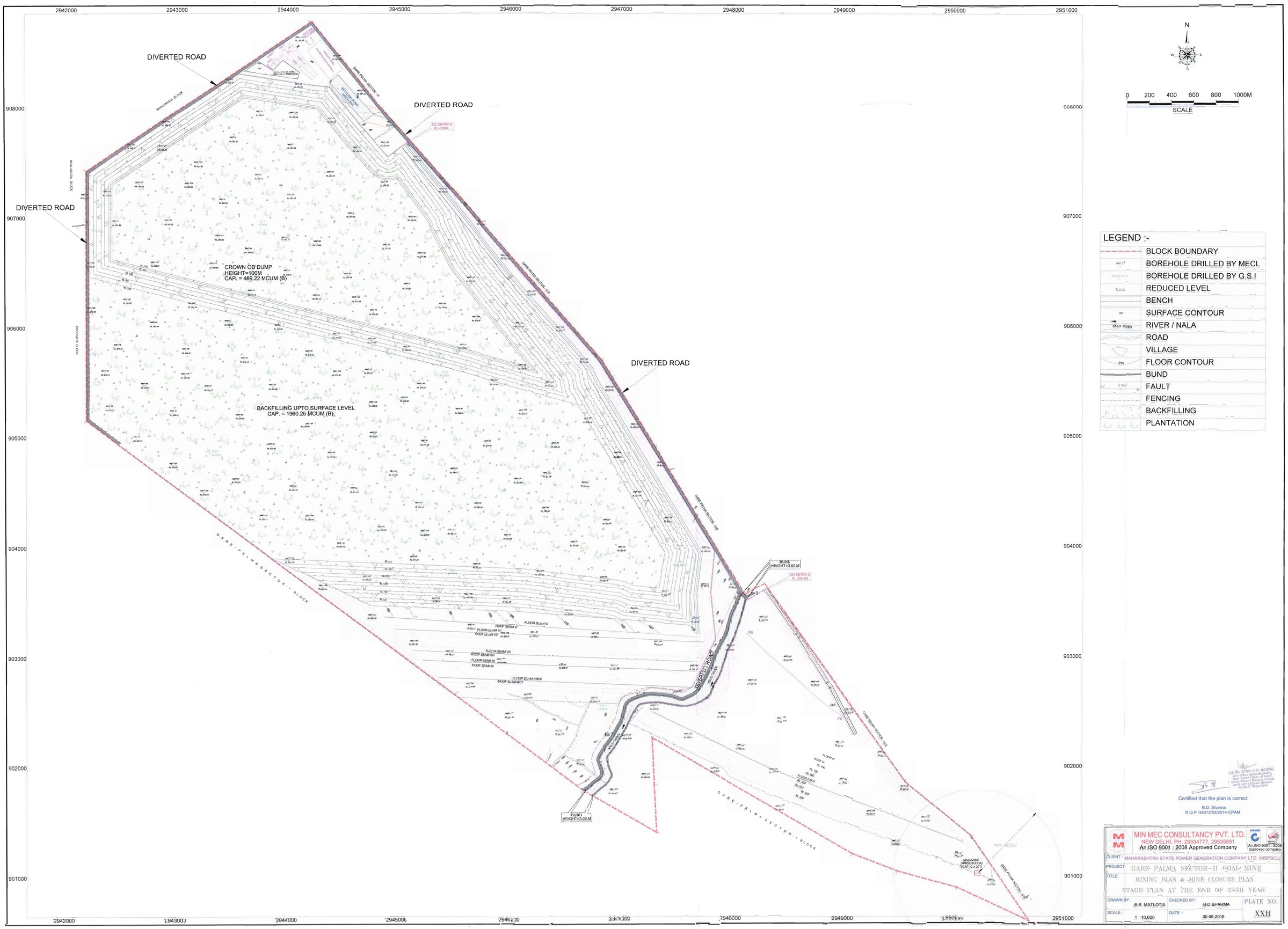
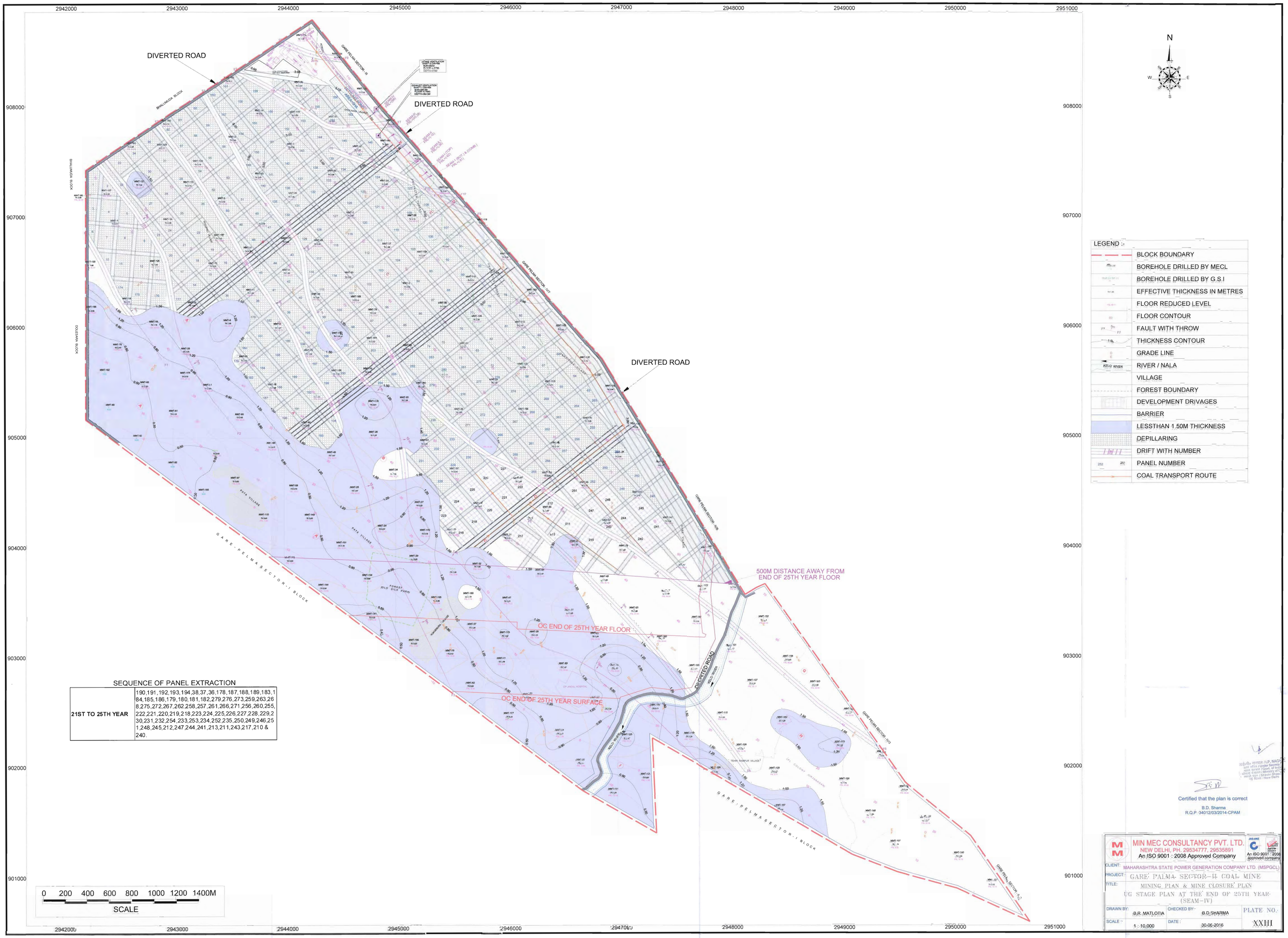

DIVERTED ROAD
DIVERTED ROAD
DIVERTED ROAD
DIVERTED ROAD
DIVERTED ROAD
CROWN OB DUMP
HEIGHT=100M
CAP. = 489.22 MCUM (B)
BACKFILLING UPTO SURFACE LEVEL
CAP. = 1960.25 MCUM (B)
BUND
HEIGHT=3.00 M
BUND
HEIGHT=3.00 M
OC ENTRY-2
RL=288M
OC ENTRY-3
RL 258.5M
GARE-PELMA SECTOR-I BLOCK
BHALUMUDA BLOCK
DOGESARA BLOCK
N
S
E
W
0 200 400 600 800 1000M
SCALE
LEGEND :-
BLOCK BOUNDARY
BOREHOLE DRILLED BY MECL
BOREHOLE DRILLED BY G.S.I
REDUCED LEVEL
BENCH
SURFACE CONTOUR
RIVER / NALA
ROAD
VILLAGE
FLOOR CONTOUR
BUND
FAULT
FENCING
BACKFILLING
PLANTATION
Certified that the plan is correct
B.D. Sharma
R.Q.P.-34012/03/2014-CPAM
MIN MEC CONSULTANCY PVT. LTD.
NEW DELHI, PH. 29534777, 29535891
An ISO 9001 : 2008 Approved Company
CLIENT: MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)
PROJECT: GARE PALMA SECTOR-II COAL MINE
TITLE: MINING PLAN & MINE CLOSURE PLAN
STAGE PLAN AT THE END OF 25TH YEAR
DRAWN BY: B.R. MATLOTIA
CHECKED BY: B.D.SHARMA
PLATE NO. XXII
SCALE: 1 : 10,000
DATE: 30-06-2016



SEQUENCE OF PANEL EXTRACTION

21ST TO 25TH YEAR	190,191,192,193,194,38,37,36,178,187,188,189,183,184,185,186,179,180,181,182,279,276,273,259,263,268,275,272,267,262,258,257,261,266,271,256,260,255,222,221,220,219,218,223,224,225,226,227,228,229,230,231,232,254,233,253,234,252,235,250,249,246,251,248,245,212,247,244,241,213,211,243,217,210 & 240.

Certified that the plan is correct

B.D. Sharma
R.Q.P :34012/03/2014-CPAM

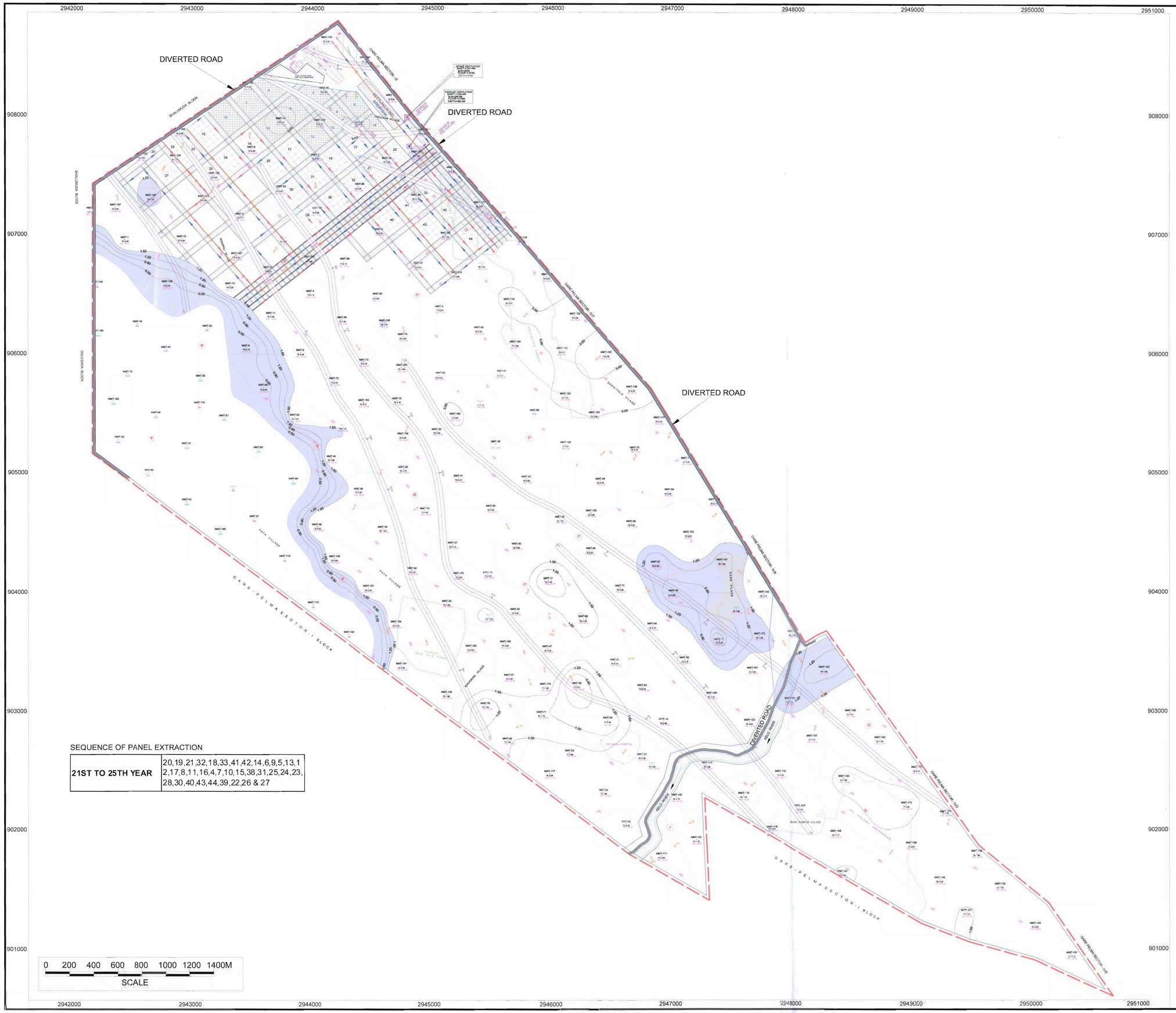
MIN MEC CONSULTANCY PVT. LTD.
NEW DELHI, PH. 29534777, 29535891
An ISO 9001 : 2008 Approved Company

CLIENT: MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)

PROJECT: GARE PALMA SECTOR-II COAL MINE

TITLE: MINING PLAN & MINE CLOSURE PLAN
UG STAGE PLAN AT THE END OF 25TH YEAR (SEAM-IV)

DRAWN BY: B.R. MATLOTIA	CHECKED BY: B.D.SHARMA	PLATE NO.:
SCALE : 1 : 10,000	DATE : 30-06-2016	XXIII



SEQUENCE OF PANEL EXTRACTION

21ST TO 25TH YEAR	20,19,21,32,18,33,41,42,14,6,9,5,13,1 2,17,8,11,16,4,7,10,15,38,31,25,24,23, 28,30,40,43,44,39,22,26 & 27

0 200 400 600 800 1000 1200 1400M

SCALE

N

LEGEND :-

- BLOCK BOUNDARY
- BOREHOLE DRILLED BY MECL
- BOREHOLE DRILLED BY G.S.I
- EFFECTIVE THICKNESS IN METRES
- FLOOR REDUCED LEVEL
- FLOOR CONTOUR
- FAULT WITH THROW
- THICKNESS CONTOUR
- GRADE LINE
- KELO RIVER — RIVER / NALA
- VILLAGE
- FOREST BOUNDARY
- DEVELOPMENT DRIVAGES
- BARRIER
- LESSTHAN 1.50M THICKNESS
- DEPILLARING
- DRIFT WITH NUMBER
- PANEL NUMBER
- COAL TRANSPORT ROUTE
- AIR INTAKE
- AIR RETURN
- VENTILATION STOPPING
- ISOLATION STOPPING
- AIR CROSSING

