



JINDAL STEEL & POWER LIMITED., RAIGARH

SPECIFICATIONS OF FERRO ALLOYS AND CONSUMABLES

Following Specifications with Deductions norm are fixed.

1 **200000083 SILICO MANGANESE(10-40)MM (Mn:60% & Si:15% Grade)**

SPECIFICATION

DULY PACKED N 1 MT JUMBO BAGS
SIZE : 10 TO 40 MM
Mn. : 60% Min.
Si. : 15% Min.
C. : 2% MAX.
Size Tolerance : - 10 mm, 10% max.
+ 40 mm upto 60 mm, 10% max.

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:

- 1) Manganese accepted below 60% but upto 58% Manganese content - Penalty will be deducted @ 1.5% of the LCNC price per ton, for every 1%
- 2) Silicon - Below 15% to 14% Si. Content - Fixed penalty of 1.5% of the LCNC price will be deducted.
- 3) FOR C. (CARBON) : DEDUCTION @ 1.5% for every 0.5% increase in carbon, above 3% Rejected.
- 4) DEDUCTIONS IN SIZE :
THERE IS NO DEDUCTIONS UPTO 10% OVER & UNDER SIZE IN MATERIAL
IN CASE UNDER SIZE EXCEEDS 10% DEDUCTION OF Rs. 100/- PER TON PER PERCENTAGE
IN CASE OF OVER SIZE ABOVE 10%, DEDUCTION OF RS. 100/- PER TON PER PERCENTAGE

2 **200000083 SILICO MANGANESE(10-40)MM (Mn:60% & Si:14% Grade)**

SPECIFICATION

DULY PACKED N 1 MT JUMBO BAGS
SIZE : 10 TO 40 MM
Mn. : 60% Min.
Si. : 14% Min.
C. : 2% MAX.
Size Tolerance : - 10 mm, 10% max.
+ 40 mm upto 60 mm, 10% max.

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:

- 1) Manganese accepted below 60% but upto 58% Manganese content - Penalty will be deducted @ 1.5% of the LCNC price per ton, for every 1%
- 2) Silicon - Below 14% to 13.5% Si. Content - Fixed penalty of 1.5% of the LCNC price will be deducted.
- 3) FOR C. (CARBON) : DEDUCTION @ 1.5% for every 0.5% increase in carbon, above 3% Rejected.
- 4) DEDUCTIONS IN SIZE :
THERE IS NO DEDUCTIONS UPTO 10% OVER & UNDER SIZE IN MATERIAL
IN CASE UNDER SIZE EXCEEDS 10% DEDUCTION OF Rs. 100/- PER TON PER PERCENTAGE
IN CASE OF OVER SIZE ABOVE 10%, DEDUCTION OF RS. 100/- PER TON PER PERCENTAGE

3 **200000084 SILICO MANGANESE (LOW PHOS.)**

SPECIFICATIONS

DULY PACKED IN 1 MT JUMBO BAGS
SIZE : 10TO40MM
Mn. : 60.00% Min
Si. : 15.00% Min.
Phos. : 0.15% Max.
C. : 2.00% MAX.
Size Tolerance : - 10 mm, 10% max.
Above + 40 mm upto 60 mm, 10% max.

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) Manganese accepted below 60% but upto 58% Manganese content - Penalty will be deducted @ 1.5% of the LCNC price per ton, for every 1%
- 2) Silicon - Below 15% to 14% Si. Content - Fixed penalty of 1.5% of the LCNC price will be deducted.
- 3) FOR Phos - Accepted upto 0.2% But for every 0.01% Increase, Penalty of 0.5% on landed cost.
- 4) FOR C. (CARBON) : DEDUCTION @ 1.5% for every 0.5% increase in carbon, above 3% Rejected.
- 5) DEDUCTIONS IN SIZE :
THERE IS NO DEDUCTIONS UPTO 10% OVER & UNDER SIZE IN MATERIAL
IN CASE UNDER SIZE EXCEEDS 10% DEDUCTION OF Rs. 100/- PER TON PER PERCENTAGE
IN CASE OF OVER SIZE ABOVE 10%, DEDUCTION OF RS. 100/- PER TON PER PERCENTAGE

4 **200000044 FERRO MANGANESE(HC)**

SPECIFICATIONS

DULY PACKED IN.1 MT JAMBOO BAGS
SIZE :10 to 40 MM
Mn. : 70% min.
C : 8% max.
Si: 2% Max.
SIZE TOLERANCE : - 10 mm, 10% max.
+ 40 mm upto 60 mm,10% max.

