

**Details of Summarized lithologies of boreholes drilled by MECL in Thakurdih Area-1 Block,
District - East Singhbhum, Jharkhand**

BH. No.	Depth (m)			Lithology
	From	To	Rec.Thick.	
MTB-01	0.00	25.00	25.00	Soil
MTB-01	25.00	31.00	6.00	Oxidised/Weathered schistosed rock
MTB-01	31.00	108.00	77.00	Metabasic schist
MTB-02	0.00	6.00	6.00	Soil
MTB-02	6.00	16.00	10.00	Oxidised/Weathered schistosed rock
MTB-02	16.00	75.00	59.00	Metabasic schist
MTB-02	75.00	105.00	30.00	Garnetiferous Qtz-Chl-Mica schist+Qtz vein
MTB-03	0.00	13.00	13.00	Soil
MTB-03	13.00	16.00	3.00	Oxidised/Weathered schistosed rock
MTB-03	16.00	36.60	20.60	Metabasic schist
MTB-03	36.60	115.00	78.40	Garnetiferous Qtz-Chl-Mica schist+Qtz vein
MTB-04	0.00	19.00	19.00	Soil
MTB-04	19.00	22.00	3.00	Oxidised/Weathered schistosed rock
MTB-04	22.00	41.50	19.50	Metabasic schist
MTB-04	41.50	97.00	55.50	Garnetiferous Qtz-Chl-Mica schist+Qtz vein
MTB-05	0.00	22.00	22.00	Soil
MTB-05	22.00	30.00	8.00	Oxidised/Weathered schistosed rock
MTB-05	30.00	90.00	60.00	Metabasic schist
MTB-05	90.00	113.00	23.00	Granite Gneiss
MTB-06	0.00	13.00	13.00	Soil
MTB-06	13.00	16.00	3.00	Oxidised/Weathered schistosed rock
MTB-06	16.00	23.20	7.20	Quartzite
MTB-06	23.20	25.00	1.80	Oxidised/Weathered schistosed rock
MTB-06	25.00	31.00	6.00	Soil
MTB-06	31.00	42.00	11.00	Quartz feldspathic amphibole -biotite - chlorite schist (Altered and silicified basic
MTB-06	42.00	46.00	4.00	Metabasic schist
MTB-06	46.00	106.00	60.00	Quartz feldspathic amphibole -biotite - chlorite schist (Altered basic schist)
MTB-06	106.00	109.00	3.00	Metabasic schist
MTB-06	109.00	115.00	6.00	Micaceous Quartz schist/Quartzite
MTB-06	115.00	139.00	24.00	Quartz feldspathic chlorite mica schist (silicified & altered)±Amphibole
MTB-07	0.00	10.00	10.00	Soil
MTB-07	10.00	11.25	1.25	Oxidised/Weathered schistosed rock
MTB-07	11.25	27.00	15.75	Metabasic schist
MTB-07	27.00	37.90	10.90	Amphibolite/Basic intrusive?
MTB-07	37.90	46.00	8.10	Quartz biotite chlorite muscovite /sericite schist ±Amphibole (Altered Basic schist?)
MTB-07	46.00	112.00	66.00	Garnetiferous Qtz-Chl-Mica schist+Qtz vein
MTB-08	0.00	19.00	19.00	Soil +Pebbles of Quartzite
MTB-08	19.00	35.00	16.00	Oxidised/Weathered schistosed rock
MTB-08	35.00	64.00	29.00	Quartz feldspathic amphibole -biotite - chlorite schist (Altered basic schist)± Garnet
MTB-08	64.00	76.00	12.00	Garnetiferous Qtz-Chl-Mica schist+Qtz vein + Bands of Metabasic schist
MTB-08	76.00	101.50	25.50	Quartz-feldspathic biotite chlorite schist ±Amphibole (Altered Basic schist?)
MTB-08	101.50	175.00	73.50	Amphibole - biotite - chlorite schist ± epidote (?) (altered Metabasic schist?)
MTB-08	175.00	202.00	27.00	Quartz - k-feldspar chlorite - biotite schist±Amphibole (silicified & granitized)
MTB-08	202.00	205.40	3.40	Magnetite bearing quartz - feldspathic mica schist
MTB-08	205.40	215.00	9.60	Granite Gneiss
MTB-09	0.00	10.00	10.00	Soil
MTB-09	10.00	16.00	6.00	Oxidised/Weathered schistosed rock
MTB-09	16.00	61.00	45.00	Metabasic schist
MTB-09	61.00	130.00	69.00	Garnetiferous Qtz-Chl-Mica schist+Qtz vein + Bands of Metabasic schist
MTB-10	0.00	13.00	13.00	Soil
MTB-10	13.00	22.00	9.00	Oxidised/Weathered schistosed rock