Certified that the plan is correct

B.D. Sharma
R.Q.P. 34012/03/2014-CPAM

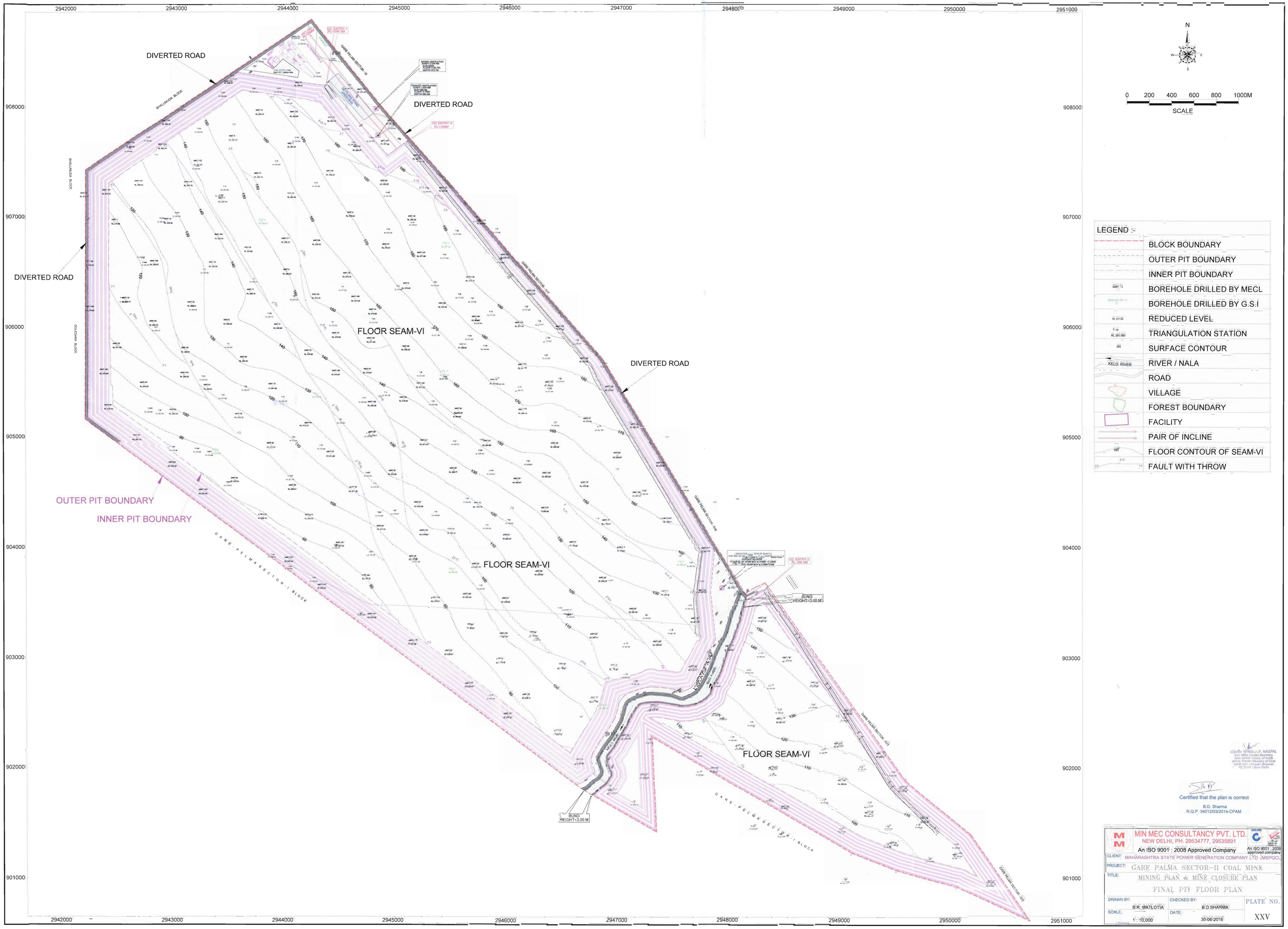
MIN MEC CONSULTANCY PVT. LTD.
NEW DELHI, PH. 29534777, 29535891
An ISO 9001 : 2008 Approved Company

CLIENT: MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)

PROJECT: GARE PALMA SECTOR-II COAL MINE

TITLE: MINING PLAN & MINE CLOSURE PLAN
UG STAGE PLAN AT THE END OF 25TH YEAR
(SEAM-III)

DRAWN BY:	CHECKED BY:	PLATE NO.
B.R. MATLOTIA	B.D.SHARMA	XXIV
SCALE : 1 : 10,000	DATE : 30-06-2016	



LEGEND :-

	BLOCK BOUNDARY
	OUTER PIT BOUNDARY
	INNER PIT BOUNDARY
SMT 73	BOREHOLE DRILLED BY MECL
	BOREHOLE DRILLED BY G.S.I
RL 277.68	REDUCED LEVEL
T-14 RL 281.980	TRIANGULATION STATION
266	SURFACE CONTOUR
KELO RIVER	RIVER / NALA
	ROAD
	VILLAGE
	FOREST BOUNDARY
	FACILITY
	PAIR OF INCLINE
160	FLOOR CONTOUR OF SEAM-VI
5 m F4 F4	FAULT WITH THROW

Certified that the plan is correct

B.D. Sharma
R.Q.P. 34012/03/2014-CPAM

MIN MEC CONSULTANCY PVT. LTD.
NEW DELHI, PH. 29534777, 29535891
An ISO 9001 : 2008 Approved Company

CLIENT: MAHARASHTRA STATE POWER GENERATION COMPANY LTD (MSPGCL)

PROJECT: GARE PALMA SECTOR–II COAL MINE

TITLE: MINING PLAN & MINE CLOSURE PLAN

FINAL PIT FLOOR PLAN

DRAWN BY:	CHECKED BY:	PLATE NO.
B.R. MATLOTIA	B.D.SHARMA	XXV
SCALE: 1 : 10,000	DATE: 30-06-2016	

LEGEND :-

	BLOCK BOUNDARY
	BOREHOLE DRILLED BY MECL
RGP-21 / RP-11	BOREHOLE DRILLED BY G.S.I
	OUTER PIT BOUNDARY
	INNER PIT BOUNDARY
	SURFACE CONTOUR
	RIVER / NALA
	BACKFILLING
	PLANTATION
	VILLAGE / HOUSES
	FOREST BOUNDARY
	ROAD
	FACILITY
	FENCING
C C'	SECTION LINE

आई०पी० नागपाल / I.P. NAGPAL
अवर सचिव / Under Secretary
भारत सरकार / Govt. of India
कोयला मंत्रालय / Ministry of Coal
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

Certified that the plan is correct

B.D. Sharma
R.Q.P. 34012/03/2014-CPAM

MIN MEC CONSULTANCY PVT. LTD.
NEW DELHI, PH. 29534777, 29535891
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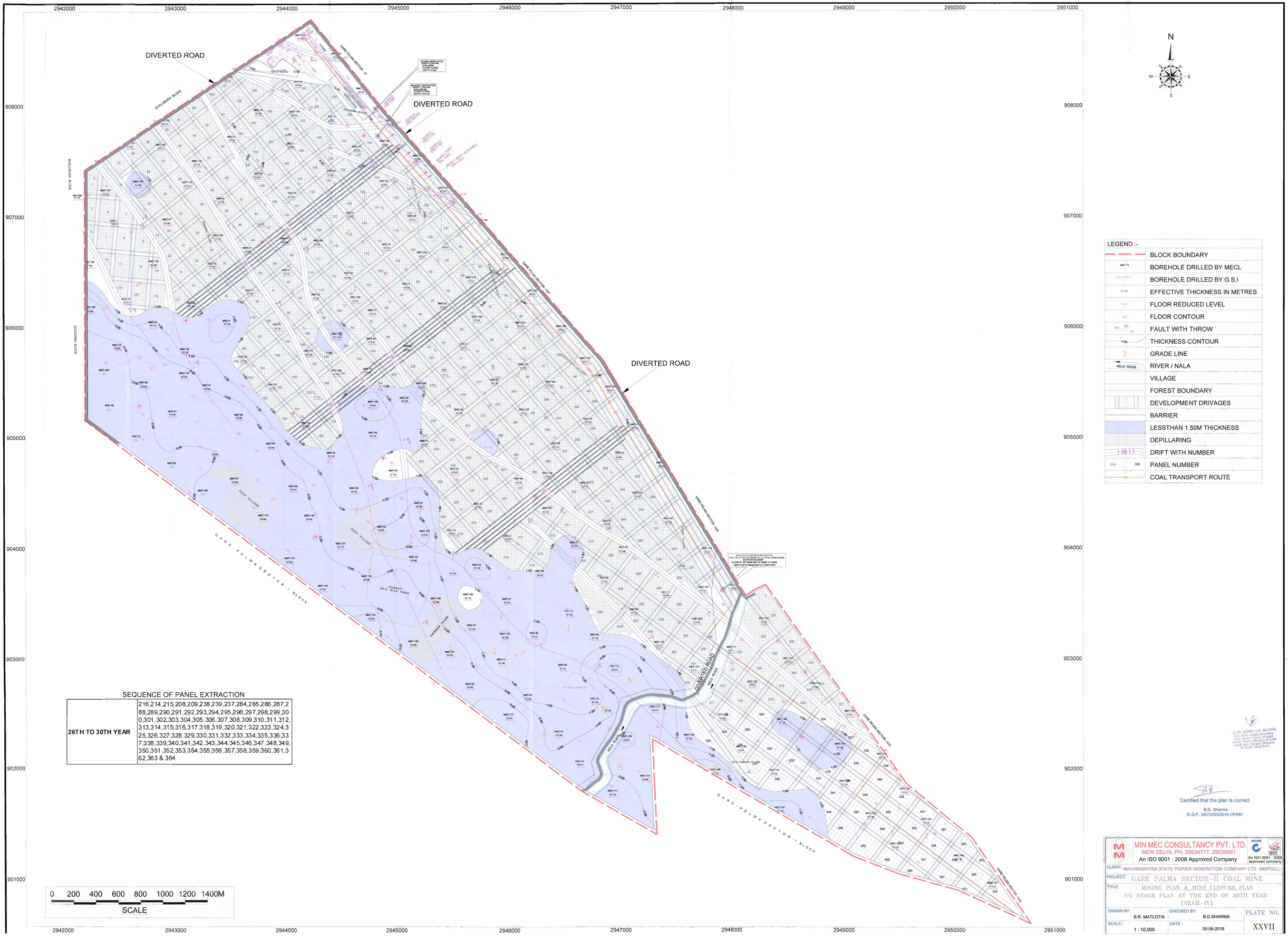
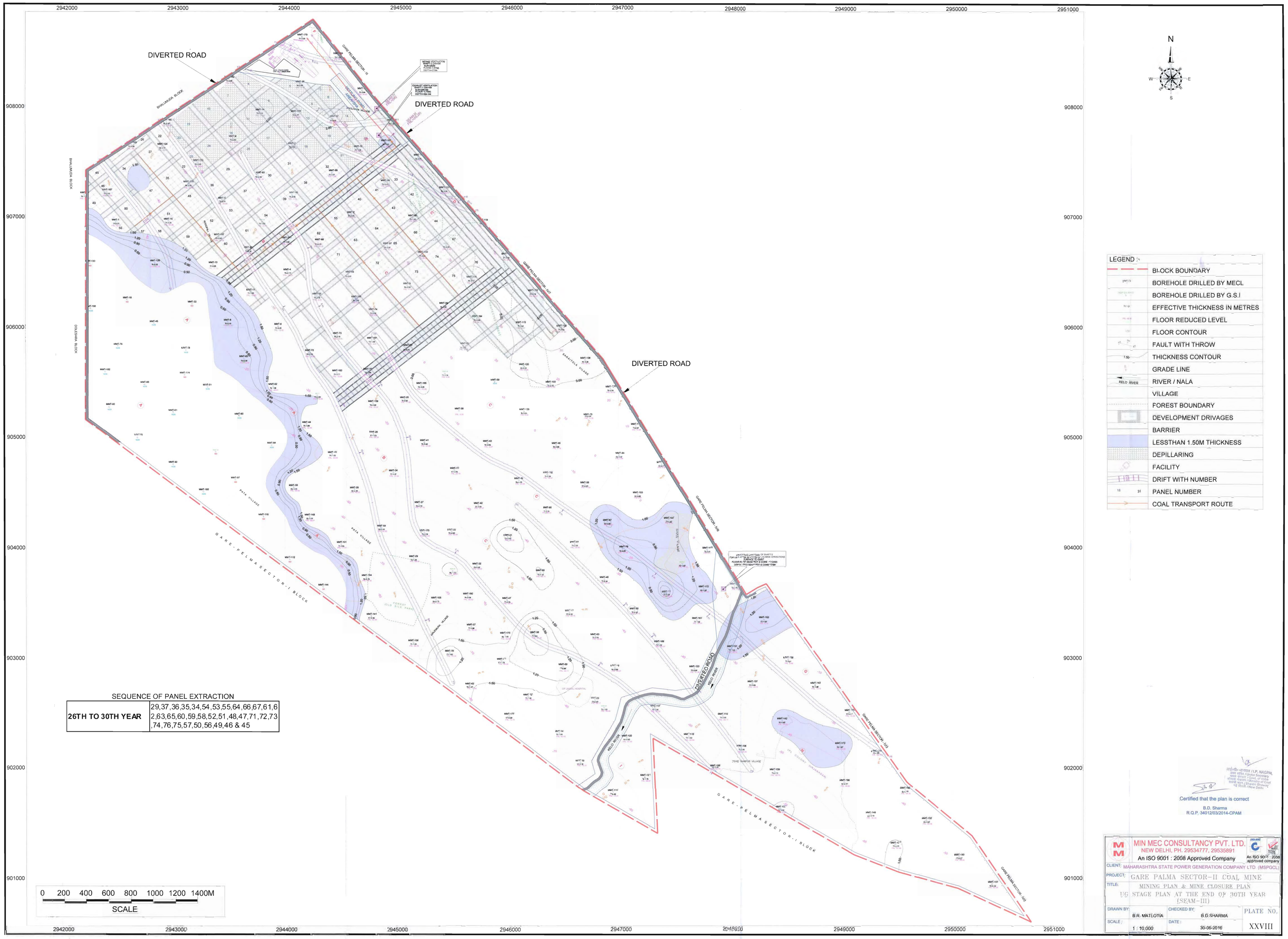
CLIENT:	MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)
PROJECT:	GARE PALMA SECTOR-II COAL MINE
TITLE:	MINING PLAN & MINE CLOSURE PLAN STAGE PLAN AT THE END OF OC MINE 29TH YEAR

