



Century Fab-Tech Pvt. Ltd.

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REF: CFPL/110-R/2023-2024

DATE: 12/06/2023

THE PURCHASE MANAGER  
M/S. JINDAL ALUMINIUM LTD  
BHIWADI DIVISION  
BHIWADI -301019  
EMAIL: [purchase.bhiwadi@jindalaluminium.com](mailto:purchase.bhiwadi@jindalaluminium.com)

Dear Sirs,

SUB: SUPPLY AND INSTALLATION OF 15 T CAPACITY LOG HANDLING GRABBER CRANE  
FOR LOG STORAGE & FEEDING AT BATCH-TYPE HOMOGENIZING FURNACE

REF: ENQ NO. EN230203628 DT. 07/02/2023

With reference to the above, we are pleased to submit our offer for the 15 Ton capacity log handling grabber crane without automation controls.

**TECHNICAL SPECIFICATION FOR 15-TON CAP LOG HANDLING CRANE WITH GRABBER FIXTURE & VFD PANEL: (No PLC control)**

- |                       |   |
|-----------------------|---|
| 1. Equipments         | : LOG SHIFTING, STORAGE & FEEDING                     |
| 2. Type               | : DOUBLE BOX GIRDER TYPE WITH GRABBER                 |
| 3. Capacity           | : 15000 Kg hoist.                                     |
| 4. Span               | : 6550 mm – To be confirmed ✓ Upt 7 m 23              |
| 5. Height of travel   | : 7.0 M - up-down movement ✓                          |
| 6. Class of Duty      | : Cl 4 as per IS 807/IS 3177/ 3938 Indoor duty.       |
| 7. Ambient Temp       | : 45 deg C. ✓   |
| 8. Gantry length      | : 12.70 meters – To be confirmed by JRM               |
| 9. Headroom           | : 1200 mm from the gantry rail top – Confirmed by JAL |
| 10. Operating Speeds: |   |
| UP - DOWN             | : 6.0 m/min ✓   |
| LT                    | : 20.0 m/min ✓  |
- ] As per RMD - Specs.

→ RRC - 10 motion SNT Make  
 → Pendant operated.

- 11. Motors as per IS-325/ 3 phase/ 415 volts  
 Up-down : 30 HP / SQC/ Cl. F' insl/ IP 55 protection x 1 No- BBL/Marathon  
 LT : 2.5 HP / SQC/ Cl. F' insl/ IP 55 protection x 2 No- SEW
- 12. Brakes:  
 UP-DOWN : ACEM Disc type/ AC Brake OR Hydraulic thruster brake / *Thruster Brakes*  
 LT : DCEM Disc type/ DC Brake- SEW Make
- 13. Wheels:  
 LT : Dia 320 mm/C-55 Forged & machined/ hardened to 25- 30 double flanged / to suit 50 x 50 SQ Rail / L' Type Housing
- 14. LT Drive : Twin drive assembly.
- 15. Wire rope Dia : Dia 20 mm/6 x 36 const/ FMC core, tensile strength 180 kg/sq mm as per IS 2266. *Fiber core.*
- 16. Rope Fall : 2 falls x 4 points suit the grabber arrangement. - *Total 8 NOS*
- 17. Log Grabber : Log Grabber will be fabricated by CFPL as per JAL drawing
- 18. Rope drum : Dia 400/ Seamless pipe machined with rope grooves (LH & RH) *Double Drum*
- 19. Platform : A service platform will be provided for full length.
- 20. Operation : Through Automation - PLC based (Not in our scope)
- 21. Control panel : Will be provided for Hoisting & LT with VVFD drive control.
- 22. Power supply : 415 Volts/ 3 Phase/50 c/s.
- 23. D S L system : Safe track shrouded type D S L system for 12.70-meter length → *JAL Slo,*
- 24. Safety limit switch : Will be provided for UP & Down  
 LT : Long lever type 2-way heavy-duty limit switches will be provided
- 25. End buffer : Spring buffers will be provided for LT.
- 26. Painting : The crane will be painted with 2 coats of zinc epoxy primer & finish Paint Orange - RAL 2011 color after thorough surface clearing.
- 27. Method of lubrication : Localized.
- 28. Total weight of the crane : 14.30 Tons with the Grabber fixture

Single Motor  
Double-Drum

**PRICE: (JRM)**

1. Design, Manufacturing, and Supply of 15 Ton capacity, 6.550-meter span, 8.0-meter lift log handling grabber Crane for log grabber & with VVFD controls as per the above technical specification would be... (Without PLC auto controls).

(Rs. Twenty-seven lakh thirty-five thousand only)

Rs. 27,35,000/- each

2. Manufacturing, supply, and assembly of 15T capacity log grabber fixture as per JAL given drawing and specification would be...

(Rs. Seven lakh eighty thousand only)

Rs. 7,80,000/-

3. Erection and commissioning of the crane at your works ....

(Rs. One lakh ten thousand only)

Rs. 110,000/- Extra.

Total  
Rs. 36,25,000/-  
Agreed  
Rs. 34,40,000/-

**TERMS AND CONDITIONS:**

**1. WARRANTY:**

The crane will be guaranteed for a period of 12 months from the date of commissioning the equipment at your works for any bad workmanship or faulty materials. Provided the defects are not due to bad storage, misuse, or Mishandling of the equipment at your site or normal wear & Tear

Approx Freight: Rs. 1,00,000/-  
(Considered extra) ~~Rs. 27,35,000/-~~

**2. DELIVERY:**

The equipment can be supplied within 90 days of the date of receipt of your confirmed order.