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) FOR Mn.(MANGANESE): ACCEPTED UPTO 68% ON PRORATA BASIS ON LANDED COST BASIS.
- 2) FOR C. (CARBON) : FOR EVERY 1% INCREASE : 1% DEDUCTION ON LANDED COST.
- 3) DEDUCTIONS IN SIZE :
THERE IS NO DEDUCTIONS UPTO 10% OVER & UNDER SIZE IN MATERIAL
IN CASE UNDER SIZE EXCEEDS 10% DEDUCTION OF Rs. 100/- PER TON PER PERCENTAGE
IN CASE OF OVER SIZE ABOVE 10%, DEDUCTION OF RS. 100/- PER TON PER PERCENTAGE

5 **200000050 FERRO SILICON**

SPECIFICATIONS

DULY PACKED IN 1 MT JUMBO BAGS SIZE : 10 TO 50 MM
SILICON : 70% MIN.
CARBON : 0.15% MAX.
SIZE TOLERANCE : -10 MM, 10% MAX.
+40 UPTO 60 MM, 10% MAX.

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) FOR Si. (Silicon): ACCEPTED BELOW 70% BUT UPTO 68% - PENALTY SHALL BE DEDUCTED 1.5% OF THE LCNC PRICE. If material is received
- 2) FOR C. (CARBON) : FOR EVERY 0.1% INCREASE : 0.1% DEDUCTION ON LANDED COST.
- 3) DEDUCTIONS IN SIZE :
THERE IS NO DEDUCTIONS UPTO 10% OVER & UNDER SIZE IN MATERIAL
IN CASE UNDER SIZE EXCEEDS 10% DEDUCTION OF Rs. 100/- PER TON PER PERCENTAGE
IN CASE OF OVER SIZE ABOVE 10%, DEDUCTION OF RS. 100/- PER TON PER PERCENTAGE

6 **2000000183 FERRO MANGANESE(LC)**

SPECIFICATIONS DULY PACKED IN ONE MT BAG
SIZE : 10 -50 MM
Mn. : 75% Min.
C. : 0.15% MAX.
Si. : 2% MAX.
S. : 0.05% MAX.
Phos.: 0.25% MAX.

DEDUCTION NORMS MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) PAYMENT ON PRO-RATA BASIS FOR FOR DECREASE TAKING 75% Manganese (Mn) AS BASE & OUR LAB RESULT WILL BE FINAL FOR PAYMENT. ONLY (MINUS) - 2% VARIATION ACCEPTED ON PRO-RATA BASIS. If material is received below 73%, JSPL reserve the right to reject & return the material or deduction would be doubled on pro-rata basis. Our lab result will be final for payment.
- 2) FOR C. (CARBON) : FOR EVERY 0.01% INCREASE : 5% DEDUCTION ON LANDED COST.
- 5) DEDUCTIONS IN SIZE :
NO DEDUCTION

7 **2000000044 FERRO VANADIUM**

SPECIFICATIONS PACKED IN STEEL DRUM
V : 51% MIN.
SIZE : 10 TO 50 MM (+/-10%)

DEDUCTION NORMS MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) Vanadium base is 51%. If suppliers gives the Vanadium +/- 1% then payment will be released on pro-rata basis. If material is received below 50%, JSPL reserve the right to reject & return the material or deduction would be doubled on pro-rata basis. Our lab result will be final for payment. If material received above 52% then pro-rata will be limited to 52% only.
- 2) TEST CERTIFICATE TO BE SUBMITTED
- 3) IN CASE OF ANY DISPUTE JOINT SHAMPLING & ANALYSIS TO BE DONE AT OUR LABORATORY IN PRESENCE OF YOUR REPRESENTATIVE. THE RESULT THUS OBTAINED WILL BE FINAL.
- 4) ANY VARIATION UPTO +/- 0.50 IN IN V.(VANADIUM) CONTENT WILL BE ACCEPTABLE AS PER SUPPLIER TEST CERTIFICATE.
- 5) DEDUCTIONS IN SIZE :
UNDERSIZE UPTO 15% FROM 10% MAX. LIMIT, 1% LCNC DEDUCTION FOR EVERY 1% INCREASE IN SIZE VARIATION
OVERSIZE UPTO 15% FROM 10% MAX. LIMIT, 0.5% LCNC DEDUCTION FOR EVERY 1% INCREASE IN SIZE VARIATION