DRAWN BY: B.R. MATLOTIA	CHECKED BY: B.D.SHARMA	PLATE NO.
SCALE : 1 : 10,000	DATE : 30-06-2016	XXVI



SEQUENCE OF PANEL EXTRACTION

26TH TO 30TH YEAR	216,214,215,208,209,238,239,237,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298,299,300,301,302,303,304,305,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321,322,323,324,325,326,327,328,329,330,331,332,333,334,335,336,337,338,339,340,341,342,343,344,345,346,347,348,349,350,351,352,353,354,355,356,357,358,359,360,361,362,363 & 364



SEQUENCE OF PANEL EXTRACTION

26TH TO 30TH YEAR	29,37,36,35,34,54,53,55,64,66,67,61,62,63,65,60,59,58,52,51,48,47,71,72,73,74,76,75,57,50,56,49,46 & 45

Certified that the plan is correct

B.D. Sharma
R.Q.P. 34012/03/2014-CPAM

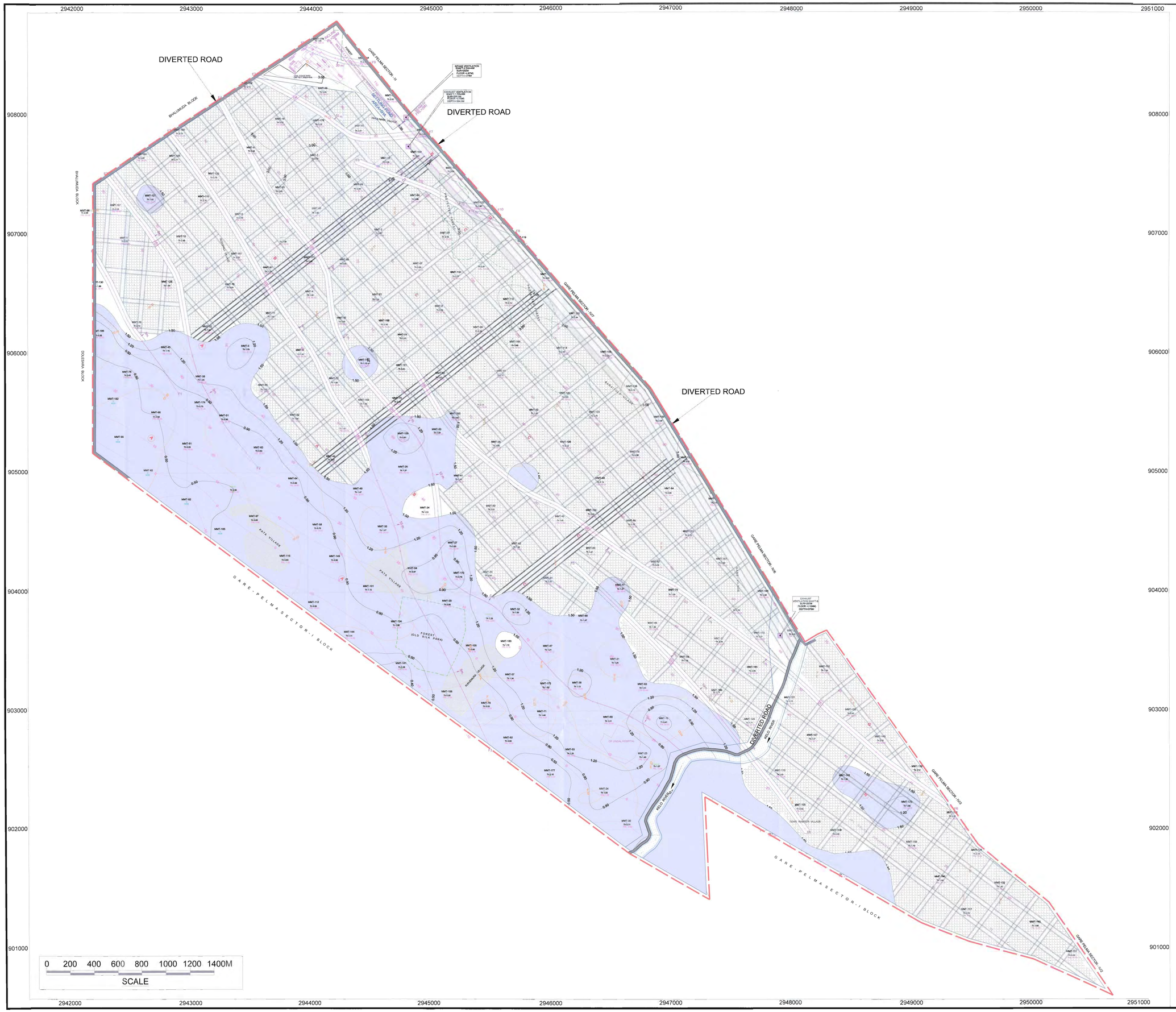
MIN MEC CONSULTANCY PVT. LTD.
NEW DELHI, PH. 29534777, 29535891
An ISO 9001 : 2008 Approved Company

CLIENT: MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)

PROJECT: GARE PALMA SECTOR-II COAL MINE

TITLE: MINING PLAN & MINE CLOSURE PLAN
UG STAGE PLAN AT THE END OF 30TH YEAR
(SEAM-III)

DRAWN BY: B.R. MATLOTIA	CHECKED BY: B.D.SHARMA	PLATE NO.
SCALE: 1 : 10,000	DATE: 30-06-2016	XXVIII



LEGEND :-

	BLOCK BOUNDARY
	BOREHOLE DRILLED BY MECL
	BOREHOLE DRILLED BY G.S.I
	EFFECTIVE THICKNESS IN METRES
	FLOOR REDUCED LEVEL
	FLOOR CONTOUR
	FAULT WITH THROW
	THICKNESS CONTOUR
	GRADE LINE
KELO RIVER	RIVER / NALA
	VILLAGE
	FOREST BOUNDARY
	DEVELOPMENT DRIVAGES
	BARRIER
	LESSTHAN 1.50M THICKNESS
	DEPILLARING
	DRIFT WITH NUMBER

Certified that the plan is correct

B.D. Sharma
R.Q.P. 34012/03/2014-CPAM

MIN MEC CONSULTANCY PVT. LTD.
NEW DELHI, PH. 29534777, 29535891
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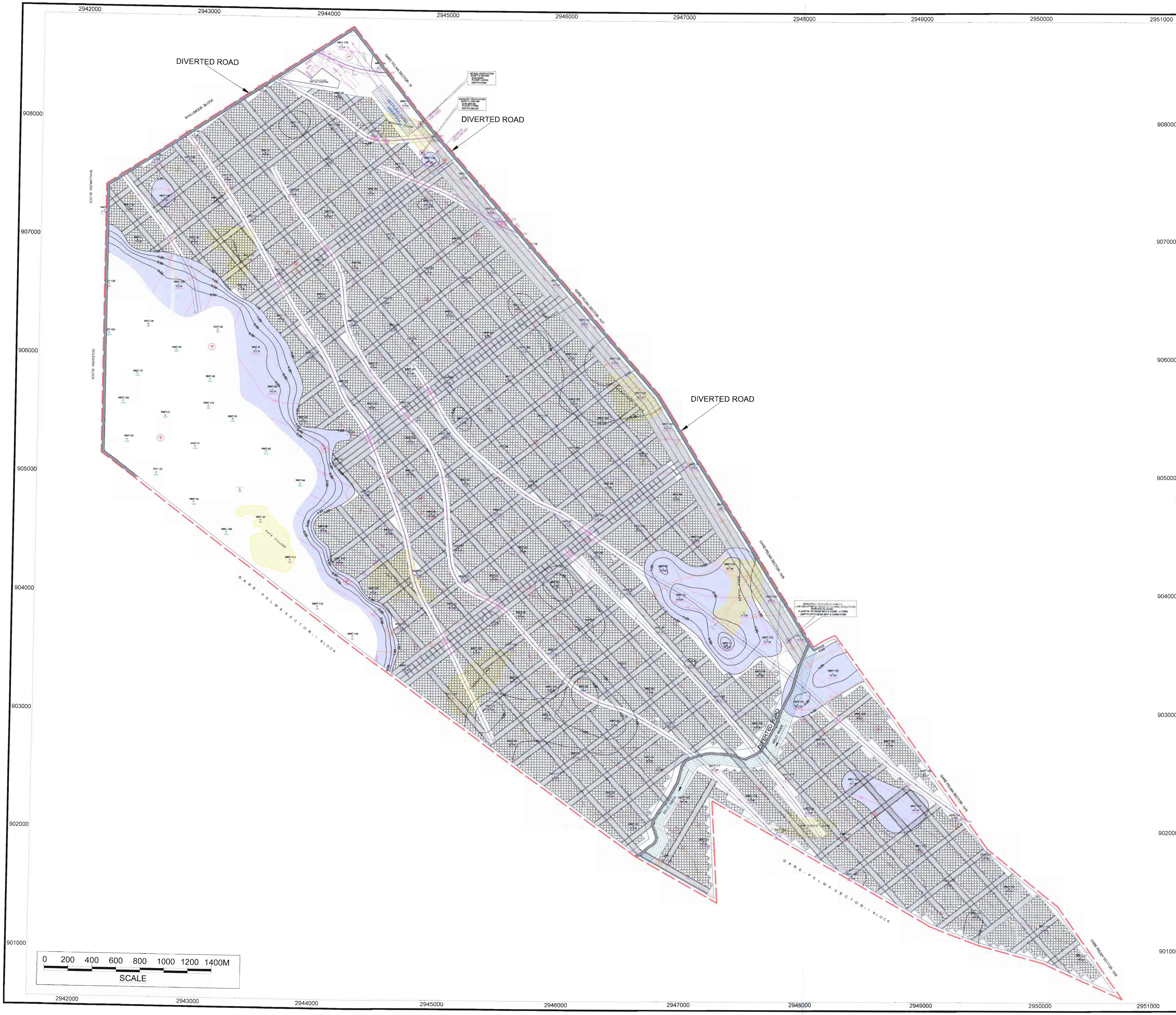
CLIENT: MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)

PROJECT: GARE PALMA SECTOR–II COAL MINE

TITLE: MINING PLAN & MINE CLOSURE PLAN
UG STAGE PLAN AT THE END OF SEAM–IV
(40TH YEAR)

DRAWN BY:	CHECKED BY:	PLATE NO.
B.R. MATLOTIA	B.D.SHARMA	XXIX
SCALE : 1 : 10,000	DATE : 30-06-2016	



LEGEND :-

	BLOCK BOUNDARY
	BOREHOLE DRILLED BY MECL
	BOREHOLE DRILLED BY G.S.I
	EFFECTIVE THICKNESS IN METRES
	FLOOR REDUCED LEVEL
	FLOOR CONTOUR
	FAULT WITH THROW
1.50	THICKNESS CONTOUR
	GRADE LINE
KELO RIVER	RIVER / NALA
	VILLAGE
	FOREST BOUNDARY
	DEVELOPMENT DRIVAGES
	BARRIER
	LESSTHAN 1.50M THICKNESS
	DEPILLARING
	FACILITY
	DRIFT WITH NUMBER

आई०पी० नागपाल / I.P. NAGPAL
अवर सचिव / Under Secretary
भारत सरकार / Govt. of India
कोयला मंत्रालय / Ministry of Coal
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

Certified that the plan is correct

B.D. Sharma
R.Q.P. 34012/03/2014-CPAM

MIN MEC CONSULTANCY PVT. LTD.
NEW DELHI, PH. 29534777, 29535891
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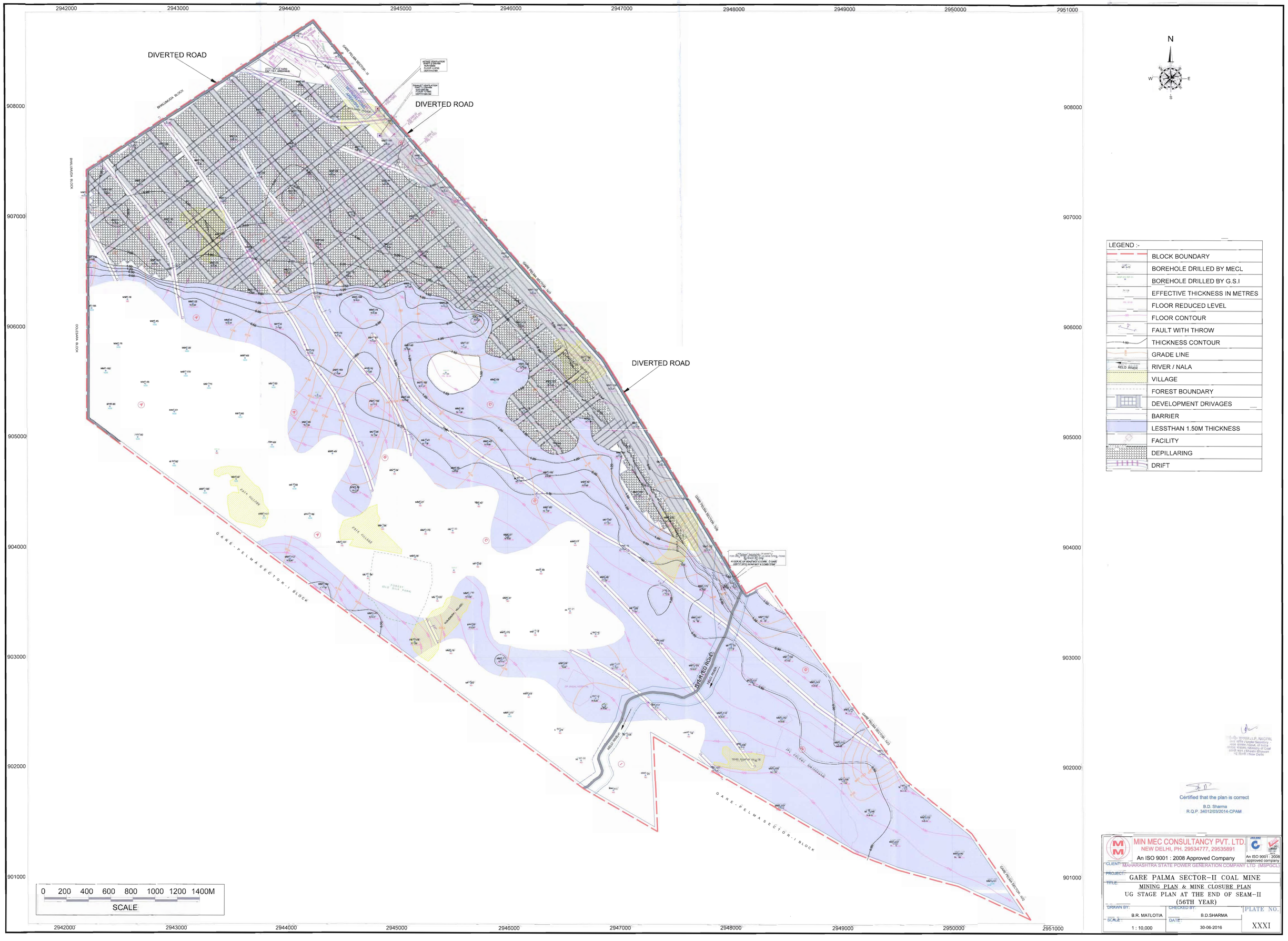
JAS-ANZ
ISO 9001 Approved Company
An ISO 9001 : 2008 approved company