**3. MANUALS:**

2 sets of instruction and spare parts manuals, complete electrical drawings, maintenance manual will be furnished along with the machine after commissioning the crane at your site.

**4. CERTIFICATES:**

We will submit test certificates for all the bought-out items like motors, wire rope, hooks, Brakes, limit switches and Heat Treatment of Wheels, Gears, and pinions will be submitted.

Rs. 450/- per set x 70 = 31,500  
+ 70 x 40 = 28,000  
Rs. 65,000/-  
Rs. 34,27,000/-  
Rs. 150/- per set x 100 = 15,000  
To 10,500  
73,500

**5. PAYMENTS:**

40% Advance along with the confirmed order.  
60% + 100% Tax against the delivery of the materials.  
Erection & commissioning charges after completion of the work at your works

6. G S T: Will be charged extra @ 18%.

Total Budget Price

**7. TRANSPORTATION: Extra at actual on your account**

→ Crane with Grabber - Rs. 34,40,000/-  
→ Rails / Bus Bar / Fender - Rs. 73,500/-  
→ TPI Charges - Rs. 25,000/-  
→ SPP/Dea/ Crane - Rs. 25,000/-  
Total - Rs. 35,73,500/-

Discussed with  
Mr. Sachin and agreed  
above.

23/06/23

## 8. VALIDITY:

Our offer will remain valid for a period of 30 days from the date of this offer and thereafter subject to our Confirmation only

FOR CENTURY FAB TECH PVT LTD

SUDHIR PRASAD  
MANAGING DIRECTOR

- Price Basis: Ex-works - Base.
- I GST: 18% Extra.
- Delivery: 10 to 12 weeks from the date of order.
- Payment: 30% Advance, 60% After delivery with 7 days, balance after commissioning.
- Warranty: One year
- Execution & Commissioning: Party scope - rate, included. JAL will provide Breadth & Lodging to 3 persons in staff category at free of cost. to 7 days.
- TPI - ~~at~~ Regret.
- Rails / Bus bar erection - JAL Scope.
- Unloading - JAL Scope.
- Hydro / Crane for erection - JAL Scope.
- ESI / PF - Party scope.
- Control panel will be supplied.

**SNSENGINEERING NTA PRIVATE LIMITED****H1-818-19, RIICO INDUSTRIAL AREA CHOPANKI,**

BHIWADI – 301019, Alwar (Rajasthan),

E.MAIL:- [sns@snsengg.com](mailto:sns@snsengg.com), [snsengg@yahoo.com](mailto:snsengg@yahoo.com)Web:- [www.snsengg.com](http://www.snsengg.com), +917734054280**OFFER NO.- SNS/23-24/QTN-105/June****Kind Attn.- Mr. Rupesh Ji****DATE: 13<sup>th</sup> June 2023****M/s Jindal Aluminum Ltd.**

b.	Cross Travel	:	Not Applicable
c.	Long Travel	:	Two-way lever type.
d.	Make	:	Crane Control / SOC
16	<b>CRANE CONTROLS</b>	:	
a.	Protective Panel	:	Consisting of MCCB, MCB Main line contactor, Step down transformer, Single Phase Preventer.
b.	Drive Panel	:	Consisting of Contactor, MCB, Overload Relays.
c.	Make	:	L&T/Standard/Siemens/Schneider.
17	<b>CABLES</b>	:	Interconnected
a.	Make	:	<u>IGUSS/LAPP</u>
18	<b>CURRENT COLLECTION</b>	:	
a.	Cross Travel	:	Not Applicable
b.	Long travel	:	Through Shrouded Type DSL 100Amp Gi Cond. <b>Client Scope</b>
19	<b>POWER SUPPLY</b>	:	415 V, +/-10%, 3 phase, 50 Hz.
20	<b>CONTROL VOLTAGE</b>	:	110 V AC, 1 phase, 50 Hz.
21	<b>COUPLING</b>	:	Flexible geared coupling.
22	<b>WHEELS</b>	:	
a.	Type	:	Double flanged straight tread type suitable to 60 LBS rails
b.	Material	:	Forging EN-8/9.
c.	Type of bearings	:	Antifriction Ball/roller.
d.	LT Wheel Dia./ qty.	:	Ø 320 / 4
e.	CT Wheel Dia./ qty.	:	Not Applicable
23	<b>HOOKS</b>	:	
a.	Type	:	Bottom Pulley and Grabber arrangement
b.	Swiveling	:	Not Applicable
c.	Make	:	SNS
24	<b>BEARING</b>	:	Antifriction Ball / Taper roller & Spherical roller etc.
25	<b>PLATFORM</b>	:	
a.	Type	:	Steel Chequered plate with toe guard and two-tier hand railing on drive side full length platform shall be provided.
26	<b>BUFFER</b>	:	Spring Buffer shall be provided for L.T.
27	<b>L.T. RAIL</b>	:	60 LBS
28	<b>CRD</b>	:	Spring Loaded CRD for Grabber Motor. Make - MITOOL
29	<b>PAINTING</b>	:	The cranes shall be painted with two coats of zinc chromate primer followed by two coats of golden yellow synthetic enamel paint. / As per client's specification.
30	<b>CRANE WEIGHT</b>	:	9.5 T (Approximate)
31	<b>LT MAX WHEEL LOAD (Without impact)</b>	:	12.5 T (Approximate)

**SNSENGINEERING NTA PRIVATE LIMITED****H1-818-19, RICO INDUSTRIAL AREA CHOPANKI,**

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E.MAIL:- [sns@snsengg.com](mailto:sns@snsengg.com), [snsengg@yahoo.com](mailto:snsengg@yahoo.com)Web:- [www.snsengg.com](http://www.snsengg.com), +917734054280

OFFER NO.- SNS/23-24/QTN-105/June

Kind Attn.- Mr. Rupesh Ji

DATE: 13<sup>th</sup> June 2023

M/s Jindal Aluminum Ltd.