8 **200000047 FERRO MOLYBDENUM**

SPECIFICATIONS PACKED IN STEEL DRUM
MOLY : 60% MIN.
SIZE : 10 TO 50 MM (+/-10%)

DEDUCTION NORMS MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) PAYMENT ON PRO-RATA BASIS FOR FOR ANY INCREASE / DECREASE TAKING 60% MOLY AS BASE & OUR LAB RESULT WILL BE FINAL FOR PAYMENT. ONLY +/- 1% VARIATION ACCEPTED ON PRO-RATA BASIS. If material is received above 61%, then pro-rata will be limited to 61% only. If material is received below 60%, JSPL reserve the right to reject & return the material or deduction would be doubled on pro-rata basis. Our lab
- 2) TEST CERTIFICATE TO BE SUBMITTED.
- 3) IN CASE OF ANY DISPUTE JOINT SHAMPLING & ANALYSIS TO BE DONE AT OUR LABORATORY IN PRESENCE OF YOUR REPRESENTATIVE. THE RESULT THUS OBTAINED WILL BE FINAL.
- 4) ANY VARIATION UPTO +/- 0.50 IN in Mo. (MOLY) CONTENT WILL BE ACCEPTABLE AS PER SUPPLIER TEST
- 5) DEDUCTIONS IN SIZE :
UNDERSIZE UPTO 15% FROM 10% MAX. LIMIT, 1% LCNC DEDUCTION FOR EVERY 1% INCREASE IN SIZE VARIATION
OVERSIZE UPTO 15% FROM 10% MAX. LIMIT, 0.5% LCNC DEDUCTION FOR EVERY 1% INCREASE IN SIZE VARIATION

9 **200000051 FERRO TITANIUM**

SPECIFICATIONS PACKING : 40/50 KG. PACKING IN DOUBLE GUNNY BAGS.
Ti : 30 % Min.
Si: 3% Max.
C. : 0.10% max.
Size : 10-70MM

DEDUCTION NORMS MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) PAYMENT ON PRO-RATA BASIS FOR FOR ANY DECREASE TAKING 30% Titanium (Ti) AS BASE & OUR LAB RESULT WILL BE FINAL FOR PAYMENT. ONLY (minus) - 2% VARIATION ACCEPTED ON PRO-RATA BASIS. If material is received below 28%, JSPL reserve the right to reject & return the material or deduction would be doubled on pro-rata basis. Our lab result will be final for payment.
- 2) ANY VARIATION UPTO +/- 0.50 IN in Tn. (Titanium) CONTENT WILL BE ACCEPTABLE AS PER SUPPLIER TEST CERTIFICATE.
- 3) DEDUCTIONS IN SIZE :
UNDERSIZE UPTO 15% FROM 10% MAX. LIMIT, 1% LCNC DEDUCTION FOR EVERY 1% INCREASE IN SIZE VARIATION
OVERSIZE UPTO 15% FROM 10% MAX. LIMIT, 0.5% LCNC DEDUCTION FOR EVERY 1% INCREASE IN SIZE VARIATION
FOR Si. (Silica) : In case Si goes above from 3% max. limit then there will be 0.1% DEDUCTION ON LANDED COST ON EVERY 0.1% INCREASE IN

10 **2000000405 FERRO TITANIUM CORED WIRE**

SPECIFICATIONS Ti: 65% MIN.
Si: 3% MAX.
C: 0.15% MAX.
Wire dia: 13MM (+/-0.5 mm)
Powder per coil: 1000 kg approx.
Exact qty is to be displayed on each coil.

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) In case Ti goes below than 65% then JSPL reserve the right to reject & return the material. In case the material is accepted, the payment will be deducted on pro-rata basis taking Ti :65% base. JSPL reserve the right to reject & return the material or deduction would be doubled on pro-rata basis. Our lab result will be final for payment.
- 2) ANY VARIATION UPTO +/- 0.50 IN in Tn. (Titanium) CONTENT WILL BE ACCEPTABLE AS PER SUPPLIER TEST CERTIFICATE.
- 3) FOR Si. (Silica) : In case Si goes above from 3% max. limit then there will be 0.1% DEDUCTION ON LANDED COST ON EVERY 0.1% INCREASE
- 4) FOR C (Carbon) : In case Carbon goes above from 0.15% max. limit then there will be 0.1% DEDUCTION ON LANDED COST ON EVERY 0.1% INCREASE
- 5) DEDUCTIONS IN SIZE :
NO DEDUCTION

11 200000778 CALCINED PETROLIUM COKE (IMPORT)**SPECIFICATIONS**

DULY PACKED 1 MT JUMBO BAGS
FC- 98% Min.
S - 0.6% Max;
Moisture-0.5% Max.
Ash- 0.8% Max;
Size- 1-4 mm
(Below 1 mm,10% Max.,oversize upto 6 mm,5% Max.)

