

Offer No. -AS/MKT/2022-23/OFR129R1/Ref.SR22/129R1  
Kind Attn. - Mr. Satyam Paliwal  
M/s - Jindal Aluminium Limited - Bhiwadi

Date: 07/10/2022

D.C. NO.	F/MKT/04
ISSUE	01/05.08.18
REV.	00

DI220801929

**Annexure - III  
Commercial Consideration**

Sr. No	Descriptions	UOM	Qty.	Unit Price (Rs.)	Total Amounts (Rs.)
✓ 1.1	Basic Cost of Design, Manufacturing, Supply of DG EOT Crane Capacity - 5T, Span - 17m and Height of Lift - 11m → DI220801929	No.	1	27,50,000	27,50,000
1.2	DSL (Shrouded bus bar Gl. Cond. 100A) for 90m bay length + 1 set current collector	No.	1	<del>1,02,000</del>	<del>1,02,000</del>
1.3	Spare Hook for the Crane	No.	1	<del>34,000</del>	<del>34,000</del>
✓ 1.4	Thir party inspection charges	No.	1	10,000	10,000
✓ 1.5	Erection & Commissioning of Crane	No.	1	1,80,000	1,80,000
1.6	Erection & Commissioning of DSL	No.	1	<del>63,000</del>	<del>63,000</del>
✓ 1.7	Erection & commissioning of LT Rail	No.	1	57,000	57,000
✓ 1.8	Freight upto Bhiwadi	No.	1	10,000	10,000
✓ 2.1	Basic Cost of Design, Manufacturing, Supply of DG EOT Crane Capacity - 5T, Span - 23.2m and Height of Lift - 11m → DI220801928	No.	1	35,40,000	35,40,000
2.2	DSL (Shrouded bus bar Gl. Cond. 100A) for 90m bay length + 1 set current collector	No.	1	<del>1,03,000</del>	<del>1,03,000</del>
2.3	Spare Hook for the Crane	No.	1	<del>34,000</del>	<del>34,000</del>
✓ 2.4	Third Party inspection charges	No.	1	10,000	10,000
✓ 2.5	Erection & Commissioning of Crane	No.	1	2,50,000	2,50,000
2.6	Erection & Commissioning of DSL	No.	1	<del>63,000</del>	<del>63,000</del>
✓ 2.7	Erection & commissioning of LT Rail	No.	1	57,000	57,000
✓ 2.8	Freight upto Bhiwadi	No.	1	17,000	17,000

Offered Rs. 38,74,000  
Final agreed Rs. 35,00,000

(PTO)

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**Annexure - IV**  
**Terms & Conditions**

**NOTE: "WE ARE REGISTERED WITH MSME ACT 2006"**

1	Prices	• The above prices are on FOR Site, Bhiwadi.
2	<del>Offer Validity</del>	<del>• 30 days</del>
3	Taxes & Duties	• All taxes and duties shall be charged extra as applicable at the time of dispatch. At present applicable GST is 18%
4	P&F Charges	• Shall be charged extra @ 2%
5	Payment Terms	• 30% advance along with Purchase order. • Balance 70% against Performa Invoice before dispatch. <i>As Agreed</i>
6	Delivery	• <del>10-12 Weeks</del> from the date of approval of GA Drawing or receipt of advance whichever is earlier. <i>As agreed</i>
7	Specification deviation	• Any change in technical specifications may affect agreed price & delivery time.
8	Inspection	• Inspection before dispatch can be carried out at our factory in Bhiwadi. All expenses like to & fro, accommodation, inspection fee, if any will have to be borne by the buyer.
9	<del>Default in-payment</del>	• The payment has to be made as per terms of the offer. Delay in payment will attract interest @ 18% per annum on pro-rata basis.
10	Validity of Purchase Order	• Purchase Order will be valid till delivery schedule mentioned in it. In case of delay in delivery due to any reason attributable to buyer, P.O. will have to be re-validated as per mutual agreement between Alpha & the buyer.
11	Receipt of material	• Customer needs to thoroughly check the materials and sign the LR copy & packing list, any short material claim afterwards would not be accepted without notification on above signed documents
12	Warranty	• 12 Months from the date of commissioning or 18 months from the date of supply whichever is earlier.
13	Others	• First fill of Gear box & Thruster oil shall be provided by you. • Unloading of material at your site in your scope. <i>As agreed</i> • Our scope of supply is limited to item mention in our offer only. • Any civil work or mechanical fabrication is in scope of purchaser.
14	HSN Code	• EOT - 84261100, Gantry/Goliath - 84261900 • HOIST - 84251110, JIB CRANE - 84263000

**For ALPHA SERVICES**

**SANDEEP GARGA**

**VICE PRESIDENT (SALES & MKTG.)**

**MOB.#9899068622**

**Mail id: [sandeep.garga@alphaservices.co.in](mailto:sandeep.garga@alphaservices.co.in) / [alpha@alphaservices.co.in](mailto:alpha@alphaservices.co.in)**