CLIENT: MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)

PROJECT: GARE PALMA SECTOR-II COAL MINE

TITLE: MINING PLAN & MINE CLOSURE PLAN
UG STAGE PLAN AT THE END OF SEAM-III
(47TH YEAR)

DRAWN BY:	CHECKED BY:	PLATE NO.
B.R. MATLOTIA	B.D.SHARMA	XXX
SCALE : 1 : 10,000	DATE : 30-06-2016	



LEGEND :-

	BLOCK BOUNDARY
	BOREHOLE DRILLED BY MECL
	BOREHOLE DRILLED BY G.S.I
	EFFECTIVE THICKNESS IN METRES
	FLOOR REDUCED LEVEL
	FLOOR CONTOUR
	FAULT WITH THROW
	THICKNESS CONTOUR
	GRADE LINE
KELO RIVER	RIVER / NALA
	VILLAGE
	FOREST BOUNDARY
	DEVELOPMENT DRIVAGES
	BARRIER
	LESSTHAN 1.50M THICKNESS
	FACILITY
	DEPILLARING
	DRIFT

J.L.P. NAGPAL
अवर सचिव / Under Secretary
भारत सरकार / Govt. of India
कोयला मंत्रालय / Ministry of Coal
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

Certified that the plan is correct

B.D. Sharma
R.Q.P. 34012/03/2014-CPAM

MIN MEC CONSULTANCY PVT. LTD.
NEW DELHI, PH. 29534777, 29535891
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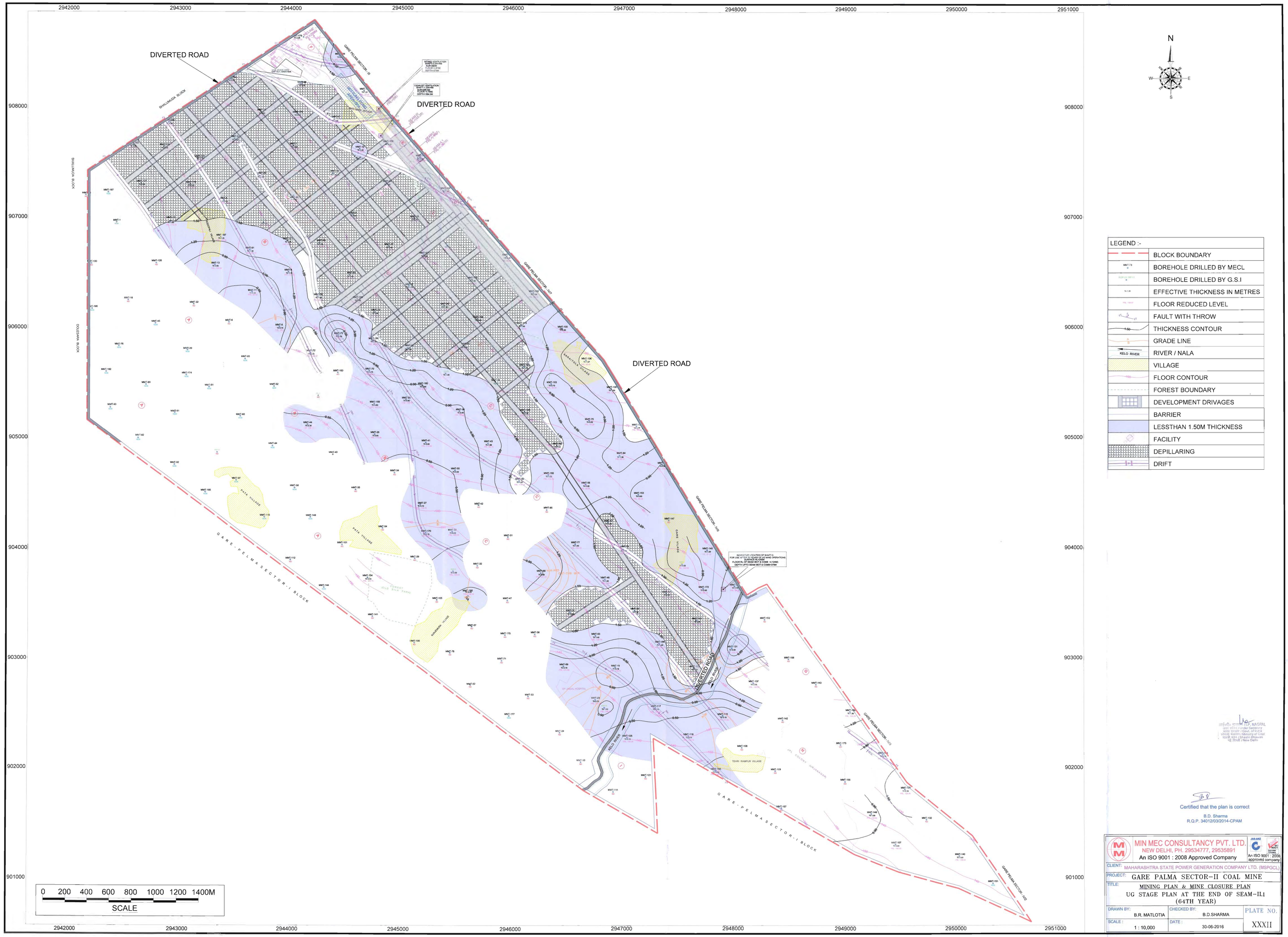
CLIENT: MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)

PROJECT:

TITLE: GARE PALMA SECTOR–II COAL MINE
MINING PLAN & MINE CLOSURE PLAN
UG STAGE PLAN AT THE END OF SEAM–II
(56TH YEAR)

DRAWN BY:	CHECKED BY:	PLATE NO.
B.R. MATLOTIA	B.D.SHARMA	XXXI
SCALE: 1 : 10,000	DATE: 30-06-2016	



LEGEND :-	
	BLOCK BOUNDARY
	BOREHOLE DRILLED BY MECL
	BOREHOLE DRILLED BY G.S.I
	EFFECTIVE THICKNESS IN METRES
	FLOOR REDUCED LEVEL
	FAULT WITH THROW
	THICKNESS CONTOUR
	GRADE LINE
KELO RIVER	RIVER / NALA
	VILLAGE
	FLOOR CONTOUR
	FOREST BOUNDARY
	DEVELOPMENT DRIVAGES
	BARRIER
	LESSTHAN 1.50M THICKNESS
	FACILITY
	DEPILLARING
	DRIFT

T.P. NAGPAL
Under Secretary
Govt. of India
Ministry of Coal
Shastri Bhawan
New Delhi

Certified that the plan is correct

B.D. Sharma
R.Q.P. 34012/03/2014-CPAM

MIN MEC CONSULTANCY PVT. LTD.
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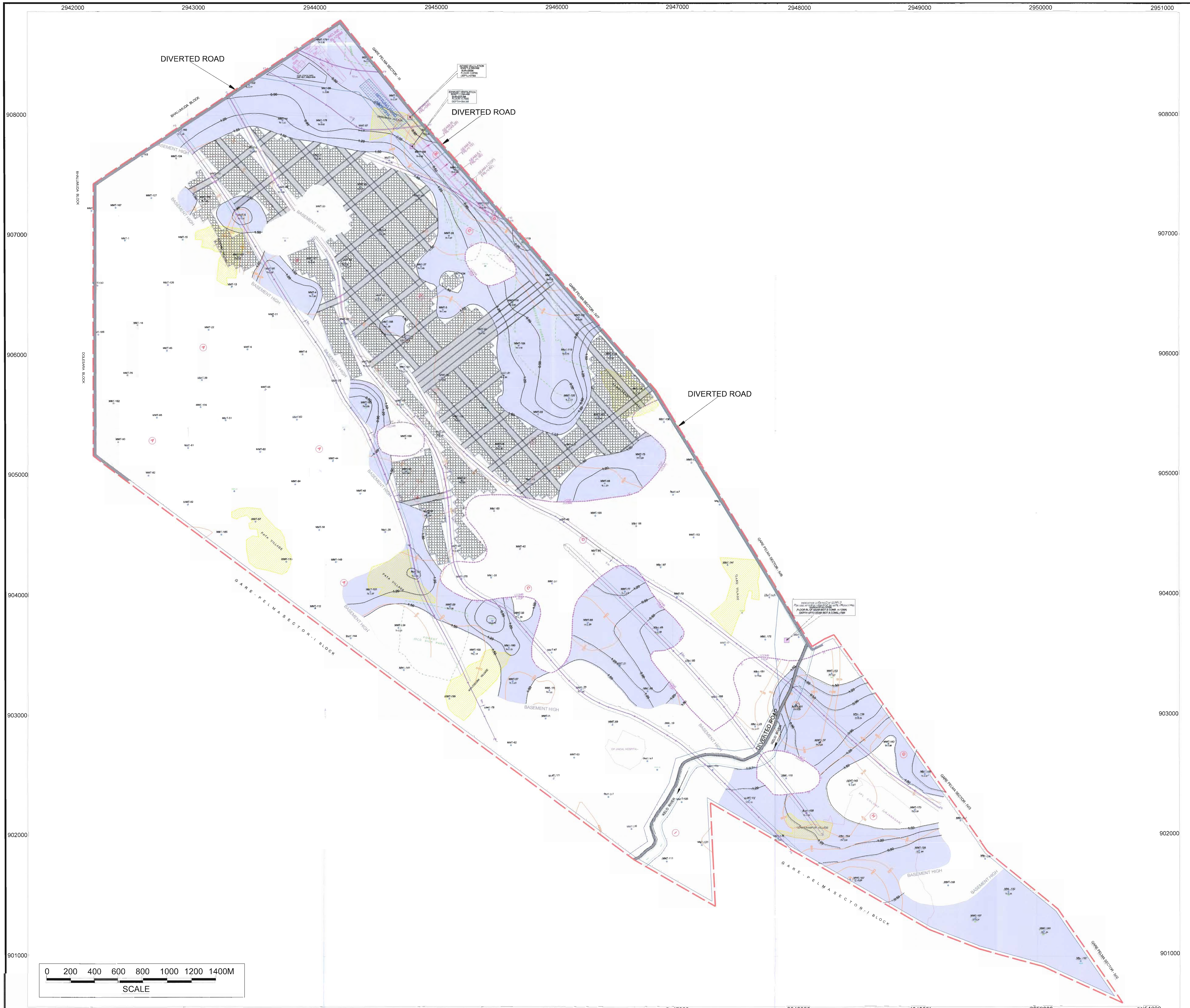
CLIENT: MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)

PROJECT: GARE PALMA SECTOR–II COAL MINE

TITLE: MINING PLAN & MINE CLOSURE PLAN
UG STAGE PLAN AT THE END OF SEAM–II1
(64TH YEAR)

DRAWN BY:	CHECKED BY:	PLATE NO.
B.R. MATLOTIA	B.D.SHARMA	XXXII
SCALE : 1 : 10,000	DATE : 30-06-2016	

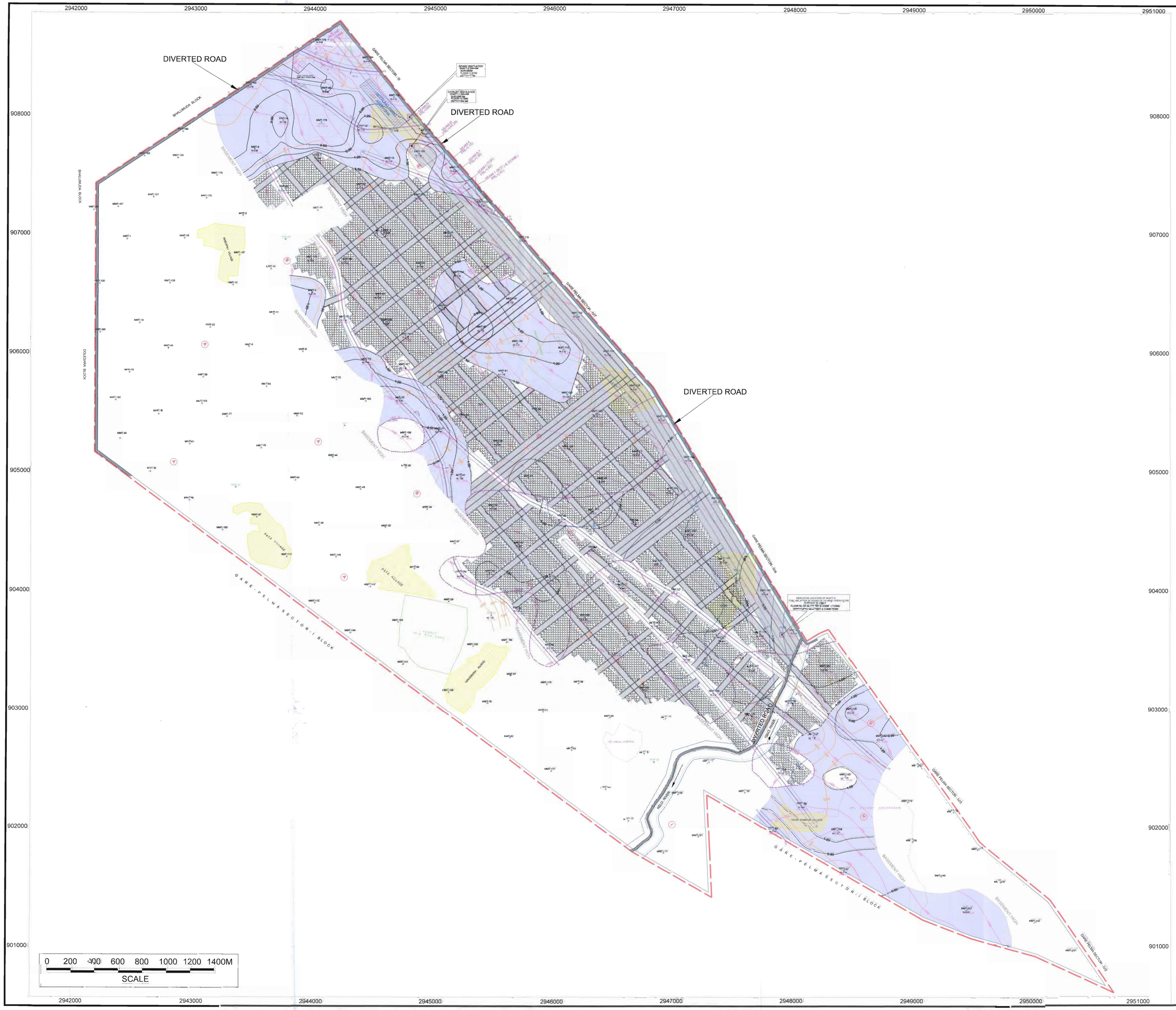


आई०पी० नागपाल / I.P. NAGPAL
अवर सचिव / Under Secretary
भारत सरकार / Govt. of India
कोयला मंत्रालय / Ministry of Coal
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