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

Material can be rejected if there is a deviation in quality at the Load Port. The deduction in case of variance in the specification is as under:

- 1) F.C. if it is below 98%, then the deduction will be made on prorata basis on CFR price.
- 2) Moisture & Ash : There will be deduction of US\$ 1 per MT for every increase of 0.1% in Moisture and Ash.
- 3) Sulphur: Deduction of USD 12 PMT for every incremental increase of 0.1% beyond 0.6%.
- 4) DEDUCTIONS IN SIZE :
Oversize/undersize if combined is above 15%, then the deduction of 0.05% of CFR price on every 1% increase.

12 1000041827 GRAPHITE POWDER (IMPORT)**SPECIFICATIONS**

DULY PACKED 1 MT JUMBO BAGS
F.C : 98.5% MIN.
MOISTURE : 0.5% MAX.
VOLATILE MATTER : 0.5 MAX.
ASH : 1% MAX.
SULPHUR : 0.05% MAX.
SIZE : 1-3 MM(+10% Max.)

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) F.C. if it is below 98.5%, then the deduction will be made on prorata basis on CFR price.
- 2) Moisture & Ash : There shall be deduction of US\$ 1 per MT for every increase of 0.1% in Moisture and Ash.
- 3) Sulphur: Deduction of USD 12 PMT for every incremental increase of 0.01% beyond 0.05%.
- 4) DEDUCTIONS IN SIZE :
If oversize goes above 10%, then the deduction of 0.05% of CFR price on every 1% increase.

13 **2000000778 CALCINED PETROLIUM COKE (INDIGINOUS)**

SPECIFICATIONS

DULY PACKED IN 1 MT JUMBO BAGS
SIZE : 1 MM TO 5 MM
F.C : 98% MIN.
SULPHUR : 1% MAX.
ASH : 0.8% MAX.
MOISTURE : 0.5% MAX.
Size Tolerance: -1 mm-10% Max. Over Size upto 6 mm, 5% Max.

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) DEDUCTIONS : F.C. BELOW 98% - PRORATA BASIS ON LANDED COST.
- 2) SULPHUR : Rs. 500/- PMT/ PER 0.1% FOR EVERY INCREASED IN SULPHUR ACCEPTABLE UPTO 1.20% MAXIMUM.
- 3) Rs. 25/- PMT FOR EVERY 0.1% INCREASE IN MOISTURE & ASH
- 4) DEDUCTIONS IN SIZE :
OVER SIZE (ABOVE 6 MM) - ABOVE 5% : 0.05% OF LANDED COST FOR EVERY 1% INCREASE .
UNDER SIZE (BELOW 1 MM) - ABOVE 10% : 0.05% OF LANDED COST FOR EVERY 1% INCREASE

14 **2000000061 HYDRATED LIME**

SPECIFICATIONS

HYDRATED LIME GRADE C IS No. 1540 PART - II ; 1990

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) Material can be rejected for deviation in quality as stated below
Moisture 0.5--0.8%
AVERAGE lime 85% (AS CALCIUM HYDROXIDE)
- 2) LIME BELOW 85% IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED ON PRORATA BASIS ON LANDED COST.

15 **2000000053 FLOUR SPAR LUMPS**

SPECIFICATIONS

CaF2 : 70% MIN.
SiO2 : 15% MAX.
Moisture : 5% Max.
Size : 5 To 30 MM in Briquettes Form Or Lumps (+/-10%)

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) DEDUCTION IN CaF2 & SiO2: : PRORATA DEDUCTION WILL BE ON CaF2 ONLY.
- 2) Moisture accepted upto 10% from its max. limit 5% max. with prorata deduction.
- 3) DEDUCTIONS IN SIZE :
THERE IS NO DEDUCTIONS UPTO 10% OVER & UNDER SIZE IN MATERIAL, IN CASE IF IT IS IN RANGE BETWEEN 10% TO 15% IN UNDER SIZE, THE DEDUCTION WILL BE Rs. 100/- PMT. AND IN CASE IF IT IS IN BETWEEN 10% TO 25% IN OVER SIZE THEN THE DEDUCTION WILL BE Rs.50/- PMT.

