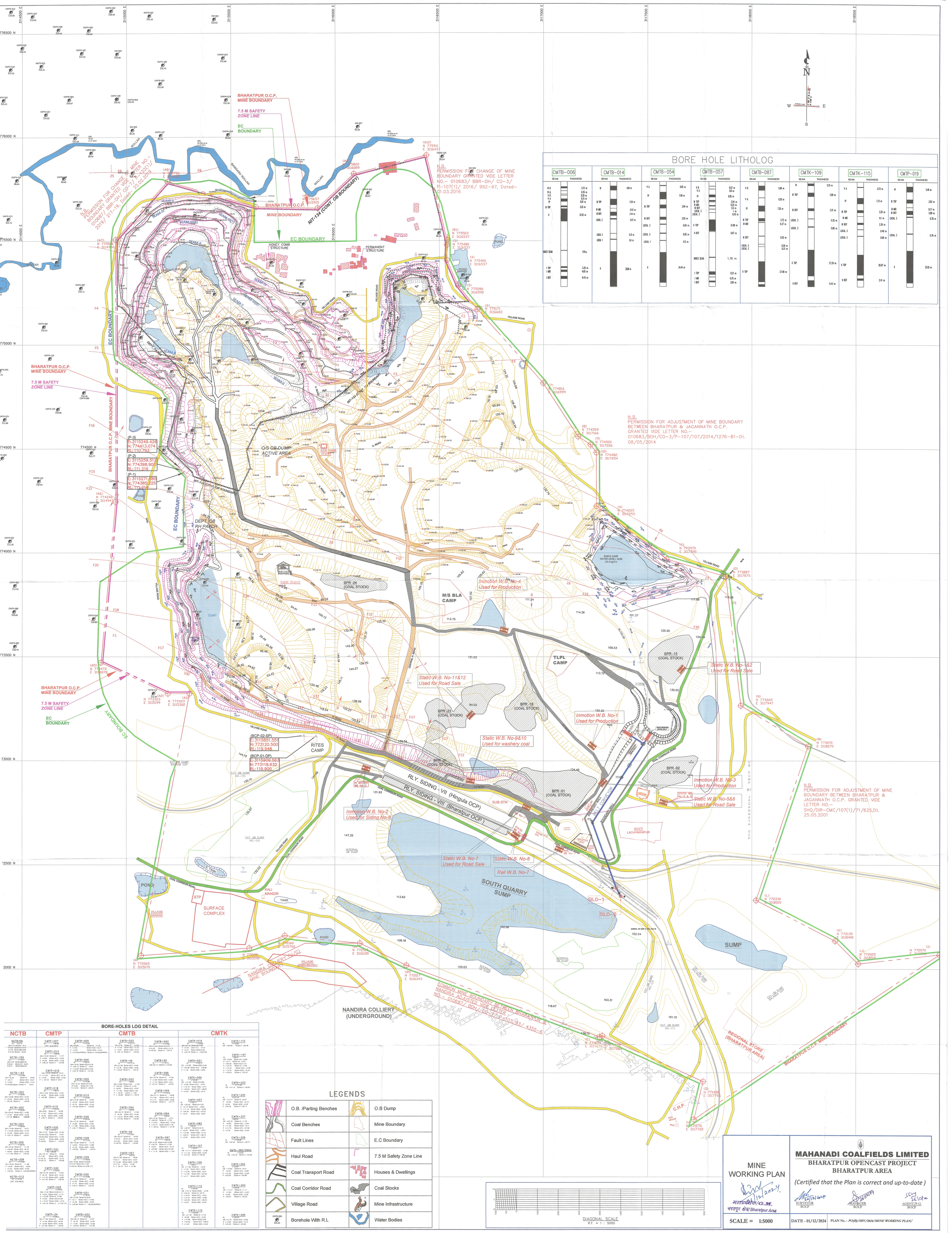

BORE HOLE LITHOLOG

CMTB-006		CMTB-014		CMTB-054		CMTB-057		CMTB-D87		CMTK-109		CMTK-115		CMTP-019	
SEAM	THICKNESS	SEAM	THICKNESS	SEAM	THICKNESS	SEAM	THICKNESS	SEAM	THICKNESS	SEAM	THICKNESS	SEAM	THICKNESS	SEAM	THICKNESS
V B	3.72 m	IV	4.04 m	V A	0.85 m	V B	0.57 m	V B	5.88 m	IV	2.25 m	V A	0.73 m	IV	5.46 m
V A	0.35 m					V A	0.8 m								
V B	0.29 m			IV	7.89 m	IV	6.85 m	V A	0.38 m	III TOP	3.89 m	IV	7.73 m	III TOP	3.62 m
V A	0.15 m	III TOP	5.56 m			III TOP	3.54 m							III MID	0.17 m
IV	6.81 m			III TOP	3.94 m	III MID	0.22 m	IV	7.35 m			III TOP	3.25 m	III BOT	3.88 m
		III MID	0.03 m			III BOT	2.6 m			III BOT	2.51 m	III MID	0.1 m	LOCAL 3	0.76 m
III TOP	3.25 m	III BOT	3.44 m	III BOT	2.95 m	LOCAL 3	1 m	III TOP	3.72 m			III BOT	2.36 m		
						LOCAL 2	0.16 m	III MID	0.37 m	LOCAL 3	0.35 m	LOCAL 3	0.48 m	LOCAL 2	0.76 m
		LOCAL 3	0.97 m	LOCAL 3	0.84 m	III TOP	31.89 m			LOCAL 2	0.86 m	LOCAL 2	0.88 m		
II	39.52 m			LOCAL 2	0.85 m	III BOT	0.67 m	III BOT	0.55 m					II	33.55 m
		LOCAL 2	0.15 m	LOCAL 1	0.5 m			LOCAL 3	0.26 m						
		LOCAL 1	0.6 m					LOCAL 2	0.21 m						
