 - 24	-	-	-	297	4	-	301
			24 - 28	-	-	-	173	-	-	173
			28 - 35	-	-	-	10	-	-	10
	HORIZON TOTAL			-	-	-	1,450	4	-	1,454 ✓
	-300 to -400	244,000	18 - 21	-	-	-	799	-	-	799
			21 - 24	-	-	-	242	-	-	242
	HORIZON TOTAL			-	-	-	1,041	-	-	1,041 ✓
	-400 to -500	191,680	18 - 21	-	-	-	269	-	-	269
			21 - 24	-	-	-	250	-	-	250
			24 - 28	-	-	-	14	396	-	410
	HORIZON TOTAL			-	-	-	533	396	-	929 ✓

Contd....

SEAM: XV; Inband, Virgin. Contd....

1	2	3	4	5	6	7	8	9	10	11
C	-500 to -600	88,640	18 - 21	-	-	-	48	-	-	48
			21 - 24	-	-	-	206	120	-	326
			24 - 28	-	-	-	-	50	-	50
HORIZON TOTAL										
	-600 to -700	18400	21 - 24	-	-	-	-	170	-	424 ✓
HORIZON TOTAL										
	-600 to -700	18400	21 - 24	-	-	-	-	102	-	102 ✓
HORIZON TOTAL										
				-	-	-	-	102	-	102
TOTAL FOR SECTOR										
	1,070,400			-	-	7	3,635	918	-	4,560
D	-100 to -200	2,240	24 - 28	-	-	-	-	16	-	16
HORIZON TOTAL										
				-	-	-	-	16	-	16 ✓
	-200 to -300	134,080	15 - 18	-	-	-	91	117	-	208
			18 - 21	-	-	-	149	260	-	409
			21 - 24	-	-	-	41	142	-	183
HORIZON TOTAL										
				-	-	-	201	519	-	720 ✓

Contd...

SEAM: XV; In-band, Virgin. Contd....

1	2	3	4	5	6	7	8	9	10	11
D	-300 to -400	195,360	15 - 10	-	-	-	237	213	-	450
			18 - 21	-	-	-	532	-	-	532
	HORIZON TOTAL			-	-	-	769	213	-	902 ✓
	-400 to -500	97,000	18 - 21	-	-	-	415	-	-	415
	HORIZON TOTAL			-	-	-	415	-	-	415 ✓
	-500 to -600	89,280	18 - 21	-	-	-	367	-	-	367
			21 - 24	-	-	-	12	-	-	12
	HORIZON TOTAL			-	-	-	379	-	-	379 ✓
	-600 to -700	57,760	18 - 21	-	-	-	24	8	-	32
			21 - 24	-	-	-	31	252	-	283
	HORIZON TOTAL			-	-	-	55	260	-	315 ✓
	TOTAL		15 - 18	-	-	-	320	330	-	650
	ASH-WISE		18 - 21	-	-	-	1,407	520	-	2,007
			21 - 24	-	-	-	04	142	-	226
			24 - 28	-	-	-	-	16	-	16
	TOTAL FOR SECTOR	575,720		-	-	-	1,099	1,000	-	2,907

Contd....

1	2	3	4	5	6	7	8	9	10	11
E										
± 0 & above		66,560	21 - 24	-	-	5	30	-	-	43
			24 - 20	-	2	9	12	-	-	23
			20 - 35	11	12	27	66	3	-	119
TOTAL FUR SECTOR		66,560		11	14	41	116	3	-	185 ✓
F										
± 0 & above		301,120	21 - 24	-	-	7	157	42	-	206
			24 - 28	3	5	26	351	-	-	305
			20 - 35	13	15	61	390	156	-	635
HORIZON TOTAL				16	20	94	090	190	-	1,226 ✓
± 0 to -100		126,080	10 - 21	-	-	-	25	-	-	25
			21 - 24	-	-	-	125	47	-	172
			24 - 20	-	-	4	316	6	-	326
			20 - 35	-	-	5	299	12	-	316
HORIZON TOTAL				-	-	9	765	65	-	839 ✓
-100 to -200		1,600	24 - 20	-	-	4	-	-	-	4
HORIZON TOTAL				-	-	4	-	-	-	4 ✓
ASH-WISE										
TOTAL			10 - 21	-	-	-	25	-	-	25
			21 - 24	-	-	7	202	09	-	378
			24 - 20	3	5	34	667	6	-	715
			20 - 35	13	15	66	609	160	-	951
TOTAL FUR SECTOR		428,800		16	20	107	1,663	263	-	2,069

Contd...

: 140 :

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

1	2	3	4	5	6	7	8	9	10	11
G	± 0 to -100	115,360	10 - 21	-	-	-	56	9	-	55
			21 - 24	-	-	-	21	15	-	36
			24 - 28	-	-	-	4	77	-	81
			28 - 35	-	-	-	133	374	-	507
	HORIZON TOTAL			-	-	-	214	475	-	609
	-100 to -200	406,400	10 - 21	-	-	-	147	630	-	705
			21 - 24	-	-	-	390	146	-	544
			24 - 28	-	-	30	293	232	-	563
			28 - 35	-	-	-	-	184	-	104
	HORIZON TOTAL			-	-	30	830	1200	-	2076
	TOTAL		10 - 21	-	-	-	203	647	-	850
	ASH-WISE		21 - 24	-	-	-	419	161	-	580
			24 - 28	-	-	30	297	309	-	644
			28 - 35	-	-	-	133	550	-	691
	TOTAL FOR SECTOR	521,760		-	-	30	1052	1675	-	2765
H	± 0 & above	14,080	15 - 18	-	-	-	-	9	-	9
			18 - 21	-	-	-	-	68	-	68
	HORIZON TOTAL			-	-	-	-	77	-	77

Contd.....

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

141 :

1	2	3	4	5	6	7	8	9	10	11
H	± 0 to -100	144,320	15	2	5	23	53	91	-	174
			15 - 18	-	-	-	56	44	-	100
			18 - 21	-	-	-	6	307	-	393
HORIZON TOTAL										
	-100 to -200	39,040	15	0	4	6	20	25	7	70
			15 - 18	1	1	2	2	61	11	78
HORIZON TOTAL										
	-200 to -300	20,640	15	2	3	4	4	-	-	13
			18 - 21	-	-	-	8	42	45	95
HORIZON TOTAL										
	-300 to -400	133,920	15	2	3	4	12	42	45	108
			18 - 21	-	-	-	-	-	216	216
			21 - 24	-	-	-	-	33	320	361
			24 - 20	-	-	-	-	33	-	33
HORIZON TOTAL										
	-400 to -500	132,960	18	-	-	-	-	66	1272	1330
			21 - 24	-	-	-	-	59	203	203
			24 - 20	-	-	-	-	19	236	255
HORIZON TOTAL										
			-	-	-	-	-	78	1205	1203

Contd....

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

1	2	3	4	5	6	7	8	9	10	11
H	-500 to -600	11,040	21 - 24	-	-	-	-	-	90	90
			24 - 20	-	-	-	-	-	16	16
HORIZON TOTAL										
				-	-	-	-	-	106	106
TOTAL										
			15 - 10	3	4	6	62	114	227	244
ASH-WISE										
			10 - 21	-	-	-	14	497	976	1407
			21 - 24	-	-	-	-	92	1104	1276
			24 - 20	-	-	-	-	52	252	304
TOTAL FOR SECTOR										
		496,000		13	13	35	149	071	2646	3727

SEAM: XV: IN-BAND, BARRIER ZONE

1	2	3	4	5	6	7	8	9	10	11
A	+ 0 & above		15 - 10	1	4	5	-	-	-	10
			10 - 21	5	2	-	-	-	-	7
			21 - 24	2	1	40	20	-	-	71
TOTAL FOR SECTOR										
		47,200		0	7	53	20	-	-	00

Contd....

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

TABLE : NO. TA/R/D-12 (E)

TABLE : NO. TA/R/D-12 (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 - 2.0	2.00 - 4.00	4.00 - 6.0	6.0 - 7.0	7.0 - 10	
1	2	3	4	5	6	7	8	9	10	11	12	
A	± 0 & above	443,360	22 - 25	15	-	-	7	-	-	-	-	7
				15 - 18	-	-	23	53	-	-	-	76
				10 - 21	-	1	21	50	-	-	-	72
				21 - 24	-	-	11	-	-	-	-	11
	TOTAL				-	1	62	103	-	-	-	166
	25 - 30			15 - 18	-	1	40	48	-	-	-	89
				10 - 21	23	31	137	308	-	-	-	579
				21 - 24	-	1	36	273	-	-	-	310
	TOTAL				23	33	213	709	-	-	-	978
					15	-	-	7	-	-	-	7
			ASH-WISE	15 - 18	-	1	63	101	-	-	165	
				10 - 21	23	32	150	430	-	-	651	
				21 - 24	-	1	47	273	-	-	321	
HORIZON TOTAL					23	34	275	812	-	-	1,144	
± 0 to -100		443,040	20 - 22	18 - 21	-	-	3	-	-	-	3	
				21 - 24	-	6	7	-	-	-	13	
TOTAL					-	6	10	-	-	-	16	
Contd.												

Contd.

1	2	3	4	5	6	7	8	9	10	11	12
A			22 - 25	15 - 18 18 - 21 21 - 24	-	1	22 1 20	- 2 13	- - -	- - -	23 3 41
				TOTAL	-	27	160	211	-	-	393
			25 - 30	15 - 18 18 - 21 21 - 24	-	-	21 161 171	- 100 208	- - -	- - -	21 262 382
				TOTAL	-	4	353	340	3	-	700
			TOTAL	15 - 18 18 - 21 21 - 24	-	1	43 162 291	- 102 404	- - -	- - -	44 265 716
			ASH-WISE	15 - 18 18 - 21 21 - 24	-	1	162 291 27	102 404 45	- - 3	- - -	265 716 89
			HORIZON TOTAL	15 - 18 18 - 21 21 - 24	-	37	523	551	3	-	1,114
			-100 to -200	18 - 21 21 - 24	-	-	15 1	119 8	- -	- -	134 9
			45,600	TOTAL	-	-	16	127	-	-	143

Contd.....

SEAM: XV; Ex-band, Virgin. Contd....

: 146 :

1	2	3	4	5	6	7	8	9	10	11	12
A			25 - 30	18 - 21	-	-	-	13	-	-	13
				21 - 24	-	-	-	10	-	-	10
				TOTAL	-	-	-	23	-	-	23
			TOTAL	18 - 21	-	-	15	132	-	-	147
			ASH-WISE	21 - 24	-	-	1	18	-	-	19
			HORIZON TOTAL		-	-	16	150	-	-	166
			TOTAL	< 15	-	1	50	-	-	-	51
			ASH-WISE	15 - 18	-	2	225	203	-	-	430
				18 - 21	23	53	464	974	-	-	1,514
				21 - 24	-	15	75	336	3	-	429
					23	71	814	1,513	3	-	2,424
			25 - 30	15 - 18	-	-	-	65	12	-	77
			HORIZON TOTAL		-	-	-	65	12	-	77
			< 20	15 - 18	1	1	-	-	-	-	2
				18 - 21	-	6	7	-	-	-	13
				21 - 24	-	-	19	4	-	-	23
				24 - 28	-	-	12	-	-	-	12
				TOTAL	1	7	44	12	-	-	64
			20 - 22	< 15	8	2	-	-	-	-	10
				15 - 18	3	7	8	-	-	-	10
				18 - 21	-	5	13	48	2	-	68
				21 - 24	-	1	8	20	-	-	29
				24 - 28	-	-	12	-	-	-	12
				TOTAL	11	15	41	68	2	-	137
			TOTAL FOR SECTOR	932,000							
			± 0 & above	21,920							
			HORIZON TOTAL								
			± 0 to -100	350, 400							

SEAM: XV; EX-band, Virgin. Contd.....

: 147 :

1	2	3	4	5	6	7	8	9	10	11	12
B			22 - 25	<u>L</u> 15	16	18	19	-	-	-	53
				15 - 18	1	3	30	99	59	-	192
				18 - 21	-	6	1	11	12	-	30
				21 - 24	-	1	16	-	-	-	17
				24 - 28	-	-	7	-	-	-	7
				TOTAL	17	20	73	110	71	-	299
			25 - 30	<u>L</u> 15	1	11	6	9	-	-	27
				15 - 18	-	5	7	224	166	-	402
				18 - 21	-	2	-	22	-	-	24
				21 - 24	-	-	-	7	-	-	7
				TOTAL	1	18	13	262	166	-	460
			TOTAL	<u>L</u> 15	25	31	25	9	-	-	90
			ASH-WISE	15 - 18	5	16	45	323	225	-	614
				18 - 21	-	19	21	81	14	-	135
				21 - 24	-	2	43	31	-	-	76
				24 - 28	-	-	37	0	-	-	45
				HORIZON TOTAL	30	60	171	452	239	-	960

Contd....

SEAM: XV; Ex-band, Virgin. Contd....

1	2	3	4	5	6	7	8	9	10	11	12
B	-100 to -200	302,000	20 - 22	15 - 18	-	3	14	-	-	-	17
				18 - 21	-	-	13	-	-	-	13
				TOTAL	-	3	27	-	-	-	30
	22 - 25			15 - 18	-	-	4	40	-	-	52
				18 - 21	-	-	43	179	-	-	222
				21 - 24	-	-	1	-	-	-	1
				24 - 28	-	-	1	-	-	-	1
				TOTAL	-	-	49	227	-	-	276
	25 - 30			15 - 18	-	-	203	340	-	-	543
				18 - 21	-	-	50	115	-	-	165
				21 - 24	-	-	0	4	-	-	12
				TOTAL	-	-	261	459	-	-	720
	TOTAL			15 - 18	-	3	221	300	-	-	612
	ASH-WISE			18 - 21	-	-	106	294	-	-	400
				21 - 24	-	-	9	4	-	-	13
				24 - 28	-	-	1	-	-	-	1
	HORIZON TOTAL				-	3	337	606	-	-	1,026

Contd....