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Annexure -III/R1

TECHNICAL SPECIFICATIONS FOR D/G EOT CRANE CAP-5 T SPAN-17 M

1	Type of crane	: D/G EOT CRANE
2	Class of duty	: Class-IV(M8), as per IS :3177-1999, 807, 800
3	Capacity	: Main Hoist : 5 T
4	Qty required	: 1No.
5	Ambient Temp.	: 50°C
6	Operating Environment	: Indoor
7	Span	: 17 M
8	Height of Lift (MH)	: 11 M (R1)
9	Crane Control	: Through Pendent Push Button Station Independent of Crab + Radio Remote Control.
10	<b>SPEED</b>	:
a.	Main Hoist	: 0.6 - 6.0 MPM ( Through VVFD ) (R1)
b.	Cross Travel	: 2.5 - 25.0 MPM ( Through VVFD ) (R1)
c.	Long travel	: 3.5 - 35.0 MPM ( Through VVFD ) (R1)
11	<b>MOTOR</b>	:
a.	Main Hoist	: 7.5 KW 4P, Sq. Cage ,Geared Brake Motor (R1)
b.	Cross Travel	: 1 X 0.75 KW 4P, Sq. Cage ,Geared Brake Motor (R1)
c.	Long travel	: 2 X 1.5 KW 4P, Sq. Cage ,Geared Brake Motor (R1)
d.	Make	: Geared Brake Motor: SEW.
	<b>NOTE</b>	: All Geared Brake Motors are TEFC, S1 Duty Motors, Class F Insulation, Temp rise limited to Class B & Protection IP-55
12	<b>WIRE ROPE</b>	:
a.	No of Falls/Dia.	: Main Hoist:4/11 mm
b.	Factor of Safety	: As Per IS:3177 (1999)
c.	Type of core/construction	: STEEL / 6x36
d.	Tensile Strength	: 1770N/mm <sup>2</sup>
e.	IS specification	: IS:2266
f.	Make	: USHA MARTIN/MAHADEV/KISWIRE
13	<b>GEAR BOX</b>	:
a.	Type of gear box	: MH, CT & LT :-Geared Brake Motor
b.	Material of Body	: CI Grade -FG-200, IS-210
c.	Material of Gears & Pinion	: 20MnCr5, SAE-8620,En-9/19/24
d.	Type of Lubrication	: Oil Splash Lubrication
e.	Make	: MH, CT & LT: - SEW.
14	<b>ROPE DRUM</b>	: Seamless Pipe as per ASTM A106
15	<b>BRAKES</b>	: MH, CT & LT:- EM DC Disc
	Make	: EM DC Disc: - SEW.
16	<b>LIMIT SWITCH</b>	:
a.	Main Hoist	: Geared Rotary type & Gravity type

AC Booked

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**Kind Attn. - Mr. Satyam Paliwal**  
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b.	Cross Travel	:	Two way lever type
c.	Long Travel	:	Two way lever type
d.	Make	:	Crane Control /SOC
17	<b>CRANE CONTROLS</b>	:	
a.	Protective Panel	:	Consisting MCCB, MCB Main line contactor, Step down transformer, Single Phase Preventer. (Fuse less Panel.)
b.	Drive Panel	:	Consisting VFD, Contactor, MCB, Over Load Relays.
c.	Make	:	Schneider/L&T/E&S/Siemens.
18	<b>CABLES</b>	:	PVC Copper flexible
a.	Make	:	Finolex/Polycab/KEI /Any ISI mark
19	<b>CURRENT COLLECTION</b>	:	
a.	Cross Travel	:	Through Drag Chain System. (R1)
b.	Long travel	:	Through Shrouded Type DSL, 100A GI Conductor for 90M Bay Length. (Quoted Separately)
20	Power Supply	:	415V,±10%, 3 phase, 50 Hz
21	Control Voltage	:	110V AC,1phase, 50Hz
22	Coupling	:	Flexible geared coupling
23	<b>WHEELS</b>	:	
a.	Type	:	Double flanged straight tread type
b.	Material	:	Forging C55Mn75
c.	Type of bearings	:	Antifriction Ball/roller
d.	LT Wheel Dia./ qty.	:	Ø 200 / 4
e.	CT Wheel Dia./ qty.	:	Ø 160 / 4
24	<b>HOOKS</b>	:	
a.	Type	:	Main Hoist - 'C' type. IS: 15560-2005.
b.	Swiveling	:	On thrust bearing
c.	Make	:	Smiriti Forging
25	Bearing	:	Antifriction Ball/ Taper roller, Spherical roller etc.
26	<b>PLATFORM</b>	:	
a.	Type	:	Steel Chequered plate with toe guard and two tier hand railing on drive side full length & other side two short platform shall be provided.
27	Buffer	:	Rubber Buffer shall be provided for LT & C.T
28	L.T. rail (Recommended)	:	50mm Sq. Bar. (Client's Scope)
29	Painting	:	The cranes shall be painted with two coats of zinc chromate primer followed by two coats of golden yellow synthetic enamel paint.
30	Crane Weight	:	14.2 T ( Approximate) (R1)
31	LT Wheel Load (Max)	:	6.5 T (Approximate) (R1)