Certified that the plan is correct

B.D. Sharma
R.Q.P. 34012/03/2014-CPAM

MIN MEC CONSULTANCY PVT. LTD. NEW DELHI, PH. 29534777, 29535891 An ISO 9001 : 2008 Approved Company	An ISO 9001 : 2008 approved company
CLIENT: MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)	
PROJECT: GARE PALMA SECTOR–II COAL MINE	
TITLE: MINING PLAN & MINE CLOSURE PLAN UG STAGE PLAN AT THE END OF SEAM–I (TOP) (66TH YEAR)	
DRAWN BY: B.R. MATLOTIA	CHECKED BY: B.D.SHARMA
SCALE : 1 : 10,000	DATE : 30-06-2016
PLATE NO. XXXIII	



N

LEGEND :-

	BLOCK BOUNDARY
	BOREHOLE DRILLED BY MECL
	BOREHOLE DRILLED BY G.S.I
	EFFECTIVE THICKNESS IN METRES
	FLOOR REDUCED LEVEL
	FLOOR CONTOUR
	FAULT WITH THROW
	THICKNESS CONTOUR
	GRADE LINE (I BOT.)
	GRADE LINE (SEAM-I COMB.)
KELO RIVER	RIVER / NALA
	VILLAGE
	SPLIT LINE
	FOREST BOUNDARY
	DEVELOPMENT DRIVAGES
	BARRIER
	LESSTHAN 1.50M THICKNESS
	DEPILLARING
	DRIFT

Certified that the plan is correct

B.D. Sharma
R.Q.P. 34012/03/2014-CPAM

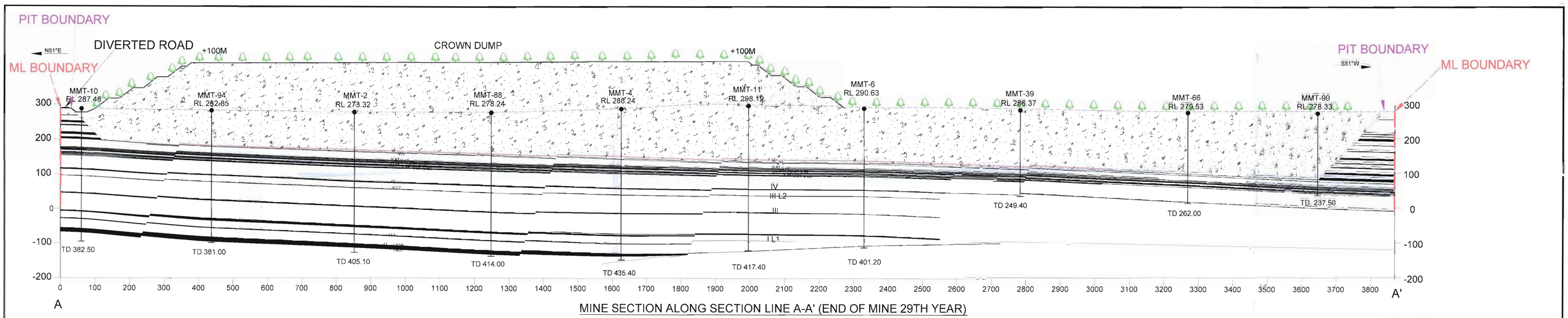
MIN MEC CONSULTANCY PVT. LTD.
NEW DELHI, PH. 29534777, 29535891
An ISO 9001 : 2008 Approved Company

CLIENT: MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)

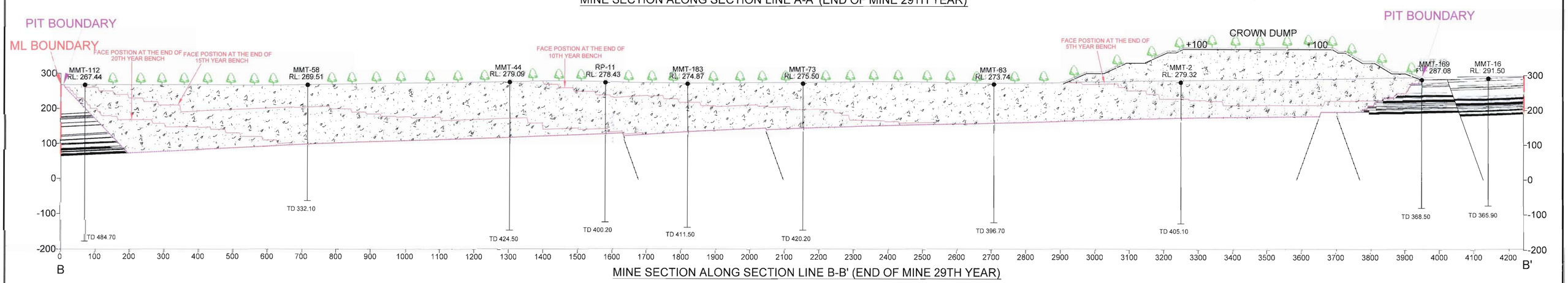
PROJECT: GARE PALMA SECTOR–II COAL MINE

TITLE: MINING PLAN & MINE CLOSURE PLAN
UG STAGE PLAN AT THE END OF MINE 77TH YEAR
SEAM–I (BOT.) & (COMB.)

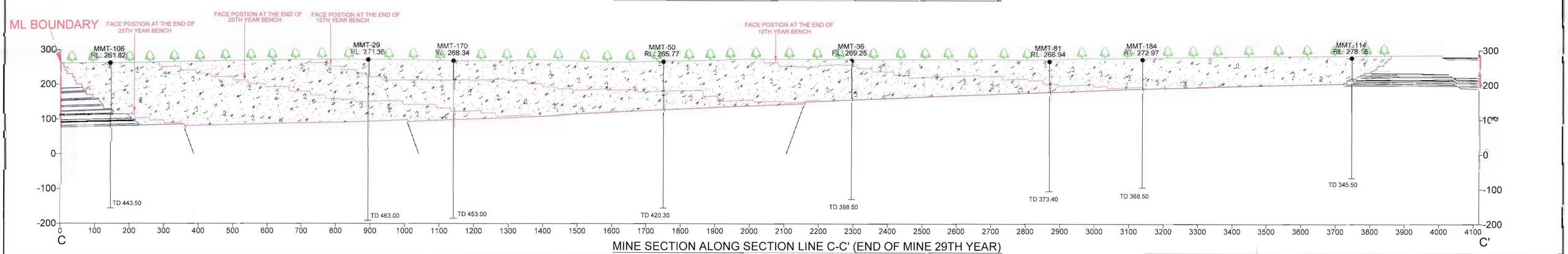
DRAWN BY: B.R. MALOTIA	CHECKED BY: B.D.SHARMA	PLATE NO.
SCALE: 1 : 10,000	DATE: 30.06.2016	XXXIV



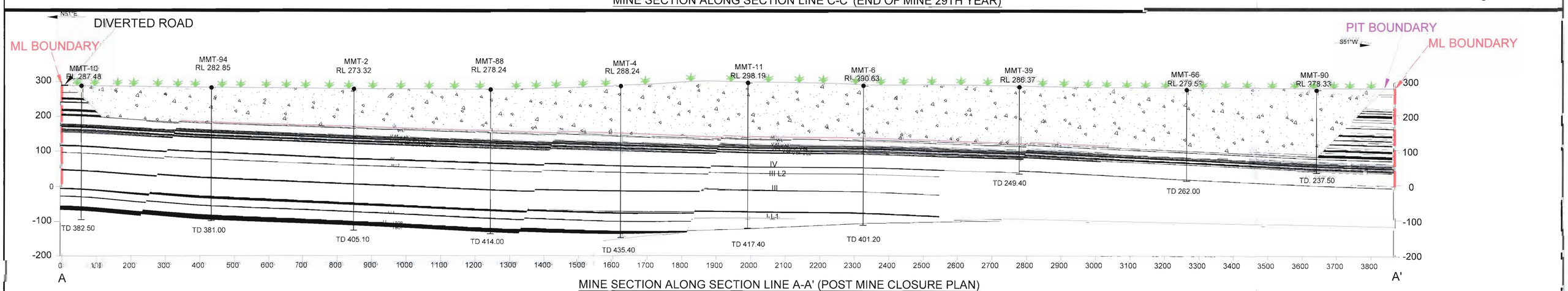
MINE SECTION ALONG SECTION LINE A-A' (END OF MINE 29TH YEAR)



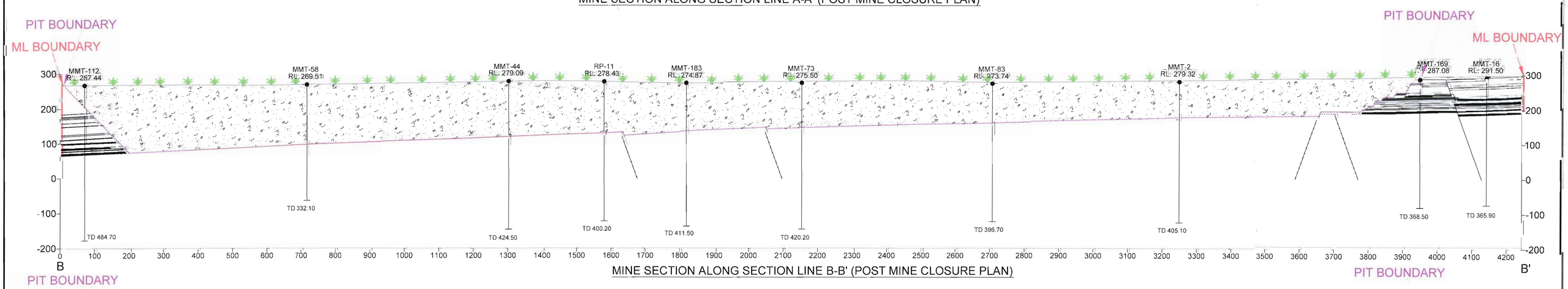
MINE SECTION ALONG SECTION LINE B-B' (END OF MINE 29TH YEAR)



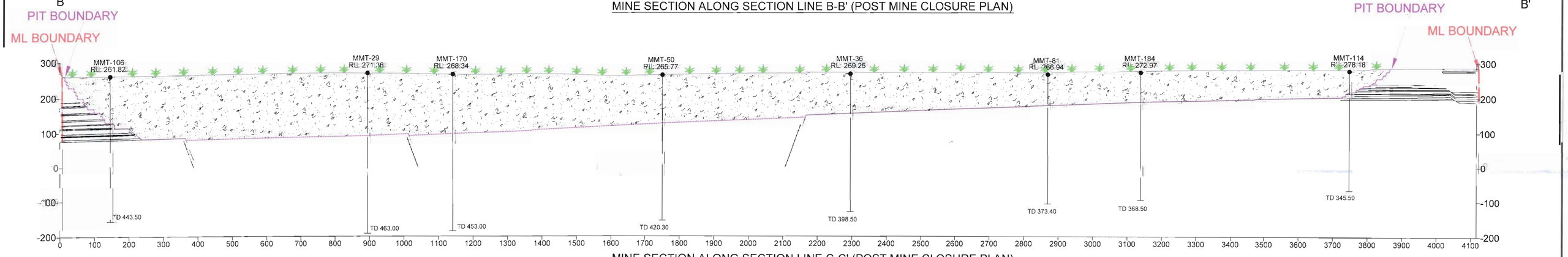
MINE SECTION ALONG SECTION LINE C-C' (END OF MINE 29TH YEAR)



MINE SECTION ALONG SECTION LINE A-A' (POST MINE CLOSURE PLAN)



MINE SECTION ALONG SECTION LINE B-B' (POST MINE CLOSURE PLAN)



MINE SECTION ALONG SECTION LINE C-C' (POST MINE CLOSURE PLAN)

LEGEND :-

— — —	BLOCK BOUNDARY
MMT-29 ●	BOREHOLE DRILLED BY MECL
RL: 271.36	REDUCED LEVEL (M)
TD:443.50	TOTAL DEPTH (M)
	OC ULTIMATE PIT LIMIT
	AGRICULTURE USE LAND
	PLANTATION
	BACKFILLING
	COAL SEAM

Certified that the plan is correct

B.D. Sharma
R.Q.P. 34012/03/2014-CPAM

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NEW DELHI, PH. 29534777, 29535891
An ISO 9001 : 2008 Approved Company

CLIENT: MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)

PROJECT: GARE PALMA SECTOR-II COAL MINE

TITLE: MINING PLAN & MINE CLOSURE PLAN

MINE CROSSS SECTIONS

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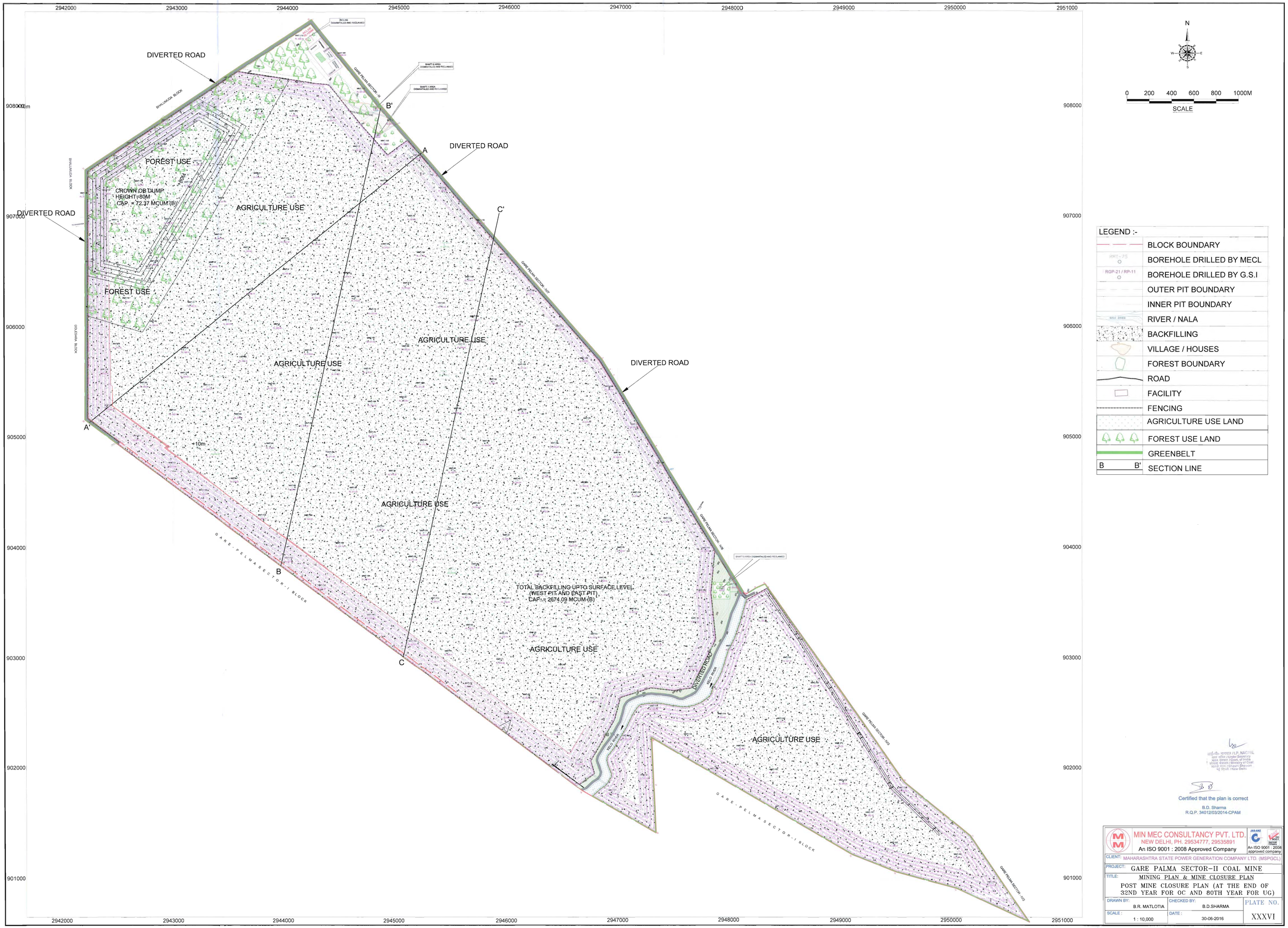
B.R. MATLOTIA	B.D.SHARMA	XXXV
SCALE : 1 : 5,000	DATE : 30-06-2016	