16 **2000001280 FERRO CHROME,HC,CR:60TO65%**

SPECIFICATIONS

Cr: 60% Min.
C : 8% Max.
Si: 4% Max
P : 0.04% Max.
S : 0.05% Max.
SIZE:10 To 40MM(+/-5% Tolarence)
Packing: 1 MT bag.

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) JSPL weighment & analysis will be final for payment.
- 2) Payment will done on Cr : 60% prorata base.
- 3) In case the Cr % goes above 62% then no prorata will be given against the % found more than 62%.
- 4) PRO-RATA : PAYMENT ON PRORATA BASIS FOR ANY INCREASE/DECREASE TAKING Cr. 60% (MIN)AS BASE. IF MATERIALS IS RECEIVED BELOW 60% Cr. JSPL RESERVE THE RIGHT TO REJECT OR ACCEPT THE MATERIAL OR PRORATA DEDUCTION WOULD BE DOUBLED. IF MATERIAL IS RECEIVED ABOVE 60% Cr,THEN PRO-RATA WILL BE APPLICABLE.
- 5) FOR Si. (Silica) : In case Si goes above from 4% max. limt then there will be 0.5% DEDUCTION ON LANDED COST.
- 6) FOR Phos : In case Phos goes above from 0.04% max. limt to 0.045% then there will be 0.1% DEDUCTION ON LANDED COST on every 0.005%
- 7) DEDUCTIONS IN SIZE :
THERE IS NO DEDUCTIONS UPTO 10% OVER & UNDER SIZE IN MATERIAL
IN CASE UNDER SIZE EXCEEDS 10% DEDUCTION OF Rs. 100/- PER TON PER PERCENTAGE
IN CASE OF OVER SIZE ABOVE 10%, DEDUCTION OF RS. 100/- PER TON PER PERCENTAGE

17 **2000000042 FERRO CHROME,LC**

SPECIFICATIONS

Packing : 40/50 KG HDPE BAGS.
Cr. : 65.0% MIN.
C. : 0.10% MAX.
SIZE : 10 TO 50 MM (+/-10%)

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) The Price Based on Chrome 65% Min.
- 2) For C (Carbon):-For every 0.1% increase 0.02% deduction on landed cost
- 3) PRO-RATA : PAYMENT ON PRORATA BASIS FOR ANY INCREASE/DECREASE TAKING Cr. 65% (MIN)AND OUR LAB RESULT WILL BE FINAL FOR PAYMENT. ONLY +/- 1% VARIATION ACCEPTED ON PRORATA BASIS. IF MATERIAL IS RECEIVE BELOW 64% Cr. JSPL RESERVE THE RIGHT TO REJECT & RETURN THE MATERIAL OR PRORATA DEDUCTION WOULD BE DOUBLED. IF MATERIAL IS RECEIVED ABOVE 66% Cr,THEN PRO-RATA WILL BE LIMITED TO 66% Cr.
- 4) DEDUCTIONS IN SIZE :
THERE IS NO DEDUCTIONS UPTO 10% OVER & UNDER SIZE IN MATERIAL
IN CASE UNDER SIZE EXCEEDS 10% DEDUCTION OF Rs. 100/- PER TON PER PERCENTAGE
IN CASE OF OVER SIZE ABOVE 10%, DEDUCTION OF RS. 100/- PER TON PER PERCENTAGE

18 **200000048 FERRO NIOBIUM**

SPECIFICATIONS NIOBIUM (Nb): 65% MIN.
SIZE : 10-50 MM (+/-10%)
PACKING : 250 KG STEEL DRUM
ORIGIN : BRAZIL
ORIGINAL TEST CERTIFICATE TO BE SUBMITTED.

DEDUCTION NORMS MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) THE PRICE IS BASED ON (Niobium) Nb. 65% AS BASE (PRORATA BASIS).
- 2) PAYMENT ON PRORATA BASIS TAKING 65% Nb (Niobium) AS BASE & OUR LAB REPORT WILL BE FINAL FOR PAYMENT.
- 3) IN CASE OF ANY DISPUTE JOINT SHAMPLING & ANALYSIS TO BE DONE AT OUR LABORATORY IN PRESENCE OF YOUR REPRESENTATIVE. THE RESULT THUS OBTAINED WILL BE FINAL FOR PAYMENT.
- 4) DEDUCTIONS IN SIZE :
UNDERSIZE UPTO 15% FROM 10% MAX. LIMIT, 1% LCNC DEDUCTION FOR EVERY 1% INCREASE IN SIZE VARIATION
OVERSIZE UPTO 15% FROM 10% MAX. LIMIT, 0.5% LCNC DEDUCTION FOR EVERY 1% INCREASE IN SIZE VARIATION

19 **200000069 NICKEL METAL**

SPECIFICATIONS NICKEL PLATE 4" X 4"
PURITY - 99.5% MIN.

