

SI No	Raw Material	Specifications	Quantity for past three years (MT)	Total value for last three years	Required Quantity in next three years (Approximate)
1	Nickel Metal	NR 9990 (ISO 6283:1995E) / ASTM B 39	2935MT	INR 2,64,17,99,917	3500MT
2	Cobalt	MB standard grade Co minimum 99.8%	530 MT	USD 27627132	600MT
3	Molybdenum	ASTM B387-10	306 MT	USD 10814048	350MT
4	LC Ferro Chrome	Fe Cr 70 C03LP, ISO 5448-1981E	1574 MT	USD 7146264	2000MT
5	Al Vanadium Master alloy	Al- 45-49%, V- 50-54%, Mo-0.15% max, Fe-0.40% Max, C- 0.150% max, O- 0.10% Max, Si- 0.350% Max, N-0.040% max, B-0.0030% Max, W-0.0150% Max, Mg-0.0250% Max, All other elements: 0.10% Max	93 MT	USD 4948325	100MT
6	Chromium Metal	Grade-B, ASTM STD 481-05	475 MT	USD 4467235	500MT
7	TUNGSTEN METAL	W 99.8%min; Cu0.002% max; 500ppm max;Zn 0.002%max; 5ppm max;As 0.001%max; 0.15%max; 0.0001%max; Fe 0.05%max; 0.0003%max; N 5ppm max; 0.001%max; Si 0.07%max; 0.0001%max; P 0.005%max; 0.0001%max; S 0.01% max; max	O 15 MT H2 Mo Cd Sn Sb Pb Bi C 0.02%	USD 512900	20MT
8	Niobium Metal	Nb:99.7% Min; C:0.01% Max;Mo:0.005% Max; Al:0.005%; Ni:0.1% Max; Ti: 0.005%;Fe: 0.005% Max;Hf:0.01%Max;Ta:0.1% Max;H2: 0.001% Max; W:0.01% Max;Si:0.005% Max; N:0.01% Max; Size: 2 mm +/- 0.5 mm thick x 100 mm +/- 10 mm width x 200-1250 mm long;	9.7 MT	USD 788950	20MT
9	PURE IRON	C =0.02%MAX Si= 0.01% MAX Mn=0.07% MAX P = 0.005% MAX S=0.004 % MAX Zn = 0.005% MAX Cr= 0.02% MAX Ni = 0.03% MAX Co=0.02% MAX Mo =0.01% MAX Cu=0.02% Max Sn = 0.003% Max Nb=0.002% MAX H2 = 0.003% MAX O2 = 0.03% MAX N2 = 0.008% MAX Sb, Pb, Ti, Bi, W, Ta, V, As, B, Al, Se =0.005% MAX; Fe = Balance SIZE= 1) 60 – 80 mm Square Cross Section with maximum length 200-300 mm or 2) 60-80 mm Square with maximum length of 6M	4700 MT	INR 346211320	6000 MT

10	Titanium Sponge	Ti: 99.60 % min.Fe: 0.05 % max. O2:0.060 % max. Si: 0.020 % max. Ni: 0.050 % max. C: 0.015% max Cl: 0.100 % max. N:0.020 % max. Mg: 0.080 % max. Each of the other elements (Total) -- 0.050 % max.	920 MT	USD 7691450	1000MT
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