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CLIENT: MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)

PROJECT: GARE PALMA SECTOR–II COAL MINE

TITLE: MINING PLAN & MINE CLOSURE PLAN
POST MINE CLOSURE PLAN (AT THE END OF 32ND YEAR FOR OC AND 80TH YEAR FOR UG)

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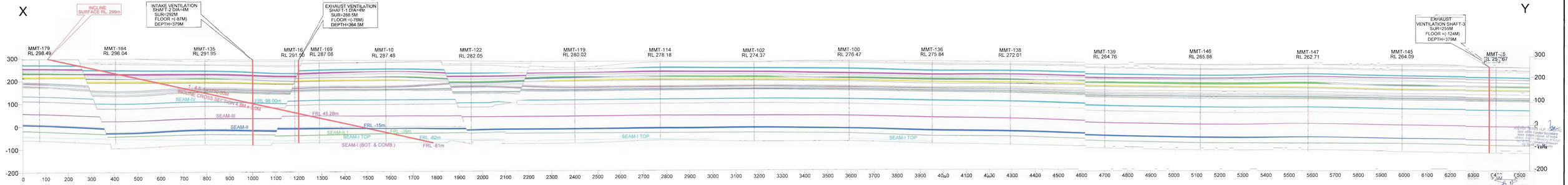
B.R. MATLOTIA	B.D.SHARMA	XXXVI
SCALE : 1 : 10,000	DATE : 30-06-2016	



MMT-179 BOREHOLE

RL REDUCED LEVEL

COAL SEAM

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CLIENT: MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)