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**LIST OF TOOLS & TACKLES ( TENTATIVE PRICES)**

SL. NO.	DESCRIPTION	QTY.	PRICE
1	42 MM SLING 12 MTR LENGTH	2 NOS.	24,000.00
2	24 MM SLING 10 MTR LENGTH	2 NOS.	16,000.00
3	16 MM SLING 06 MTR LENGTH	4 NOS.	9,000.00
4	WIRE ROPE 14MM	200 MTR.	5,000.00
5	U CLUMP 14MM	40 NOS.	4,000.00
6	TURN BUKLE	8 NOS.	40,000.00
7	D SHAKLE - 25 T	4 NOS.	28,000.00
8	D SHAKLE - 10 T	10 NOS.	35,000.00
9	D SHAKLE - 5 T	16 NOS.	7,000.00
10	HAMMER 5 KG		1,200.00
11	MANILA ROPE 50 M		2,500.00
12	SLIPPER 1 FOOT	20 NOS.	2,000.00
13	MOBILE CRANE 150 T	1 NO.	ON HIRE BASIS
14	HYDRA 14 T/23 T	1 NO.	
15	WEIGHT 5 T	8 NOS.	ON HIRE BASIS
	TOTAL		1,73,700

*A*

- Price Basis: FOR-JAL BWD
- GST: 18% Extra
- Delivery: 8 to 10 weeks of 3 to 4 waves, Rest 4 weeks
- Payment: 15% Advance with CAE with PDC Undated Cheq  
80% with 100% GST within 7 days after receipt  
5% against PBG after erection valid for one year from the date of erection.
- Warranty: one year from the date of erection.

*12/10/22*



**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/22-23/QTN-35/SEP  
 Kind Attn. - Mr. Rupesh Ji  
 M/S - Jindal Aluminium

DATE: 27 Sep. 2022

DI 220801929

**Annexure - I**

**TECHNICAL SPECIFICATION FOR S/G EOT CRANE CAP-5 T SPAN-17 m**

- 1 Type of crane : D/G EOT CRANE
- 2 Class of duty : Class-II (M5), as per IS 3177, 807, 800
- 3 Capacity : 5 T
- 4 Qty. required : 1 No.
- 5 Operating Environment : Indoor

1 NO.

- 6 Span : 17 m
- 7 Height of Lift : 11.0 m
- 8 Crane Control : Operation Through Pendant push button Station from ground floor & Radio Remote
- 9 **SPEED\*** :
- a. Main Hoist : 0.6-6.0 mpm (Through VVVF)
- b. Cross Travel : 2.5-25 mpm (Through VVVF)
- c. Long travel : 3.5-3.5 mpm (Through VVVF)

Agreed

→ RRC - SNT IT 3rd party inspection, limit switch provision

- 10 **MOTOR\*\*** :
- a. Main Hoist (KW/Pole/Type) : 5.5 KW/ 6P / Sq. Cage.
- b. Cross Travel (KW/Pole/Type) : 0.75 KW/ 4P /Sq. Cage Geared Brake Motor.
- c. Long travel (KW/Pole/Type) : 2 X 1.1 KW / 4P /Sq. Cage Geared Brake Motor.

→ all motor - AC Brakes where ever applica

NOTE 1 : All Motors are, TEFC, MH-40% CDF, CT&LT-100% CDF, 150 Starts/hr., Crane Duty Motors, Class F Insulation, Temp rise limited to Class B.

- 11 **WIRE ROPE** :
- a. No of Falls/Dia. : 4/11 mm.
- b. Factor of Safety : As Per IS 3177
- c. Type of core/construction : FMC / 6X36
- d. Tensile Strength : 180 kg / mm sq.,
- e. IS specification : IS 2266.
- f. Make : USHA MARTIN.

→ Anticollision sensor  
 → Drag chain cable and If required since use in foundry - I guess make

- 12 **GEAR BOX** :
- a. Type of gear box : MH: -Totally enclosed helical gear box  
 CT & 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.

→ height of lift : As per above  
 → Speed of crane - As per above

- 13 **ROPE DRUM** : Seamless Pipe as per ASTM A106.
- 14 **BRAKES**: MH: - EHT Brake  
 CT & LT: - All EM DC DISC Brakes  
 Make : EHT: - Crane Control / SOC / Multitech  
 AC Disc: - Crane Control / SOC / Multitech

→ Crane freight - Incl  
 → Crane unloading - Incl

- 15 **LIMIT SWITCH** :
- a. Main Hoist : Geared Rotary type & Gravity type.
- b. Cross Travel : Two-way lever type.
- c. Long Travel : Two-way lever type.
- d. Make : Crane Control / SOC / Multitech

→ Erection - Incl  
 → 3rd party inspection at our site by Authorized Agency.

