

ANNEXURE – I TO SPECIFICATION No. BA 35015**TYPICAL COAL ANALYSIS (INDIAN COAL):**

Parameter	Unit	Coal Analysis Data (as available)					
Proximate Analysis (as recd)		Coal 1	Coal 2	Coal 3	Coal 4	Coal 5	Coal 6
Moisture	%	18	14	18	16	15	15
Ash	%	46	45	38	45	45	45
Volatile Matter	%	16	20	20	19	20	19.5
Fixed Carbon	%	20	21	24	20	20	20.5
Hard Grove Index		45	47	60	50	47	42
Abrasion Index (YGP)	mg steel/ kg coal	85	80	80	80	80	80
Ash Analysis (as recd)							
Silica (SiO ₂)	%	64.86	62.4	59.79	59.54	62.5	59.6
Alumina (Al ₂ O ₃)	%	23.8	27.31	25.36	29	27.3	30.75
Iron Oxide (Fe ₂ O ₃)	%	6.52	4.96	7.2	6.42	4.9	6.5
Balance	%						

Remark: The shale and sand stone content of coal may be as high as 20% with alpha quartz contamination up to 5.0 mm size. The effect of these shale, sand stone and alpha quartz content shall be considered for wear life guarantees of Mill wear parts.