DEDUCTION NORMS MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) For Nickel:-In case Nickel is below 99.5%, prorate deduction will be done.
- 2) DEDUCTIONS IN SIZE :
NO DEDUCTION

20 **200000041 FERRO BORON**

SPECIFICATIONS Ferro Boron
B - 15% MIN.
Si- 2% Max.
C- 1% Max.
S- 0.02% Max.
Balance Fe
Size: 10-60 mm
Packing : In steel drum
Size: 10-60 mm

DEDUCTION NORMS MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) IN CASE BORON GOES LESS THAN 15%, PRORATA DEDUCTION WILL BE MADE.
- 2) DEDUCTIONS IN SIZE :
THERE IS NO DEDUCTIONS UPTO 10% OVER & UNDER SIZE IN MATERIAL
IN CASE UNDER SIZE EXCEEDS 10% DEDUCTION OF Rs. 100/- PER TON PER PERCENTAGE
IN CASE OF OVER SIZE ABOVE 10%, DEDUCTION OF RS. 100/- PER TON PER PERCENTAGE

21 **200000001 MANGANESE METAL BRIQUETS**

SPECIFICATIONS Mn:-98% Min
S:- 0.05% Max
C:- 0.04% Max
Size:-55mm*35mm*25mm

DEDUCTION NORMS MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) Manganese base is 98 %. If supplier gives the Manganese -3 % (95 % Min.)then payment will be released on pro-rata basis.
- 2) If material is received below 95 % JSPL reserve the right to reject & return the material or deduction would be doubled on pro-rata basis.JSPL lab result will be final for payment. If material received above 98%, then pro-rata will be limited to 98% only.
- 3) C% : 0.04% (acceptable upto 0.06% Max.)
- 4) For every 0.01% increase in Carbon,5% deduction on Landed rate PMT.
- 5) In case of any dispute, joint sampling & analysis to be done in JSPL lab in presence of party representative. The result thus obtained will be final.
- 6) DEDUCTIONS IN SIZE :
NO DEDUCTION

22 **200000097 WIRE 13MM,CA-SI**

SPECIFICATIONS Calcium Silicide Source is from Latin American sources only
Ca.: 30% Max.,
Si.: 65% max.
C. : 1.5% max.
WIRE SHAPE & DIA. : Round / 13 mm. dia.(Aprox.)
POWDER WEIGHT : 235 + / - 15 gms/mtr.
Exact content should be displayed on Each coil.

DEDUCTION NORMS MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) For Ca: Ca less than 30% the material will be rejected or In case of acceptance the deduction will be done on prorata basis.
- 7) DEDUCTIONS IN SIZE :
NO DEDUCTION

23 **1000044596 CALCIUM SILISIDE LUMPS**

SPECIFICATIONS PACKING - 1 MT JUMBO BAGS
Size - 10 - 60 MM (90%)
Si - 58% Min.
Ca. - 28% Min.
C. - 1.5% MAX.
Phos - 0.05% Max.
Sulphur - 0.05% Max.

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) FOR C. (CARBON) : FOR EVERY 0.1% INCREASE : 0.1% DEDUCTION ON LANDED COST.
- 2) For Ca: Ca less than 28% the material will be rejected or In case of acceptance the deduction will be done on prorata basis.

24 1000044530 MAGNESITE TUNDISH COVER (ACTIVE TUNDISH)**SPECIFICATIONS**

MgO - 75 - 80% Acceptable upto 82% Maximum side and 73% Minimum Side with deviation landed cost prorata basis.
SiO2 - 5% Max. - Acceptable upto 6%
AL2o3 - 2% Max. - Acceptable upto 3%
Fe2O3 - 1% Max.