→ Test certificates: Provided where ever applicable  
 → Crane steel - As per IS standard SAIL/JSW  
 → 100% NDT Adm. RC sta







Indent No : DI220801929

P-TYPE : P2

Status : **PROCUREMENT**

Please supply/procure the following materials

CAPITAL EXPENSE

Indent Date : 02-Aug-2022  
Department : DEVELOPMENT  
Indent Type : DEPARTMENT

Item Code	P-TYPE	Justification	----- Q U A N T I T Y -----	Expected Date/
3.No Description & Make Spl Description	TYPE	Stock on hand	UOM To be Purchased	Urgency/Brand/ CMD Approved

**BELOW IS THE REMARKS GIVEN BY CONCERNED DURING APPROVAL.**

USER NAME	STATUS	DATE	REMARKS
SATYAM PALIWAL	Approved	2-Aug-22	FOR NEW FOUNDRY CASTING BAY
SATYAM PALIWAL	Approved	2-Aug-22	FOR APPROVAL
DEVENDRA KUMAR SAIN	Approved	3-Aug-22	OK
DHIRAJ SINGH	Approved	4-Aug-22	okay
VCMD	Approved	4-Aug-22	Approved
SEETHARAM	Approved	4-Aug-22	ok
BWDPUR	Approved	5-Aug-22	ok



Radio Remote	1 Nos. – Considered per Crane.
Anti-Collision Device	1 Nos. – Considered per Crane.
<b>Painting</b>	
Painting of Crane	Enamel (Golden Yellow RAL 1004) – or as per your RAL code requirement
Painting of Hoist	Epoxy (Orange/Black RAL 2004)

<b>Requirement 4</b>	
<b>Description</b>	<b>5 T Capacity, 17 M-Span, 11 M-HOL-DG-EOT Crane</b>
<b>Crane Data</b>	
Type of Crane	Double Girder EOT Crane
Application	Indoor
Area	Safe area (Non Hazardous)
Ambient Temperature	+40° C
Crane Capacity	5 Ton
Main Hoist Capacity	5 Ton
Span	17 Mtr.
Lift Height	11 Mtr.
Bay Length	35 Mtr.
Qty.	System 1 & Qty. 1 No., Total = 1 Nos.
Wheel Load (without impact)	~4.8 Ton x 4 Nos wheel
Crane Weight with Hoist	~9.5 Ton
Duty Group (Crane)	Class II / M5 Duty (As per IS Standard)
Girder Deflection	Span/750 (As per IS Standard) – IS 807-2006
Control	From Floor Through Independent Push Button Pendant
Supply Voltage	415 V (±5%), 3 Phase, 50 Hz (±2%)
Control Voltage	110 V AC
<b>Hoist Data</b>	
Type of Hoist	Wire Rope Hoist
Make & Country of origin	Sparkline, Make in India
Type of Grooved	Single Grooved
Model of Hoist	Highton
No of falls	4/1
Rope Dia.	10 mm, 6x36 Construction, Steel core, 1960 N/mm <sup>2</sup> Tensile strength
Rope Safety Factor	≥5
Type of Hook	C Type Single Shank with safety latch
Duty Group	M5 (As per ISO Standard)
Hoist Speed	5/0.5 M/Min. Double Speed VFD Control
Hoist Motor output	4.9 kW x 1 Nos
Brake Hoist	EM disc brake



Limit Switch Hoist	Rotary Limit switch + Gravity Limit Switch.
IP Protection Hoist	IP 55 with Brake IP54
<b>Cross Travel Data</b>	
C.T. Speed	25/2.5 M/Min. Double Speed VFD Control
C.T. Trolley Motor output	0.37 kW x 1 Nos
C.T. Trolley Type	4 Wheel Design Trolley
C.T. Wheel dia.	125 mm
C.T. Drive	Single Drive
Brake C.T.	EM disc brake
Limit Switch C.T.	Two Stage Operational Limit Switch
IP Protection C.T.	IP 55 with Brake IP54
<b>Long Travel Data</b>	
L.T. Speed	35/3.5 M/Min. Double Speed VFD Control
L.T. Motor output	0.37 kW x 2 Nos.
End Carriage Type	4 Wheel Design Trolley
End Carriage Wheel base	3150 MM
End Carriage Wheel dia.	~250 MM ( Forged Wheel )
L.T. Drive	Twin Drive
Brake L.T.	EM disc brake
Limit Switch L.T.	Two Stage Operational Limit Switch
IP Protection L.T.	IP 55 with Brake IP54
Buffer type	Rubber
<b>Motor Data</b>	
Motors Type	3 Ph. SQ Cage Induction Motor
Motors Standard	ISO Standard
Motor Enclosure	IP 55
Cooling System	TEFC
Insulation Class	F Class
Temperature Rise	Class B
<b>Structure Data</b>	
Girder Specification	Complete Girder for the span of 17 Mtr. Along with the mounting plate the End carriage of the EOT crane will be manufactured in India. Girder will be duly painted.
Platform type	One Full + Two Short Platform.
L.T. Rail	LBS 50 - Rail Supplied By Client.
<b>Electrical accessories</b>	
Control Panel	> Contactor logic Control Panel > Control Panel will have mounted on cross girder at center of span.



