

IRON ORE

SALIENT DATA OF ORE DRESSING INVESTIGATION CARRIED OUT BY OD DIVISION, IBM

ZONE –E : OTHER STATES

SR. NO.	R.I. NO.	TITLE OF THE INVESTIGATION	ORIGINAL ANALYSIS %		MINERALOGY	CONCENTRATE			PROCESS ADOPTED	
						WT%	ASSAY%	%REC		
1.	215	Beneficiation of low grade Iron ore sample from Eleyettimala, Kozhikode distt., Kelara.	Fe Al ₂ O ₃ SiO ₂ LOI	42.72 1.09 35.50 3.21	<u>Val. Mineral</u> Magnetite, Goethite, Hematite <u>Gangue</u> Quartz	61.53	Fe SiO ₂	65.09 3.65	90.12	Magnetic separation and Tabling.
2.	621	Pelletisation studies on Hungarian Iron Ore concentrate (Fines) received from M/s Sponge Iron India Ltd.	Fe(T) Feo SiO ₂ Al ₂ O ₃ CaO MgO S P L.O.I.	65.78 0.38 4.64 0.80 0.14 0.11 0.23 0.08 0.11	<u>Val. Mineral</u> Hematite <u>Gangue</u> Quartz, Clay, Amphibole.	Fired pellets of satisfactory quality and strength (compression strength – 330 Kg/ per pellet) as stipulated by the party were produced.				