INDEX SEAM	0.8m			II	34.44 m	INDEX SEAM	1.76 m			II TOP	27.29 m	II TOP	26.97 m		
I TOP	3.35 m	II	33.86 m			I TOP	8.21 m	II TOP	27.08 m						
I MID	4.85 m					I MID	0.75 m					II BOT	2.41 m		
I BOT	6.43 m					I BOT	3.64 m			II BOT	6.45 m				

BORE-HOLES LOG DETAIL

NCTB | CMTP | CMTB | CMTK

NCTB-154 RL +107.73 08+21.70 SEAM=V =6.11 P=8.32 SEAM=III(TOP) P=7.55 SEAM=III(BD) =6.88 P=4.28 SEAM=I =94.65

NCTB-159 RL +99.95 09=17.00 SEAM=III(BM) =0.30 P=99.40 SEAM=IV =94.90 P=0.75 SEAM=III(M) =0.30

NCTB-163 RL +112.79 09=19.92 SEAM=IV =9.06 P=8.77 SEAM=II(T) =0.07 P=2.53 SEAM=II(B) =7.07 P=34.00(Approx.) SEAM=I =12.5

NCTB-202 RL +102.79 09=18.80 SEAM=II(T) =0.43 P=8.62 SEAM=II(B) =3.75 P=35.35 SEAM=I =34.55

NCTB-203 RL +102.79 09=24.05 SEAM=II(T) =3.85 P=4.58 SEAM=II(B) =0.40 P=1.40 **SEAM=I =33.30**

NCTB-204 RL +102.79 09=12.96 SEAM=IV =0.71 P=10.38 SEAM=II(T) =4.75 P=4.26 SEAM=II(B) =3.71 P=33.13 SEAM=I =30.91

NCTB-205 RL +102.79 09=16.29 SEAM=IV =1.18 P=20.83 SEAM=II(T) =8.18 P=8.69 SEAM=II(B) =5.83 P=11.08 SEAM=I =30.39

NCTB-208 RL +102.79 09=18.50 SEAM=IV =1.28 P=8.55 SEAM=II(T) =9.03 P=3.39 SEAM=II(B) =5.03 P=30.94 SEAM=I =33.50(APPROX)