	<ul style="list-style-type: none"> <li>&gt; Sheet steel housing, powder coated, color Siemens Grey</li> <li>&gt; Disconnect switch 3-pole, lockable</li> <li>&gt; Cable entry via connector, reserve drillings are closed with blanking plugs</li> </ul>
IP Protection Panel	IP 54
Hoist Supply Type	Through Festoon System
L.T. Supply Type	Through Bus bar System-shrouded type 100A-GI
Current collector	1 No. – Considered.
Hooter with flasher	1 No. – Considered.
Radio Remote	1 Nos. – Considered per Crane.
Anti-Collision Device	1 Nos. – Considered per Crane.
<b>Painting</b>	
Painting of Crane	Enamel (Golden Yellow RAL 1004) – or as per your RAL code requirement
Painting of Hoist	Epoxy (Orange/Black RAL 2004)

<b>Requirement 5</b>	
<b>Description</b>	<b>5 T Capacity, 23.2 M-Span, 11 M-HOL-DG-EOT Crane</b>
<b>Crane Data</b>	
Type of Crane	Double Girder EOT Crane
Application	Indoor
Area	Safe area (Non Hazardous)
Ambient Temperature	+40° C
Crane Capacity	5 Ton
Main Hoist Capacity	5 Ton
Span	23.2 Mtr.
Lift Height	11 Mtr.
Bay Length	35 Mtr.
Qty.	System 1 & Qty. 1 No., Total = 1 Nos.
Wheel Load (without impact)	~6.0 Ton x 4 Nos. wheel
Crane Weight with Hoist	~14.5 Ton
Duty Group (Crane)	Class II / M5 Duty (As per IS Standard)
Girder Deflection	Span/750 (As per IS Standard) – IS 807-2006
Control	From Floor Through Independent Push Button Pendant
Supply Voltage	415 V (±5%), 3 Phase, 50 Hz (±2%)
Control Voltage	110 V AC
<b>Hoist Data</b>	
Type of Hoist	Wire Rope Hoist
Make & Country of origin	Sparkline, Make in India
Type of Grooved	Single Grooved



Model of Hoist	Highton
No of falls	4/1
Rope Dia.	10 mm, 6x36 Construction, Steel core, 1960 N/mm <sup>2</sup> Tensile strength
Rope Safety Factor	≥5
Type of Hook	C Type Single Shank with safety latch
Duty Group	M5 (As per ISO Standard)
Hoist Speed	5/0.5 M/Min. Double Speed VFD Control
Hoist Motor output	4.9 kW x 1 Nos.
Brake Hoist	EM disc brake
Limit Switch Hoist	Rotary Limit switch + Gravity Limit Switch.
IP Protection Hoist	IP 55 with Brake IP54
<b>Cross Travel Data</b>	
C.T. Speed	25/2.5 M/Min. Double Speed VFD Control
C.T. Trolley Motor output	0.37 kW x 1 Nos.
C.T. Trolley Type	4 Wheel Design Trolley
C.T. Wheel dia.	125 mm
C.T. Drive	Single Drive
Brake C.T.	EM disc brake
Limit Switch C.T.	Two Stage Operational Limit Switch
IP Protection C.T.	IP 55 with Brake IP54
<b>Long Travel Data</b>	
L.T. Speed	35/3.5 M/Min. Double Speed VFD Control
L.T. Motor output	0.55 kW x 2 Nos.
End Carriage Type	4 Wheel Design Trolley
End Carriage Wheel base	4000 MM
End Carriage Wheel dia.	~315 MM (Forged Wheel).
L.T. Drive	Twin Drive
Brake L.T.	EM disc brake
Limit Switch L.T.	Two Stage Operational Limit Switch
IP Protection L.T.	IP 55 with Brake IP54
Buffer type	Rubber
<b>Motor Data</b>	
Motors Type	3 Ph. SQ Cage Induction Motor
Motors Standard	ISO Standard
Motor Enclosure	IP 55
Cooling System	TEFC
Insulation Class	F Class
Temperature Rise	Class B