PROJECT: GARE PALMA SECTOR-II COAL MINE

TITLE: MINING PLAN & MINE CLOSURE PLAN
INCLINE SECTION

DRAWN BY: B.R. MATLOTIA	CHECKED BY: B.D.SHARMA	PLATE NO.
SCALE: 1 : 5,000	DATE: 20-06-2018	XXXVIII

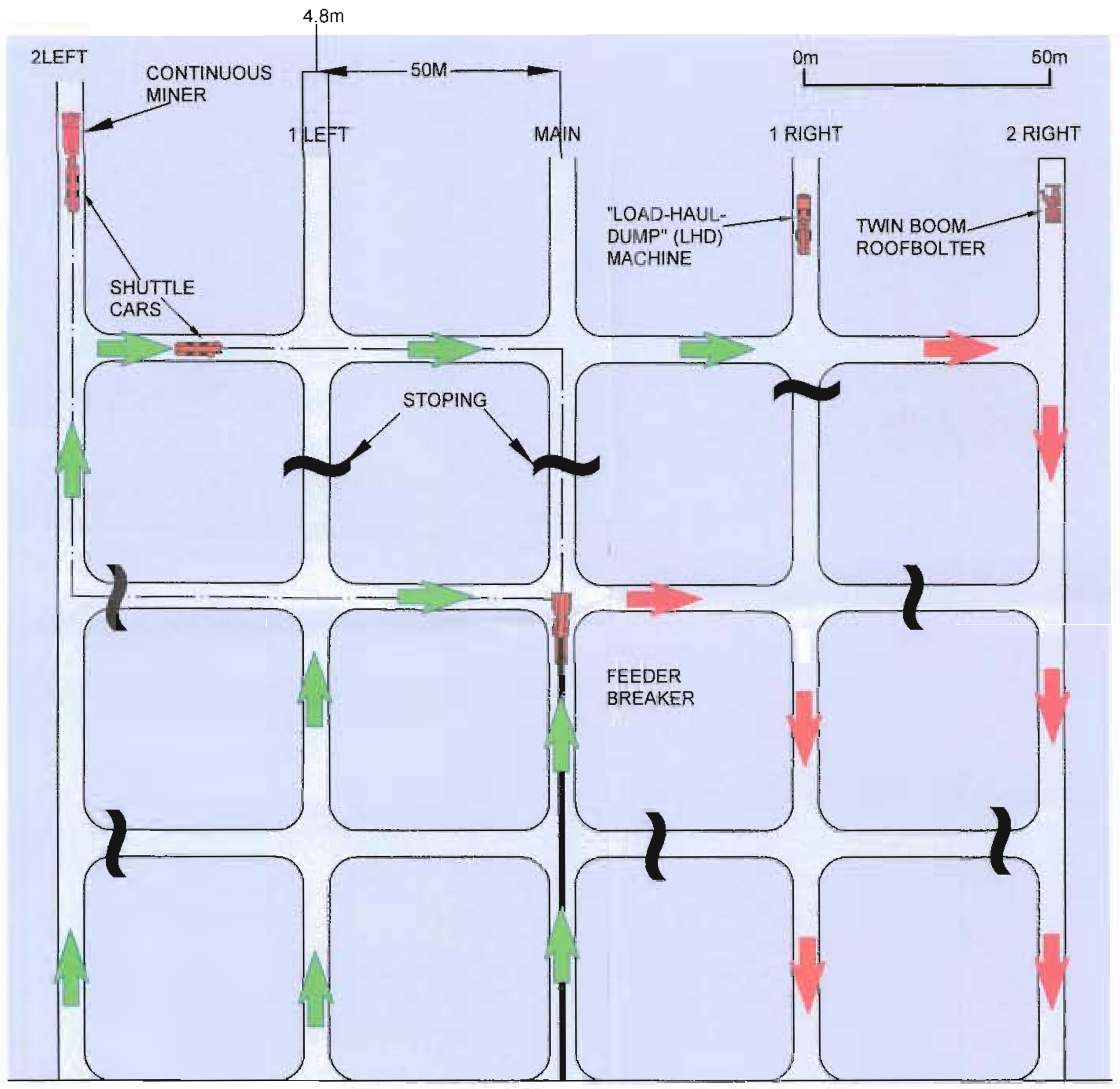

FIG.1 ENTRY MECHANISED ROOM & PILLAR LAYOUT

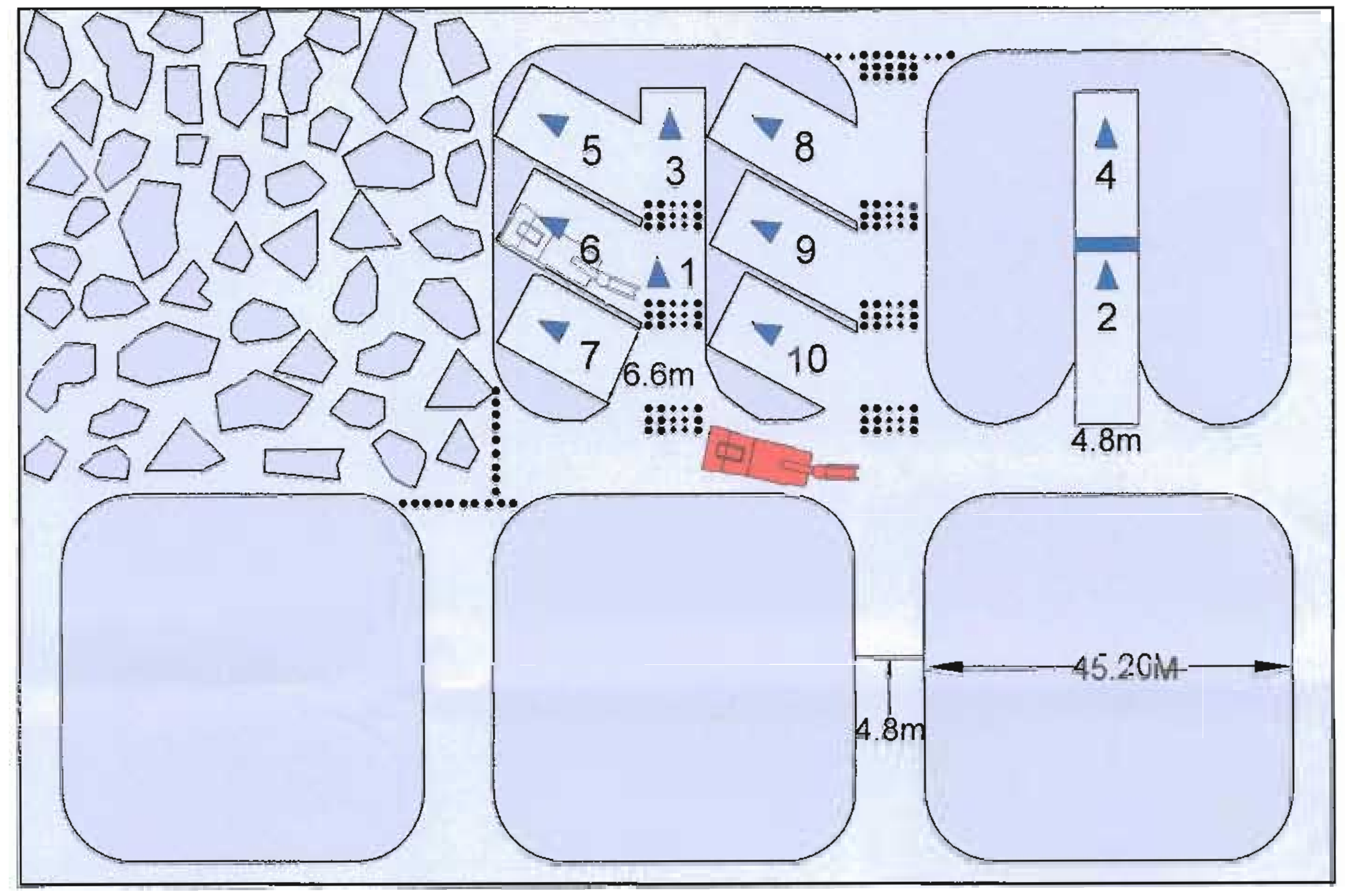

FIG.2 TYPICAL SPLIT & FENDER DE-PILLARING-AS PER CHIRIMIRI MINE MODEL OF SECL

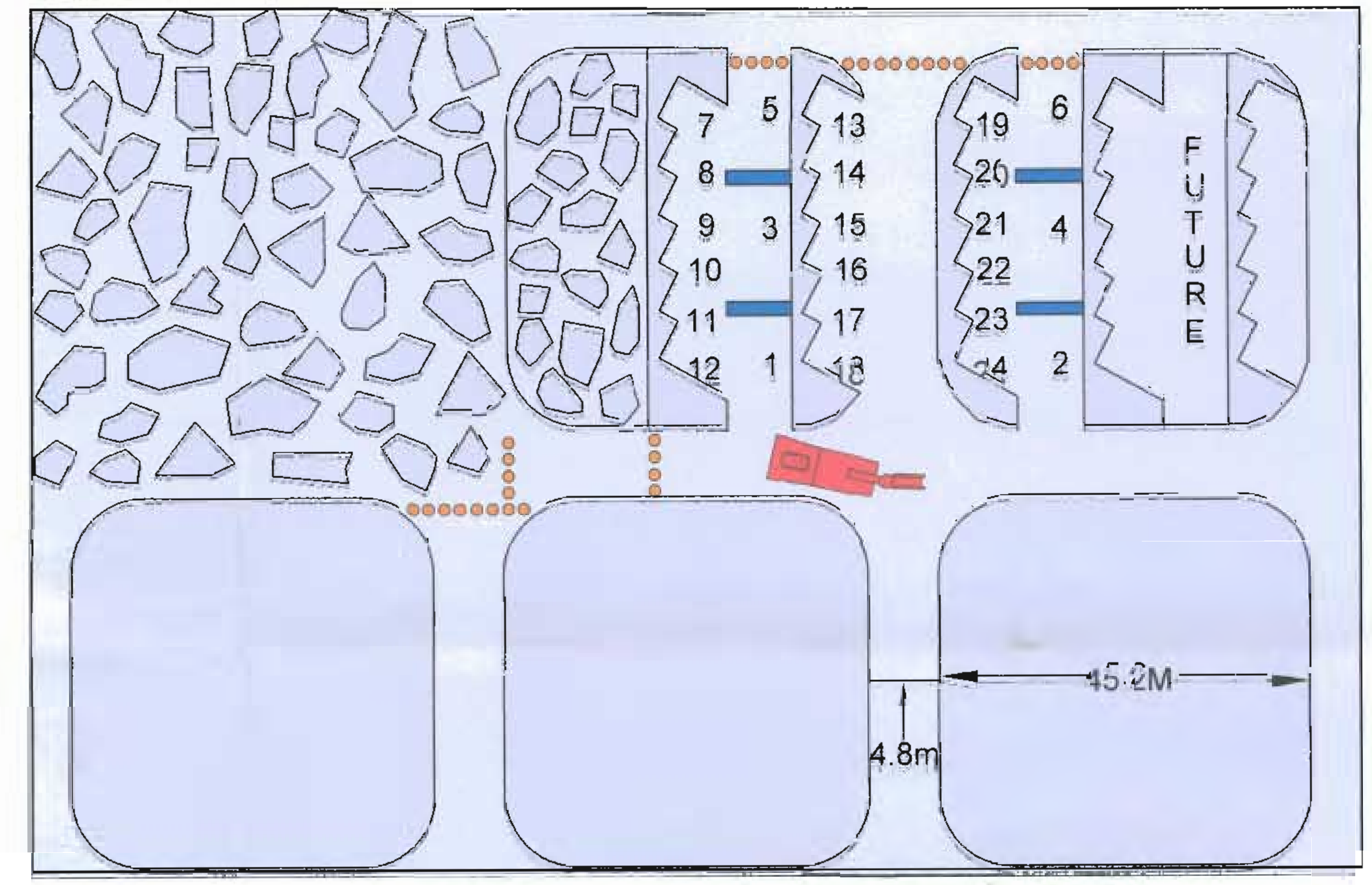

FIG.3 OPTIONAL DOUBLE SPLIT DE-PILLARING

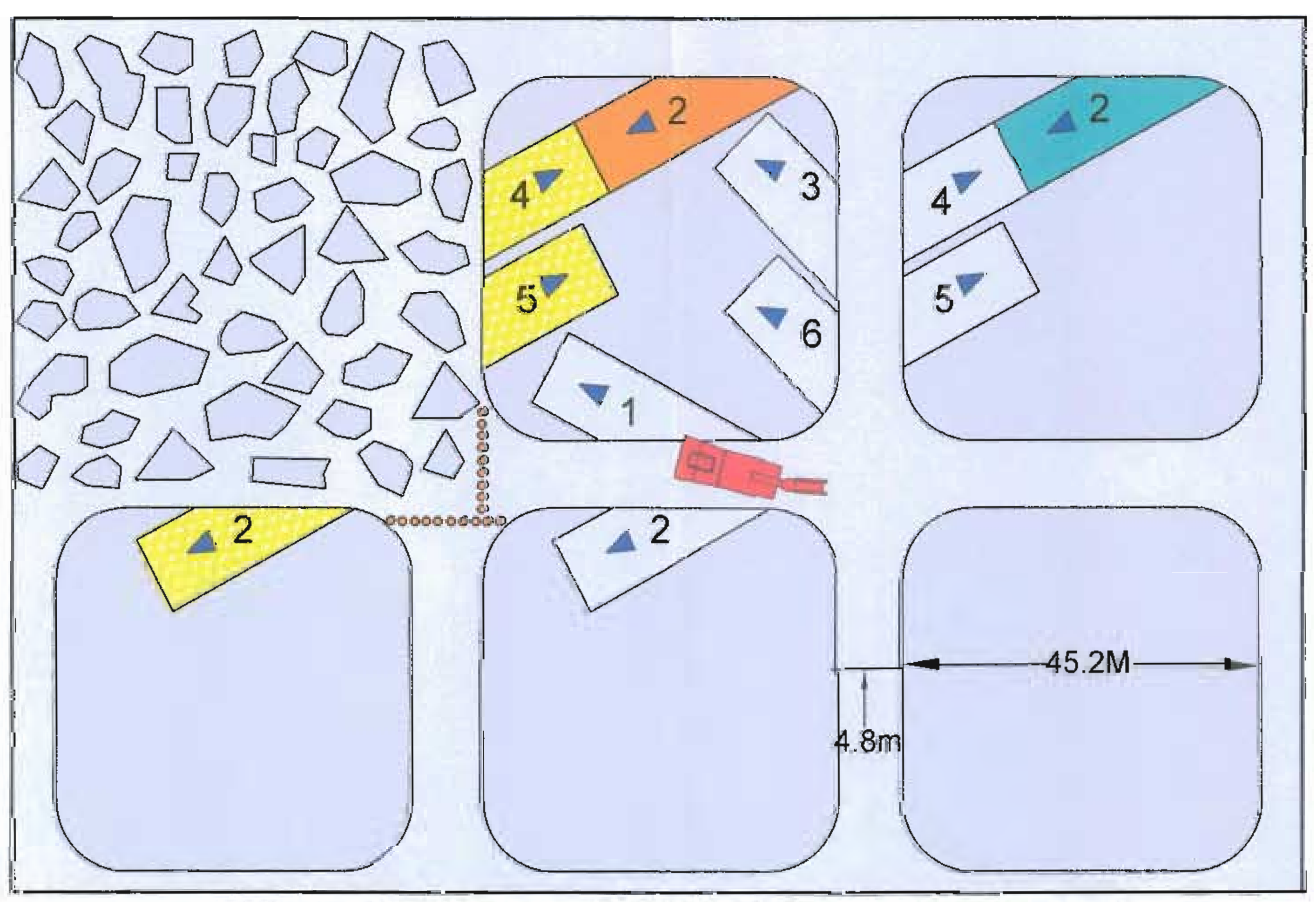

FIG.4 NEVID METHOD OF DE-PILLARING
(DIFFERENT CUTS SHOWN IN DIFFERENT COLOURS)

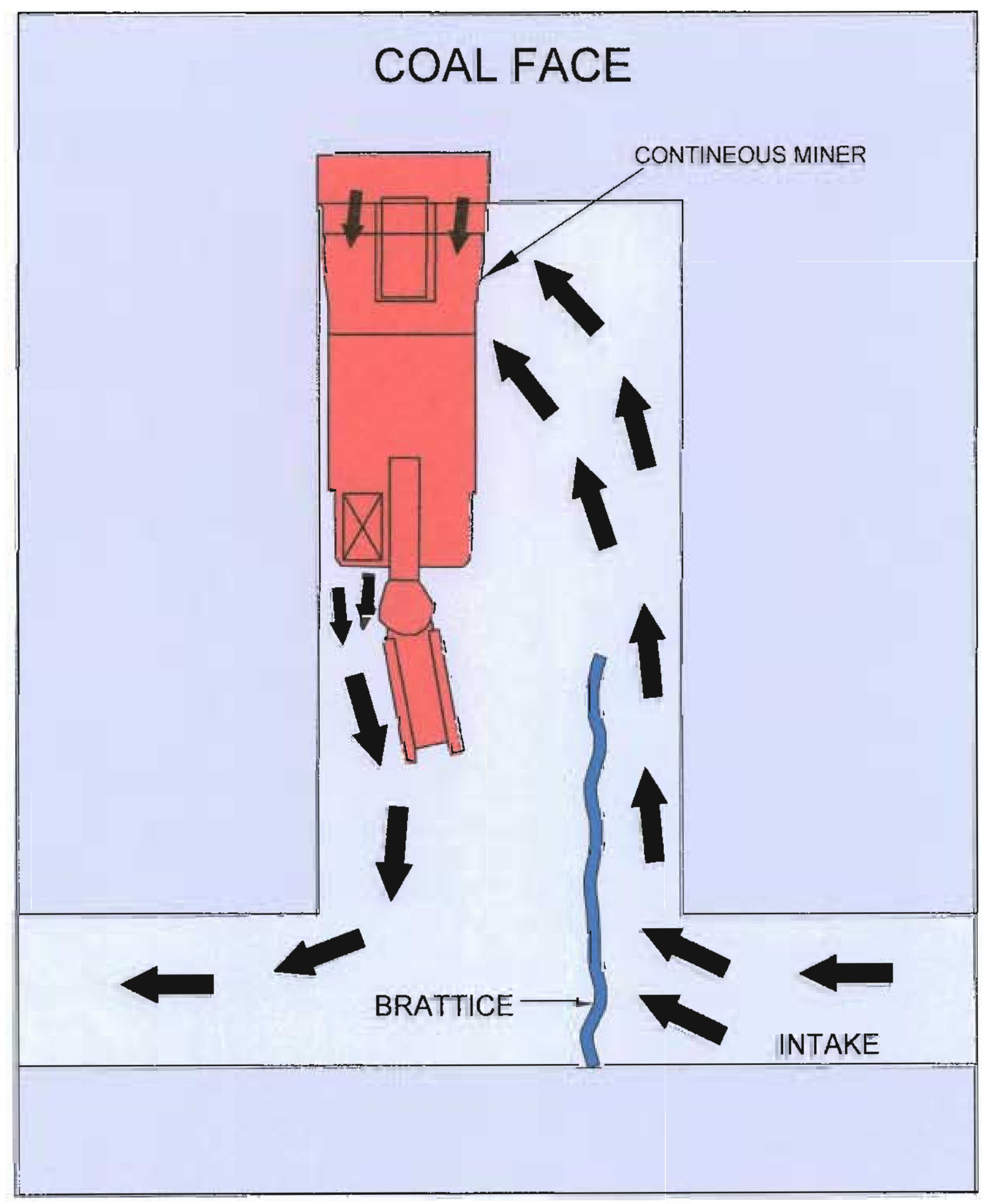

FIG.6 BRATTICE & MACHINE MOUNTED SCRUBBER VENTILATION SEYSTEM

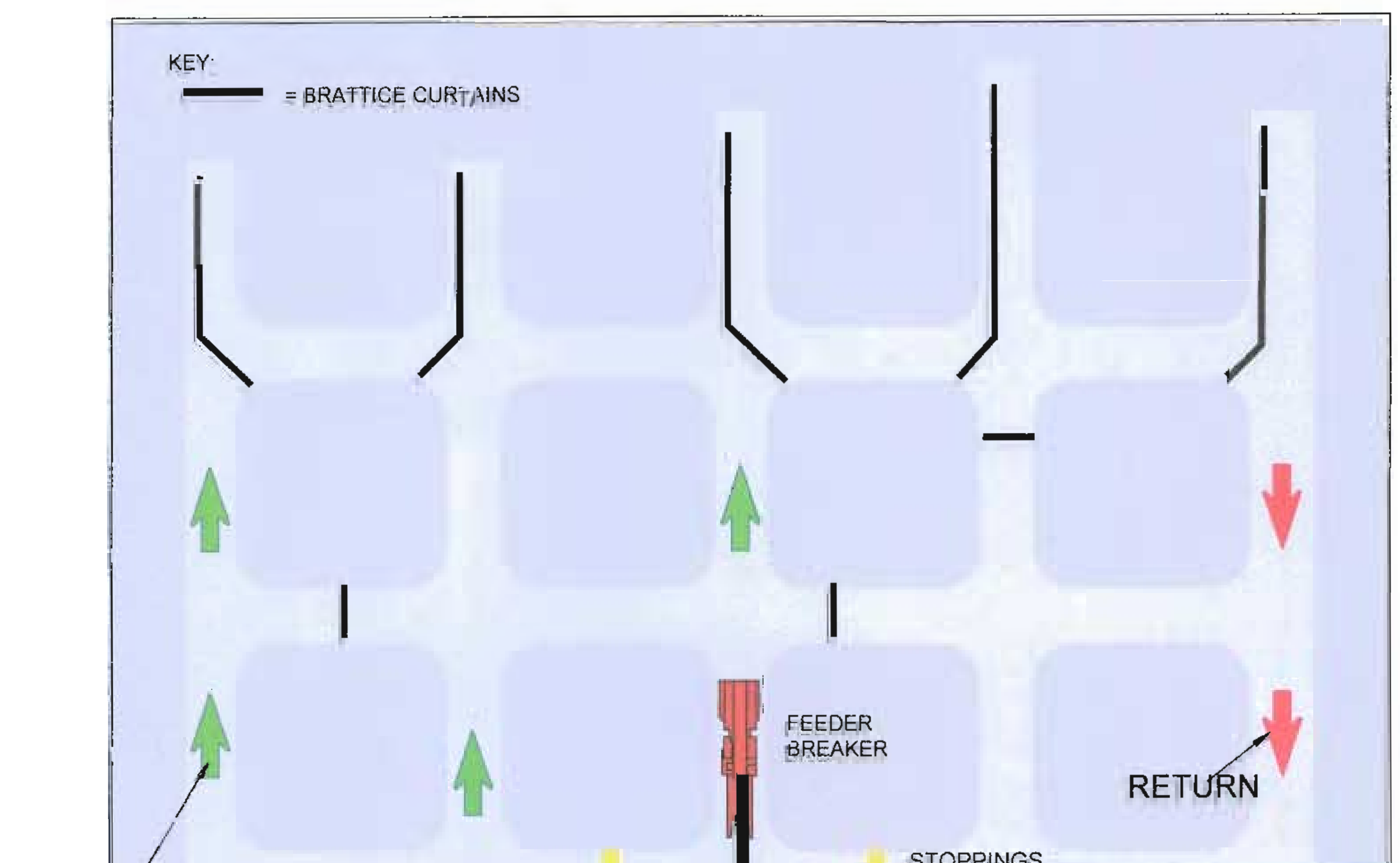

FIG.5 SINGLE SPLIT VENTILATION SYSTEM USING BRATTICES

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अवर सचिव / Under Secretary
भारत सरकार / Govt. of India
कोयला मंत्रालय / Ministry of Coal
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

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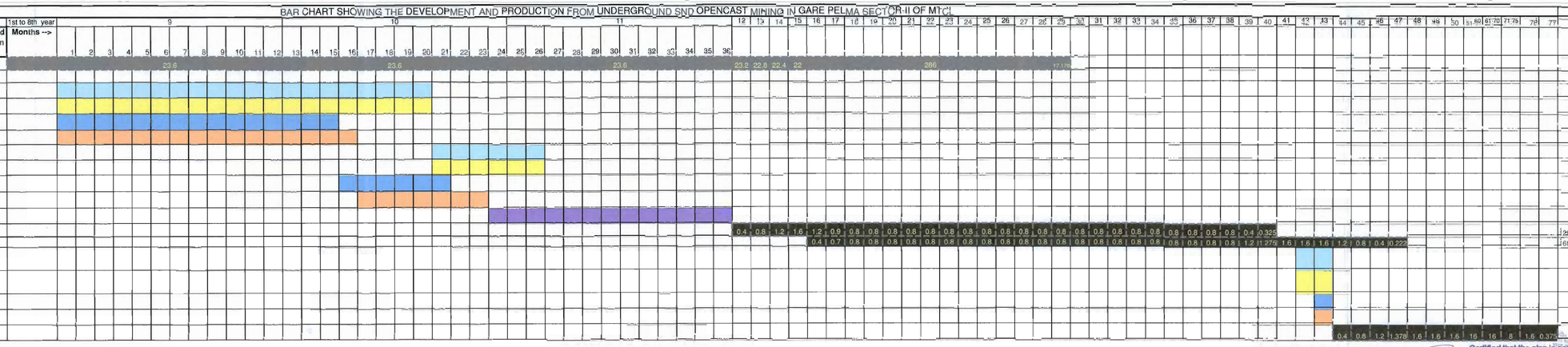
CLIENT	MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)
PROJECT	GARE PALMA SECTOR-II COAL MINE
TITLE	MINING PLAN & MINE CLOSURE PLAN CONTINEOUS MINE PANEL DEVELOPMENT DEPILLARING, VENTILATION & TRANSPORT
DRAWN BY: B.R. MATLOTIA	CHECKED BY: B.D.SHARMA
SCALE: NOT TO SCALE	DATE: 25-02-2016
PLATE NO.	XXXVIII