NCTB-312 RL +112.79 (NOT AVAILABLE)

CMTP-007 RL +112.79 (NOT AVAILABLE)

CMTP-014 RL +107.79 09=19.26 SEAM=IV =7.77 P=8.63 SEAM=II(T) =4.64 P=8.20 SEAM=II(B) =0.20 P=38.32 SEAM=I =33.68

CMTP-015 RL +107.79 08=17.84 SEAM=IV =2.01 P=17.84 SEAM=II(T) =5.10 P=4.50 SEAM=II(B) =4.00 P=33.44 SEAM=I 34.51

CMTP-018 RL +107.79 09=17.00 SEAM=II(T) =4.50 P=8.55 SEAM=II(B) =4.30 P=35.88 SEAM=I =29.68

CMTP-019 RL +102.79 09=9.80 SEAM=IV =5.95 P=7.97 SEAM=II(T) =3.62 P=8.30 SEAM=II(B) =3.88 P=38.11 SEAM=I =33.55

CMTP-020 RL +102.79 09=17.70 SEAM=II(T) =2.40 P(FAULTED) SEAM=IV =4.67 P(FAULTED) SEAM=II(T) =4.26 P=8.34 SEAM=II(B) =6.26 P=39.55 SEAM=I =33.53

CMTP-021 RL +102.79 08=18.10 SEAM=IV =6.50 P=7.30 SEAM=II(T) =3.80 P=10.75 SEAM=II(B) =3.15 P=38.15 SEAM=I =33.98

CMTP-022 RL +102.79 08=22.25 SEAM=IV =4.00 P=8.18 SEAM=II(T) =3.22 P=11.55 SEAM=II(B) =2.80 P=41.60 SEAM=I =29.78

CMTP-023 RL +102.79 08=17.44 SEAM=IV =2.11 P=8.52 SEAM=II(T) =1.15 P=18.28 SEAM=IV =7.80 P=8.00 SEAM=II(T)=2.46 P=10.57 SEAM=II(B) =3.70 P=34.79 SEAM=I =11.49 (?)

CMTP-24 RL +102.79 08=17.26 SEAM=IV =8.90 P=4.40 SEAM=II(T) =5.49 P=2.95 SEAM=II(B) =5.95 P=31.92 SEAM=I =33.35

CMTB-005 RL +113.79 08=24.00 SEAM=IV =7.79 P=7.86 SEAM=II(T) =4.27 P=4.05 SEAM=II(B) =5.42 P=34.50(APPROX) SEAM=I =34.50(APPROX)

CMTB-006 RL +109.79 09=10.40 SEAM=IV(U+L)=8.18 P=26.12 SEAM=IV =6.61 P=10.85 SEAM=II(B)=3.28 P=33.70 SEAM=I =31.52

CMTB-009 RL +109.79 08=14.40 SEAM=IV=4.25 P=4.60 SEAM=II=11.25 P=18.38 SEAM=I =29.43

CMTB-014 RL +112.79 08=14.28 SEAM=IV =4.04 P=8.32 SEAM=II(T) =5.56 P=6.74 SEAM=II(B) =3.44 P=34.09 SEAM=I =33.08

CMTB-026 RL +109.79 09=13.70 SEAM=IV =8.87 P=8.99 SEAM=II(T) =3.84 P=11.88 SEAM=II(B) =2.82 P=40.17 SEAM=I =33.96

CMTB-028 RL +109.79 09=19.80 SEAM=IV =4.16 P=9.02 SEAM=II(T) =4.88 P=3.79 SEAM=II(B) =5.80 P=38.59 SEAM=I =34.79

CMTB-029 RL +109.79 09=19.60 SEAM=IV=6.80 P=5.23 SEAM=II=11.62 P=39.94 SEAM=I=32.50 (?)