BH. No.	Depth (m)			Lithology
	From	To	Rec.Thick.	
MTB-10	22.00	103.00	81.00	Metabasic schist/Altered metabasic schist (?)
MTB-10	103.00	178.00	75.00	Garnetiferous Qtz-Chl-Mica schist+Qtz vein
MTB-10	178.00	180.00	2.00	Garnet + kya banded quartzite
MTB-11	0.00	10.00	10.00	Soil
MTB-11	10.00	16.00	6.00	Oxidised/Weathered schistosed rock
MTB-11	16.00	67.00	51.00	Metabasic schist/Altered metabasic schist (?)
MTB-11	67.00	125.50	58.50	Garnetiferous Qtz-Chl-Mica schist+Qtz vein
MTB-11	125.50	126.50	1.00	Amphibolite/Basic intrusive?
MTB-11	126.50	127.30	0.80	Granet quartzite
MTB-11	127.30	129.00	1.70	Amphibolite/Basic intrusive?
MTB-11	129.00	149.00	20.00	Garnet + kya banded quartzite
MTB-11	149.00	158.87	9.87	Garnetiferous Qtz-Chl-Mica schist+Qtz vein
MTB-11	158.87	170.00	11.13	Granet + kya banded quartzite
MTB-12	0.00	10.00	10.00	Soil
MTB-12	10.00	40.50	30.50	Metabasic schist
MTB-12	40.50	52.50	12.00	Garnetiferous Qtz-Chl-Mica schist+Qtz vein
MTB-12	52.50	77.00	24.50	Quartz - feldspathic - biotite - chlorite schist±Amphibole (Altered metabasic schist)
MTB-12	77.00	86.50	9.50	Garnetiferous Qtz-Chl-Mica schist+Qtz vein
MTB-12	86.50	94.00	7.50	Granet + kya banded quartzite
MTB-12	94.00	95.00	1.00	Garnetiferous Qtz-Chl-Mica schist+Qtz vein
MTB-13	0.00	12.50	12.50	Soil
MTB-13	12.50	21.50	9.00	Oxidised/Weathered schistosed rock
MTB-13	21.50	33.00	11.50	Metabasic schist/Altered metabasic schist (?)
MTB-13	33.00	64.00	31.00	Garnetiferous Qtz-Chl-Mica schist+Qtz vein
MTB-13	64.00	66.00	2.00	Granet + kya banded quartzite
MTB-13	66.00	110.00	44.00	Garnetiferous Qtz-Chl-Mica schist+Qtz vein (Occasionally altered & Chloritised)
MTB-14	0.00	6.00	6.00	Soil
MTB-14	6.00	10.00	4.00	Oxidised/Weathered schistosed rock
MTB-14	10.00	97.00	87.00	Metabasic schist/ Occasionally altered metabasic schist + Bands of Amphibolite/Basic
MTB-14	97.00	200.00	103.00	Garnetiferous Qtz-Chl-Mica schist+Qtz vein (Occasionally altered & Chloritised)
MTB-15	0.00	17.50	17.50	Soil + Pebbles/fragments of Quartzite
MTB-15	17.50	34.00	16.50	Oxidised/Weathered schistosed rock
MTB-15	34.00	57.50	23.50	Quartz - feldspathic - biotite - chlorite schist±Amphibole (Altered/silicified metabasic schist)
MTB-15	57.50	88.50	31.00	Metabasic schist+Qtz vein
MTB-15	88.50	100.00	11.50	Granite Gneiss
MTB-16	0.00	18.00	18.00	Soil + fragments of schistosed rock
MTB-16	18.00	25.00	7.00	Oxidised/Weathered schistosed rock
MTB-16	25.00	40.00	15.00	Metabasic schist/Ocasionally altered metabasic schist
MTB-16	40.00	44.00	4.00	Garnetiferous Qtz-Chl-Mica schist+Qtz vein
MTB-16	44.00	47.00	3.00	Metabasic schist/Altered metabasic schist (?)
MTB-16	47.00	63.00	16.00	Garnetiferous Qtz-Chl-Mica schist+Qtz vein
MTB-16	63.00	73.00	10.00	Quartz feldspathic amphibole -biotite - chlorite schist (Altered basic schist)± Garnet
MTB-16	73.00	74.00	1.00	Garnetiferous Qtz-Chl-Mica schist+Qtz vein
MTB-16	74.00	88.00	14.00	Granet + kya banded quartzite + Bands of Garnetiferous Qtz-Chl-Mica schist
MTB-17	0.00	61.00	61.00	Soil + Pebbles and Boulders of Quartzite, Qtz vein and oxidised schistosed rock
MTB-17	61.00	76.00	15.00	Oxidised/Weathered schistosed rock +bands of Soil zone in between
MTB-17	76.00	89.70	13.70	Granite Gneiss
MTB-17	89.70	118.00	28.30	Quartz feldspathic amphibole -biotite - chlorite schist (Altered and silicified basic
MTB-17	118.00	123.00	5.00	Chlorite-Mica Quartzite+Bands of Basic intrusive/Amphibolite