1	2	3	4	5	6	7	8	9	10	11	12
B	-200 to -300	259,200	<u>20</u>	10 - 21	2	-	-	-	-	-	2
				21 - 24	1	-	-	-	-	-	1
				TOTAL	3	-	-	-	-	-	3
			20 - 22	15 - 10	-	9	6	-	-	-	15
				10 - 21	7	25	34	-	-	-	66
				21 - 24	1	1	1	-	-	-	3
				TOTAL	0	35	41	-	-	-	04
			22 - 25	15 - 10	-	-	-	155	-	-	155
				10 - 21	-	-	120	241	-	-	361
				TOTAL	-	-	120	396	-	-	516
			25 - 30	<u>15</u>	-	-	-	21	-	-	21
				15 - 10	-	-	-	44	-	-	44
				10 - 21	-	-	-	7	-	-	7
				TOTAL	-	-	-	72	-	-	72
			TOTAL	<u>15</u>	-	-	-	21	-	-	21
			ASH-WISE	15 - 10	-	9	6	199	-	-	214
				10 - 21	9	25	154	240	-	-	436
				21 - 24	2	1	1	-	-	-	4
				TOTAL	11	35	161	460	-	-	675
			HORIZON TOTAL								

Contd.....

: 150 :

SEAM: XV; Ex-band, Virgin. Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
B	-300 to -400	230,000	/20	10 - 21	1	-	-	-	-	-	1
				21 - 24	16	5	9	-	-	-	30
				TOTAL	17	5	9	-	-	-	31
	20 - 22			10 - 21	1	2	3	12	-	-	10
				21 - 24	2	16	79	164	-	-	261
				TOTAL	3	18	82	176	-	-	279
	22 - 25			15 - 18	-	-	-	1	-	-	1
				18 - 21	-	-	10	133	-	-	143
				21 - 24	-	-	22	116	-	-	138
				TOTAL	-	-	32	250	-	-	202
	25 - 30			10 - 21	-	-	-	51	-	-	51
				21 - 24	-	-	-	20	-	-	28
				TOTAL	-	-	-	79	-	-	79
	TOTAL			15 - 18	-	-	-	1	-	-	1
	ASH-WISE			18 - 21	2	2	13	196	-	-	213
				21 - 24	18	21	110	308	-	-	457
					20	23	123	505	-	-	671
	HORIZON TOTAL										

Contd.....

SEAM: XV; Ex-band, Virgin. Contd.....

: 151 :

1	2	3	4	5	6	7	8	9	10	11	12
B	-400 to -500	133,120	20 - 22	18 - 21	-	-	-	78	-	-	78
				21 - 24	-	-	-	362	-	-	362
				TOTAL	-	-	-	440	-	-	440
			22 - 25	18 - 21	-	-	-	118	-	-	118
				TOTAL	-	-	-	118	-	-	118
				TOTAL	-	-	-	196	-	-	196
				ASH-WISE	21 - 24	-	-	362	-	-	362
				HORIZON TOTAL	-	-	-	550	-	-	550
				TOTAL	15	25	31	25	30	-	111
				ASH-WISE	15 - 18	5	28	272	976	237	1518
					18 - 21	11	46	294	1015	14	1300
					21 - 24	20	24	163	705	-	912
					24 - 28	-	-	30	8	-	46
				TOTAL FOR SECTOR	61	129	792	2,734	251	-	3,967
C	+ 0 to -100	800	22 - 25	15 - 18	-	-	-	-	5	-	5
				HORIZON TOTAL	-	-	-	-	5	-	5

Contd...

SEAM: XV; EX-band; Virgin. Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
C	-100 to - 200	120,160	120	24 - 20	-	-	-	95	30	-	133
				20 - 35	-	-	1	53	-	-	54
				TOTAL	-	-	1	140	30	-	107
	20 - 22			10 - 21	-	-	-	-	23	-	23
				21 - 24	-	-	-	7	137	-	144
				24 - 20	-	-	2	10	41	-	53
				20 - 35	-	-	2	6	-	-	0
				TOTAL	-	-	4	23	201	-	220
	22 - 25			15 - 10	-	-	-	-	0	-	0
				10 - 21	-	-	-	-	41	-	41
				21 - 24	-	-	-	-	-	-	-
				24 - 20	-	-	4	29	-	-	33
				TOTAL	-	-	4	29	49	-	82
	25 - 30			10 - 21	-	-	-	9	-	-	9
				21 - 24	-	-	-	40	-	-	40
				24 - 20	-	-	-	40	-	-	40
				TOTAL	-	-	-	97	-	-	97

Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
C			TOTAL	15 - 10	-	-	-	-	0	-	0
			ASH-WISE	10 - 21	-	-	-	9	64	-	73
				21 - 24	-	-	-	55	137	-	192
				24 - 28	-	-	6	174	79	-	259
				20 - 35	-	-	3	59	-	-	62
			HORIZEN TOTAL		-	-	9	297	200	-	594
		-200 to -300	390,720	L20	24 - 20	-	-	30	-	-	38
					20 - 35	-	-	6	-	-	6
				TOTAL	-	-	-	44	-	-	44
		20 - 22		18 - 21	-	-	-	1	-	-	1
				21 - 24	-	-	-	48	10	-	58
				24 - 28	-	-	-	54	11	-	65
				28 - 35	-	-	-	1	-	-	1
				TOTAL	-	-	-	104	21	-	125
		22 - 25		15 - 18	-	-	-	38	-	-	38
				18 - 21	-	-	-	36	-	-	36
				21 - 24	-	-	-	42	-	-	42
				24 - 28	-	-	-	25	-	-	25
				TOTAL	-	-	-	141	-	-	141

SEAM: XV; Ex-band, Virgin. Contd....

1	2	3	4	5	6	7	8	9	10	11	12
C			25 - 30	15	-	-	-	37	-	-	37
				15 - 18	-	-	-	857	-	-	857
				18 - 21	-	-	-	188	-	-	188
				21 - 24	-	-	-	82	-	-	82
				24 - 28	-	-	-	9	-	-	9
				TOTAL	-	-	-	1173	-	-	1173
			TOTAL	15	-	-	-	37	-	-	37
			ASH-WISE	15 - 18	-	-	-	895	-	-	895
				18 - 21	-	-	-	225	-	-	225
				21 - 24	-	-	-	172	10	-	182
				24 - 28	-	-	-	126	11	-	137
				28 - 35	-	-	-	7	-	-	7
				TOTAL	-	-	-	1462	21	-	1483
			HORIZON TOTAL								
			-300 to -400	20 - 22	18 - 21	-	-	30	-	-	30
				TOTAL	-	-	-	30	-	-	30
			22 - 25	15 - 18	-	-	-	259	-	-	259
				18 - 21	-	-	-	165	-	-	165
				TOTAL	-	-	-	424	-	-	424
			25 - 30	15	-	-	-	52	-	-	52
				15 - 18	-	-	-	443	-	-	443
				TOTAL	-	-	-	495	-	-	495

Contd....

SEAM: XV; Ex-band, Virgin, Contd.....

: 155 :

1	2	3	4	5	6	7	8	9	10	11	12
C			TOTAL	15	-	-	-	52	-	-	52
			ASH-WISE	15 - 18	-	-	-	702	-	-	702
				18 - 21	-	-	-	195	-	-	195
			HORIZON TOTAL		-	-	-	949	-	-	949
	-400 to -500	191,680	20 - 22	18 - 21	-	-	-	177	-	-	177
				21 - 24	-	-	-	134	-	-	134
			TOTAL		-	-	-	311	-	-	311
			22 - 25	15 - 18	-	-	-	92	-	-	92
				18 - 21	-	-	-	176	-	-	176
				21 - 24	-	-	-	61	-	-	61
			TOTAL		-	-	-	329	-	-	329
			25 - 30	15	-	-	-	36	-	-	36
				15 - 18	-	-	-	112	-	-	112
			TOTAL		-	-	-	148	-	-	148
			TOTAL	15	-	-	-	36	-	-	36
			ASH-WISE	15 - 18	-	-	-	204	-	-	204
				18 - 21	-	-	-	353	-	-	353
				21 - 24	-	-	-	195	-	-	195
			HORIZON TOTAL		-	-	-	788	-	-	788

Contd.....

SEAM: XV; Ex-band, Virgin, Contd.....

: 157 :

1	2	3	4	5	6	7	8	9	10	11	12
D	-100 to 200	2,240	20 - 22	21 - 24	-	-	-	-	15	-	15
HORIZON TOTAL											
-210 to -300	134080	20 - 22	18 - 21	-	-	-	-	27	38	-	65
			21 - 24	-	-	-	-	41	75	-	116
TOTAL											
								68	113	-	181
22 - 25											
15 - 18	-	-	-	-	-	-	-	134	243	-	377
18 - 21	-	-	-	-	-	-	-	63	66	-	129
TOTAL											
								197	309	-	506
25 - 30											
15 - 18	-	-	-	-	-	-	-	76	-	-	76
TOTAL											
								76	-	-	76
TOTAL											
								210	281	-	491
ASH-WISE											
18 - 21	-	-	-	-	-	-	-	90	141	-	231
21 - 24	-	-	-	-	-	-	-	41	-	-	41
HORIZON TOTAL											
								341	422	-	763

Contd.....

SEAM: XV; Ex-band, Virgin. Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
0	-300 to -400	195,360	22 - 25	15 - 18	-	-	-	231	8	-	239
				TOTAL	-	-	-	231	8	-	239
	25 - 30			15 - 18	-	-	-	652	-	-	652
				TOTAL	-	-	-	652	-	-	652
	TOTAL			15 - 18	-	-	-	883	8	-	891
	ASH-WISE										
	HORIZON TOTAL				-	-	-	883	8	-	891
	-400 to -500	97,600	25 - 30	15 - 18	-	-	-	399	-	-	399
	HORIZON TOTAL				-	-	-	399	-	-	399
	-500 to -600	89,280	22 - 25	15 - 18	-	-	-	34	-	-	34
				TOTAL	-	-	-	34	-	-	34
	25 - 30			15 - 18	-	-	-	71	-	-	71
				15 - 18	-	-	-	237	-	-	237
				TOTAL	-	-	-	308	-	-	308
	TOTAL			15 - 18	-	-	-	71	-	-	71
	ASH-WISE				-	-	-	271	-	-	271
	HORIZON TOTAL				-	-	-	342	-	-	342

Contd.....

SEAM: XV; Ex-band, Virgin. Contd.....

: 159 :

1	2	3	4	5	6	7	8	9	10	11	12
D	-600 to -700	57,760	20 - 22	18 - 21	-	-	-	90	-	-	90
TOTAL				-	-	-	-	90	-	-	90
22 - 25				15 - 18	-	-	-	68	-	-	68
				18 - 21	-	-	-	48	-	-	48
TOTAL				-	-	-	-	116	-	-	116
25 - 30				15 - 18	-	-	-	28	-	-	28
TOTAL				-	-	-	-	28	-	-	28
TOTAL				15 - 10	-	-	-	96	-	-	96
ASH-WISE				18 - 21	-	-	-	138	-	-	138
TOTAL				15	-	-	-	234	-	-	234
TOTAL				15 - 18	-	-	-	1059	289	-	2147
				18 - 21	-	-	-	220	141	-	360
				21 - 24	-	-	-	41	15	-	56
TOTAL FOR SECTOR				576,320	-	-	-	2199	445	-	2644
E	+ 0 & above	64,000	25 - 30	18 - 21	1	2	11	20	-	-	21
				24 - 28	6	8	29	51	-	-	94
TOTAL				7	10	40	71	-	-	-	128
730				18 - 21	4	6	10	-	-	-	20
TOTAL				4	6	10	-	-	-	-	20

Contd....

SEAM: XV; Ex-band, Virgin. Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
E			TOTAL	18 - 21	5	8	21	20	-	-	54
			ASH-WISE	21 - 24	-	-	-	-	-	-	-
				24 - 28	6	8	29	51	-	-	94
TOTAL FOR SECTOR			64,800		11	16	50	71	-	-	148
F	± 0 & above		22 - 25	21 - 24	-	-	-	12	-	-	12
				24 - 28	-	-	-	30	-	-	30
			TOTAL		-	-	-	50	-	-	50
	25 - 30			18 - 21	10	17	40	74	-	-	157
				21 - 24	7	7	29	116	-	-	159
				24 - 28	5	8	20	-	-	-	41
			TOTAL		30	32	105	190	-	-	357
	TOTAL			18 - 21	18	17	40	74	-	-	157
	ASH-WISE			21 - 24	7	7	29	120	-	-	171
				24 - 28	5	8	20	30	-	-	79
HORIZON TOTAL					30	32	105	240	-	-	407

Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
F	± 0 to -100	190,400	20 - 22	18 - 21	-	-	-	6	-	-	6
				24 - 28	-	-	-	50	-	-	50
				24 - 28	-	-	-	1	-	-	1
				TOTAL	-	-	-	57	-	-	57
		22 - 25		18 - 21	-	2	7	151	-	-	160
				21 - 24	-	-	0	209	-	-	217
				24 - 28	-	-	-	81	-	-	01
				TOTAL	-	2	15	441	-	-	458
		25 - 30		18 - 21	-	4	43	70	-	-	117
			TOTAL	18 - 21	-	6	50	227	-	-	203
			ASH-WISE	21 - 24	-	-	0	259	-	-	267
				24 - 28	-	-	-	82	-	-	82
				TOTAL	-	6	50	568	-	-	632
		HORIZON TOTAL			-	-	3	-	-	-	3
		-100 to -200	1,600	22 - 25	21 - 24	-	-	3	-	-	3
				TOTAL	18 - 21	18	23	90	301	-	440
				ASH-WISE	21 - 24	7	7	40	307	-	441
					24 - 28	5	0	28	120	-	101
				TOTAL	30	30	166	808	-	-	1,042
		TOTAL FOR SECTOR	192,000								

Contd...

SEAM: XV; Ex-band, Virgin. Contd....