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) MgO - acceptable upto 82% Maximum side and 73% Minimum Side with deviation landed cost prorata basis.
- 2) SiO2 -acceptable upto 6%
- 3) AL2o3- acceptable upto 3%

25 2000000087 SYNTHETIC SLAG (ALMIX)**SPECIFICATIONS**

CaO - 50 - 55% (Acceptable upto 57% Max. and 48% Minimum side)
AL2O3 - 22 - 26% (Acceptable upto 28% Max. and 20% Minimum side)
CaF2 - 14 - 18% (Acceptable upto 20% Max. & 12% Minimum side)
SiO2 - 4% Max. (Acceptable upto 4.5% Maximum)
MgO - 5% Max. (Acceptable upto 6% maximum side)
LOI - 2% Max. (Acceptable upto 3% maximum side)

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) (Cao +Al2o3 + CaF2) = 85% Min. Below 85%, deductions @ 1.5% of landed cost for every decrease of 1%

26 2000000096 WIRE 13MM,CA-FE**SPECIFICATIONS**

Ca. : 28 % Min.
Al. : 1.5% Max.
Fe. : Balance
Dia. : 13 mm, Horizontal
Powder Weight : 280 Gram / meter. (+/-10 gram/meter)

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

27 2000000049 FERRO PHOSPHOROUS**SPECIFICATIONS**

Size : 10 - 75 mm(90%)
P : 25% Min.
C : 1% Max.
PACKING : 40/50 KG HDPE BAG.

28 1000027512 LEAD WIRE,13MM

SPECIFICATIONS WIRE DIA - 13 MM,HORIZONTAL FLIPPING
Pb - 99% MIN (PURITY), 1000 +/- 100 GRAM PER METER
Fe - 0.5% MAX

29 2000000091 STICK,SULPHUR

SPECIFICATIONS SULPHUR : 99%
PACKING IN 25 KG BAGS

30 2000000056 IRON,SULPHIDE

SPECIFICATIONS S : 30% Min.
Balance Fe
Size:25-70 mm

31 STEAM COAL

SPECIFICATIONS Moisture% = 10% Max
FC = 48 Min & rejection below 47%.
Size = 25-100 mm
Size Tolerance = -25mm - 10% Max & rejection above 12%.

DEDUCTION NORMS MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) JSPL analysis & weighment will be final for billing & payment purpose.
- 2) In case Moisture exceeds 10%, the excessive moisture shall be deducted from the invoice tonnage
- 3) In case FC is below 48%, deduction will be made on prorata basis.
- 4) DEDUCTIONS IN SIZE :
IN CASE UNDERSIZE EXCEEDS 10%, DEDUCTION OF RS.100/- PMT/PER PERCENTAGE INCREASE WILL BE MADE.
NO DEDUCTION FOR HIGH OVERSIZE WILL BE MADE.
FOR UNDERSIZE BELOW 8%, BONUS @ RS.50/- PMT PER PERCENTAGE DECREASE IN UNDERSIZE BELOW 8% WILL BE PAID BY JSPL.

32 NUT COKE

SPECIFICATIONS SIZE : 6-30 MM.
FC : 65% Min.
VM : 2% Max
Ash : 33% Max.
Moisture- 10% Max.
Size Tolerance : (+/-)5% Max

DEDUCTION NORMS MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) JSPL analysis & weighment will be final for payment purpose.
- 2) The price to be based on FC-65%.For decrease in FC below 65% corresponding deduction will be made on prorata basis.For FC below 64%, material will be rejected outright. In case JSPL accepts material with FC below 64%, then the deduction will be based on the market rate of Nut Coke with FC below 64%.
- 3) If moisture exceeds 10%, the invoice weight will be corrected to 10% Total Moisture.

4) DEDUCTIONS IN SIZE :
OVERSIZE :DEDUCTION OF RS.50/- PMT WILL BE APPLICABLE FOR EVERY 1% INCREASE IN OVERSIZE(FOR +30MM) ABOVE 5%.
UNDERSIZE: IN CASE UNDER SIZE (-6MM) EXCEEDED ABOVE 5%, DEDUCTION OF RS.50/- PMT FOR EVERY 1% INCREASE IN UNDERSIZE WILL BE

33 FERRO MANGANESE SLAG

SPECIFICATIONS

MnO:30 TO 32%,
SIZE : 10-100 MM (+/-10%)

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

- 1) JSPL analysis & weighment will be final for payment purpose.
- 2) The price to be based on MnO-30%.For decrease in MnO below 30% corresponding deduction will be made on prorata basis.
- 3) DEDUCTIONS IN SIZE :
IN CASE UNDERSIZE & OVERSIZE EXCEEDS 10%, 1% OF BASIC PRICE WILL BE DEDUCTED FOR EVERY 1% INCREASE.

34 CALCINED DOLOMITE

SPECIFICATIONS

PACKING : 1 Ton Jumbo Bags or Loose packing
SIZE : 10 - 80 MM
CaO : 50% Min.
MgO : 30% Min.
CaO + MgO : 85% Min.
SiO2 : 4.75% Max.
Size Tolerance: (-) 10 MM, 10% Max. (+) 80 mm, 10% Max.