<b>Structure Data</b>	
Girder Specification	Complete Girder for the span of 23.2 Mtr. Along with the mounting plate the End carriage of the EOT crane will be manufactured in India. Girder will be duly painted.
Platform type	One Full + Two Short Platform.
L.T. Rail	LBS 50 - Rail Supplied By Client.
<b>Electrical accessories</b>	
Control Panel	<ul style="list-style-type: none"><li>&gt; Contactor logic Control Panel</li><li>&gt; Control Panel will have mounted on cross girder at center of span.</li><li>&gt; Sheet steel housing, powder coated, color Siemens Grey</li><li>&gt; Disconnect switch 3-pole, lockable</li><li>&gt; Cable entry via connector, reserve drillings are closed with blanking plugs</li></ul>
IP Protection Panel	IP 54
Hoist Supply Type	Through Festoon System
L.T. Supply Type	Through Bus bar System-shrouded type 100A-GI
Current collector	1 No. – Considered.
Hooter with flasher	1 No. – Considered.
Radio Remote	1 Nos. – Considered per Crane.
Anti-Collision Device	1 Nos. – Considered per Crane.
<b>Painting</b>	
Painting of Crane	Enamel (Golden Yellow RAL 1004) – or as per your RAL code requirement
Painting of Hoist	Epoxy (Orange/Black RAL 2004)



<b>Maker List - if Applicable</b>	
Hoist Motor	ABM/MGM/Nord
C.T. & L.T. Motor	Nord/Bonfiglioli
Wire Ropes	Usha Martin
Timers	GIC/EAPL
Cable (Flat)	Helu/Salzer
Panel Wire	Polycab/RR
Pendent	TER/Giovenzana
Terminal	Wago
Limit Switches-Rotary	Giovenzana/Schneider
Limit Switches-CT, LT	SOC/Schneider
VVVF Drives	ABB/Schneider/L&T
Steel	SAIL/Essar/Jindal
Bearings	SKF/FAG
Indication lamp	Schneider
Power and aux contractor	Schneider
Panel with contactor	Sparkline with Schneider
Busbar	Safetrack/Safeline





### Terms & Conditions:

#### 1. Basis of Offer

The subject Offer is compiled in reference to the details furnished in the RFQ Specifications and the Scope is as per the details furnished in our Offer.

#### 2. Price Basis

Prices quoted are For at Site, basis and are in Indian Rupees (INR).

#### 3. Terms of payment

##### Supply

40% of supply value as an advance along with the technically & commercially complete purchase order.  
60% of supply value and 100% of taxes as applicable at the time of delivery against Pro-forma invoice before dispatch.

→ 30% Advance against ABG valid for 25000  
→ 60% + 100% GST against Pro-forma invoice after inspection at Sparkline.

##### Installation & Commissioning

50% of order value as an advance along with the technically & commercially complete purchase order  
50% of order value and 100% of taxes as applicable at the time of invoicing after completion of the installation & commissioning.

→ 10% after commissioning against PEG valid for one year after commissioning.

#### 4. Delivery Terms and risk of Loss

The 5 Nos. (3 T Cap. = 4 Nos. & 5T Cap. = 1 nos.) System would be supplied 8 weeks after confirmed Purchase Order, Advance release and approved DAP drawing.

And remaining 5 Nos. (3 T Cap. = 4 Nos. & 5T Cap. = 1 nos.) System would be supplied 16 weeks after confirmed Purchase Order, Advance release and approved DAP drawing.

The complete System would be installed and commissioned in 4-6 weeks from the date of receipt of 100% materials at site and the readiness of site for commissioning.

If all deliveries shall be ex-works, then Risk of loss or damage shall be passed on to Buyer at the time goods are handed over to transporter.

#### Buyer will provide additional time for supply in case of force majeure, not limited to the below conditions:

- I) Delay due Covid -19 situation deterioration or other pandemic/ issues at manufacturing facilities at Europe (Hoist, Motor, PLC etc.) or fabrication factory at India (girder, Crab etc.)
- II) Delay due to manufacturing process issue as a result of Government measures to control covid-19 or other pandemic / issue at manufacturing facilities at Europe (Hoist, Motor, PLC etc.) or India (fabrication)
- III) Lockdown at local level or foreign countries or closure of air / ship transport intended for transportation of materials.

Liquidated damages, if any, will be applicable on the items that have not been supplied in the agreed timeline or in mutually accepted revised timeline.

#### 5. Packing Inclusive.

→ 3rd party inspection from reputed agency at our site

#### 6. Taxes & Duties

GST, which are payable at actual rates applicable at the time of Invoice,  
TCS applicable and collectable Under Section 206C (1H) of Income Tax Act 1961.  
Sparkline GST No. 27AACCS5871L1ZU.

HSN Code for Supply -84261100, SAC code for installation -998732 & for Freight -996601.

#### 7. Bank Details

Name of the Bank: STANDARD CHARTERED BANK  
Name of Beneficiary: SPARKLINE EQUIPMENTS PRIVATE LIMITED  
Bank A/c Number: 27005095139

Discussed with Mr. Subcozi and agreed the same. 12/1/21



IFSC: SCBL0036091

MICR: 411036003

8. Warranty

Domestic, 12 months from the date of commissioning or 18 months from the date of dispatch whichever is earlier, for any manufacturing defects. If during this period the product proves to be defective due to improper material or workmanship, Sparkline will arrange to repair/ replace the product free of charge subject to terms & conditions mentioned below:-

1. If Buyer modifies the equipment in any material manner without Sparkline's prior written approval and the modification is directly related to a subsequent problem, the warranty will become null and void.
2. The warranty remains in effect only if full & timely payment has been received by Sparkline against the supply of the equipment.
3. The warranty shall not cover any damages during transit, bad storage, misuse or mishandling of the equipment at client side
4. In case client start using the equipment without obtaining a signed off commissioning certificate from Sparkline the client will be solely liable for any damage occurred and cannot claim for warranty
5. In case if erection and commissioning is under scope of client then client cannot claim for any damage caused on account of improper installation
6. The warranty does not extend to Electronic, Electrical Parts, Wear & Tear Part.
7. In case of natural calamity such as lightening, fire accident, mishandling of equipment or any act of god which is beyond the scope of Sparkline, client cannot claim for warranty.