1	2	3	4	5	6	7	8	9	10	11	12
G	± & above	115,360	22 - 25	15 - 18	-	-	-	35	-	-	35
				18 - 21	-	-	-	197	13	-	210
				21 - 24	-	-	-	189	23	-	212
				TOTAL	-	-	-	421	36	-	457
			25 - 30	18 - 21	-	-	-	27	-	-	27
				TOTAL	-	-	-	27	-	-	27
			TOTAL	15 - 18	-	-	-	35	-	-	35
			ASH-WISE	18 - 21	-	-	-	224	13	-	237
				21 - 24	-	-	-	189	23	-	212
				TOTAL	-	-	-	448	36	-	484
			20 - 22	21 - 24	-	-	-	3	-	-	3
				TOTAL	-	-	-	3	-	-	3
				18 - 21	-	-	-	182	-	-	182
				21 - 24	-	-	-	27	-	-	27
				TOTAL	-	-	-	209	-	-	209
			22 - 25	15 - 18	-	-	-	322	21	-	343
				18 - 21	-	-	-	647	455	-	1102
				21 - 24	-	-	-	34	147	-	181
				TOTAL	-	-	-	1003	623	-	1626

Contd....

SEAM: XV; Ex-band, Virgin, Contd....

1	2	3	4	5	6	7	8	9	10	11	12
G	TOTAL										
	ASH-WISE										
	15 - 18	-	-	-	-	-	-	322	21	-	343
	18 - 21	-	-	-	-	-	-	829	455	-	1284
H	TOTAL										
	ASH-WISE										
	15 - 18	-	-	-	-	-	-	357	21	-	378
	18 - 21	-	-	-	-	-	-	1053	468	-	1521
TOTAL FOR SECTOR 521,760											
H ± 0 & above 14,080											
22 - 25											
15 - 18											
18 - 21											
TOTAL											
25 - 30											
18 - 21											
TOTAL											
TOTAL											
TOTAL											
15 - 18											
18 - 21											
TOTAL											
TOTAL											
H ± 0 to -100 42,400											
20 - 22											
15											
TOTAL											
TOTAL											

Contd....

SEAM: XV; Ex-band, Virgin, Contd....

1	2	3	4	5	6	7	8	9	10	11	12
H											
			22 - 25								
			15 - 18	15	2	4	11	35	27	-	79
			18 - 21	18	-	-	-	4	27	-	31
				18 - 21	-	-	-	-	222	-	222
			TOTAL		2	4	11	39	276	-	332
			25 - 30								
			15	15	-	1	10	10	-	-	21
			10 - 21	10	-	-	-	28	4	-	32
				10 - 21	-	-	-	9	156	-	165
			TOTAL		-	1	10	47	160	-	210
			TOTAL		2	7	29	72	92	-	202
			ASH-WISE								
			15 - 18	15	-	-	-	32	31	-	63
			18 - 21	18	-	-	-	9	378	-	307
				18 - 21	-	-	-	113	501	-	652
			TOTAL		2	7	29	21	31	11	77
			15 - 18	15	-	-	-	-	7	-	7
			TOTAL		4	4	6	21	30	11	34
			22 - 25		1	-	-	-	-	-	1
			15 - 18	15	-	-	-	-	33	-	33
			10 - 21	10	-	-	-	-	26	-	26
			TOTAL		1	-	-	-	59	-	60

Doctd...

1	2	3	4	5	6	7	8	9	10	11	12
H			25 - 30	L15	2	1	1	-	-	-	4
				TOTAL	2	1	1	-	-	-	4
			TOTAL	L15	7	5	7	21	31	11	82
			ASH-WISE	15 - 10	-	-	-	-	40	-	40
				10 - 21	-	-	-	-	26	-	26
					7	5	7	21	97	11	140
			HORIZON TOTAL								
			-200 to -300 20,640	22 - 25	L15	1	3	2	5	16	35
					15 - 10	-	-	-	5	6	11
				TOTAL	1	3	2	5	21	14	46
			25 - 30	L15	1	1	2	2	2	-	8
					15 - 10	-	-	2	37	-	39
				TOTAL	1	1	2	4	39	-	47
			TOTAL	L15	2	4	4	7	18	8	43
			ASH-WISE	15 - 10	-	-	-	2	42	6	50
					2	4	4	9	60	14	93
			HORIZON TOTAL								

Contd....

SEAM: XV; EX-band, Virgin. Contd....

1	2	3	4	5	6	7	8	9	10	11	12
H	-300 to -400	133,920	22 - 25	15	15	-	-	-	41	716	757
				15 - 10	-	-	-	-	62	127	189
				10 - 21	-	-	-	-	19	-	19
				TOTAL	-	-	-	-	122	843	965
	25 - 30			15 - 10	-	-	-	-	140	10	150
				TOTAL	-	-	-	-	140	10	150
	TOTAL			15	-	-	-	-	41	716	757
	ASH-WISE			15 - 10	-	-	-	-	202	137	339
				10 - 21	-	-	-	-	19	-	19
				TOTAL	-	-	-	-	262	853	1115
	HORIZON TOTAL			15	-	-	-	-	16	487	503
	-400 to -500	132,960	22 - 25	15	-	-	-	-	437	73	510
				15 - 10	-	-	-	-	-	-	-
				TOTAL	-	-	-	-	453	560	1013
	25 - 30			15 - 10	-	-	-	-	2	-	2
				TOTAL	-	-	-	-	2	-	2
	TOTAL			15	-	-	-	-	16	487	503
	ASH-WISE			15 - 10	-	-	-	-	439	73	512
				TOTAL	-	-	-	-	455	560	1015
	HORIZON TOTAL			15	-	-	-	-	16	487	503
				15 - 10	-	-	-	-	439	73	512
				TOTAL	-	-	-	-	455	560	1015

Contd.....

SEAM: XV; Ex-band, Virgin. Contd....

1	2	3	4	5	6	7	8	9	10	11	12
H	-500 to -600	11,040	22 - 25	15 - 18	-	-	-	-	72	-	72
HORIZON TOTAL											
TOTAL				15	11	16	40	100	198	1232	1597
ASH-WISE				15 - 18	-	-	-	34	835	216	1085
				18-21	-	-	-	9	490	-	499
TOTAL FOR SECTOR					11	16	40	143	1523	4430	3171

SEAM: XV; EX-BAND, BARRIER ZONE

1	2	3	4	5	6	7	8	9	10	11	12
A	± 0 & above	44,000	25 - 30	15 - 18	2	7	2	-	-	-	11
				18 - 21	6	3	7	12	-	-	28
				21 - 24	-	2	33	7	-	-	42
TOTAL FOR SECTOR					8	12	42	19	-	-	81
B	to & above		25 - 30	15 - 18	-	-	4	15	8	-	27
TOTAL FOR SECTOR					-	-	4	15	8	-	27
E	to & above		25 - 30	18 - 21	-	-	-	38	-	-	38
TOTAL FOR SECTOR					-	-	-	38	-	-	38

Contd....

SEAM: XV; Ex-band, Barrier Zone. Contd....

1	2	3	4	5	6	7	8	9	10	11	12
F	± 0 & above		22 - 25	18 - 21	1	5	12	10	-	-	28
				21 - 24	3	3	12	33	-	-	51
				TOTAL	4	8	24	43	-	-	79
			25 - 30	18 - 21	-	-	1	8	-	-	9
				TOTAL	-	-	1	8	-	-	9
			TOTAL	18 - 21	1	5	13	18	-	-	37
			ASH-WISE	21 - 24	3	3	12	33	-	-	51
			TOTAL FOR SECTOR -	37,600	4	8	25	51	-	-	80

MADHUBAND UNDERGROUND BLOCK, JHARIA COALFIELD, DIST: DHANBAD, BIHAR
 STATEMENT SHOWING SECTOR-WISE, HORIZON-WISE, THICKNESS-WISE AND ASH-WISE NET PROVED RESERVES
 SEAM : XVI IN-BAND, VIRGIN
 : 169 :
 (Reserves in '000 tonnes)

TABLE: NO. TA/R/D -13 (I)										THICKNESS RANGE (m)									
SECTOR	HORIZON R.L.'s.(m.)	Area (Sq.m.)	Ash Range (%)	0.5-0.9	0.9-1.2	1.2-2.00	2.00-4.00	4.00-6.00	7-6.00	TOTAL									
1	2	3	4	5	6	7	8	9	10	11									
A	± 0 & above	639,680	18 - 21	16	4	--	--	--	--	20									
			21 - 24	44	24	19	--	--	--	87									
			24 - 28	29	38	150	2	--	--	219									
			28 - 35	70	96	344	452	--	--	962									
			7 35	--	7	2	--	--	--	9									
HORIZON TOTAL		639,680	159	169	515	454	--	--	1,297										
± 0 to -100	232,800	21 - 24	--	18	--	--	--	--	--	18									
		24 - 28	--	49	82	--	--	--	131										
		28 - 35	49	108	37	20	--	--	214										
HORIZON TOTAL			49	175	119	20	--	--	363										
-100 to -200	7,680	28 - 35	--	--	--	18	--	--	--	18									
		7 35	--	--	--	5	--	--	5										
HORIZON TOTAL			--	--	--	23	--	--	23										

Contd.....

: 170 :

Seam No. XVI; In-band, Virgin. Contd....

1	2	3	4	5	6	7	8	9	10	11
A			18 - 21	16	4	--	--	--	--	20
			21 - 24	44	42	19	--	--	--	105
			24 - 28	29	87	232	2	--	--	350
			28 - 35	119	204	381	490	--	--	1194
			7 35	--	7	2	5	--	--	14
TOTAL FOR SECTOR		880,160		208	344	634	497	--	--	1,033
B	0 & above	75,200	24 - 28	7	--	--	--	--	--	7
			28 - 35	68	--	--	--	--	--	68
HORIZON TOTAL				75	--	--	--	--	--	75
	+ 0 to -100	253,440	21 - 24	33	--	--	--	--	--	33
			24 - 28	50	--	--	--	--	--	50
			28 - 35	163	5	1	--	--	--	169
HORIZON TOTAL				246	5	1	--	--	--	252

Seam No. XVI; In-band, Virgin. Contd....

1	2	3	4	5	6	7	8	9	10	11
B	-100 to -200	354,080	21 - 24 24 - 28 28 - 35 7 35	1 7 63 --	2 30 80 --	-- -- 143 202	-- -- 4 142	-- -- -- --	-- -- -- --	3 37 290 344
HORIZON TOTAL										
		71		112	345	146				674
	-200 to -300	237,440	28 - 35 7 35	-- --	-- --	1-- 204	7 468	-- --	-- --	7 672
HORIZON TOTAL										
		--	--	--	204	475	--	--	--	679
	-300 to -400	214,560	18 - 21 21 - 24 24 - 28 28 - 35 7 35	-- -- -- --	-- 25 37 --	13 --	-- --	-- --	-- --	13 25 37 209 241
HORIZON TOTAL										
		--	--	--	403	122	--	--	--	525

Contd....

Seam No. XVI; In-band, Virgin. Contd.... : 172 :

1	2	3	4	5	6	7	8	9	10	11
B	-400 to -500	46,560	18 - 21 21 - 24 24 - 28 28 - 35	-- -- -- --	-- -- -- --	48 29 18 5	-- -- -- --	-- -- -- --	-- -- -- --	48 29 18 5
HORIZON TOTAL										
				--	--	100	--	--	--	100
			18 - 21	--	--	61	--	--	--	51
			21 - 24	34	2	54	--	--	--	90
			24 - 28	64	30	55	--	--	--	149
			28 - 35	294	85	321	48	--	--	748
			7 35	--	--	562	695	--	--	1257
TOTAL FOR SECTOR										
		1,181,280		392	117	1,053	743	--	--	2,305
C	-100 to -200	251,840	21 - 24 24 - 28 28 - 35 7 35	2 17 158 7	28 29 2 --	25 22 1 --	-- -- -- --	-- -- -- --	-- -- -- --	55 68 161 7
HORIZON TOTAL										
				184	59	48	--	--	--	291

Contd....

Seam No. XVI; In-band, Virgin. Contd....

: 173 :

1	2	3	4	5	6	7	8	9	10	11
C	-200 to -300	342,720	24 - 28 28 - 35 7 35	-- 25 126	14 36 107	7 31 145	-- -- --	-- -- --	-- -- --	21 92 378
HORIZON TOTAL										
		151		157	183	--	--	--	--	491
	-300 to -400	124,160	28 - 35 7 35	-- 13	17 16	108 100	-- --	-- --	-- --	125 129
HORIZON TOTAL										
		13		33	208	--	--	--	--	254
	-400 to -500	147,840	18 - 21 21 - 24 24 - 28 28 - 35	-- -- -- 17	-- -- 18	25 23 37 33	-- -- -- --	-- -- -- --	-- -- -- --	25 23 37 118
			7 35	23	6	--	--	--	--	29
HORIZON TOTAL										
		40		24	168	--	--	--	--	232

Contd....

Seam No. XVI; In-band, Virgin, Contd....

174 :

1	2	3	4	5	6	7	8	9	10	11
C	-500 to -600	72,960	18 - 21 21 - 24 24 - 28 28 - 35	-- -- -- 44	-- -- -- 20	17 -- -- --	9 15 -- --	-- -- -- --	-- -- -- --	26 15 -- 64
HORIZON TOTAL										
				44	20	17	24	--	--	105
			18 - 21	--	--	42	9	--	--	51
			21 - 24	2	28	48	15	--	--	93
			24 - 28	17	43	66	--	--	--	126
			28 - 35	244	93	223	--	--	--	560
			735	169	129	245	--	--	--	543
TOTAL FOR SECTOR										
		939,520		432	293	624	24	--	--	1,373
D	-100 to -200	14,400	28 - 35	14	--	--	--	--	--	14
HORIZON TOTAL										
				14	--	--	--	--	--	14

Contd....

Seam No. XVI; In-band, Virgin, Contd.

: 177 :

1	2	3	4	5	6	7	8	9	10	11
H	± 0 & above	11,840	15 - 18 18 - 21 21 - 24	-- 3 4	3 1 --	3 -- --	-- -- --	-- -- --	-- -- --	6 4 4
HORIZON TOTAL										
± 0 to -100	98,720	15 - 18 18 - 21 21 - 24 24 - 28 28 - 35	-- 18 3 7 3	5 20 6 8 6	3 11 14 21 13	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	-- -- -- -- --	8 49 23 36 22
HORIZON TOTAL										
-100 to -200	72,320	18 - 21 21 - 24 24 - 28 28 - 35	4 12 13 --	-- 14 21 1	-- 1 19 9	-- -- -- --	-- -- -- --	-- -- -- --	-- -- -- --	4 27 53 10
HORIZON TOTAL										
			31	45	62	--	--	--	--	138
HORIZON TOTAL										
			29	36	29	--	--	--	--	94

Contd...