BAR CHART SHOWING THE DEVELOPMENT AND PRODUCTION FROM UNDERGROUND SND OPENCAST MINING IN GARE PELMA SECTOR-II OF MTCL

Sl. No.	Particulars	Length of Drivage (m)	Progress m/month	Time required for Drivage in months
I	**OPENCAST COAL PRODUCTION**			
II	**UNDERGROUND DEVELOPMENT**			
1	Drivage of Incline No.1 from surface SRL 299M to Seam –IV at floor FRL 98m at Gradient 1 in 4.5 (4.8mX3.0m).	904.5	45	20.1
2	Drivage of Incline No.2 from surface SRL 299M to Seam –IV at floor FRL 98m at Gradient 1 in 4.5 (4.8mX3.0m).	904.5	45	20.1
3	Return Ventilation Shaft-1 sinking from a point having 288.6m RL near incline to seam-IV at FRL (+) 111m	177.5	12	14.8
4	Intake Ventilation Shaft-2 sinking from a point having 292m SRL near incline to seam-IVat FRL (+) 103m	189	12	15.8
5	Drivage of Incline No. 1 from Seam-IV FRL 98M to Seam –III at FRL 45.28m at Gradient 1 in 4.5 (4.8mX3.0m).	237.24	45	5.3
6	Drivage of Incline No. 2 from Seam-IV FRL 98M to Seam –III at FRL 45.28m at Gradient 1 in 4.5 (4.8mX3.0m).	237.24	45	5.3
7	Return Ventilation Shaft-1 sinking from Seam_IV at FRL 111m to seam-III at FRL (+) 40m	71	12	5.9
8	Intake Ventilation Shaft-2 sinking from Seam_IV at FRL 103m to seam-III at FRL (+) 29m	74	12	6.2
9	Developing the bottoms of shafts and inclines including armouring, equipping to make ready for production			13
10	Production from development and depillaring from seam-IV			
11	Production from development and depillaring from seam-III			
12	Drivage of Incline No. 1 from Seam-III FRL45.28m to Seam –Ibot&Comb at FRL (-)81m at Gradient 1 in 4.5 (4.8mX3.0m).	568.26	45	12.6
13	Drivage of Incline No. 2 from Seam-III FRL45.28m to Seam –IBot&Comb at FRL (-)81m at Gradient 1 in 4.5 (4.8mX3.0m).	568.26	45	12.6
14	Return Ventilation Shaft-1 sinking from Seam_III at FRL (+) 40m to seam-I Bot&Comb at FRL (-) 76m	116	12	9.7
15	Intake Ventilation Shaft-2 sinking from Seam_III at FRL (+) 29m to seam-I Bot&Comb at FRL (-) 87m	116	12	9.7
16	Production from development and depillaring from seam-II and IL1, I Top, I Bot&Comb			



LEGEND

i	Coal production from OC	23.2
ii	Coal production from UG	0.4
iii	Drivage of Incline No. 1 in rocks	
iv	Drivage of Incline No. 2 in rocks	
v	Sinking of Return shaft No. 1 in rocks (dia 6m)	
vi	Sinking of Intake shaft No.2 in rocks (dia 5m)	
vii	Pre-Production Development at pit bottom	

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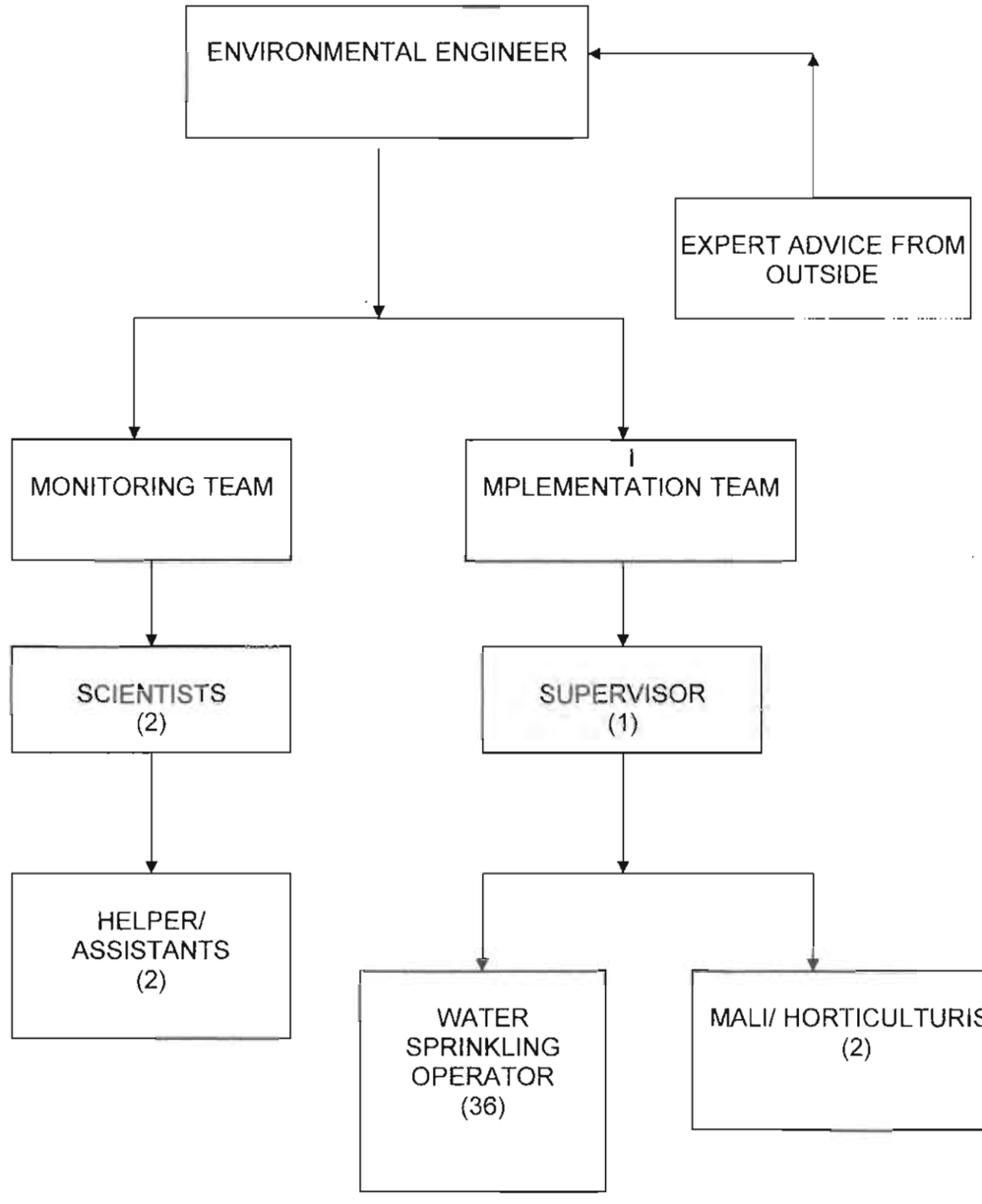
CLIENT: MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)
PROJECT: GARE PELMA SECTOR-II COAL MINE
TITLE: MINING PLAN & MINE CLOSURE PLAN
BARCHART SHOWING DEVELOPMENT AND PRODUCTION

DRAWN BY: B.P. MATLOTIA	CHECKED BY: B.D.SHARMA	PLATE NO.
SCALE: NOT TO SCALE	DATE: 20-02-2019	XXXIX

ORGANISATIONAL CHART
FOR
ENVIRONMENTAL MANAGEMENT



आईपी० नागपाल / I.P. NAGPAL
अवर सचिव / Under Secretary
भारत सरकार / Govt. of India
कोयला मंत्रालय / Ministry of Coal
शास्त्री भवन / Shastri Bhawan
नई दिल्ली / New Delhi

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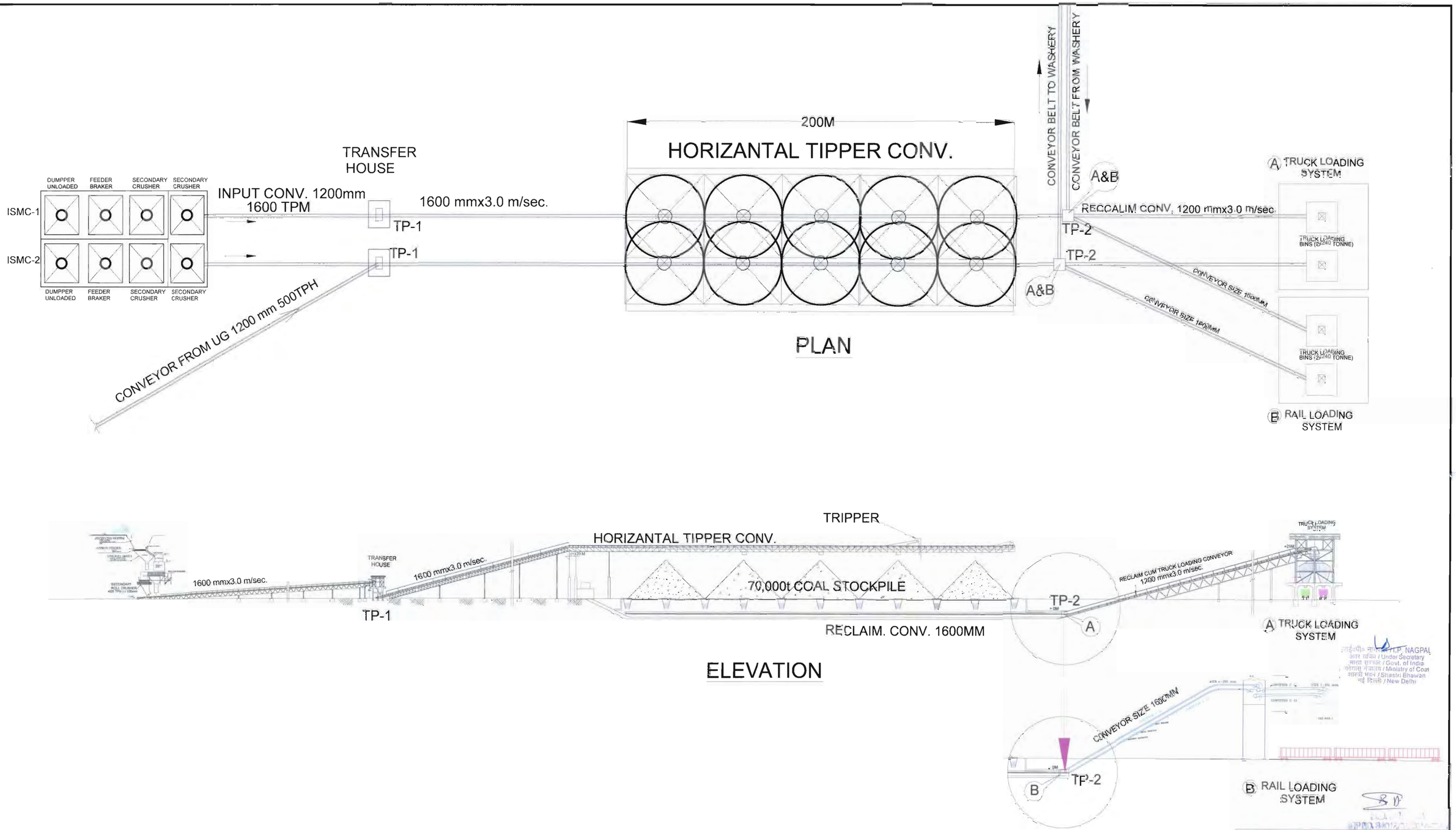
PLATE XL


DUMPPER UNLOADED
FEEDER BRAKER
SECONDARY CRUSHER
SECONDARY CRUSHER
ISMC-1
ISMC-2
TRANSFER HOUSE
INPUT CONV. 1200mm
1600 TPM
1600 mmx3.0 m/sec.
TP-1
TP-1
CONVEYOR FROM UG 1200 mm 500TPH
200M
HORIZANTAL TIPPER CONV.
CONVEYOR BELT TO WASHERY
CONVEYOR BELT FROM WASHERY
A&B
RECCALIM CONV. 1200 mmx3.0 m/sec.
TP-2
TP-2
A&B
CONVEYOR SIZE 1600MM
CONVEYOR SIZE 1600MM
A TRUCK LOADING SYSTEM
TRUCK LOADING BINS (2-240 TONNE)
TRUCK LOADING BINS (2-240 TONNE)
B RAIL LOADING SYSTEM
PLAN
TRIPPER
HORIZANTAL TIPPER CONV.
1600 mmx3.0 m/sec.
TRANSFER HOUSE
1600 mmx3.0 m/sec.
70,000t COAL STOCKPILE
TP-1
TP-2
RECLAIM. CONV. 1600MM
RECLAIM CUM TRUCK LOADING CONVEYOR
1200 mmx3.0 m/sec.
A
A TRUCK LOADING SYSTEM
ELEVATION
CONVEYOR SIZE 1600MM
B
TP-2
B RAIL LOADING SYSTEM
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NEW DELHI, PH. 29534777, 29535891
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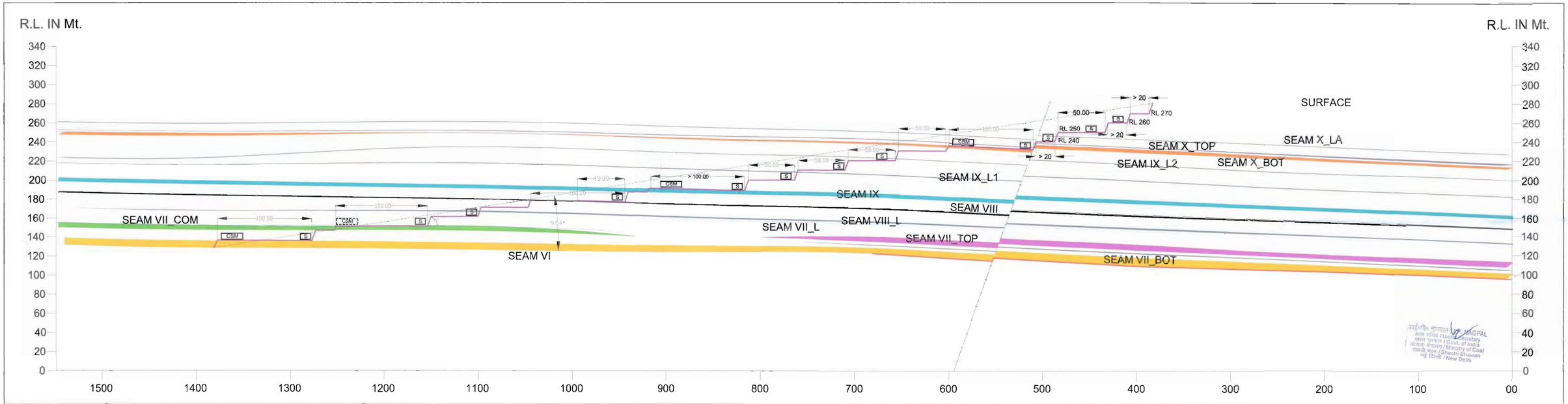
CLIENT: MAHARASHTRA STATE POWER GENERATION COMPANY LTD. (MSPGCL)
PROJECT: GARE PALMA SECTOR-II COAL MINE
TITLE: MINING PLAN & CLOSURE PLAN
COAL HANDLING ARRAGEMENT
DRAWN BY: S.K. MATLA
CHECKED BY: S.D. SHARMA
SCALE: NOT TO SCALE
DATE: 10-6-2016
FIG. NO. XLI



SEAM INDEX :-

- SEAM X_LA
- SEAM X_TOP
- SEAM X_BOT
- SEAM IX_L2
- SEAM IX_L1
- SEAM IX
- SEAM VIII
- SEAM VIII_L
- SEAM VII_L
- SEAM VII_TOP
- SEAM VII_BOT
- SEAM VII_COM
- SEAM VI

CSM	CONTINOUS SURFACE MINER
S	SHOVEL

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PROJECT: GARE PALMA SECTOR-II COAL MINE

TITLE: MINING PLAN & MINE CLOSURE PLAN

MINING SYSTEM SECTION

DRAWN BY:	CHECKED BY:	PLATE NO.
B.R. MATLOTIA	B.D.SHARMA	XLII
SCALE : 1 : 2,000	DATE : 30-06-2016	