9. Inspection

Inspection will be carried out by Customer at Sparkline facility. All charges will be born by Customer. A week's notice would be given for carried out inspection at our works. If the customer is unable to depute their representative within call period, we shall carryout tests on Customer behalf as per QAP & submit our internal inspection reports.

10. Testing

Testing will be carried out at Sparkline facility as per QAP at no load trials. Actual load & other trials can be taken at your site with actual loads.

11. Load Test Certification

Load for Load Test will be on Customer Scope. Load Test Certification will be in Sparkline scope

12. Training

The installation price includes basic operator training after commissioning and during hand over of the crane.

13. Photography or Video Recording

We should be permitted to take the photographs and video recording of the system after the completion of the project while the system is in operations

14. Advance

~~Advance will not be refunded once order is placed and accepted.~~

X NOT acceptable

15. Penalty

We will not be in position to accept any penalty clause. However, we shall make every endeavor to supply the material within stipulated period without any undue delay. X

16. Jurisdiction

All the contracts referring this offer between buyer and seller are subject to Pune jurisdiction only.

17. Force Majeure



**Annexure II  
Price Bid**

#	Particulars for Supply Part	Qty.	UOM	Unit Price	Amount
1	3 Ton Capacity, 9.3 Mtr. Span, 10 Mtr. Height of Lift, Single Girder EOT Crane with Wire Rope Hoist. → DI220801926	2	Nos.	₹ 14,82,000 1,00,000 1,15,000	₹ 29,64,000 16,27,000
1.1	Busbar Shrouded - 100 Amp-G.I.	35	Mtr.	₹ 1,200	₹ 42,000
2	3 Ton Capacity, 14.8 Mtr. Span, 10 Mtr. Height of Lift, Single Girder EOT Crane with Wire Rope Hoist. → DI220701604	4	Nos.	₹ 16,93,000 1,00,000 1,45,000	₹ 67,72,000 38,38,000
2.1	Busbar Shrouded - 100 Amp-G.I.	35	Mtr.	₹ 1,200	₹ 42,000
3	3 Ton Capacity, 25.9 Mtr. Span, 10 Mtr. Height of Lift, Single Girder EOT Crane with Wire Rope Hoist.	2	Nos.	₹ 24,00,000	₹ 48,00,000
3.1	Busbar Shrouded - 100 Amp-G.I.	35	Mtr.	₹ 1,200	₹ 42,000
4	5 Ton Capacity, 17 Mtr. Span, 11 Mtr. Height of Lift, Double Girder EOT Crane With Hoist. → DI220801929	1	Nos.	₹ 30,68,000 1,55,000 55,000	₹ 30,68,000 22,78,000
4.1	Busbar Shrouded - 100 Amp-G.I.	35	Mtr.	₹ 1,200	₹ 42,000
5	5 Ton Capacity, 23.2 Mtr. Span, 11 Mtr. Height of Lift, Double Girder EOT Crane With Hoist. → DI22081928	1	Nos.	₹ 40,98,000 1,75,000 55,000	₹ 40,98,000 43,28,000
5.1	Busbar Shrouded - 100 Amp-G.I.	35	Mtr.	₹ 1,200	₹ 42,000
<b>Supply Sub Total without taxes</b>					<b>₹ 2,19,12,000</b>

#	Particulars for Installation Part	Qty.	UOM	Unit Price	Amount
1	Installation and commissioning for above 3 T SG EOT crane.	2	Nos.	₹ 1,00,000	₹ 2,00,000
1.1	Installation and commissioning of LT Rails	70	Mtr.	₹ 500	₹ 35,000
1.2	Installation and commissioning of Busbar	35	Mtr.	₹ 500	₹ 17,500
2	Installation and commissioning for above 3 T SG EOT crane.	4	Nos.	₹ 1,00,000	₹ 4,00,000
2.1	Installation and commissioning of LT Rails	70	Mtr.	₹ 500	₹ 35,000
2.2	Installation and commissioning of Busbar	35	Mtr.	₹ 500	₹ 17,500
3	Installation and commissioning for above 3 T SG EOT crane.	2	Nos.	₹ 1,00,000	₹ 2,00,000
3.1	Installation and commissioning of LT Rails	70	Mtr.	₹ 500	₹ 35,000
3.2	Installation and commissioning of Busbar	35	Mtr.	₹ 500	₹ 17,500
4	Installation and commissioning for above 5T DG EOT crane.	1	Nos.	₹ 1,55,000	₹ 1,55,000
4.1	Installation and commissioning of LT Rails	70	Mtr.	₹ 500	₹ 35,000
4.2	Installation and commissioning of Busbar	35	Mtr.	₹ 500	₹ 17,500
5	Installation and commissioning for above 5T DG EOT crane.	1	Nos.	₹ 1,75,000	₹ 1,75,000
5.1	Installation and commissioning of LT Rails	70	Mtr.	₹ 500	₹ 35,000
5.2	Installation and commissioning of Busbar	35	Mtr.	₹ 500	₹ 17,500
<b>Installation Sub Total without taxes</b>					<b>₹ 13,92,500</b>