Seam No. XVI, In-band, Virgin, Contd...

: 178 :

1	2	3	4	5	6	7	8	9	10	11
H	-300 to -400	29,920	21 - 24	2	--	--	--	--	--	2
			24 - 28	14	--	--	--	--	--	14
			28 - 35	7	--	--	--	--	--	7
HORIZON TOTAL				23	--	--	--	--	--	23
	-400 to -500	54,400	24 - 28	23	--	--	--	--	--	23
			28 - 35	19	--	--	--	--	--	19
HORIZON TOTAL				42	--	--	--	--	--	42
	15 - 18			--	8	6	--	--	--	14
	18 - 21			25	21	11	--	--	--	57
	21 - 24			21	20	15	--	--	--	56
	24 - 28			57	29	40	--	--	--	126
	28 - 35			29	7	22	--	--	--	58
TOTAL FOR SECTOR				132	85	94	--	--	--	311

Contd....

Seam No. XVI, In-band, Virgin, Contd...

	1	2	3	4	5	6	7	8	9	10	11
--	---	---	---	---	---	---	---	---	---	----	----

BARRIER ZONE

A	10 & above	85,600	21 - 24	5	--	--	--	--	--	--	5
			24 - 28	5	9	18	7	--	--	--	39
			28 - 35	5	3	17	116	--	--	--	141
			7 35	--	6	14	--	--	--	--	20
TOTAL FOR SECTOR			85,600	15	18	49	123	--	--	--	205

Contd...

Seam No. XVI, In-band, Virgin. Contd....

	1	2	3	4	5	6	7	8	9	10	11
					BARRIER ZONE						
F		+ 0 & above	57,760	28 - 35	--	--	36	139	--	--	175
		HORIZON TOTAL			--	--	36	139	--	--	175
		+ 0 to -100	40,960	28 - 35	--	--	--	147	--	--	147
		HORIZON TOTAL			--	--	--	147	--	--	147
				28 - 35	--	--	36	286	--	--	322
TOTAL FOR SECTOR			98,720		--	--	36	286	--	--	322

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: XVI, EX-BAND, VIRGIN.)

TABLE: NO. TR/R/D - 13 (E)												
SECTOR	HORIZON (No. L's, (m.))	Area (Sq. m.)	V.M. Range (%)	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 - 7.00	7.00 - 8.00	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	
A	± 0 & above	556,430	20 - 22	21 - 24	-	-	1	-	-	-	-	
				24 - 28	17	17	15	-	-	-	-	49
				TOTAL	17	17	16	-	-	-	-	50
			22 - 25	24 - 24	9	10	10	-	-	-	-	29
				24 - 28	45	30	192	365	-	-	-	640
				28 - 35	-	-	116	-	-	-	-	116
				TOTAL	54	40	319	365	-	-	-	785
			25 - 30	18 - 21	19	4	13	-	-	-	-	36
				21 - 24	27	19	63	-	-	-	-	109
				24 - 28	43	13	40	-	-	-	-	96
				28 - 35	4	8	-	-	-	-	-	12
				TOTAL	93	44	116	-	-	-	-	253

Contd.....

SEAM: XVI; Ex-band, Virgin. Contd.... : 182 :

1	2	3	4	5	6	7	8	9	10	11	12
A			TOTAL	10 - 21	19	4	13	-	-	-	36
			ASH-WISE	21 - 24	36	29	74	-	-	-	139
				24 - 20	105	60	247	365	-	-	705
				20 - 35	4	8	116	-	-	-	120
HQA ZIN TOTAL					164	109	450	365	-	-	1,088
	to to -100	227,360	20 - 22	24 - 20	-	3	-	-	-	-	3
			TOTAL		-	3	-	-	-	-	3
			22 - 25	21 - 24	-	8	11	-	-	-	19
				24 - 20	54	72	3	-	-	-	129
				20 - 35	-	16	42	-	-	-	58
			TOTAL		54	96	56	-	-	-	206
			25 - 30	21 - 24	23	30	2	-	-	-	63
				24 - 20	7	14	-	-	-	-	21
				20 - 35	1	8	2	-	-	-	11
			TOTAL		31	60	4	-	-	-	95

Contd....

SEAM: XVI; Ex-band, Virgin. Contd....

	1	2	3	4	5	6	7	8	9	10	11	12
A												
TOTAL					21 - 24	23	46	13	-	-	-	82
ASH-WISE					24 - 28	61	89	3	-	-	-	153
					28 - 35	1	24	44	-	-	-	69
HORIZON TOTAL						05	159	60	-	-	-	304
-100 to -200		7,600		22 - 25	24 - 28	3	-	-	-	-	-	3
					28 - 35	-	6	-	-	-	-	6
HORIZON TOTAL						3	6	-	-	-	-	9
TOTAL					18 - 21	19	4	13	-	-	-	36
ASH-WISE					21 - 24	59	75	87	-	-	-	221
					24 - 28	169	157	250	365	-	-	941
					28 - 35	5	30	160	-	-	-	203
TOTAL FOR SECTOR		235,840				252	274	510	365	-	-	1,401
B												
± 0 & above		20,160		25 - 30	24 - 28	8	-	-	-	-	-	8
					28 - 35	12	-	-	-	-	-	12
HORIZON TOTAL						20	-	-	-	-	-	20
± 0 to -100		229,120		22 - 25	21 - 24	104	-	-	-	-	-	104
					24 - 28	24	2	-	-	-	-	26
TOTAL						128	2	-	-	-	-	130

Contd.....

SEAM: XVI; Ex-band, Virgin. Contd....

1	2	3	4	5	6	7	0	9	10	11	12
B	+ 0 to -100	229,120	25 - 30	24 - 20	24	-	-	-	-	-	24
				20 - 35	70	-	-	-	-	-	70
	TOTAL				94	-	-	-	-	-	94
	21 - 24				104	-	-	-	-	-	104
	24 - 20				48	2	-	-	-	-	50
	20 - 35				70	-	-	-	-	-	70
	HORIZON TOTAL				222	2	-	-	-	-	224
	-100-to -200	279,520	22 - 25	21 - 24	53	114	31	-	-	-	190
				24 - 20	61	23	-	-	-	-	84
				20 - 35	11	3	-	-	-	-	14
	TOTAL				125	140	31	-	-	-	296
	24 - 20				27	5	-	-	-	-	32
	25 - 30										
	TOTAL				27	5	-	-	-	-	32
	TOTAL				53	114	31	-	-	-	190
	ASH-WISE				80	20	-	-	-	-	116
	20 - 35				11	3	-	-	-	-	14
	HORIZON TOTAL				152	145	31	-	-	-	328

Contd....

SEM: XVI; Ex-band, Virgin. Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
B	-200 to -300	237,440	L 20	20 - 35	-	-	9	-	-	-	9
				TOTAL	-	-	9	-	-	-	9
			20 - 22	20 - 35	-	-	104	-	-	-	104
				TOTAL	-	-	104	-	-	-	104
			22 - 25	21 - 24	-	0	21	-	-	-	29
				24 - 20	1	1	16	-	-	-	31
				20 - 35	32	7	03	-	-	-	105
				TOTAL	33	92	120	-	-	-	245
			TOTAL	21 - 24	-	0	21	-	-	-	29
			ASH-WISE	24 - 20	1	14	16	-	-	-	31
				20 - 35	32	70	276	-	-	-	370
			HORIZON TOTAL		33	92	313	-	-	-	430
			-300 to -400	L 20	21 - 24	-	14	-	-	-	14
					24 - 20	-	62	-	-	-	63
					20 - 35	-	94	-	-	-	94
				TOTAL	-	1	170	-	-	-	171

Contd.....

SEAM: XVI; Ex-band; Virgin. contd....

SE/IN: XVI; EX-DATA; VIRGINIA; COND...	1	2	3	4	5	6	7	8	9	10	11	12
B	-300 to -400	20 - 22	10 - 21	-	-	14	-	-	-	-	-	14
		21 - 24	21 - 24	-	-	41	-	-	-	-	-	41
		24 - 28	24 - 28	-	-	31	-	-	-	-	-	31
		28 - 35	28 - 35	-	-	209	-	-	-	-	-	209
		TOTAL	TOTAL	-	-	295	-	-	-	-	-	295
	22 - 25	15 - 18	15 - 18	-	-	6	-	-	-	-	-	6
		18 - 21	18 - 21	-	-	15	-	-	-	-	-	15
		TOTAL	TOTAL	-	-	21	-	-	-	-	-	21
	TOTAL	15 - 18	15 - 18	-	-	6	-	-	-	-	-	6
	ASH-WISE	18 - 21	18 - 21	-	-	29	-	-	-	-	-	29
		21 - 24	21 - 24	-	-	55	-	-	-	-	-	55
		24 - 28	24 - 28	-	-	93	1	-	-	-	-	93
		28 - 35	28 - 35	-	-	303	-	-	-	-	-	303
	HORIZON TOTAL			-	-	406	1	-	-	-	-	407
	-400 to -500	46,560	46,560	20	21 - 24	-	1	-	-	-	-	7
		TOTAL	TOTAL	-	-	6	1	-	-	-	-	7

contd...

SEAM: XVI; Ex-band, Virgin. Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
B			20 - 22	15 - 10	-	-	3	-	-	-	3
			10 - 21	-	-	-	19	-	-	-	19
			21 - 24	-	-	-	5	-	-	-	5
			TOTAL	-	-	-	27	-	-	-	27
		22 - 25	15 - 10	-	-	-	51	-	-	-	51
			TOTAL	-	-	-	51	-	-	-	51
			TOTAL	15 - 10	-	-	54	-	-	-	54
			ASH-WISE	10 - 21	-	-	19	-	-	-	19
			21 - 24	-	-	1	11	-	-	-	12
			MINIMUM TOTAL	-	-	1	04	-	-	-	05
			TOTAL	15 - 10	-	-	60	-	-	-	60
			ASH-WISE	10 - 21	-	-	40	-	-	-	48
			21 - 24	157	-	123	110	-	-	-	390
			24 - 28	145	-	45	109	-	-	-	299
			20 - 35	125	-	73	579	-	-	-	777
			TOTAL FOR SECTOR	1,027,360	427	241	914	-	-	-	1,502

Contd.....

SEAM: XVI; Ex-band, Virgin. Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
C	-100 to -200	111,040	20 - 22	21 - 24	4	33	33	-	-	-	70
			24 - 28	4	4	-	-	-	-	-	4
			TOTAL	8	33	33	-	-	-	-	74
	22 - 25		21 - 24	2	13	13	-	-	-	-	28
			24 - 28	27	-	-	-	-	-	-	27
			28 - 35	6	-	-	-	-	-	-	6
			TOTAL	35	13	13	-	-	-	-	61
	25 - 30		20 - 35	5	-	-	-	-	-	-	5
			TOTAL	5	-	-	-	-	-	-	5
	TOTAL		21 - 24	6	46	46	-	-	-	-	98
	ASH-WISE		24 - 28	31	-	-	-	-	-	-	31
			28 - 35	11	-	-	-	-	-	-	11
			HORIZON TOTAL	48	46	46	-	-	-	-	140
	-200 to -300	256,000	20 - 22	21 - 24	109	51	-	-	-	-	160
			24 - 28	5	19	19	-	-	-	-	26
			28 - 35	-	-	-	-	-	-	-	11
			TOTAL	114	70	70	-	-	-	-	197

Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
C			22 - 25	21 - 24	0	92	4	-	-	-	104
			24 - 20	-	-	3	5	-	-	-	8
			28 - 35	-	-	-	1	-	-	-	1
			TOTAL	0	95	10	-	-	-	-	113
			TOTAL	21 - 24	117	143	4	-	-	-	264
			ASH-WISE	24 - 20	5	22	7	-	-	-	34
				20 - 35	-	-	12	-	-	-	12
			HORIZON TOTAL		122	165	23	-	-	-	310
		300 to 400	116,000	24 - 20	0	39	-	-	-	-	47
			20 - 35	-	-	6	2	-	-	-	8
			TOTAL	0	45	2	-	-	-	-	55
			20 - 22	21 - 24	16	-	-	-	-	-	16
				24 - 20	6	56	-	-	-	-	62
				20 - 35	-	10	16	-	-	-	26
			TOTAL	22	66	16	-	-	-	-	104
			TOTAL	21 - 24	16	-	-	-	-	-	16
			ASH-WISE	24 - 20	14	95	-	-	-	-	109
				20 - 35	-	16	10	-	-	-	34
			HORIZON TOTAL		30	111	10	-	-	-	159

SEAM: XVI; Ex-band, Virgin. Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
C	-400 to -500	128,320	L 20	21 - 24	-	9	-	-	-	-	9
				24 - 28	20	27	-	-	-	-	47
				TOTAL	20	36	-	-	-	-	56
			20 - 22	18 - 21	-	1	17	-	-	-	18
				21 - 24	1	30	3	-	-	-	34
				24 - 28	9	8	-	-	-	-	17
				TOTAL	10	39	20	-	-	-	69
			22 - 25	15 - 18	-	-	33	-	-	-	33
				18 - 21	-	1	20	-	-	-	21
				21 - 24	-	2	-	-	-	-	2
				TOTAL	-	3	53	-	-	-	56
			TOTAL	15 - 18	-	-	33	-	-	-	33
			ASH-WISE	18 - 21	-	2	37	-	-	-	39
				21 - 24	1	41	3	-	-	-	45
				24 - 28	29	35	-	-	-	-	64
					30	78	73	-	-	-	181
			HORIZON TOTAL								

Contd.....

SEAM: XVI; EX-band, Virgin. Contd....

