

**Table No. 5.23 : Reserves/Resources of Manganese Ore as on 1.4.2020 (P)**  
(By Grades/States)

Unit : '000 Tonne

	Reserves					Remaining Resources					Total Resources			
	Proved		Probable		Total	Feasibility		Pre-feasibility		Measured	Inferred		Reconnaissance	Total
	STD111	STD121	STD122	STD122	(A)	STD211	STD211	STD221	STD222	STD331	STD332	STD333	STD334	(B)
<b>All India : Total</b>	61510	6081	7450	75041	76106	51162	80580	29600	61205	117986	11944	428583	503624	
<b>By Grades</b>														
Battery/ Chemical	0	0	0	0	4	9	12	4	26	112	0	167	167	
Ferro-Manganese	15011	602	1203	16816	5040	3775	4574	1069	3771	6556	466	25251	42067	
Medium	3767	28	55	3850	3871	5182	3860	448	3933	13171	116	30581	34430	
BF	7995	892	1006	9892	31427	7102	19447	14391	12904	51139	2135	138545	148437	
Mixed	954	75	488	1517	262	654	8259	2024	177	12472	0	23848	25365	
Medium & BF Mixed	5415	425	367	6207	5123	6817	6805	48	9977	14201	1907	44877	51084	
Ferro-Manganese, Medium & BF Mixed	24030	482	0	24512	10480	16598	13844	80	16673	1987	33	59696	84208	
Ferro-Manganese & BF	357	1583	99	2039	256	614	11775	1260	912	4380	0	19197	21236	
Low (-)25% Mn	1038	522	711	2271	8474	802	7162	3916	4060	3920	152	28485	30756	
Beneficial	28	1314	1164	2506	1938	315	356	6069	8366	2708	7074	26826	29332	
Others	2618	102	1447	4167	5242	5746	1699	207	120	1757	0	14772	18939	
Unclassified	297	57	911	1265	3810	3508	2730	84	130	3837	62	14160	15425	
Not known	0	0	0	0	178	39	59	0	156	1747	0	2178	2178	
<b>By States</b>														
Andhra Pradesh	6848	1006	234	8088	1000	718	1990	465	10730	6838	15	21756	29844	
Goa	31	0	34	65	14028	1479	9177	48	262	9442	0	34436	34501	
Gujarat	695	0	0	695	0	0	0	0	0	2180	0	2180	2875	
Jharkhand	132	433	493	1059	1394	1046	5198	0	1395	4658	0	13691	14749	
Karnataka	15363	0	101	15464	14723	2373	9604	18700	7306	55471	329	108508	123972	
Madhya Pradesh	13551	2230	3777	19558	3830	7037	4212	127	23351	1943	0	40499	60057	
Maharashtra	16537	835	361	17733	1891	15354	16304	0	5055	2585	113	41303	59036	
Odisha	7535	1511	2423	11469	39091	22916	33968	10260	12219	32657	8947	160058	171528	
Rajasthan	568	0	0	568	0	100	0	0	0	1690	0	1790	2359	
Telangana	250	66	26	342	150	139	126	0	886	320	2540	4162	4503	
West Bengal	0	0	0	0	0	0	0	0	0	200	0	200	200	

Figures rounded off (P): Provisional