<b>Grand Total without taxes (Supply + Installation)</b>					<b>₹ 2,33,04,500</b>
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### **Sparkline Scope**

- > Crane Design.
- > Submission of GA drawings for approval.
- > Manufacturing & Supply of complete crane.
- > Design & Supply of DSL System & LT Rail.
- > Packing & Loading of the material at Sparkline Works.
- > Erection & Commissioning of Cranes at site.
- > Labor Travel, accommodation, travel etc.
- > Load Test Certification. (Load test will be carried out at customer Site)
- > Erection Platform & Lifting Equipment – Hydra, Farana, scaffolding etc.
- > Transportation of the material at site.
- > Unloading the material on site.

### **Customer Scope**

- > All the civil work if required.
- > Approval of Crane GA Drawings.
- > Column Mounted Structure for above crane.
- > Isolator and power cable from isolator to DSL feeding point with accessories.
- > Electrical cabling from PDB up to Isolator-Switch.
- > Organizing Unobstructed Workspace in the building at the site of Erection.
- > Sufficient space to store Supplied Material during I&C with security at Site.
- > Permanent visiting pass which should be valid for 2 shifts.
- > Utility (Compressed Air, Electric Power & Drinking Water) during Installation & Commissioning Work.
- > Any idle time for the purpose of testing/Medical shall be in customer scope paid on per man day basis.
- > Test Load Arrangement at site along with accessories for conducting Load Test.
- > All medical expense / testing of personals employed in customer scope.



Offer No. : 010301-R1-2223  
Offer Date : 12.09.2022.  
Rev.01 Offer Date : 28.09.2022.

To,  
M/s. Jindal Aluminium Ltd.  
Bhiwadi, Rajasthan.

Kind Attn. : Mr. Satyam Pallwal.

Subject : Offer for SG & DG EOT Crane Systems with Wire rope hoist.

Dear Sir,

We thank you very much for the valued inquiry for said subject; are pleased to submit our techno-commercial offer for your requirement in accordance with Sparkline General Terms and Conditions.

Our offer is based on the details furnished by you and your technical team. It consists of the following sections:

We would request you to evaluate the same and should you require any clarifications on our offer, we would be happy to provide the same.

Looking forward to a fruitful & mutually beneficial long-term association with your esteemed organization.  
Thanking you and assuring you of our best attention always.

#### **SPARKLINE UNIT MATERIAL HANDLING SYSTEMS**

- ✓ Overhead Cranes.
- ✓ Underslung Cranes
- ✓ Gantry/Goliath Cranes.
- ✓ Jib Cranes.
- ✓ Light Weight Rails Systems.
- ✓ With Allied Structure.
- ✓ With allied 2<sup>nd</sup> Utility.

Thanking you,

Yours faithfully,

**For, Sparkline Equipment's Pvt. Ltd.**

**Suboor Pilot**

+91 7428224495

[suboor.p@sparkline.co.in](mailto:suboor.p@sparkline.co.in)





Indent No : DI220701604

P-TYPE : P2

Status : **PROCUREMENT**

Please supply/procure the following materials

CAPITAL EXPENSE

Indent Date : 14-Jul-2022

Department : DEVELOPMENT

Indent Type : DEPARTMENT

Item Code	P-	Justification	Q U A N T I T Y	Expected Date/
.No Description & Make Spl Description	TYPE	Stock	To be	Urgency/Brand/
		on hand	Purchased	CMD Approved

**BELOW IS THE REMARKS GIVEN BY CONCERNED DURING APPROVAL.**

USER NAME	STATUS	DATE	REMARKS
SATYAM PALIWAL	Approved	14-Jul-22	FOR NEW CENTRALIZE AGING BAY 1 & 2
SATYAM PALIWAL	Approved	14-Jul-22	FOR APPROVAL
DEVENDRA KUMAR SAIN	Approved	16-Jul-22	OK
DHIRAJ SINGH	Approved	17-Jul-22	okay
VCMD	Approved	18-Jul-22	Approved
SEETHARAM	Approved	18-Jul-22	ok
BWDPUR	Approved	19-Jul-22	ok