: 191 :

	1	2	3	4	5	6	7	8	9	10	11	12
C												
-500 to -600 72,960												
				L 20	24 - 28	21	-	-	-	-	-	21
					TOTAL	21	-	-	-	-	-	21
				20 - 22	24 - 28	27	6	-	-	-	-	33
					TOTAL	27	6	-	-	-	-	33
				22 - 25	15 - 18	-	-	29	-	-	-	29
					18 - 21	-	-	-	-	-	-	-
					21 - 24	-	-	-	-	-	-	-
					24 - 28	1	-	-	-	-	-	1
					TOTAL	1	-	29	-	-	-	30
					15 - 18	-	-	29	-	-	-	29
					18 - 21	-	-	-	-	-	-	-
					21 - 24	-	-	-	-	-	-	-
					24 - 28	49	6	-	-	-	-	55
					TOTAL	49	6	-	-	-	-	84
				HORIZON TOTAL								
					15 - 18	-	-	62	-	-	-	62
					18 - 21	-	2	37	-	-	-	39
					21 - 24	140	230	53	-	-	-	423
					24 - 28	128	158	7	-	-	-	293
					28 - 35	11	16	30	-	-	-	57
					TOTAL FOR SECTOR	279	406	189	-	-	-	874

Contd.....

SEAM: XVI; Ex-band, Virgin.Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
D	-100 to -200	8,320	22 - 25	28 - 35	6	-	-	-	-	-	6
	HORIZON TOTAL				6						6
	200 to -300	5,920	22 - 25	28 - 35	5	-	-	-	-	-	5
	HOF ZON TOTAL				5						
	TOTAL	28 - 35			11						11
	ASH-WISE										
	TOTAL FOR SECTOR	14,240			11						11
E	0 & above	20 - 22	24 - 28	-	-	17	-	-	-	-	17
	TOTAL FOR SECTOR	6,720			-	17					17
F	0 & above	495,840	20 - 22	21 - 24	-	13	-	-	-	-	13
				24 - 28	-	144	169				313
				TOTAL	-	157	169				326
	22 - 25			21 - 24	-	7	-	-	-	-	7
				24 - 28	-	124	82				206
				28 - 35	-	24	-	-	-	-	24
				TOTAL	-	155	82				237

Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
F			25 - 30	21 - 24	-	24	58	13	-	-	95
				24 - 28	-	7	112	469	-	-	588
				28 - 35	-	..	68	157	-	-	225
				TOTAL	-	31	238	639	-	-	908
			TOTAL	21 - 24	-	24	78	13	-	-	115
			ASH-WISE	24 - 28	-	7	360	720	-	-	1,107
				28 - 35	-	-	92	157	-	-	249
			HORIZON TOTAL	TOTAL	-	31	550	890	-	-	1,471
G		± 0 to -100	40,960	20	24 - 28	-	-	3	-	-	6
				28 - 35	-	-	-	2	-	-	2
				TOTAL	-	-	3	5	-	-	8
			20 - 22	24 - 28	-	-	4	24	-	-	28
				28 - 35	-	-	-	7	-	-	7
				TOTAL	-	-	4	31	-	-	35
			22 - 25	24 - 28	-	-	-	56	-	-	56
				28 - 35	-	-	-	11	-	-	11
				TOTAL	-	-	-	67	-	-	67

Contd.....

SEAM: XVI; Ex-band, Virgin, Contd.....

: 194 :

1	2	3	4	5	6	7	8	9	10	11	12
F	+ 0 to -100	40,960	25 - 30	24 - 28	-	-	-	31	-	-	31
	TOTAL				-	-	-	31	-	-	31
	TOTAL			24 - 28	-	-	7	114	-	-	121
	ASH-WISE			26 - 35	-	-	-	20	-	-	20
	HORIZON TOTAL				-	-	7	134	-	-	141
	TOTAL	21 - 24			-	24	78	13	-	-	115
	ASH-WISE	24 - 28			-	7	387	834	-	-	1228
		28 - 35			-	-	92	177	-	-	269
TOTAL FOR SECTOR		536,800			-	31	557	1,024	-	-	1612
G	+ 0 to -100	274,720	22 - 25	24 - 28	-	-	6	22	-	-	28
				28 - 35	-	-	67	114	-	-	181
	TOTAL				-	-	73	136	-	-	209
	25 - 30			21 - 24	-	4	-	-	-	-	4
				24 - 28	-	21	81	17	-	-	119
				28 - 35	-	-	183	196	-	-	379
	TOTAL				-	25	264	213	-	-	502

Contd.....

SEAM: XVI; Ex-band, Virgin, Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
G	± 0 to -100	274,720	TOTAL	21 - 24	-	4	-	-	-	-	4
			ASH-WISE	24 - 28	-	21	87	39	-	-	147
				28 - 35	-	-	250	310	-	-	560
					-	25	337	349	-	-	711
			HORIZON TOTAL								
	-100 to -200	256,320	20 - 22	28 - 35	-	2	7	3	-	-	12
				TOTAL	-	2	7	3	-	-	12
			22 - 25	21 - 24	14	10	44	-	-	-	76
				24 - 28	33	31	69	-	-	-	133
				28 - 35	12	30	97	39	-	-	106
				TOTAL	59	87	210	39	-	-	395
			25 - 30	24 - 28	-	-	3	-	-	-	3
				20 - 35	-	-	57	-	-	-	57
				TOTAL	-	-	60	-	-	-	60

Contd.....

SEAM: XVI; EX-band, Virgin. Contd....

1	2	3	4	5	6	7	8	9	10	11	12
G	-100 to -200		TOTAL	21 - 24	14	18	44	-	-	-	76
			ASH-WISE	24 - 28	33	31	72	-	-	-	136
				28 - 35	12	40	161	42	-	-	255
	HORIZON TOTAL				59	89	277	42	-	-	467
				21 - 24	14	22	44	-	-	-	8
				24 - 28	33	52	159	39	-	-	283
				28 - 35	12	40	411	352	-	-	815
	TOTAL FOR SECTOR	531,040			59	114	614	391	-	-	,170
H	± 0 and above	11,040	22 - 25	15 - 18	4	2	5	-	-	-	11
				18 - 21	2	-	-	-	-	-	2
	HORIZON TOTAL				6	2	5	-	-	-	13
	± 0 to -100	60,640	22 - 25	15 - 18	9	5	10	-	-	-	24
				18 - 21	26	19	-	-	-	-	45
	HORIZON TOTAL				35	24	10	-	-	-	69

Contd....

SEAM: XVI; Ex-band, Virgin. Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
H	-100 to -200	9,600	22 - 25	18 - 21	9	-	-	-	-	-	9
HORIZON TOTAL											
	-300 to -400	29,920	22 - 25	24 - 28	24	-	-	-	-	-	24
HORIZON TOTAL											
	-400 to -500	43,200	22 - 25	24 - 28	35	-	-	-	-	-	35
HORIZON TOTAL											
					35	-	-	-	-	-	35
TOTAL											
				15 - 18	13	7	15	-	-	-	35
ASH-WISE											
				18 - 21	37	19	-	-	-	-	56
				21 - 24	-	-	-	-	-	-	-
				24 - 28	59	-	-	-	-	-	59
TOTAL FOR SECTOR											
		155,200			109	26	15	-	-	-	150

SEAM: XVI; EX-BAND, BARRIER ZONE

	1	2	3	4	5	6	7	8	9	10	11	12
1												
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99												
100												
TOTAL FOR SECTOR			57,760				30	36	61			127

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

TABLE: NO. TA/R/D - 14 (I)

(Reserves in '000 tonnes)

SECTOR	Horizon (H.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	7.6.00 - 10	10 - 11			
A	± 0 & above	403,040	15 - 10	-	-	-	90	-	-	-	-	90	-	90
			10 - 21	5	0	30	177	-	-	-	-	220	-	220
			21 - 24	5	5	45	323	-	-	-	-	370	-	370
			24 - 20	2	3	65	337	-	-	-	-	407	-	407
			20 - 35	9	40	109	124	-	-	-	-	202	-	202
			7 35	11	24	20	-	-	-	-	-	55	-	55
	HORIZON TOTAL			32	80	269	1,051	-	-	-	-	1,432	-	1,432
± 0 to -100		200,100	15 - 10	-	-	2	107	-	-	-	-	109	-	109
			10 - 21	-	-	37	40	-	-	-	-	77	-	77
			21 - 24	-	-	54	37	-	-	-	-	91	-	91
			24 - 20	-	-	90	36	-	-	-	-	126	-	126
			20 - 35	-	29	67	35	-	-	-	-	131	-	131
HORIZON TOTAL				-	29	250	255	-	-	-	-	534	-	534
-100 to -200		6,000	10 - 21	-	-	3	-	-	-	-	-	3	-	3
			21 - 24	-	-	0	-	-	-	-	-	0	-	0
			24 - 20	-	-	2	-	-	-	-	-	2	-	2
HORIZON TOTAL				-	-	13	-	-	-	-	-	13	-	13

Contd....

SEAM: XVI A/AB (In-band, Virgin Contd.....)

: 201 :

SEAM: XVI A/AB (In-band, Virgin Contd.....)										
1	2	3	4	5	6	7	8	9	10	11
A		TOTAL	15 - 10	-	-	2	197	-	-	199
		ASH-WISE	10 - 21	5	0	70	217	-	-	300
			21 - 24	5	5	107	360	-	-	477
			24 - 28	2	3	157	373	-	-	535
			20 - 35	9	69	176	159	-	-	413
			7 35	11	24	20	-	-	-	55
TOTAL FOR SECTOR			690,000	32	109	532	1,306	-	-	1,979

SEAM: XVI A/AB (IN-BAND, DEVELOPED)

1	2	3	4	5	6	7	8	9	10	11
A	± 0.5 above	TOTAL	15 - 10	-	-	-	6	-	-	6
		ASH-WISE	10 - 21	-	-	-	105	-	-	105
			21 - 24	-	-	-	179	-	-	179
			24 - 28	-	-	-	161	-	-	161
			28 - 35	-	-	-	38	-	-	38
TOTAL FOR SECTOR		184,800	-	-	-	-	489	-	-	489

Contd.....

SEAM: XVI A/AB (In-band. Contd....)

BARRIER ZONE (DEVELOPED)

1	2	3	4	5	6	7	8	9	10	11
A	± 0 & above	TOTAL	21 - 24	-	-	-	19	-	-	19
		Ash-wise	24 - 28	-	-	-	25	-	-	25
			28 - 35	-	-	-	1	-	-	1
TOTAL FOR SECTOR		19,520		-	-	-	45	-	-	45
A	± 0 & above	TOTAL	21 - 24	2	4	<u>VIRGIN</u> 8	55	-	-	59
		ASH-WISE	24 - 28	-	-	-	14	-	-	14
			28 - 35	-	-	-	45	-	-	45
TOTAL FOR SECTOR		45,600		2	4	8	114	-	-	128
B	± 0 & above	TOTAL	7 35	2	<u>BARRIER</u> 4	<u>VIRGIN</u> 10	1	-	-	17
		ASH-WISE								
TOTAL FOR SECTOR		8,320		2	4	10	1	-	-	17
SEAM: XVI A/AB (In-band, Virgin Contd....)										
1	2	3	4	5	6	7	8	9	10	11
B	± 0 & above	164,400	24 - 20	3	3	9	57	-	-	72
			28 - 35	9	3	35	03	-	-	133
			7 35	15	28	112	59	-	-	214
HORIZON TOTAL				27	37	156	199	-	-	419

Contd.....

SEAM: XVI A/AB (In-band, Virgin Contd.....)

1	2	3	4	5	6	7	8	9	10	11
B	± 0 to -100	380,160	15 - 10 18 - 21 21 - 24 24 - 28 28 - 35	- - - - -	- - - - 0	- 2 25 21 50	45 82 81 308 714	- - - - -	- - - - -	45 84 106 329 772 3
			7 35	-	3	-	-	-	-	1,339
HORIZON TOTAL										
				-	11	98	1,230	-	-	11
-100 to -200	344,000	21 - 24 24 - 20 20 - 35	- - -	-	1	10 63 209	- - 8	- - -	- - -	63 227 686
		7 35	-	-	13	198	875	-	-	907
HORIZON TOTAL										
			-	-	24	400	403	-	-	5
-200 to -300	223,200	21 - 24 24 - 20 20 - 35	3 5 9	2 3 18	- 5 47	- - 577	- - -	- - -	- - -	13 74 638
		7 35	-	-	-	61	577	-	-	730
HORIZON TOTAL										
			17	23	113	577	-	-	-	730

Contd.....

SEAM: XVI A/AB (In-band, Virgin. Contd.....)

1	2	3	4	5	6	7	8	9	10	11
B	-300 to -400	235,360	21 - 24	15	3	-	-	-	-	10
	24 - 20			05	59	-	-	-	-	144
	20 - 35			6	22	70	-	-	-	106
	7 35			-	-	33	61	-	-	100
HORIZON TOTAL				106	84	117	61	-	-	358
	-400 to -500	3,520	24 - 20	1	4	-	-	-	-	5
HORIZON TOTAL				1	4	-	-	-	-	5
TOTAL				-	-	-	45	-	-	45
ASH-WISE				10	6	2	82	-	-	108
	21 - 24			94	69	35	01	-	-	279
	24 - 20			24	64	90	365	-	-	551
	20 - 35			15	44	419	005	-	-	1,283
	7 35			-	-	410	1,172	-	-	1,502
TOTAL FOR SECTOR				151	183	964	2,550	-	-	3,840
C	± 0 to -100	20,800	24 - 20	-	-	6	50	3	-	67
	20 - 35			-	-	-	50	-	-	50
HORIZON TOTAL				-	-	6	100	3	-	117

SEAM: XVI A/AB (In-band, Virgin. Contd.....)

: 205 :

1	2	3	4	5	6	7	8	9	10	11
C	-100 to - 200	308,160	24 - 20 20 - 35	16 -	34 -	187 91	376 0	6 -	-	619 99
			7 35	-	-	120	-	-	-	120
HORIZON TOTAL										
		16	34	390	304	6	-	-	-	838
-200 to -300	359,520	21 - 24 24 - 20 20 - 35	- ++ -	- 1 -	3 22 16	- 9 93	- -	- -	- -	3 32 109
		7 35	-	270	025	-	-	-	-	1,075
HORIZON TOTAL										
		++	1	311	927	-	-	-	-	1,239
-300 to -400	160,000	24 - 20 20 - 35	- -	18 6	1 150	- -	- -	- -	- -	19 156
		7 35	-	40	246	-	-	-	-	294
HORIZON TOTAL										
		-	24	199	246	-	-	-	-	469

Note: ++ Negligible

Contd....

Seam: XVI A/AB (In-band, Virgin Contd.....)