**ANNEXURE - I TECHNICAL SPECIFICATION****TECHNICAL SPECIFICATION FOR D/G EOT CRANE CAP-5T SPAN-16.50 m**

1	Type of crane	:	D/G EOT CRANE WITH GRABBER
2	Class of duty	:	Class-IV (M8), as per IS 3177, 807, 800
3	Capacity	:	15 T
4	Qty. required	:	1 No.
5	Operating Environment	:	Indoor
6	Span	:	6.163 m
7	Height of Lift:	:	7 m
8	Crane Control	:	Operation Through Pendant push button Station from ground floor and 10 point RRC
9	<b>SPEED*</b>	:	
a.	Main Hoist	:	6 mpm (Through VVVF)
b.	Cross Travel	:	Not Applicable
c.	Long travel	:	20 mpm (Through VVVF)
10	<b>MOTOR**</b>	:	
a.	Main Hoist (KW/Pole/Type)	:	30 HP/ 6P / Sq. Cage. RPM 960
b.	Cross Travel (KW/Pole/Type)	:	Not Applicable
c.	Long travel (KW/Pole/Type)	:	2 X 2.5 HP / 4P /Sq. Cage Geared Brake Motor. RPM 1440
e.	Make	:	BBL/Marathon
	<b>NOTE 1</b>	:	All Motors are, TEFC, MH-60% CDF, 300 S/Hr, CT&LT-100% CDF, 150 Starts/hr., Crane Duty Motors, Class F Insulation, Temp rise limited to Class B.
11	<b>WIRE ROPE</b>	:	
a.	No of Falls/Dia.	:	2/16 mm. 8 Points
b.	Factor of Safety	:	As Per IS 3177
c.	Type of core/construction	:	Fibre / 6X36
d.	Tensile Strength	:	180 kg / mm sq.,
e.	IS specification	:	IS 2266.
f.	Make	:	USHA MARTIN.
12	<b>GEAR BOX</b>	:	
a.	Type of gear box	:	MH: -Totally enclosed helical gear box LT: -Geared Brake Motor.
b.	Material of Body	:	CI Grade -FG-200, IS 210.
c.	Material of Gears & Pinion	:	Low carbon alloy Steel (20MnCr5, SAE-8620 or Equivalent), Hardened & profile ground.
d.	Type of Lubrication	:	Oil Splash Lubrication.
13	<b>ROPE DRUM</b>	:	Seamless Pipe as per ASTM A106. Dia 400
14	<b>BRAKES</b>	:	MH: - EHT Brake 34 Kg, 2 Nos. LT: - EMDC Geared Brake Motor
	Make	:	EHT: - Crane Control / SOC DC Disc: - BBL/CGL
15	<b>LIMIT SWITCH</b>	:	
a.	Main Hoist	:	Snap Action Type

**SNSENGINEERING NTA PRIVATE LIMITED**

H1-818-19, RIICO INDUSTRIAL AREA CHOPANKI,

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OFFER NO.- SNS/23-24/QTN-105/June

Kind Attn.- Mr. Rupesh Ji

DATE: 13<sup>th</sup> June 2023  
M/s Jindal Aluminum Ltd.**ANNEXURE - II PRODUCT PRICING**

Sr No	DESCRIPTION	UO M	QTY	UNIT PRICE (RS.)	TOTAL AMOUNTS (RS.)
1	BASIC COST OF DESIGN, MANUFACTURING, SUPPLY OF D/G EOT GRABBER CRANE WITH BATCH LOG CAPACITY - 15T, SPAN -6 M AND HEIGHT OF LIFT-6 M	NO.	1	31,50,000.00	31,50,000.00 (Rs. Thirty-One Lakhs Fifty Thousand Only)
2	ERECTION & COMMISSIONING	Crane	1	1,20,000.00	1,20,000.00 (Rs. One Lakhs Twenty Thousand Only)
3	FREIGHT	Crane	1	35,000.00	35,000.00 (Rs. Thirty Five Thousand Only)
3	RAIL LINE 60 LBS INSTALLATION CHARGE (MATERIAL IN CUSTOMER SCOPE) FOR 70 MTR BAY LENGTH	Mtr	140	350	49,000.00 (Rs. Forty Nine Thousand Only)

**ANNEXURE - III TERMS & CONDITIONS**

Notes:

- Any type of Civil Works is not in our scope.
- LT End stopper is in Client Scope.
- The first fill of Oil shall be in Customer Scope.

**Commercial Terms and Conditions**

- Price Basis:** We clarify that the prices quoted by us are Ex-works Bhiwadi basis inclusive of suitable packing.
- Packing and Forwarding Charges:** Packing and forwarding charges are extra as indicated in the above price.
- Freight, Transit Insurance and Octroi:** Freight, Transit insurance and Octroi shall be arranged by us at our own cost.
- Goods and Services Tax (GST):** We have not included the GST in our quoted prices. The same shall be charged extra as applicable.
- Delivery Period:** The items required by you and offered by us shall be delivered within 7-8 weeks after receipt of your technically and commercially clear and firm purchase order along with advance payment and drawing (good to start manufacturing).
- Terms of Payment:**
  - 30% advance after awarding the purchase order.
  - 70% against Performa Invoice after your satisfactory inspection and prior to dispatch.
  - 10% after erection and commissioning at site.
- Inspection:** Third Party inspection charges shall be arranged by us at our cost.