CMTB-030 RL +109.79 08=16.00 SEAM=IV =6.48 P=5.69 SEAM=II(T) =3.98 P=7.70 SEAM=II(B) =3.32 P=40.41 SEAM=I =34.42

CMTB-031 RL +109.79 08=27.55 SEAM=IV=3.03 P=4.50 SEAM=II(T) =2.80 P=3.28 SEAM=II(B) =6.05 P=36.89 SEAM=I =36.00(APPROX)

CMTB-032 RL +109.79 09=29.15 SEAM=IV =4.57 P=5.73 SEAM=II(T) =4.05 P=7.95 SEAM=II(B) =5.28 P=39.93 SEAM=I =31.90

CMTB-033 RL +109.79 P=4.43 SEAM=IV =5.15 P=2.61 SEAM=II(B) =0.97 P=20.12 SEAM=I =33.00

CMTB-36 RL +107.79 08=21.88 SEAM=II(T) =3.90 P=8.78 SEAM=II(B) =0.80 P=42.05 SEAM=I =33.79

CMTB-053 RL +99.83 08=12.88 SEAM=IV(U) =1.50 P=24.53 SEAM=IV =7.49 P=8.00 SEAM=II(T) =1.87 P=11.62 SEAM=II(B)=1.33 P= 33.91 LOCAL =1.00 P= 39.50 SEAM=I = 32.70

CMTB-054 RL +98.79 08=23.37 SEAM=IV =8.03 P=8.44 SEAM=II(T) =8.24 P=3.62 SEAM=II(B) =6.28 P=38.02 SEAM=I =33.65

CMTB-057 RL +99.79 08=27.85 SEAM=IV =8.85 P=8.71 SEAM=II(T) =3.54 P=10.99 SEAM=II(B) =2.60 P=7.76 LOCAL =1.00 P= 28.74 S=0 = 31.89

CMTB-062 RL +110.79 08=14.50 SEAM=IV=6.67 P=3.02 SEAM=II(B)=12.19 P=30.50 SEAM=I =33.75

CMTB-65 RL +110.79 09=22.13 SEAM=I =32.69

CMTB-068 RL +110.79 09=19.75 SEAM=IV =7.02 P= =4.56 SEAM=II(T) =4.83 P= =1.74 SEAM=II(B) =6.21 P= =31.81 SEAM=I =33.53

CMTB-069 RL +114.79 09=21.71 SEAM=IV =6.08 P=7.48 SEAM=II(T) =5.16 P=1.77 SEAM=II(B) =6.85 P=34.93 SEAM=I =31.77

CMTB-084 RL +102.79 08=13.20 SEAM=IV =3.31 P= =48.49 SEAM=IV =7.22 P =13.82 SEAM=II(T) =4.24 P =16.74 SEAM=II(B)=1.76 P = 36.42 SEAM=I = 31.78

CMTB-087 RL +109.79 08=10.93 SEAM=II(B)=5.89 P =20.42 SEAM=II =7.26 P =8.54 SEAM=II(T) =5.72 P =53.86 SEAM=II(T)=27.08 P = 3.19 SEAM=II(B) = 2.91

CMTK-016 RL +109.79 08=20.18, SEAM=IV=7.88 P =6.94 SEAM=II(T) =4.43 P =8.31 SEAM=II(B)=3.20 P =24.78 SEAM=I =FAULTED

CMTK-021 RL +102.79 08 =10.28 SEAM=IV(U+L) =1.21 P =40.08 SEAM=II(T) =9.88 P =1.43 SEAM=II(B) =6.69

CMTK-066 RL +104.28 08 =13.25 SEAM=IV=0.80 P =3.85 SEAM=II(T) =3.51 P =10.76 SEAM=II(B) =2.71 P =40.64 SEAM=I(T) =28.63 P =5.05 SEAM=I(B) =6.10

CMTK-067 RL +103.11 08 =26.20 SEAM=IV=7.63 P =9.13 SEAM=II(T) =3.84 P =3.16 SEAM=II(B) =5.21 P =38.63 SEAM=I(T) =27.01 P =5.61 SEAM=I(B) =5.67