1	2	3	4	5	6	7	8	9	10	11
C	-400 to -500	192,640	24 - 28	29	105	-	-	-	-	134
			20 - 35	-	4	44	-	-	-	48
			7 35	-	-	24	240	-	-	264
	HORIZON TOTAL			29	109	68	240	-	-	446
	-500 to -600	56,960	24 - 28	-	2	-	-	-	-	2
			20 - 35	-	11	80	-	-	-	99
			7 35	-	-	17	12	-	-	29
	HORIZON TOTAL			-	13	105	12	-	-	130
	TOTAL		21 - 24	-	-	3	-	-	-	3
	ASH-WISE		24 - 28	45	160	216	443	9	-	873
			20 - 35	-	21	339	151	-	-	561
			7 35	-	-	479	1,323	-	-	1,002
	TOTAL FOR SECTOR	1,106,800		45	181	1,007	1,917	9	-	3,239
D	-100 to -200	10,240	24 - 28	8	10	6	-	-	-	24
	HORIZON TOTAL			8	10	6	-	-	-	24

Contd.....

SEAM: XVI A/B (In-band, Virgin, Cont....)

: 207 :

1	2	3	4	5	6	7	8	9	10	11
0	-200 to -300	61,440	21 - 24	-	20	40	133	-	-	201
			24 - 20	95	49	66	149	-	-	359
HORIZON TOTAL										
				95	69	114	202	-	-	560 ✓
-300 to -400	136,640	21 - 24	-	-	5	2	-	-	-	7
		24 - 20	4	-	1	9	28	-	-	42
		20 - 35	-	-	-	-	146	-	-	146
		7 35	-	-	-	-	305	-	-	305
HORIZON TOTAL										
			4	-	6	11	559	-	-	600 ✓
-400 to -500	97,920	7 35	-	-	-	-	429	-	-	429
HORIZON TOTAL										
			-	-	-	-	429	-	-	429 ✓
-500 to -600	104,160	7 35	-	-	-	372	3	-	-	375
HORIZON TOTAL										
			-	-	-	372	3	-	-	375 ✓
-600 to -700	29,440	20 - 35	-	-	-	1	-	-	-	1
		7 35	-	-	-	19	75	-	-	94
HORIZON TOTAL										
			-	-	-	20	75	-	-	95 ✓

Cont'd....

SEAM: XVI A/AB (In-band, Virgin, Contd.....)

1	2	3	4	5	6	7	8	9	10	11
			21 - 24	-	25	50	133	-	-	208
			24 - 28	107	60	81	177	-	-	425
			28 - 35	-	-	1	146	-	-	
			<u>735</u>	-	-	391	892	-	-	1,285
				107	85	323	1,340	-	-	2,053
			24 - 28	3	-	-	-	-	-	3
			28 - 35	57	127	15	-	-	-	199
			<u>735</u>	58	127	214	51	-	-	450
				118	254	229	51	-	-	652
			24 - 28	1	-	-	-	-	-	1
			28 - 35	19	-	-	-	-	-	19
			<u>735</u>	1	-	-	-	-	-	1
				21	-	-	-	-	-	21
			24 - 28	4	-	-	-	-	-	4
			28 - 35	76	127	15	-	-	-	218
			<u>735</u>	59	127	214	51	-	-	451
				139	254	229	51	-	-	673

Contd.....

SEAM: XVI A/AB (In-band, Virgin-Contd....)

1	2	3	4	5	6	7	8	9	10	11
G	TOTAL			21 - 24	44	36	-	-	-	80
	ASH-WISE			24 - 28	60	39	-	-	-	99
				28 - 35	152	82	54	-	-	233
				7 35	45	-	-	-	-	45
TOTAL FOR SECTION				443,840	301	157	54	-	-	512
H	± 0 & above			148,800	15 - 18	-	-	25	55	81
					18 - 21	1	2	34	79	167
					21 - 24	-	-	56	404	591
						1	2	115	538	951
HORIZON TOTAL										
± 0 to -100				93,920	15 - 18	-	3	10	65	186
					18 - 21	2	3	3	4	88
					21 - 24	4	3	3	1	4
										45
HORIZON TOTAL										
-100 to -200				87,640	15 - 18	-	-	11	51	62
					18 - 21	-	-	27	27	54
					21 - 24	3	4	13	5	77
					24 - 28	-	1	7	38	46
				28 - 35	-	-	4	01	-	05
				7 35	-	-	-	26	-	26
HORIZON TOTAL										
HORIZON TOTAL										

Contd....

: 210 :

SEAM: XVI A/AB (In-band,			Contd.....)		BARRIER ZONE VIRGIN						
1	2	3	4	5	6	7	8	9	10	11	
F	± 0 & above	TOTAL	28 - 35	9	35	22	-	-	-	66	
ASH-WISE											
TOTAL FOR S OR		43,200		9	35	22	-	-	-	✓	
G	± 0 & above	23,520	28 - 35	3	20	12	-	-	-	35	
HORIZON TOTAL				3	20	12	-	-	-	15	
± 1 to -100		335,840	21 - 24	5	8	-	-	-	-	13	
			24 - 28	45	39	-	-	-	-	84	
			28 - 35	142	62	42	-	-	-	246	
			7 35	45	-	-	-	-	-	45	
HORIZON TOTAL				237	109	42	-	-	-	388	
-100 to -200		84,480	21 - 24	39	28	-	-	-	-	17	
			24 - 28	15	-	-	-	-	-	15	
			28 - 35	7	-	-	-	-	-	7	
HORIZON TOTAL				61	28	-	-	-	-	89	

contd....

SEAM: XVI A/AB (In-band, Virgin Contd...)

: 211 :

1	2	3	4	5	6	7	8	9	10	11
H	-200 to -500	147,520	18 - 21 21 - 24 24 - 20 20 - 35 7 35	-	-	-	-	19 317 119 107 38	-	19 317 3 107 33
HORIZON TOTAL										
	-300 to -400	116,400	24 - 20	-	-	-	243	330	-	573 ✓
HORIZON TOTAL										
	-400 to -500	27,040	24 - 20	-	-	-	01	43	-	124 ✓
HORIZON TOTAL										
	TOTAL	15 - 10	-	-	3	10	101	292	-	406
	ASH-WISE	10 - 21	3	5	9	65	213	201	496	
		21 - 24	7	7	20	109	730	171	1,044	
		24 - 20	-	1	7	547	492	-	1,047	
		20 - 35	-	-	4	100	-	-	102	
		7 35	-	-	-	64	-	-	64	
TOTAL FOR SECTOR										
		10	16	50	1,074	1,727	372	3,249		

MADHUBAND UNDERGROUND BLOCK, JHARIA COALFIELD, DIST: DHANBAD, BIHAR.
STATEMENT SHOWING SECTOR-WISE, HORIZON-WISE, THICKNESS-WISE, ASH-WISE AND V.M.U. WISE NET PROVED RESERVES
(SEAM: XVI A/AB, (EX-BAND, VIRGIN))

TABLE : NO. TA/R/D - 14 (E)

TABLE : NO. TA/R/D - 14 (E)																						
SECTOR		H. zon R.L. S(m.)		Area (Sq.m.)		V.M. Range (%)		Ash Range (%)		(Reserves in '000 tonnes)							Remarks					
										Thickness Range (m.)												
1	2	3	4	5	6	7	8	9	10	11	12											
A	± 0 & above 472,800										20 - 22	24 - 28	8	6	0.9 - 1.2	1.2 - 2.00	2.00 - 4.00	4.00 - 6.00	7	6.00	57	
											28 - 35	12	8	20	3	-	-	-	-	43		
	TOTAL										20	14	40	26	-	-	-	-	100			
	22 - 25										15 - 18	-	20	-	-	-	-	-	20			
											18 - 21	-	49	-	-	-	-	-	49			
											21 - 24	-	59	-	-	-	-	-	84			
											24 - 28	18	54	56	-	-	-	-	175			
											28 - 35	42	-	-	-	-	-	-	42			
	TOTAL										60	72	182	56	-	-	-	-	370			
	25 - 30										15 - 18	-	-	32	-	-	-	-	32			
										18 - 21	22	125	37	-	-	-	-	201				
										21 - 24	5	111	39	-	-	-	-	168				
										24 - 28	-	14	-	-	-	-	-	16				
TOTAL										27	32	250	108	-	-	-	-	417				

Contd.....

SEAM : XVI A/AB (Contd...)

: 213 :

1	2	3	4	5	6	7	8	9	10	11	12
A			TOTAL	15 - 18	-	-	20	32	-	-	52
			ASH-WISE	18 - 21	22	17	174	37	-	-	250
				21 - 24	5	38	170	39	-	-	252
				24 - 28	26	55	88	79	-	-	248
				28 - 35	54	8	20	3	-	-	85
			HORIZON TOTAL		107	118	472	190	-	-	887
		± 0 to -100 208,160	20	21 - 24	-	++	-	-	-	-	++
			TOTAL	-	-	++	-	-	-	-	++
			20 - 22	18 - 21	-	3	4	-	-	-	7
				21 - 24	-	2	2	-	-	-	4
			TOTAL	-	5	6	-	-	-	11	
	± 0 to -100	22 - 25	18 - 21	2	1	11	-	-	-	14	
			21 - 24	2	7	12	-	-	-	21	
			24 - 28	8	3	1	-	-	-	12	
			28 - 35	1	-	-	-	-	-	1	
			TOTAL	13	11	24	-	-	-	48	

Contd.....

: 214 :

SEAM: XVI A/AB.

1	2	3	4	5	6	7	8	9	10	11	12
A	± 0 to -100		25 - 30	15	-	-	-	64	-	-	64
			15 - 18	-	-	-	13	115	-	-	128
			18 - 21	10	9	9	52	14	-	-	95
			21 - 24	13	5	5	13	2	-	-	33
			24 - 28	21	3	3	1	-	-	-	25
			TOTAL	44	17	17	89	195	-	-	345
	TOTAL		15	-	-	-	-	64	-	-	64
	ASH-WISE		15 - 18	-	-	-	13	115	-	-	128
			18 - 21	12	13	13	77	14	-	-	116
			21 - 24	15	14	14	27	2	-	-	58
			24 - 28	29	6	6	2	-	-	-	37
			28 - 35	1	-	-	-	-	-	-	1
	HORIZON TOTAL			57	33	33	119	195	-	-	404
	-100 to -200	6,080	20	21 - 24	-	6	-	-	-	-	6
			TOTAL	-	6	6	-	-	-	-	6
	20 - 22		21 - 24	-	3	3	-	-	-	-	3
			TOTAL	-	3	3	-	-	-	-	3
	TOTAL		21 - 24	-	9	9	-	-	-	-	9
	ASH-WISE			-	-	-	-	-	-	-	-
	- HORIZON TOTAL			-	9	9	-	-	-	-	9

Contd....

SEAM: XVI A/AB

1	2	3	4	5	6	7	8	9	10	11	12
TOTAL				/15	-	-	-	64	-	-	64
ASH-WISE				15 - 18	-	-	33	147	-	-	180
				18 - 21	34	30	251	51	-	-	366
				21 - 24	20	61	197	41	-	-	319
				24 - 28	55	61	90	79	-	-	295
				28 - 35	55	8	20	3	-	-	86
TOTAL FOR SECTOR					687,040	164	160	591	305	-	1,300

SEAM: XVI A/AB, (EX-BAND, DEVELOPED)

1	2	3	4	5	6	7	8	9	10	11	12
TOTAL				-	-	-	-	3	-	-	3
22 - 25				10 - 21	-	-	1	-	-	-	1
				21 - 24	-	-	19	6	-	-	25
				24 - 28	-	-	1	106	-	-	107
TOTAL					-	-	21	112	-	-	133

A ± 0 & above 184,000

20 - 22

24 - 28

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SEAM : A/AB (Contd.....)

1	2	3	4	5	6	7	8	9	10	11	12
A	± 0 & above		25 - 30	10 - 21	-	3	45	42	-	-	90
			21 - 24	-	-	-	21	102	-	-	203
			24 - 20	-	-	-	-	14	-	-	14
			TOTAL	-	-	3	66	230	-	-	307
			TOTAL	10 - 21	-	3	46	42	-	-	91
			ASH-WISE	21 - 24	-	-	40	180	-	-	220
			24 - 20	-	-	-	1	123	-	-	124
			TOTAL FOR SECTOR	184,800	-	3	87	353	-	-	443

SEAM : XVI A/AB, (EX-BAND, BARRIER ZONE, VIRGIN)

1	2	3	4	5	6	7	8	9	10	11	12
A	± 0 and above		20 - 22	24 - 20	-	-	-	14	-	-	14
			20 - 35	-	-	-	9	10	-	-	27
			TOTAL	-	-	-	9	32	-	-	41
			22 - 25	10 - 21	1	-	-	-	-	-	1
			21 - 24	-	-	-	-	-	-	-	-
			24 - 20	-	-	-	-	33	-	-	33
			TOTAL	1	-	-	-	33	-	-	34

Contd.....

SEAM: XVI A/AB (Contd....)

1	2	3	4	5	6	7	8	9	10	11	12
			25 - 30	<u>15</u>	-	-	-	53	-	-	53
			15 - 10	-	-	1	62	73	-	-	136
			10 - 21	-	-	-	60	-	-	-	60
			21 - 24	-	-	-	50	53	-	-	103
			24 - 28	-	-	-	50	173	-	-	231
			TOTAL	-	1	238	352	-	-	-	591
			TOTAL	<u>15</u>	-	-	-	53	-	-	53
			ASH-WISE	15 - 10	-	1	62	73	-	-	136
			10 - 21	9	6	72	-	-	-	-	87
			21 - 24	5	8	90	88	-	-	-	191
			24 - 28	1	3	101	368	-	-	-	473
			28 - 35	-	-	-	37	-	-	-	37
			HORIZON TOTAL	15	18	362	582	-	-	-	977
			-100 to -200	<u>20</u>	21 - 24	-	7	-	-	-	7
			24 - 28	-	-	29	10	-	-	-	39
			TOTAL	-	-	36	10	-	-	-	46
			20 - 22	21 - 24	5	7	-	-	-	-	12
			24 - 28	31	50	9	-	-	-	-	90
			TOTAL	36	57	9	-	-	-	-	102

Contd....