Handwritten notes and signatures in blue ink, including "Disputed", "26,00,000/-", and "Rs. 29,00,000/-".

## **SNSENGINEERING NTA PRIVATE LIMITED**

**H1-818-19, RIICO INDUSTRIAL AREA CHOPANKI,**

BHIWADI - 301019, Alwar (Rajasthan),

E.MAIL:- [sns@snsengg.com](mailto:sns@snsengg.com), [snsengg@yahoo.com](mailto:snsengg@yahoo.com)

Web:- [www.snsengg.com](http://www.snsengg.com), +917734054280



**OFFER NO.- SNS/23-24/QTN-105/June**

**Kind Attn.- Mr. Rupesh Ji**

**DATE: 13<sup>th</sup> June 2023**

**M/s Jindal Aluminum Ltd.**

8. **Guarantee/ Warranty:** We shall stand Guarantee for workmanship and materials for a period of 12 months from the date of commissioning and 18 months from the date of dispatch, whichever is earlier.
9. **Validity:** our offer and the prices shall remain valid for your acceptance for a period of 10 days from the date of this offer. Further extension in the validity, if any, will be subject to our written confirmation.
10. **Force majeure:** Force Majeure shall mean any event beyond the reasonable control of either party, as the case may be, and which is unavoidable notwithstanding the reasonable care of the party affected, and shall include, without limitation, the following-
  - a) War, Revolution, Insurrection or hostilities (whether declared or not)
  - b) Riot, civil commotion, or civil uprising.
  - c) Earthquakes, flood, tempest, hurricane, lightning or natural disasters.
  - d) Any fire of major properties and
  - e) Epidemic.
11. **Other Commercial terms and conditions:**

All the commercial terms and conditions shall be mutually discussed and agreed on before award of work.
12. **Customer Scope:**
  - a. A levelled and freely accessible site suitable for all forms of access and mobile craneage.
  - b. Required Power supply to operate erection tools and commission at site.
  - c. Scaffolding as required.
  - d. Unloading at site (Max 50 meters from erection area) shall be in customer scope.
  - e. Any civil work.
  - f. Storage and security of unloaded materials.
  - g. Test load to carry out Load test at site.

**For SENSENGINEERING NTA PVT. LTD.**

**Navneet Saraswat**

**Director Sales & Marketing**

**Mob - +917734054280**



→ Price Basis: FOR-JAL BWD.

→ GST: 18% Extra.

→ Delivery: 7 to 8 weeks from the date of order

→ Payment: 30% Advance against submission of ABG valid for 90 days from the date of issuance

60% + 100% GST within 7 days after receipt of crane.

10% After successful commissioning subject to submission of PBG valid for one year from the date of commissioning

→ Warranty: one year from the date of ~~receipt~~ <sup>commissioning</sup>

→ Remarks: \* (1) Unloading of crane - Party scope

\* (2) Erection and commissioning - Party scope

\* (3) Rail installation - Party scope

\* (4) Bull Bar installation - Party scope

\* (5) Crane/Hydra for unloading and erection - party scope

\* (6) TPI from Authorized agency - Party scope

(7) ~~Party will make one frame for~~ they will take total (only base basic structure) and will take total at their end - Only ~~up and down~~ up and down and ~~crane~~ <sup>crane</sup> movement. - Base from cost

(8) ESI/PF - Party scope.

(9) API DTE/NC and test certificate will be provided by party. TPI

(10) All space drawings, notes & curricula  
specifications, related party specifications  
will be provided by party

~~Signature~~



SE/DG/N-081/R1  
17-05-2023

**Jindal Aluminium Limited**

Bhiwadi Division  
SP-2/333, RICCO Industrial Area  
Bhiwadi, Alwar-301019

**KIND ATTN: - Mr. Rajgopal C Sarma**  
**Mob. No. : - 9611195368**  
**E-mail: - [purchase.bhiwadi@jindalaluminium.com](mailto:purchase.bhiwadi@jindalaluminium.com)**

**SUBJECT: YOUR REQUIREMENT OF 15 TON DG EOT CRANE**

Dear Sir,

This has reference to your enquiry for 15 TON DG EOT Crane.

As desired, we are enclosing herewith our Offer for the same as per the Annexure - I.

The Terms and Conditions of our offer have been detailed in the enclosed Annexure - II.

We take pleasure in informing, that we have supplied various Cranes, for same applications to many customers across India. Some of the recent customers are listed below: -

S. No	Company Name	Place	Capacity	Span
1.	Orissa Alloys	Kharagpur	100/20 Ton	14.4 mtr
2.	Rashmi Metallurgical	Kharagpur	100/20 Ton	14.4 mtr
3.	Rungta Mines Ltd	Dhenkanal	85/30 Ton	22 mtr
4.	Rungta Mines Ltd	Dhenkanal	75/25 Ton	22 mtr
5.	Om Sponge	Raipur	60/20 Ton	21 mtr
6.	Rashmi Metaliks	Kharagpur	60/20 Ton	18 mtr
7.	Real Ispat & power	Raipur	40/10 Ton	20 mtr
8.	KJS Ahluwalia	Barbil	40/10 Ton	19.065 mtr
9.	KRN Alloys Pvt Ltd	Beawar	30/10 Ton	20 mtr
10.	Hindustan Coils Ltd	Raipur	30/10 Ton	17.5 mtr
11.	SRI SHYAM ISPAT IND P LTD	Raigarh	25/5 Ton	17.45 Mtr.
12.	Shivalay Ispat & Power Ltd	Raipur	20/5 Ton	14.5 mtr
13.	Agarwal Chanel Mill	Raipur	25/5 Ton	14 mtr
14.	Narmada Concast	Bhavnagar	25/5 Ton	19.3 mtr
15.	Real Ispat Pvt Ltd	Raipur	25/10 Ton	18 mtr
16.	BMA Stainless Ltd.	Kolkata	20/5 Ton	17 mtrs.

