

**PROCUREMENT PROJECTIONS FOR THE NEXT 5 YEARS**

Name of the Organization: Mishra Dhatu Nigam Limited

Website Link [www.midhani-india.in](http://www.midhani-india.in)

Ministry/Department Ministry of Defence

Disclaimer: The below information is purely indicative and Mishra Dhatu Nigam Limited under Ministry of Defence will not be liable to any potential bidder for any decision taken/not taken on the basis of projected figures

**Financial Year: 2020-21**

S.No	Description of item	Broad Specification parameters	Qty	Accounting Unit (Nos/ Kilo meters/ Tonne	Estimated value of procurement INR (Lakhs)
1	Nickel	NR 9990 (ISO 6283:1995E) / ASTM B 39	1700	Tonne	17000
2	Cobalt	MB standard grade Co minimum 99.8%	430	Tonne	11200
3	Molybdenum	ASTM B387-10	240	Tonne	6200
4	Ti 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	450	Tonne	3800
5	Chromium metal	Grade-B, ASTM STD 481-05	130	Tonne	800
6	Pure iron	C =0.02%MAX Si= 0.01% MAXMn=0.07% MAX P = 0.005% MAXS=0.004 % MAX Zn = 0.005% MAXCr= 0.02% MAX Ni = 0.03% MAXCo=0.02% MAX Mo =0.01% MAXCu=0.02% Max Sn = 0.003% MaxNb=0.002% MAX H2 = 0.003% MAXO2 = 0.03% MAX N2 = 0.008% MAX Sb, Pb, Ti, Bi, W, Ta, V, As, B, Al, Se =0.005% MAX; Fe = BalanceSIZE= 1) 60 – 80 mm Square Cross Section with maximum length 200-300 mm or 2) 60-80 mm Square with maximum length of 6M	3800	Tonne	3000
7	Aluminium- 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	30	Tonne	800
8	LC Fe Cr	Fe Cr 70 C03LP, ISO 5448-1981E	600	Tonne	1500

**Financial Year:2021-2022**

S.No	Description of item	Broad Specification parameters	Qty	Accounting Unit (Nos/Kilometers/Tonne)	Estimated value of procurement INR (Lakhs)
1	Nickel	NR 9990 (ISO 6283:1995E) / ASTM B 39	2000	Tonne	20000
2	Cobalt	MB standard grade Co minimum 99.8%	450	Tonne	12000
3	Molybdenum	ASTM B387-10	250	Tonne	6500
4	Ti 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	500	Tonne	4200
5	Chromium metal	Grade-B, ASTM STD 481-05	150	Tonne	1000
6	Pure iron	C =0.02%MAX Si= 0.01% MAXMn=0.07% MAX P = 0.005% MAXS=0.004 % MAX Zn = 0.005% MAXCr= 0.02% MAX Ni = 0.03% MAXCo=0.02% MAX Mo =0.01% MAXCu=0.02% Max Sn = 0.003% MaxNb=0.002% MAX H2 = 0.003% MAXO2 = 0.03% MAX N2 = 0.008% MAX Sb, Pb, Ti, Bi, W, Ta, V, As, B, Al, Se =0.005% MAX; Fe = BalanceSIZE= 1) 60 – 80 mm Square Cross Section with maximum length 200-300 mm or 2) 60-80 mm Square with maximum length of 6M	4500	Tonne	3600
7	Aluminium- 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	35	Tonne	850
8	LC Fe Cr	Fe Cr 70 C03LP, ISO 5448-1981E	800	Tonne	2000

**Financial Year: 2022-2023**

S.No	Description of item	Broad Specification parameters	Qty	Accounting Unit (Nos/Kilometers/Tonne)	Estimated value of procurement INR (Lakhs)
------	---------------------	--------------------------------	-----	--	--