: 220 :

SEAM: XVI A/AB (Contd.....)

1	2	3	4	5	6	7	8	9	10	11	12
			22 - 25	18 - 21	10	8	17	-	-	-	35
			21 - 24	40	42	24	24	-	-	-	106
			24 - 28	21	36	46	46	-	-	-	103
			TOTAL	71	86	87	87	-	-	-	244
			25 - 30	15 - 18	-	3	4	-	-	-	7
			18 - 21	4	6	4	4	-	-	-	14
			TOTAL	4	9	8	8	-	-	-	21
			TOTAL	15 - 18	-	3	4	-	-	-	7
			ASH-WISE	18 - 21	14	14	21	-	-	-	49
			21 - 24	45	56	24	24	-	-	-	125
			24 - 28	52	115	65	65	-	-	-	232
			HORIZON TOTAL	111	188	114	114	-	-	-	413
			-200 to -300	20 - 22	21 - 24	4	-	-	-	-	4
			223,200	24 - 28	50	38	182	-	-	-	270
			TOTAL	54	38	182	182	-	-	-	274
			22 - 25	24 - 28	-	-	111	-	-	-	111
			TOTAL--	-	-	-	111	-	-	-	111

Contd.....

SEAM: XVI A/AB (Contd....)

: 221 :

	1	2	3	4	5	6	7	8	9	10	11	12
B												
				TOTAL	21 - 24	4	-	-	-	-	-	4
				ASH-WISE	24 - 28	50	38	293	-	-	-	381
HORIZON TOTAL					TOTAL	54	38	293	-	-	-	385
-300 to -400 224,960				20	21 - 24	7	3	-	-	-	-	10
				TOTAL	7	3	-	-	-	-	-	10
				20 - 22	21 - 24	40	15	2	-	-	-	57
					24 - 28	42	31	63	-	-	-	136
				TOTAL	82	46	65	-	-	-	-	193
				22 - 25	21 - 24	33	21	-	-	-	-	54
					24 - 28	15	-	-	-	-	-	15
				TOTAL	48	21	-	-	-	-	-	69
				TOTAL	21 - 24	86	39	2	-	-	-	121
				ASH-WISE	24 - 28	57	31	63	-	-	-	154
HORIZON TOTAL					137	70	65	-	-	-	-	272
-400 to -500 3,250				20 - 22	21 - 24	-	1	-	-	-	-	1
				TOTAL	-	1	-	-	-	-	-	1

Contd....

: 222 :

Contd....

	1	2	3	4	5	6	7	8	9	10	11	12
C		-100 to -200	246,720	/20	18 -- 21	-	1	21	4	-	-	26
					21 -- 24	3	6	10	27	-	-	46
					TOTAL	3	7	31	31	-	-	72
			20 -- 22		18 -- 21	-	-	12	3	-	-	15
					21 -- 24	14	26	65	177	-	-	282
					24 -- 26	15	4	1	48	-	-	68
					28 -- 35	2	-	-	-	-	-	2
					TOTAL	31	30	78	228	-	-	367
			22 -- 25		21 -- 24	1	-	16	38	-	-	55
					24 -- 28	21	10	24	38	-	-	93
					TOTAL	22	10	40	75	-	-	142
				TOTAL	18 -- 21	-	1	33	7	-	-	41
				ASH-WISE	21 -- 24	18	32	91	242	-	-	383
					24 -- 28	36	14	25	86	-	-	161
					28 -- 35	2	-	-	-	-	-	2
					HORIZON TOTAL	56	47	149	335	-	-	587

Contd.....

SEAM: XVI A/AB (Contd....)

1	2	3	4	5	6	7	8	9	10	11	12
C	-200 to -300	359,520	20	18 - 21	-	1	18	-	-	-	19
				21 - 24	-	2	28	5	-	-	35
				24 - 28	-	-	7	48	-	-	55
				TOTAL	-	3	53	53	-	-	109
	20 - 22			21 - 24	-	7	2	-	-	-	
				24 - 28	9	32	320	6	-	-	367
				28 - 35	-	-	41	-	-	-	41
				TOTAL	9	39	363	6	-	-	417
	22 - 25			24 - 28	4	20	149	-	-	-	173
				TOTAL	4	20	149	-	-	-	173
	TOTAL			18 - 21	-	1	18	-	-	-	19
	ASH-WISE			21 - 24	-	9	30	5	-	-	44
				24 - 28	13	52	476	54	-	-	595
				28 - 35	-	-	41	-	-	-	41
					13	62	565	59	-	-	699
	HOFION TOTAL										

CONTD....

SEAM : XVI A/AB (Contd.....)

1	2	3	4	5	6	7	8	9	10	11	12
C	-300 to -400	160,800	L 20	21 - 24	27	10	-	-	-	-	37
				24 - 28	2	35	-	-	-	-	37
				TOTAL	29	45	-	-	-	-	74
			20 - 22	21 - 24	2	1	-	-	-	-	3
				24 - 28	-	56	98	-	-	-	154
				28 - 35	-	5	25	-	-	-	30
				TOTAL	2	62	123	-	-	-	187
			TOTAL	21 - 24	29	11	-	-	-	-	40
			ASH-WISE	24 - 28	2	91	90	-	-	-	191
				28 - 35	-	5	25	-	-	-	30
			HORIZON TOTAL		31	107	123	-	-	-	261
	-400 to -500	191,200	L 20	21 - 24	34	-	-	-	-	-	34
				24 - 28	26	41	-	-	-	-	67
				28 - 35	-	1	-	-	-	-	1
				TOTAL	60	42	-	-	-	-	102
			20 - 22	21 - 24	8	57	-	-	-	-	65
				24 - 28	-	2	-	-	-	-	2
				28 - 35	-	21	-	-	-	-	21
				TOTAL	8	80	-	-	-	-	88

Contd.....

1	2	3	4	5	6	7	8	9	10	11	12
D											
			TOTAL	21 - 24	8	-	-	-	-	-	8
			ASH-WISE								
		HORIZON TOTAL			8	-	-	-	-	-	8
		-200 to - 300	44,960	<u>/20</u>	18 - 21	11	14	15	-	-	40
					21 - 24	2	-	17	-	-	21
					TOTAL	13	14	32	2	-	61
				22 - 25	21 - 24	4	-	-	-	-	4
					TOTAL	4	-	-	-	-	4
				TOTAL	18 - 21	11	14	15	-	-	40
				ASH-WISE	21 - 24	6	-	17	2	-	25
		HORIZON TOTAL			17	14	32	2	-	-	65
		-300 to - 400	132,160	<u>/20</u>	18 - 21	6	12	4	-	-	22
					21 - 24	-	-	49	33	-	82
					24 - 28	-	-	35	211	-	246
					TOTAL	6	12	88	244	-	350
				20 - 22	24 - 28	-	-	5	-	-	5
					TOTAL	-	-	5	-	-	5

Contd....

SEAM: XVI A/AB (Contd....)

SEAM: XVI A/AB (Contd.....)												
1	2	3	4	5	6	7	8	9	10	11	12	
D												
			TOTAL	18 - 21	6	12	4	-	-	-	22	
			ASH-WISE	21 - 24	-	-	49	33	-	-	82	
				24 - 28	-	-	40	211	-	-	251	
					0	12	93	244	-	-	355	
			HORIZON TOTAL									
			-400 to -500	97,920		20	108	22	-	-	150	
				20 - 22	-	34	-	-	-	-	34	
				24 - 28	-	54	108	22	-	-	184	
				28 - 35	-	3	6	-	-	-	9	
				20 - 22	-	2	-	-	-	-	2	
				24 - 28	-	5	6	-	-	-	11	
				28 - 35	-	33	114	22	-	-	159	
			TOTAL	24 - 28	-	36	-	-	-	-	36	
			ASH-WISE	28 - 35	-	65	114	22	-	-	195	
					-	-	-	-	-	-	-	
			HORIZON TOTAL									
			-500 to -600	104,100		17	-	-	-	-	17	
				21 - 24	64	25	-	-	-	-	89	
				24 - 28	-	4	-	-	-	-	4	
				28 - 35	-	-	-	-	-	-	-	
					81	29	-	-	-	-	110	
			HORIZON TOTAL									
			-600 to -700	29,440		-	-	-	-	-	27	
				21 - 24	1	-	-	-	-	-	1	
				24 - 28	-	-	-	-	-	-	-	
					28	-	-	-	-	-	28	
			HORIZON TOTAL									

SEAM: XVI A/AB (Contd....)

: 229 :

1	2	3	4	5	6	7	8	9	10	11	12
D				TOTAL	18 - 21	17	26	19	-	-	62
				ASH-WISE	21 - 24	58	-	66	35	-	159
					24 - 28	65	48	154	233	-	500
					28 - 35	-	40	-	-	-	40
TOTAL FOR SECTOR				417,280	140	114	239	268	-	-	761
F	± 0 & above	356,800	/ 20	24 - 28	6	6	-	-	-	-	12
				28 - 35	40	21	-	-	-	61	
				TOTAL	46	27	-	-	-	73	
				20 - 22	21 - 24	2	-	-	-	2	
					24 - 28	15	7	-	-	22	
		28 - 35	32	13	-	-	-	45			
		TOTAL	49	20	-	-	-	-	69		
		22 - 25	21 - 24	18	5	2	-	-	-	25	
			24 - 28	55	2	-	-	-	-	57	
			28 - 35	20	1	-	-	-	-	21	
			TOTAL	93	8	2	-	-	-	103	

Contd....

SEAM: XVI A/AB (Contd.....)

: 231 :

1	2	3	4	5	6	7	8	9	10	11	12
TOTAL				21 - 24	37	12	14	-	-	-	63
ASH-WISE				24 - 28	155	22	11	-	-	-	188
				28 - 35	98	53	19	-	-	-	170
TOTAL FOR SECTOR					290	87	44	-	-	-	421

SEAM: XVI A/AB (EX-BAND, BARRIER ZONE)

1	2	3	4	5	6	7	8	9	10	11	12
TOTAL FOR SECTOR											
				25 - 30	7	14	-	-	-	-	21
				28 - 35	3	20	19	-	-	-	42
					10	34	19	-	-	-	63

G	± 0 & above	23,040	25 - 30	24 - 28	-	7	-	-	-	-	7
HORIZON TOTAL				28 - 35	5	7	13	-	-	-	25
					5	14	13	-	-	-	32

± 0 to -100	238,040	22 - 25	21 - 24	23	-	-	-	-	-	-	23
				24 - 28	97	8	-	-	-	-	105
				28 - 35	6	19	13	-	-	-	38
TOTAL					126	27	13	-	-	-	166

Contd.....

SEAM: A/AB (contd...)

	1	2	3	4	5	6	7	8	9	10	11	12
G		+ 0 to -100		25 - 30	21 - 24	10	5	-	-	-	-	15
					24 - 28	46	7	-	-	-	-	53
					28 - 35	8	5	10	-	-	-	23
					TOTAL	64	17	10	-	-	-	91
				TOTAL	21 - 24	33	5	-	-	-	-	38
				ASH-WISE	24 - 28	143	15	-	-	-	-	158
					28 - 35	14	24	23	-	-	-	61
				HORIZON TOTAL		190	44	23	-	-	-	257
G		-100 to -200	03,260	20 - 22	24 - 28	++	-	-	-	-	-	++
					TOTAL	++	-	-	-	-	-	++
				22 - 25	21 - 24	15	14	-	-	-	-	29
					24 - 28	9	-	-	-	-	-	9
					TOTAL	24	14	-	-	-	-	38
				25 - 30	21 - 24	15	13	-	-	-	-	28
					24 - 28	22	-	-	-	-	-	22
					TOTAL	37	13	-	-	-	-	50

contd....

Contd.....

SEAM: XVI A/AB (Contd.....)

1	2	3	4	5	6	7	8	9	10	11	12
H	± 0 to 100	86,240	20	15 - 18	-	-	-	48	26	-	74
				10 - 21	-	-	-	7	-	-	7
				21 - 24	-	-	-	-	-	-	-
				TOTAL	-	-	-	55	26	-	81
			20 - 22	15 - 18	-	-	-	7	21	-	28
				TOTAL	-	-	-	7	21	-	28
			22 - 25	15 - 18	-	-	2	15	23	-	40
				TOTAL	-	-	2	15	23	-	40
			25 - 30	15 - 18	3	5	15	17	181	-	221
				18 - 21	2	2	2	-	-	-	6
				TOTAL	5	7	17	17	181	-	227
			TOTAL	15 - 18	3	5	17	87	251	-	363
			ASH-WISE	18 - 21	2	2	2	7	-	-	13
					5	7	19	94	251	-	376
			HORIZON TOTAL								

CONTD.....

SEAM: XVI A/AB (Contd....)

: 235 :

1	2	3	4	5	6	7	8	9	10	11	12
H	-100 to -200	59,600	/20	15	1	3	2	79	27	-	3
				18 - 21	-	-	-	1	-	-	1
				TOTAL	2	3	11	80	27	-	123
		20 - 22		15	1	1	1	-	-	-	3
				15 - 18	1	1	6	15	-	-	23
				10 - 21	-	-	-	10	-	-	10
				TOTAL	2	2	7	25	-	-	36
		22 - 25		15 - 18	1	2	6	2	-	-	11
				TOTAL	4	2	6	2	-	-	11
		25 - 30		15 - 18	2	2	1	-	-	-	5
				TOTAL	2	2	1	-	-	-	5
				15	2	1	3	-	-	-	6
		ASH-WISE		15 - 18	5	8	22	96	27	-	158
				10 - 21	-	-	-	11	-	-	11
				TOTAL	7	9	25	107	27	-	175
		HORIZON TOTAL		15	1	2	2	-	-	-	5
		-200 to -300	133,760	/20	1	2	2	-	-	-	5
				TOTAL	1	2	2	-	-	-	5

Contd.....

SEAM : XVI A/AB (Contd.....)