**We are an ISO 9001: 2008 certified quality conscious and reliable manufacturing company.** Cranes manufactured at our Works undergo strict Quality Control checks from Raw Material Stage to Finished product Stage. We have collaborated with a Korean MNC (KG Cranes) to manufacture special hi-tech Cranes in India.

We hope you will find our offer in line with your requirements. In case you need any further clarifications, please feel free to contact us.

Thanking you,

Yours faithfully,

For **SPRINT ENGINEERING PVT. LTD.**

*Sajal Gangwar*

**SPRINT ENGINEERING PVT. LTD.**

Office: W 81, ANUPAM GARDEN, NEW DELHI - 110068

Works: C-355 PIONEER INDUSTRIAL PARK, BILASPUR CHOWK, VILLAGE PATHREDI, GURGAON - 122413, HARYANA

## Annexure – I

<b>QUOTATION FOR 15 TON CAPACITY DOUBLE GIRDER EOT CRANE</b>		
1	Location	Indoor Operation
2	<b>Lifting Capacity (T)</b>	
2.1	Main hoist	15 T
2.2	Auxiliary Hoist	-
3	Type	Double Girder EOT Crane
4	No. Required	1 No
5	Purpose	
6	Duty	Heavy Duty
7	Class	III
8	Standard	IS : 807, IS : 3177 : 2020
9	Crane Span (m)	6 mtrs
10	Track Length (m)	70 mtrs ( apprx )
11	Crane Rail Height (m)	Assuming (+) 8.5 mtrs
12	<b>Height of Lift MH / AH / Hoist</b>	
12.1	- Main Hook (m)	(+) 7 mtrs
12.2	- Auxiliary hook (m)	-
13	<b>Type of Hook / Tackle</b>	
13.1	- Main Hook	15 T- Single C-Shank Hook , as per IS 3815
13.2	- Auxiliary hook	-
13.3	- Closing Lock in Hooks (Safety Lock)	Shall be Provided
13.4	- Hook Approaches (m)	After GA
14	<b>Safe Working Load (S.W.L.)</b>	
14.1	Main hoist	15 T
14.2	Auxiliary Hoist	-
14.3	- Test Load (T)	As per IS -3177:2020
15	<b>Operating Speeds (m/min)</b>	
15.1	- Main Hoist	5
15.2	- Auxiliary Hoist	-
15.3	- Cross Travel	Fixed
15.4	- Long Travel	20
15.5	Mode of speed control for all motion of crane	VVFD (Additional price)
16	<b>Motor Selection Criteria</b>	
16.1	CDF	40%
16.2	Frequency of Start / Stops	150
16.3	Motor insulation Class	Class-F, Temperature rise limited to Class-B, S-4 Crane Duty
16.4	Motor Protection	IP-55
16.5	Supply Voltage	415V(±10%), 50 Hz (±3%), 3 PH A.C.
17	Control Voltage	110 V
18	Ambient Temperature (oC) (Max.)	50°C
19	Factor of Safety	As per IS – 3177 : 2020
20	Factor of safety of wire ropes (minimum)	6
21	<b>Gearing</b>	<b>SPRINT MAKE</b>
21.1	- Pinion Material	En-19/24 Forged Steel 250 to 290 BHN
21.2	- Gear Material	En-9 Forged Steel with 200 to 260 BHN
21.3	- Gear Box Type	Totally enclosed helical type with oil sump lubrication,

