

**THIRD INDO-US WORKING GROUP MEETING  
ON COAL**

**OVERBURDEN DUMP  
STABILITY**

**CMPDI**

# OVERBURDEN REMOVAL

## (2004-05)

COAL INDIA SUBSIDIARY	No. OF MINES	OB in Mcum
ECL	17	32.31
BCCL	27	37.42
CCL	37	45.18
WCL	31	121.31
SECL	18	79.23
NCL	8	133.08
MCL	14	49.74
NEC	2	4.43
<b>TOTAL</b>	<b>154</b>	<b>502.70</b>

# CURRENT & ULTIMATE DUMP HEIGHT OF SOME LARGE OPENCAST MINES OF CIL

<b>MINE</b>	<b>CURRENT DUMP HEIGHT (Metres)</b>	<b>ULTIMATE DUMP HEIGHT (Metres)</b>
JAYANT	234	265
DUDHICHUA	185	245
NIGAHI	205	210
AMLOHRI	200	295
KHADIA EXP.	190	300
BINA EXP.	212	315
KATHARA	185	235

# THURST AREA– OVERBURDEN DUMP STABILITY

1. DETERMINATION OF GEO-TECHNICAL CHARACTERISTICS OF DUMP MASS
2. DELINEATION OF WATER TABLE IN INTERNAL DUMPS
3. DUMP SLOPE MONITORING
4. SLOPE FAILURE PREDICTION

# SITE IDENTIFIED FOR DUMP SLOPE MONITORING & SLOPE FAILURE PREDICTION

## JAYANT OPENCAST MINE, NCL

COAL PRODUCTION	-	10 Mty
O.B. REMOVAL CAPACITY	-	31.5 Mcum
CURRENT DUMP HEIGHT	-	234 m
ULTIMATE DUMP HEIGHT	-	265 m

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THANK YOU