1	2	3	4	5	6	7	8	9	10	11	12
H	-200 to -300	133,760	20 - 22	<u>15</u>	1	-	-	-	-	-	1
				15 - 18	-	-	PS - BT 2	0	-	-	10
				18 - 21	1	-	-	30	-	-	31
				TOTAL	2	-	2	30	-	-	42
			22 - 25	<u>15</u>	1	-	-	-	-	-	1
				15 - 18	5	7	14	12	-	-	38
				18 - 21	1	0	23	137	-	-	169
				21 - 24	-	-	-	230	-	-	230
				TOTAL	7	15	37	387	-	-	446
				<u>15</u>	3	2	-	-	-	-	5
				15 - 18	5	7	18	20	-	-	50
				18 - 21	2	8	23	167	-	-	200
				21 - 24	-	-	-	230	-	-	230
				TOTAL	10	17	41	425	-	-	493
				18 - 21	-	1	PS - BT 0	8	-	-	17
				21 - 24	-	-	12	106	67	-	185
				TOTAL	-	1	20	114	67	-	202

Contd.....

: 237 :

SEAM: XVI r/AB (Contd....)

1	2	3	4	5	6	7	8	9	10	11	12
H	-300 to -400	116,480	25 - 30	10 - 21	-	-	1	20	-	-	21
				21 - 24	-	-	6	155	140	-	301
				TOTAL	-	-	7	175	140	-	322
			TOTAL	10 - 21	-	1	9	28	-	-	30
			ASH-WISE	21 - 24	-	-	18	201	207	-	486
					-	1	27	209	207	-	524
			HORIZON TOTAL	21 - 24	-	-	2	12	51	-	65
			-400 to -500	27,040	22 - 25	21 - 24	-	2	12	51	65
						TOTAL	-	2	12	51	65
			25 - 30	21 - 24	-	-	-	56	-	-	56
				TOTAL	-	-	-	56	-	-	56
			TOTAL	21 - 24	-	-	2	60	51	-	121
			ASH-WISE								
				TOTAL	-	-	2	60	51	-	121
			HORIZON TOTAL								
				15	5	3	3	232	66	75	1066
			ASH - WISE	15 - 10	13	21	60	232	66	75	1066
				18 - 21	5	13	42	262	33	4	656
				21 - 24	-	-	20	567	25	8	645
			TOTAL FOR SECTOR	572,000	23	37	125	1061	125	7	2,578

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

TABLE : NO. TA/R/D-15 (I)

S E C T O R	Horizon (m. to top)	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 - 10.00		
1	2	3	4	5	6	7	8	9	10	11	
A	0 and above	240,000	10 - 21	32	14	2	-	-	-	-	
			21 - 24	8	31	110	-	-	-	-	48
			24 - 20	-	-	-	-	-	-	-	157
	HORIZON TOTAL			40	45	233	15	-	-	-	251
	0 to -100	133,440	21 - 24	-	15	15	-	-	-	-	456
			24 - 20	-	12	31	65	-	-	-	30
			20 - 35	-	-	26	117	-	-	-	158
	HORIZON TOTAL			-	27	122	102	-	-	-	143
	-100 to -200	6,080	20 - 35	-	-	16	-	-	-	-	331
	HORIZON TOTAL			-	-	16	-	-	-	-	16
	TOTAL		10 - 21	32	14	2	-	-	-	-	16
	ASH-WISE		21 - 24	8	46	133	-	-	-	-	40
			24 - 20	-	15	314	80	-	-	-	187
			20 - 35	-	-	42	117	-	-	-	409
	TOTAL FOR SECTOR	379,520		40	75	491	197	-	-	-	803

Contd....

SEAM: XVI 8 (In-band, Virgin, Contd.....)

: 239 :

1	2	3	4	5	6	7	8	9	10	11
B	± 0 to -100	78,240	24 - 28 28 - 35	-	-	9	177	-	-	186
				-	-	-	58	-	-	58
HORIZON TOTAL										
				-	-	9	235	-	-	244
	-100 to -200	335,360	28 - 35	-	3	135	608	-	-	746
			7 35	-	10	234	10	-	-	254
HORIZON TOTAL										
				-	13	369	618	-	-	1000
	-200 to -300	173,600	24 - 28	8	7	-	-	-	-	15
			28 - 35	67	81	64	-	-	-	212
			7 35	-	10	2	-	-	-	12
HORIZON TOTAL										
				75	98	66	-	-	-	239
	-300 to -400	62,720	24 - 28	33	-	-	-	-	-	33
			28 - 35	31	-	-	-	-	-	31
HORIZON TOTAL										
				64	-	-	-	-	-	64

Contd.....

RES : 240 :

SEAM: XVI B (In-Band, Virgin Contd.....)

1	2	3	4	5	6	7	8	9	10	11
		TOTAL	24 - 28	41	7	9	177	-	-	234
		ASH-WISE	28 - 35	98	84	199	666	-	-	1047
			735	-	20	236	10	-	-	266
	TOTAL FOR SECTOR	649,920		139	111	444	853	-	-	1,547
C	-100 to-200	32,480	20 - 35	-	-	-	109	-	-	109
	HORIZON TOTAL			-	-	-	109	-	-	109
	-200 to - 300	127,520	28 - 35	24	12	93	184	-	-	313
	HORIZON TOTAL			24	12	93	184	-	-	313
	-300 to-400	7,680	20 - 35	6	-	-	-	-	-	6
	HORIZON TOTAL			6	-	-	-	-	-	6
	-400 to-500	35,040	28 - 35	30	-	-	-	-	-	30
	HORIZON TOTAL			30	-	-	-	-	-	30
	TOTAL		20 - 35	60	12	93	293	-	-	450
	ASH-WISE									
	TOTAL FOR SECTOR	202,720		60	12	93	293	-	-	450

Contd.....

SEAM: XVI B (In-band, Virgin Contd....)

: 241 :

1	2	3	4	5	6	7	8	9	10	11
D	-400 to -500	4,800	20 - 35	4	-	-	-	-	-	4
HORIZON TOTAL										
	-500 to -600	67,840	20 - 35	60	-	-	-	-	-	60
HORIZON TOTAL										
	TOTAL		20 - 35	72	-	-	-	-	-	72
ASH-WISE										
TOTAL FOR SECTOR										
		72,640		72	-	-	-	-	-	72
F	+ & above	439,300	L 15	-	8	61	-	-	-	69
			15 - 10	-	67	90	-	-	-	157
			10 - 21	-	20	03	5	-	-	116
			21 - 24	-	5	140	54	-	-	199
			24 - 20	-	5	196	47	-	-	247
			20 - 35	-	15	96	2	-	-	113
			735	-	1	-	-	-	-	1
HORIZON TOTAL										
				-	129	665	108	-	-	902
F	+ 0 to -100	6,240	24 - 20	-	-	11	-	-	-	11
HORIZON TOTAL										
				-	-	11	-	-	-	11

242 :

1	2	3	4	5	6	7	8	9	10	11
		TOTAL								
		ASH-WISE								
			7 5	-	0	61	-	-	-	69
			15 - 10	-	67	90	-	-	-	157
			10 - 21	-	20	03	5	-	-	116
			21 - 24	-	5	140	54	-	-	199
			24 - 20	-	5	106	47	-	-	250
			20 - 35	-	15	96	2	-	-	113
			735	-	1	-	-	-	-	1
		TOTAL FOR SECTOR	445,600	-	129	676	108	-	-	913
G	± 0 and above	77,600	24 - 20	-	-	1	-	-	-	1
			20 - 35	-	12	40	-	-	-	52
			7 35	45	19	-	-	-	-	64
		HORIZON TOTAL		45	31	41	-	-	-	117
	± 0 to -100	347,360	24 - 20	1	21	20	-	-	-	50
			20 - 35	117	155	159	-	-	-	431
			735	3	36	1	-	-	-	40
		HORIZON TOTAL		121	212	180	-	-	-	521

Contd.....

SEAM: XVI B (In-band, Virgin Contd....)

1	2	3	4	5	6	7	8	9	10	11
	-100 to -200	4,320	20 - 35	4	-	-	-	-	-	4
HORIZON TOTAL				4	-	-	-	-	-	4
	24 - 20		1	21	29	-	-	-	-	51
	20 - 35		121	167	199	-	-	-	-	487
	7		170	243	229	-	-	-	-	642
TOTAL FOR SECTOR		429,200								

SEAM: XVI B (In-band, BARRIER ZONE)

1	2	3	4	5	6	7	8	9	10	11
	± 0 & above	TOTAL	28 - 35	-	3	21	-	-	-	24
		ASH-WISE	735	13	9	-	-	-	-	22
TOTAL FOR SECTOR		26,080		13	12	21	-	-	-	46

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

TABLE: NO. TA/R/D-15 (E)

TABLE: NO. TA/R/D-15 (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 - 2.0	2.0 - 4.0	4.0 - 6.0	6.0 - 7	7	8	9	10	11	12	
A	± 0 & above	236,960	22 - 25	18 - 21	-	-	19	-	-	-	-	-	-	-	-	19	
				TOTAL	-	-	19	-	-	-	-	-	-	-	-	19	
		25 - 30	15	-	-	-	-	-	-	-	-	-	-	-	-	-	
			15 - 18	31	48	266	-	-	-	-	-	-	-	-	-	345	
	18 - 21	3	12	1	-	-	-	-	-	-	-	-	-	-	16		
	TOTAL	34	60	267	-	-	-	-	-	-	-	-	-	-	361		
	TOTAL ASH-WISE	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		15 - 18	31	48	266	-	-	-	-	-	-	-	-	-	-	345	
		18 - 21	3	12	20	-	-	-	-	-	-	-	-	-	-	35	
	HORIZON TOTAL		34	60	286	-	-	-	-	-	-	-	-	-	-	380	
± 0 to 100	22 - 25	133,440	18 - 21	-	-	89	-	-	-	-	-	-	-	-	-	89	
	21 - 24	-	5	40	-	-	-	-	-	-	-	-	-	-	-	45	
	TOTAL	-	5	129	-	-	-	-	-	-	-	-	-	-	-	134	

Contd....

	1	2	3	4	5	6	7	8	9	10	11	12
A				25 - 30	18 - 21	-	21	96	-	-	-	117
				21 - 24	-	-	6	35	-	-	-	41
				TOTAL	-	-	27	131	-	-	-	159
			TOTAL									
			ASH - WISE	18 - 21	-	-	21	185	-	-	-	206
			21 - 24	-	-	-	11	75	-	-	-	86
HORIZON TOTAL				1	-	-	32	260	-	-	-	292
-100 to -200			4,480	22 - 25	21 - 24	-	2	-	-	-	-	2
				TOTAL	-	-	2	-	-	-	-	2
			25 - 30	15 - 18	-	-	4	-	-	-	-	4
				TOTAL	-	-	4	-	-	-	-	4
			TOTAL	15 - 18	-	-	4	-	-	-	-	4
			ASH-WISE	18 - 21	-	-	-	-	-	-	-	-
				21 - 24	-	-	2	-	-	-	-	2
HORIZON TOTAL				-	-	-	6	-	-	-	-	6

Contd...

SEAM: XVI B (Contd....)

1	2	3	4	5	6	7	8	9	10	11	12
A											
	TOTAL	15 - 18	31			52	266				349
	ASH - WISE	18 - 21	3			35	205				241
		21 - 24	-			17	75				50
			34			98	546				678
TOTAL FOR SECTOR 374,980											
B											
	± 0 to 10	22 - 25		18 - 21			7	2			107
				21 - 24			29				71
				24 - 28				71			227
							55	191			
HORIZON TOTAL											
	± 10 to 200	20 - 22		21 - 24	1						60
				24 - 28	12	11	37				61
				TOTAL	13	11	37				7
				18 - 21		7					74
	22 - 25			21 - 24		25		49			443
				24 - 28	16	60	309	58			193
				28 - 35			193				717
				TOTAL	16	92	502	107			7
TOTAL											
				18 - 21		7					75
				21 - 24	1	25		49			503
				24 - 28	28	71	346	58			193
				28 - 35			193				778
HORIZON TOTAL											
				29	103		539	107			Contd....

SEAM: XVIB (Contd....)

1	2	3	4	5	6	7	8	9	10	11	12
B	-200 to -300	129,760	20 - 22	15 - 18	7	-	-	-	-	-	7
				18 - 21	9	-	-	-	-	-	9
				21 - 24	13	-	-	-	-	-	13
				24 - 28	7	-	-	-	-	-	7
				TOTAL	36	-	-	-	-	-	36
			22 - 25	15 - 18	12	7	-	-	-	-	19
				18 - 21	3	9	-	-	-	-	12
				21 - 24	2	3	-	-	-	-	5
				24 - 28	31	13	-	-	-	-	44
				28 - 35	16	-	-	-	-	-	16
				TOTAL	64	32	-	-	-	-	96
			TOTAL	15 - 18	19	7	-	-	-	-	26
			ASH-WISE	18 - 21	12	9	7	2	-	-	37
				21 - 24	15	3	-	-	-	-	18
				24 - 28	38	13	-	-	-	-	51
				28 - 35	16	-	-	-	-	-	-
				HORIZON TOTAL	100	32	-	-	-	-	132

Contd....

SEAM: XVIB (contd....)

1	2	3	4	5	6	7	8	9	10	11	12
B				15 - 18	19	7	-	-	-	-	26
				18 - 21	12	16	7	2	-	-	37
			TOTAL	21 - 24	16	28	29	167	-	-	240
			ASH-WISE	24 - 28	66	84	346	129	-	-	625
				28 - 35	16	-	193	-	-	-	209
					129	135	575	298	-	-	1,137
			TOTAL FOR SECTOR		582,569						75
C			-100 to -200	22 - 25	21 - 24	-	75	-	-	-	75
			HORIZON TOTAL		-	-	75	-	-	-	75
			-200 to -300	22 - 25	21 - 24	-	79	-	-	-	120
				24 - 28	30	17	73	-	-	-	4
				28 - 35	4	-	-	-	-	-	199
			HORIZON TOTAL		34	17	140	-	-	-	150
			TOTAL	21 - 24	-	-	150	-	-	-	120
			ASH-WISE	24 - 28	30	17	73	-	-	-	4
				28 - 35	4	-	-	-	-	-	274
					34	17	223	-	-	-	1
			TOTAL FOR SECTOR		140,320						7
F			± 0 and above	22 - 25	21 - 24	-	1	-	-	-	12
				24 - 28	-	-	7	-	-	-	20
				28 - 35	-	-	12	-	-	-	
			TOTAL		-	-	20	-	-	-	

contd....