**SPRINT ENGINEERING PVT. LTD.**

Office: W 81, ANUPAM GARDEN, NEW DELHI – 110068

Works: C-355 PIONEER INDUSTRIAL PARK, BILASPUR CHOWK, VILLAGE PATHREDI, GURGAON – 122413, HARYANA

21.4	-Gear Box Body	MH-Cast Iron Body & LT- BAUER Make Gearbox
22	<b>Wheels</b>	
22.1	- No. of Wheels for LT. & GF	L.T. – 4 x Dia 320 mm C.T. – Fixed
22.2	- Material / Hardness	En-9/ C55Mn75 Forged Steel, 300 – 350 BHN
22.3	Type of wheel bearings	Self-Aligning Spherical Roller Bearings ARB /ZWZ
22.4	Type of Bearing blocks for LT & GF Wheels	L-Type
22.5	Gantry Rail Size	L.T. 50 Lbs/yd
22.6	Type of coupling between wheels of LT & GF and gear box	Half Geared Half Rigid Coupling
22.7	Type of Coupling between rope drum and Gear Box	Flexible Gear Coupling
23	<b>Motors</b>	
23.1	- Main Hoist	1 x 21 KW/6 Poles/ Sq. Cage / 40% CDF
23.2	- Auxiliary Hoist	-
23.3	- Cross Travel	Fixed
23.4	- Long Travel	2 x 1.5 KW/4 Poles/ Sq. Cage / 40% CDF
24	<b>Brakes</b>	
24.1	- Main Hoist	Dia 200 - 34 Kgs. EHT Type
24.2	- Auxiliary Hoist	-
24.3	- Main Cross Travel	Fixed
24.4	- Long Travel	AC/DC EM Disc Brake
25	Control	From Floor by means of Pendent Push Button Station
26	Current Collection System	Current Collector
26.1	LT & Main Hoist Supply	[3 phase , 415 V AC ] through DSL
26.2	GF Supply	Through Flexible PVC Insulated / heavy duty cable trolley
26.3	Cables	For collection of current to the crabs, C-track PVC insulated copper flexible cables will be provided. For Power circuit (Fixed) Aluminum cable will be provided.
26.4	Type of DSL	Shrouded Type DSL
26.5	Control voltage Auxiliary Transformer	110 V
26.6	Control Panels	Panels are mounted on bridge platform/ cabin. This are made from 1.6 mm CRCA Sheet. The door are 2mm. the mounting plate 3mm & gland
27	Limit Switches	
27.1	GF	Lever Type
27.2	LT	Lever Type
27.3	Hoists	Rotary Limit Switch in addition to Gravity Limit Switch
28	<b>Lubrication System</b>	
28.1	- for gearing	Oil Splash Type
28.2	- for grease lubricated items	Point Lubrication with grease gun
28.3	- first fill of oil / grease	Customer's account
29	Type of Buffers	Spring Type Buffer for L.T. motion
30	Working Platform	One sides Full Length chequered Platforms with Hand Railing , Other side two short Platform
31	Rope Type	IWRC
31.1	Rope Construction type	6x36
31.2	Diameter	MH – 18 mm
31.3	Breaking Strength	1770 N/mm <sup>2</sup>
31.4	No. of Falls	MH - 6 falls
31.5	Core	Steel Core
33	Rope Drum	Made from Seamless Pipes with double side grooves
34	Painting	All parts will be thoroughly scrapped, cleaned and one coat of zinc chromite primer followed by two coats of Epoxy of golden yellow

		colour will be applied before the crane leaves our works.
→ 35	Crane Performance Test	The crane will be tested with 25% overload. This test has to be performed after erection of the crane at site and it will be responsibility of the purchaser to make all necessary arrangements and incur expenses in this regard.
36.	Total Weight of Crane indicative	10 Ton Approx. (Note: - weight given here are only for guidance purpose to design the shad & Gantry. Weight is no way related to costing of the crane)
→ 37.	Price of each Crane	Rs. 18,00,000/-
→ 38.	Extra price for VVVF & DBR in MH & LT Motion	Rs. 1,60,000/-
39.	Shrouded type DSL	<del>Rs. 1500 per/mtr X 70 mtr = 1,05,000/-</del>
40.	LT Rail ( 50 X 50 ) sq.mm	<del>Rs. 4000 per/mtr X 70 mtr = 2,80,000/-</del>
41.	Current Collector	<del>Rs. 15,000/-</del>
→ 42.	Erection & Commissioning of Crane	Rs. 1,60,000/-
→ 43.	Erection of DSL	Rs. 1,000 per/mtr X 70 Mtr = 70,000/-
→ 44.	Erection of Rail	Rs. 1200 per/mtr X 70 mtr = 84,000/-
→ 45.	Optional price for First fill lubrication	Customer's scope
→ 46.	Transportation & Insurance	Rs. 50,000/-
→ 47.	Unloading charges	Rs. 10,000/-
48.	Storage & Site Movement	Customer's scope
49.	Third Party Inspection	Charges to be borne by the Customer Only
50.	Supervision of Commissioning (Electrical part only) of Crane	Rs. 20,000/- Per person per day. (To & fro Fare, Lodging & Boarding shall be in the scope of the Customer)
→ 51.	Delivery Period	3-4 Months from Approval of GA drawing and receipt of advance
→ 52.	Payment Terms	20% advance along with PO + 20% against GA Drawing Approval + balance 60% along with Full GST against Proforma Invoice on readiness of the equipment.
53.	Provision of Mobile/ Hydra Crane for Erection shall be in the scope of Jindal Aluminium Limited	
54.	The make of important components will be as under: (As & where applicable)	
	Motors	: MARATHON/CROMPTON
	Gear Boxes	: In MH SPRINT MAKE GEARBOX
		IN CT & LT - IC BAUER/ SEW Geared Motor will be provided
	Limit Switches	: SPRINT
	Master Controllers	: SPRINT
	Thrustor brakes	: SPRINT
	Flexible Geared Couplings	: SPRINT
	Hooks	: SMRITI FORGINGS
	Wire Rope	: Mahadev / Usha Martin
	Contactors	: ABB / SEIMENS
	Brake Drum Couplings	: SPRINT
	Wheels	: SPRINT
	Bearings	: ARB/ ZWZ/ East European
	Time Delay Relays	: ABB / SEIMENS
	Overload Relays	: ABB / SEIMENS
	Fuses	: STANDARD/ INDO ASIAN/EE / FTC
	Cables	: POLYCAB /KE/ KEC
	Isolator / SFU / MCCB	: ABB / SEIMENS
	Single Phasing Preventer	: MINILAC
	STEEL	: SAIL / JINDAL /TATA
	Under bridge light	: Mayfair / Roshni make