CMTK-083 RL +99.97 08 =25.57 SEAM=IV=3.13 P =5.84 SEAM=II(T) =5.87 P =10.28 SEAM=II(B) =4.16 P =38.31 SEAM=I(T) =30.12 P =3.55 SEAM=I(B) =2.87

CMTK-107 RL +109.79 08 =17.11 SEAM=II(T) =3.95 P =11.64 SEAM=II(B) =3.25 P =37.34 SEAM=I =35.48

CMTK-109 RL +99.71 08 =11.90 SEAM=IV =2.25 P =7.45 SEAM=II(T) =3.89 P =12.28 SEAM=II(B) =2.01 P =41.05 SEAM=I(T) =27.29 P =4.71 SEAM=I(B) =6.45

CMTK-113 RL +102.79 08 =10.13 SEAM=II(B) =3.49 P =34.44 SEAM=II =8.19 P =13.03 SEAM=II(T) =4.64 P =13.23 SEAM=II(B) =2.88 P =34.59 SEAM=I(T) =28.42 P =2.55 SEAM=I(B) =0.59

CMTK-115 RL +102.79 08 =17.15 SEAM=IV =7.13 P =8.58 SEAM=II(T) =3.25 P =13.88 SEAM=II(B)=2.56 P =40.30 SEAM=I(T) =28.97 P =4.46 SEAM=I(B) =2.49

CMTK-173 RL +109.79 08 =48.60 SEAM=I =35.48

CMTK-197 RL +98.79 P =9.92 SEAM=II =5.96 P =2.71 SEAM=II =4.02 P =48.46 SEAM=I(U+L)=1.21 P =10.76 SEAM=II =7.04 P =13.40 SEAM=II(T) =3.48 P =12.76 SEAM=II(B) =2.49 P =39.29 SEAM=I =33.42

CMTK-232 RL +113.79 08 =47.10 SEAM=I =36.60

CMTK-235 RL +107.79 08 =15.77 SEAM=IV =6.07 P =8.52 SEAM=II(T) =3.74 P =9.60 SEAM=II(B) =3.01 P =38.32 SEAM=I =30.17

CMTK-237 RL +99.79 08 =22.70 SEAM=IV =7.78 P =8.60 SEAM=II(T) =3.84 P =11.30 SEAM=II(B) =2.71 P =41.79 SEAM=I(T) =27.60 P =3.78 SEAM=I(B) =5.09

CMTK-238 RL +109.79 08 =44.30 SEAM=I =29.77

CMTK-290/290A RL +109.60 08 =49.76 SEAM=I =33.98

CMTK-292 RL +102.79 08 =13.97 SEAM=IV =3.51 P =10.31 SEAM=II(T) =3.86 P =10.30 SEAM=II(B) =2.99 P =39.56 SEAM=I =34.88

CMTK-293 RL +109.79 08 =17.41 SEAM=IV =1.11 P =7.83 SEAM=II =4.03 P =8.48 SEAM=II(B) =3.05 P =39.07 SEAM=I =35.02

CMTK-296 RL +109.79 08=15.79 SEAM=II =0.90 P =12.85 SEAM=II(B) =3.15 P =40.45 SEAM=I =34.30

LEGENDS

	O.B. /Parting Benches		O.B Dump
	Coal Benches		Mine Boundary
	Fault Lines		E.C Boundary
	Haul Road		7.5 M Safety Zone Line
	Coal Transport Road		Houses & Dwellings
	Coal Corridor Road		Coal Stocks
	Village Road		Mine Infrastructure
CMTK-081 RL 101.33	Borehole With R.L		Water Bodies

MINE WORKING PLAN

महाप्रबंधक/G.M. भरतपुर क्षेत्र/Bharatpur Area

MAHANADI COALFIELDS LIMITED

BHARATPUR OPENCAST PROJECT
BHARATPUR AREA

(Certified that the Plan is correct and up-to-date)

SURVEYOR BOCP | MANAGER BOCP | AGENT/P.O. BOCP

SCALE = 1:5000 | DATE - 01/12/2024 | PLAN No. - PO(B)/SRV/2024/MINE WORKING PLAN/