

**Particulars of Summarised Litholog of the boreholes drilled by MECL in Dulha Block,
Tehsil- Majhgawan, District-Satna, Madhya Pradesh**

Borehole No.	From (m)	To (m)	Thickness (m)	Lithology
MDLH-01				
MDLH-01	0.00	0.50	0.50	Soil
MDLH-01	0.50	7.00	6.50	White and cream coloured, fine grained Rohania Sandstone intercalated with shale
MDLH-01	7.00	13.00	6.00	Chocolate brown coloured Pindra shale
MDLH-01	13.00	20.20	7.20	Green to greenish-grey, thinly bedded to laminated shale
MDLH-01	20.20	22.00	1.80	Fine grained, light grey, compact Bhulwa limestone with pyrite stringers.
MDLH-01	22.00	45.00	23.00	Green, dark green, fine to medium grained, glauconitic sandstone with thin chert bands
MDLH-01	45.00	55.00	10.00	Grey to greyish black, compact, calcareous Panna shale
MDLH-02				
MDLH-02	0.00	3.00	3.00	Soil
MDLH-02	3.00	5.40	2.40	Jhiri Shale: Green colored shale with Fine to Medium grained thin sandstone bands
MDLH-02	5.40	9.58	4.18	White and cream coloured, fine grained Rohania Sandstone intercalated with shale
MDLH-02	9.58	11.51	1.93	Chocolate brown coloured Pindra shale
MDLH-02	11.51	15.00	3.49	Green to greenish-grey, thinly bedded to laminated shale
MDLH-02	15.00	16.60	1.60	Fine grained, light grey, compact Bhulwa limestone with pyrite stringers.
MDLH-02	16.60	37.30	20.70	Green, dark green, fine to medium grained, glauconitic sandstone with thin chert bands
MDLH-02	37.30	45.00	7.70	Grey to greyish black, compact, calcareous Panna shale
MDLH-03				
MDLH-03	0.00	3.00	3.00	Soil
MDLH-03	3.00	16.00	13.00	Jhiri Shale: Green colored glauconitic shale with Fine to Medium grained sandstone bands
MDLH-03	16.00	20.00	4.00	Green coloured shale interbedded with sandstone with conglomerate band at base
MDLH-03	20.00	23.00	3.00	White and cream coloured, fine grained Rohania Sandstone intercalated with shale
MDLH-03	23.00	27.00	4.00	Chocolate brown coloured Pindra shale
MDLH-03	27.00	30.20	3.20	Green to greenish-grey, thinly bedded to laminated shale
MDLH-03	30.20	31.50	1.30	Fine grained, light grey, compact Bhulwa limestone with pyrite stringers.
MDLH-03	31.50	52.60	21.10	Green, dark green, fine to medium grained, glauconitic sandstone with thin chert bands
MDLH-03	52.60	57.00	4.40	Grey to greyish black, compact, calcareous Panna shale

Borehole No.	From (m)	To (m)	Thickness (m)	Lithology
MDLH-04				
MDLH-04	0.00	2.50	2.50	Soil
MDLH-04	2.50	8.50	6.00	Jhiri Shale: Green colored glauconitic shale with Fine to Medium grained sandstone bands
MDLH-04	8.50	12.43	3.93	Greyish white to cream coloured fine grained sandstone with shale bands
MDLH-04	12.43	16.50	4.07	Chocolate brown coloured Pindra shale
MDLH-04	16.50	19.90	3.40	Green to greenish-grey, thinly bedded to laminated shale
MDLH-04	19.90	21.00	1.10	Fine grained, light grey, compact Bhulwa limestone with pyrite stringers.
MDLH-04	21.00	43.00	22.00	Green, dark green, fine to medium grained, glauconitic sandstone with thin chert bands
MDLH-04	43.00	45.00	2.00	Grey to greyish black, compact, calcareous Panna shale
MDLH-05				
MDLH-05	0.00	2.70	2.70	Soil
MDLH-05	2.70	7.00	4.30	Jhiri Shale: Greyish brown coloured fine grained sandstone
MDLH-05	7.00	16.78	9.78	Green colored glauconitic shale with Fine to Medium grained sandstone bands
MDLH-05	16.78	22.00	5.22	Chocolate brown coloured Pindra shale
MDLH-05	22.00	25.71	3.71	Calcareous grey coloured sandy shale
MDLH-05	25.71	30.00	4.29	Fine grained, light grey, compact Bhulwa limestone with pyrite stringers.
MDLH-05	30.00	53.50	23.50	Green, dark green, fine to medium grained, glauconitic sandstone with thin chert bands
MDLH-05	53.50	56.00	2.50	Grey to greyish black, compact, calcareous Panna shale
MDLH-06				
MDLH-06	0.00	3.00	3.00	Soil
MDLH-06	3.00	10.64	7.64	Jhiri Shale: Light greenish grey, fine grained sandstone with green shale bands
MDLH-06	10.64	21.22	10.58	Green and grey coloured laminated interbedded shale with sandstone bands
MDLH-06	21.22	24.59	3.37	Greyish white, fine grained sandstone
MDLH-06	24.59	31.30	6.71	Chocolate brown coloured Pindra shale
MDLH-06	31.30	35.00	3.70	Calcareous grey coloured sandy shale
MDLH-06	35.00	36.00	1.00	Fine grained, light grey, compact Bhulwa limestone with pyrite stringers.
MDLH-06	36.00	56.70	20.70	Green, dark green, fine to medium grained, glauconitic sandstone with thin chert bands
MDLH-06	56.70	58.00	1.30	Grey and red compact, Panna shale

Borehole No.	From (m)	To (m)	Thickness (m)	Lithology
MDLH-07				
MDLH-07	0.00	2.40	2.40	Soil
MDLH-07	2.40	8.17	5.77	Brownish white, greyish white, compact fine to medium grained sandstone interbedded with red and green shale
MDLH-07	8.17	14.80	6.63	Green and grey coloured laminated interbedded shale
MDLH-07	14.80	16.00	1.20	Fine grained, light grey, compact Bhulwa limestone
MDLH-07	16.00	38.00	22.00	Green, dark green, fine to medium grained, glauconitic sandstone with thin chert bands
MDLH-07	38.00	40.00	2.00	Grey to greyish black, compact, calcareous Panna shale
MDLH-08				
MDLH-08	0.00	1.00	1.00	Soil
MDLH-08	1.00	10.90	9.90	Brownish white, greyish white, compact fine to medium grained sandstone interbedded with red and green shale
MDLH-08	10.90	12.00	1.10	Fine grained, light grey, compact Bhulwa limestone
MDLH-08	12.00	34.00	22.00	Green, dark green, fine to medium grained, glauconitic sandstone with thin chert bands
MDLH-08	34.00	37.00	3.00	Grey to greyish black, compact, calcareous Panna shale