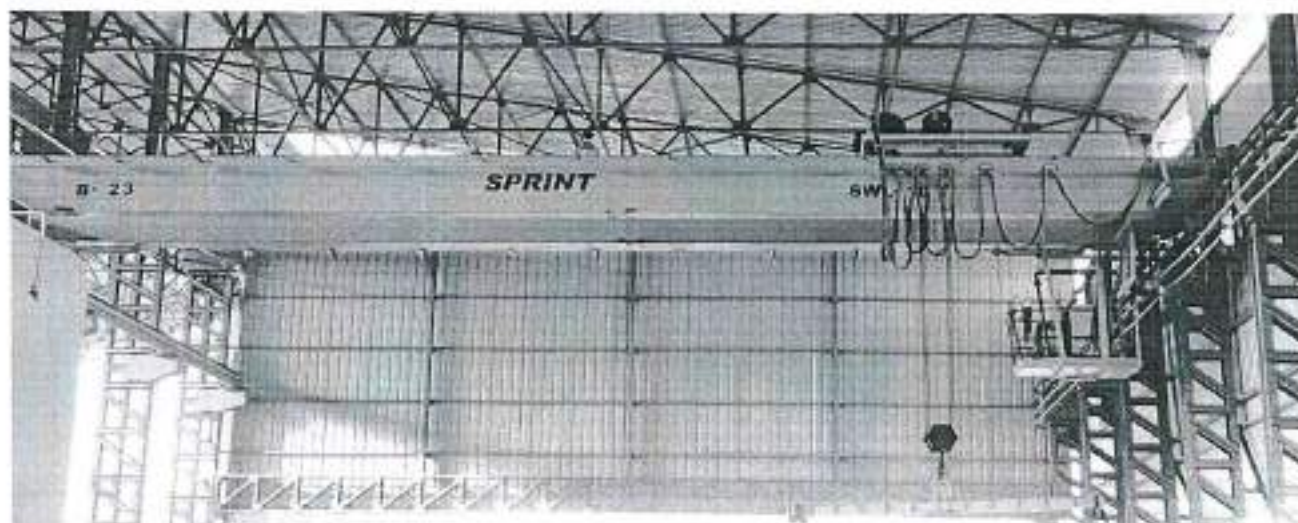
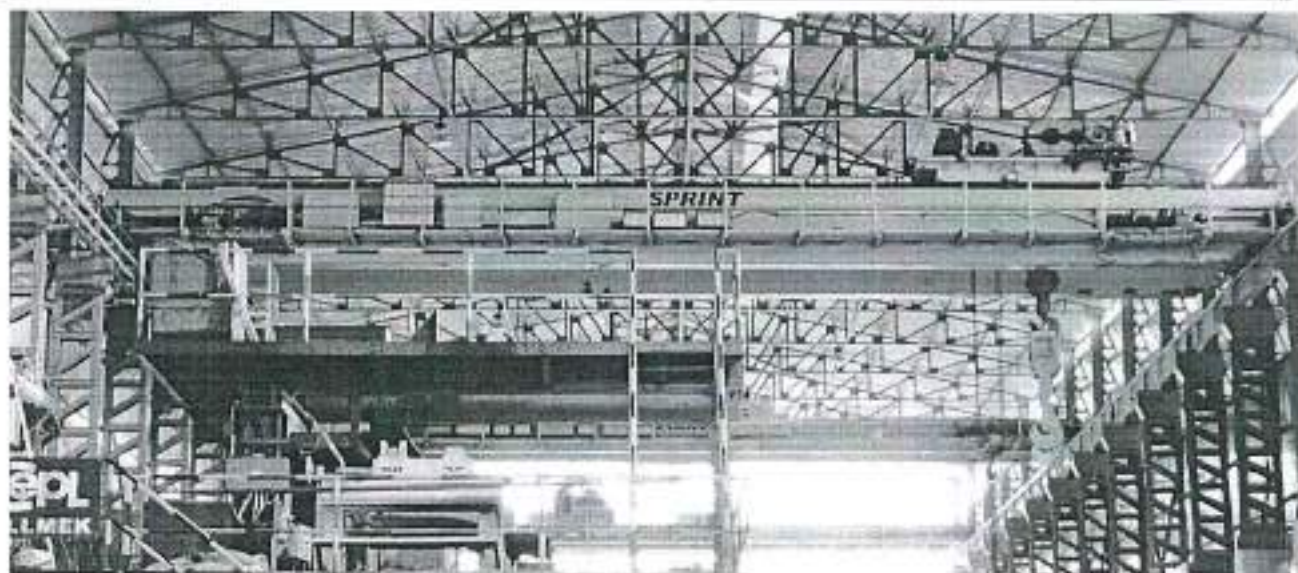
Total crane cost. Rs. 25,34,100/-  
 In House cost Rs. 10,00,000/-  
 of Good make Rs. 33,34,100/-  
 Rate  
 Discussed with Propo and speed above  
 24/08/23

**S P R I N T**

SPRINT ENGINEERING PVT. LTD.

VVFD

Yaskawa/Schneider/Fuji



**SPRINT ENGINEERING PVT. LTD.**

Office: W 81, ANUPAM GARDEN, NEW DELHI - 110068

Works: C-355 PIONEER INDUSTRIAL PARK, BILASPUR CHOWK, VILLAGE PATHREDI, GURGAON - 122413, HARYANA



SPRINT ENGINEERING PVT. LTD.