1	Nickel	NR 9990 (ISO 6283:1995E) / ASTM B 39	2500	Tonne	25000
2	Cobalt	MB standard grade Co minimum 99.8%	480	Tonne	12700
3	Molybdenum	ASTM B387-10	300	Tonne	7800
4	Ti 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	600	Tonne	5000
5	Chromium metal	Grade-B, ASTM STD 481-05	180	Tonne	1500
6	Pure iron	C =0.02%MAX Si= 0.01% MAXMn=0.07% MAX P = 0.005% MAXS=0.004 % MAX Zn = 0.005% MAXCr= 0.02% MAX Ni = 0.03% MAXCo=0.02% MAX Mo =0.01% MAXCu=0.02% Max Sn = 0.003% MaxNb=0.002% MAX H2 = 0.003% MAXO2 = 0.03% MAX N2 = 0.008% MAX Sb, Pb, Ti, Bi, W, Ta, V, As, B, Al, Se =0.005% MAX; Fe = BalanceSIZE= 1) 60 – 80 mm Square Cross Section with maximum length 200-300 mm or 2) 60-80 mm Square with maximum length of 6M	5500	Tonne	4500
7	Aluminium- 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	40	Tonne	1000
8	LC Fe Cr	Fe Cr 70 C03LP, ISO 5448-1981E	1000	Tonne	2500

**Financial Year: 2023-2024**

S.No	Description of item	Broad Specification parameters	Qty	Accounting Unit (Nos/Kilometers/Tonne)	Estimated value of procurement INR (Lakhs)
1	Nickel	NR 9990 (ISO 6283:1995E) / ASTM B 39	2750	Tonne	27500
2	Cobalt	MB standard grade Co minimum 99.8%	528	Tonne	13970
3	Molybdenum	ASTM B387-10	330	Tonne	8580

4	Ti 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	660	Tonne	5500
5	Chromium metal	Grade-B, ASTM STD 481-05	198	Tonne	1650
6	Pure iron	C =0.02%MAX Si= 0.01% MAXMn=0.07% MAX P = 0.005% MAXS=0.004 % MAX Zn = 0.005% MAXCr= 0.02% MAX Ni = 0.03% MAXCo=0.02% MAX Mo =0.01% MAXCu=0.02% Max Sn = 0.003% MaxNb=0.002% MAX H2 = 0.003% MAXO2 = 0.03% MAX N2 = 0.008% MAX Sb, Pb, Ti, Bi, W, Ta, V, As, B, Al, Se =0.005% MAX; Fe = BalanceSIZE= 1) 60 – 80 mm Square Cross Section with maximum length 200-300 mm or 2) 60-80 mm Square with maximum length of 6M	6050	Tonne	4950
7	Aluminium- 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	44	Tonne	1100
8	LC Fe Cr	Fe Cr 70 C03LP, ISO 5448-1981E	1100	Tonne	2750

**Financial Year: 2024-2025**

S.No	Description of item	Broad Specification parameters	Qty	Accounting Unit (Nos/Kilometers/Tonne)	Estimated value of procurement INR (Lakhs)
1	Nickel	NR 9990 (ISO 6283:1995E) / ASTM B 39	3025	Tonne	30250
2	Cobalt	MB standard grade Co minimum 99.8%	580.8	Tonne	15367
3	Molybdenum	ASTM B387-10	363	Tonne	9438
4	Ti 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	726	Tonne	6050
5	Chromium metal	Grade-B, ASTM STD 481-05	217.8	Tonne	1815

6	Pure iron	C =0.02%MAX Si= 0.01% MAXMn=0.07% MAX P = 0.005% MAXS=0.004 % MAX Zn = 0.005% MAXCr= 0.02% MAX Ni = 0.03% MAXCo=0.02% MAX Mo =0.01% MAXCu=0.02% Max Sn = 0.003% MaxNb=0.002% MAX H2 = 0.003% MAXO2 = 0.03% MAX N2 = 0.008% MAX Sb, Pb, Ti, Bi, W, Ta, V, As, B, Al, Se =0.005% MAX; Fe = BalanceSIZE= 1) 60 – 80 mm Square Cross Section with maximum length 200- 300 mm or 2) 60-80 mm Square with maximum length of 6M	6655	Tonne	5445
7	Aluminium- 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	48.4	Tonne	1210
8	LC Fe Cr	Fe Cr 70 C03LP, ISO 5448-1981E	1210	Tonne	3025

5100