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

(CaO+ MgO): Deduction on landed cost prorata basis
SiO2 (Silica): Penalty for higher Silica:
4.75 to 5% - Rs. 10/- PMT
5.01 to 5.5% - Rs. 20/- for every 0.1% increase.
5.5% > Rs. 25/- for every 0.1% increase in SiO2. However JSPL reserves the right to reject the material if Silica content is higher than 6%
3) DEDUCTIONS IN SIZE :

PENALTY FOR UNDERSIZE (-10MM):
10 TO 20%: RS. 10/- PMT/PER PERCENTAGE.
20 TO 25%: RS. 20/- PMT/ PER PERCENTAGE
25% >: REJECTED

PENALTY FOR OVER SIZE (+80MM):
10 TO 20%: RS. 10/- PMT/PER PERCENTAGE.
20% >: REJECTED

35 LIME STONE (10 - 40 MM)

SPECIFICATIONS

CaO-47% Min
SiO2-4.50% Max
MgO-3% Max
Size- 10 TO 40 MM Size Tolerance:- (a) -10mm-7.50% Max. (b) +40mm-5% Max.

DEDUCTION NORMS

MATERIAL CAN BE REJECTED FOR DEVIATION IN QUALITY, BUT IF ACCEPTED BY US PAYMENT WILL BE DEDUCTED AS FOLLOWS:-

1) JSPL will not depute any third party inspection agency for sampling of Limestone at Katni. The supplier has to provide third party analysis report prior to dispatch and obtain dispatch clearance from JSPL prior to loading. The payment will be released on the basis third party analysis report.

2) If there will be any variation at loading end analysis report. The Payment shall be made as per following prorata basis:

CaO: Rs.1/- PMT For every 0.1% decrease in CaO below the minimum limit.

SiO2:Rs.2/- PMT for every 0.1% increase in SiO2 above the maximum limit.

3) DEDUCTIONS IN SIZE :

UNDERSIZE: 100 % PRORATA BASIS OF MATERIAL COST.

OVERSIZE: 50 % PRORATA BASIS OF MATERIAL COST.

36 LIME STONE (40 - 80 MM)**SPECIFICATIONS**

Size - 40 to 80 mm

Size Tolerance- (+/-5% Max) & +90mm will be nil.

CaO-53% MIN

SiO2-1.50% Max

Al2O3-0.50%Max

Fe2O3-0.20% Max

MgO- 1% Max

37 DOLOMITE (2 - 8 MM)**SPECIFICATIONS**

1) Loading End Specifications:-

CaO: 28% Min.

MgO: 18% Min.

SiO2: 4% Max.

Size Tolerance:-2mm-5% Max & +8mm-5% Max.

2) Unloading End Specifications:-

CaO: 28% Min.

MgO: 18% Min.

SiO2: 4.20% Max.

Size Tolerance:-2mm-10% Max & +8mm-5% Max.

DEDUCTION NORMS

Unloading End Analysis will be final for payment purpose.

38 DOLOMITE (10 - 40 MM) OR DOLOMITE (10 - 45 MM)**SPECIFICATIONS**

1) Loading End Specifications:-

CaO: 28% Min.

MgO: 18% Min.

SiO2: 5% Max.

Size Tolerance:-10mm-7% Max & +40mm-5% Max. And +45mm- 5% max.

2) Unloading End Specifications:-

CaO: 28% Min.

MgO: 18% Min.

SiO2: 5.20% Max.

Size Tolerance:-10mm-12% Max & + 45mm-5% Max.

DEDUCTION NORMS

Unloading End Analysis will be final for payment purpose.

39 DOLOMITE (40 - 80 MM)

SPECIFICATIONS

1) Loading End Specifications:-

CaO: 28% Min.

MgO: 18% Min.

SiO₂: 3% Max.

Size Tolerance: -40mm-5% Max; +80mm-5% Max & +90mm-Nil.

2) Unloading End Specifications:-

CaO: 28% Min.

MgO: 18% Min.

SiO₂: 3.20% Max.

Size Tolerance: -40mm-10% Max; +80mm-5% Max & +90mm-Nil.

DEDUCTION NORMS

Unloading End Analysis will be final for payment purpose.

40 METAL COVERING COMPOUND

41 BOTOM CLEANING COMPOUND

42 SLAG POT COATING COMPOUND

43 CASTING POWDER FOR BEAM BLANK

44 CASTING POWDER FOR ROUND

45 CASTING POWDER BILEET