WEIGHT OF CRANES

The weight of crane provided along with this quotation is a ballpark estimate to be used for reference purposes only. Given the custom nature of the crane which is different for each unique customer and their requirements, complexity of crane design and involvement of over 150 components, it is not possible for us to provide a good quality estimate of weight until and unless detailed engineering is taken up, which can be done only post order finalization. In addition, the weight of a material used is only one of the several items used to price the crane, and not a primary determinant. As such, we do not agree to be commercially or legally bound to supply a crane of the exact weight listed in the quotation. Also, we do not agree to any price deductions / additions at a later stage arising out of weight difference w.r.t estimate weight. As a reputed engineering firm, we remain bound to provide a well-functioning crane that is correct for the material handling needs as formally agreed with the customer, and which meets the relevant load and deflection tests

For **SPRINT ENGINEERING PVT. LTD.**

*Sajal Gangwar*

**MOB. 8800406328**

**SPRINT ENGINEERING PVT. LTD.**

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Annexure – II

TERMS & CONDITIONS

1. Validity:

Our offer is valid for a period of 07 days from the date of offer.

*Agreed.*

2. Price:

The prices quoted are on the basis of ex-works Gurgaon. On Spares and Electric Hoists 4% packing/ Forwarding shall be charged extra.

*FOR-JAL BWD. - Freight charge considered per se*

3. PAYMENT TERMS:

20% advance along with PO + 20% against GA Drawing Approval + balance 60% along with full GST against Proforma Invoice on readiness of the equipment.

*50% Balance 10% after comm*

4. INSURANCE:

Insurance charges if quoted by us shall only cover transit insurance. Transit-cum Erection insurance can be done at an extra cost on request. Service tax shall be charged extra on quoted price for insurance.

*JAL Alc.*

5. DELIVERY:

Period will be counted ex-works after the date of receipt of your technically and commercially clear order. The delivery period is being quoted in good faith and is subject to force majeure clause. If the customer fails to take delivery of equipment in a period of five days from readiness, the customer will be liable to pay Rs.75,000/- per week as storage charges and interest @36% p.a. on the basic order value of the equipment

*12 to 16 months from order*

6. UNLOADING

Unloading of material at your site from truck/trailer to be arranged by customer only.

*Included - (As cost considered in the quote)*

7. STORAGE

Storage of material at your site is not covered by us and to be arranged by the customer at safe covered placed.

8. GST:

GST and other statutory levies as applicable the time of delivery will be borne by the purchaser. If the purchaser wishes to claim any type of exemption, he shall provide documentary support. The prices quoted above are on ex-works, Pathredi, Gurgaon basis. GST / freight / transit insurance etc. will be payable by the purchaser extra as applicable at the time dispatch.

9. FREIGHT CHARGES

Our offer does not cover freight from our works to customer destination, to be arranged by customer. We can quote extra, if required, on request.

10. GST ON SERVICE:

GST @ 18% shall be charged on the full value of service/erection/ commissioning/repair - maintenance / supervision / AMC charges etc.

→ 11. ERECTION / COMMISSIONING ✓

Incase, erection work is to be undertaken by us, we want the following facilities to be made available to us, before start of erection work:

1. Ladder for going up to gantry level
2. Free Power Supply and water shall be made available at the site of erection
3. 3-Phase electricity shall be made available for carrying out necessary welding, testing or any other work
4. Incase, DSL is required to be supplied by us the Customer will make arrangement for connecting input power cable to one end of DSL.
5. Hydra Crane for lifting the Crane & accessories shall be in the buyer's scope.
6. All Civil work is in Buyer scope

*Includ  
in price.*

12. Erection Work Payment Terms

Customer is required to pay mobilization advance of 50% of the total erection cost, before starting the erection work. Balance 25%, immediately on mechanical lifting of the equipment. Last 25% to be paid with in 3 days of successful commissioning and load testing. In case there is delay in testing the crane due to non availability of test load / power / slings or any other reason which can be attributed to the customer, the last 25% along with full-service tax will be paid on completion of the electrical work.

13. INSPECTION:

When inspection prior to dispatch is required, it can be arranged at our works at customer's cost. An advance notice of 7 days shall be given for the date of inspection and if inspection is not carried out within 48 hours of the specified time. Date of the inspection requirements shall be deemed to have been waived off by the purchaser unconditionally. Thus we shall proceed with the dispatch of material and documents for payment. All materials dispatched, however shall be fully tested under no load.

14. Lubrication / Painting:

Supplies are made with one coat of Red Oxide paint and two coats of Synthetic paint. First fill of lubricants like oil and grease etc. have to be arranged by purchaser at his own cost.

15. FORCE MAJEURE:

We shall be under no liability under any contract arising out of our Quotation / Offer wherever fulfillment of our and / or our sub-contractors an / our suppliers obligations are hindered or prevented by causes beyond our / their control such as War, Strikes, Lockouts, Fire Accidents, Epidemics, Failure of supply of Electricity or other power, Shortage of Materials or Labour or orders of the Government or other duty.Constituted Authority.

16. LIABILITY:

Liability will pass over to the customer immediately on dispatch Ex-Factory. Shortage will not be entertained unless informed in writing within seven days after arrival of the goods at destination whether dispatched by Rail or Road Transport.

→ 17. GUARANTEE:

We hereby guarantee to replace free of cost Ex-works, any component found defective due to bad workmanship or faulty Raw materials, provided the defects are not due to damage during transit, bad storage misuse, mishandling of the equipment at customer's site or due to normal wear and tear. This guarantee will be valid for a period of 12 months and will commence from the date of equipment dispatch. However, the electrical parts are excluded from purview of the guarantees.

18. WEIGHT OF CRANES

The weight of crane provided along with this quotation is a ballpark estimate to be used for reference purposes only. Given the custom nature of the crane which is different for each unique customer and