

SL No. PROXIMATE AND ULTIMATE ANALYSIS OF NEC COAL

1	G1	GCV: Exceeding 7500 and not exceeding 7600 Kcal/Kg	
	PROXIMATE ANALYSIS		ULTIMATE ANALYSIS
	Moisture%	2.2 - 2.60	Carbon% 75.5 - 76.90
	Ash%	4.90 - 5.80	Hydrogen % 5.4 - 5.5
	Volatile Matter%	41.4 - 43.00	Nitrogen % 1.3 - 1.6
	Fixed Carbon%	48.20 - 50.00	Sulphur % 2.5 - 2.8
	Caking Index	19 - 24	Oxygen % (By difference) 13.2 - 15.4
2	G1	GCV: Exceeding 7300 and not exceeding 7400 Kcal/Kg	
	PROXIMATE ANALYSIS		ULTIMATE ANALYSIS
	Moisture%	2.2 - 2.4	Carbon% 71.2 - 77.90
	Ash%	5.00 - 11.30	Hydrogen % 4.9 - 5.2
	Volatile Matter%	38.00 - 39.00	Nitrogen % 1.6 - 1.8
	Fixed Carbon%	48.30 - 53.80	Sulphur % 3.2 - 4.6
	Caking Index	18 - 22	Oxygen % (By difference) 10.5 - 19.0
3	G2	GCV: Exceeding 6700 and not exceeding 7000 Kcal/Kg	
	PROXIMATE ANALYSIS		ULTIMATE ANALYSIS
	Moisture%	2.3 - 2.5	Carbon% 68.30 - 71.3
	Ash%	11.3 - 13.50	Hydrogen % 4.90 - 4.91
	Volatile Matter%	38.00 - 40.10	Nitrogen % 1.50 - 1.80
	Fixed Carbon%	43.90 - 48.40	Sulphur % 2.3 - 5.7
	Caking Index	17 - 20	Oxygen % (By difference) 16.3 - 23.0
4	G4	GCV: Exceeding 6100 and not exceeding 6400 Kcal/Kg	
	PROXIMATE ANALYSIS		ULTIMATE ANALYSIS
	Moisture%	2.57 - 2.7	Carbon% 63.6 - 64.1
	Ash%	15.80 - 18.60	Hydrogen % 4.53 - 4.54
	Volatile Matter%	36.70 - 37.20	Nitrogen % 1.5 - 1.70
	Fixed Carbon%	41.60 - 42.30	Sulphur % 5.40 - 5.60
	Caking Index	16 - 19	Oxygen % (By difference) 24.00 - 25.00
5	G5	Mr.	
	PROXIMATE ANALYSIS		ULTIMATE ANALYSIS
	Moisture%	7	Carbon% 1
	Ash%	1	Hydrogen % 1
	Volatile Matter%	1	Nitrogen % 1
	Fixed Carbon%	1	Sulphur % 1
	Caking Index	1	Oxygen % (By difference) 1
5	G5	Mr.	
	PROXIMATE ANALYSIS		ULTIMATE ANALYSIS
	Moisture%	7	Carbon% 1
	Ash%	1	Hydrogen % 1
	Volatile Matter%	1	Nitrogen % 1
	Fixed Carbon%	1	Sulphur % 1