

SALE PROPOSAL CASTING YARD EQUIPMENTS



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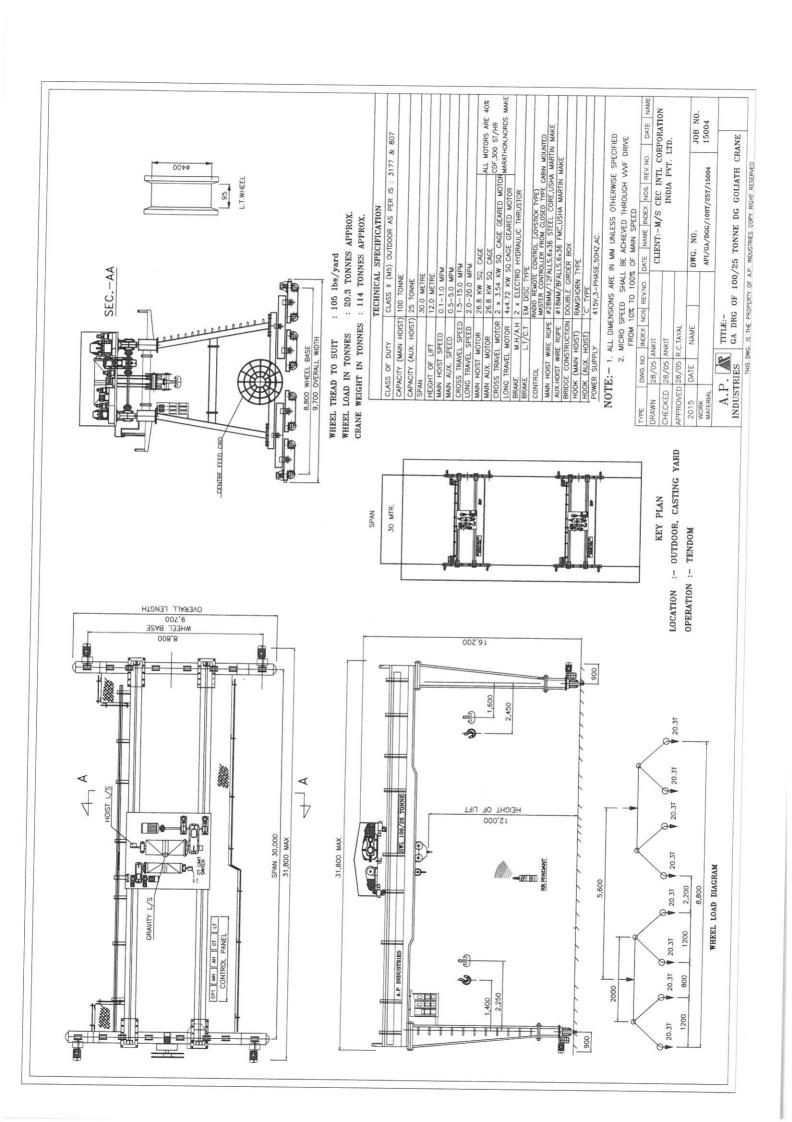
					ICEC/CIC	I				
Site : No	te : NC-01, NC-02 Noida & CC04 Project Dt : 13-10-2018									
						E	quipment	quipment Details		
Sr. No	Asset No.	Location	ASSET DESCRIPTION	Qty	Make	Model/Capacity	Span	No of Winches	Year of Manufacture	Remarks
GAN	TRY CRAN	E								
1	11103249	NC02 Yard	Gantry Crane	1	A.P Industries	100/25 MT	30 m	2	30.11.2015	
2	11103250	NC02 Yard	Gantry Crane	1	A.P Industries	100/25 MT	30 m	2	30.11.2015	
3	11103320	NC02 Yard	Gantry Crane	1	A.P Industries	100/25 MT	30 m	2	31.12.2015	
4	11103321	NC02 Yard	Gantry Crane	1	A.P Industries	100/25 MT	30 m	2	31.12.2015	
5	11103233	NC02 Yard	Gantry Crane	1	A.P Industries	100/25 MT	30 m	2	30.11.2015	
6	11103234	NC02 Yard	Gantry Crane	1	A.P Industries	100/25 MT	30 m	2	30.11.2015	
9	11103447	NC02 Yard	Gantry Crane	1	Grip Engineering	80/20 MT	25 m	2	31.01.2016	
10	11104066	NC02 Yard	Gantry Crane	1	Grip Engineering	80/20 MT	25 m	2	31.03.2016	
11	11104297	CC04 Delhi	Gantry Crane	1	Unicon	100/100/10 MT	24.4 m	3	31.07.2016	Main winch Capacity 150MT

Technical Specification & GA Drawing For 100/25 MT Gantry Crane



		ICEC/CICI
	TECHNICAL DETA	AILS OF API MAKE 100/25T GANTRY CRANE
S.No	Parameter	100/25 MT -30 M
1	Type of crane	Double Girder Goliath Crane.
2	Class of duty	Class M5 duty as per IS :3177, 807, 800
3	Capacity	100/25 Tonne
4	Available Qty	6 Nos.
	Operating Environment	Outdoor,Ambient Temperature 45°c
5	Span	30.0 Mtrs
6	Height of Lift	12.0 Mtr.
7	Crane Control	Closed Type Cabin &Radio Remote Control
8	SPEED	
3	Main Hoist	0.1- 1.0MPM Through VVVFD
a.	Aux. Hoist	0.5- 5.0 MPM Through VVVFD
b.	Cross Travel	1.5 - 15.0 MPM Through VVVFD
c.	Long travel	2.0 - 20.0 MPM Through VVVFD
9	MOTOR	
	Main Hoist	26.8KW Sq. Cage {300 start/hours}
a.	Aux. Hoist	26.8 KW Sq. Cage {300 start/hours}
b.	Cross Travel 2 x 3.54 KW Sq. Cage	
c.	Long travel	4 X 4.72 KWSq. Cage
2	Make	M.H/A.H :BBL/GEC(MARATHON)
e.	Маке	C.T/L.T : NORDS/ GEARED MOTOR
10	WIRE ROPE	
a.	No of Falls/Dia(M.H)	12/28 m
a.	No of Falls/Dia(AH)	8/18 mm
c.	Type of construction	Steel core / 6 x 36 / 180 Kg/sq mm
c.	IS Specification	IS 2266 – 1770 N/mm2
f. N	Make	USHA MARTIN
11 (GEAR BOX	
a. T	Type of gear box	Totally enclosed helical gear box
	Type Of Lubrication	Oil Splash lubrication
b. N	Material of Body	CI Grade -FG-20, IS-210
,		20MnCr5, SAE-8620,En-9/19/24
c. N	Material of Gears & Pinion	HARD &GROUND
e. T	Гуре of Lubrication	Oil Splash Lubrication
	ROPE DRUM	Seamles Pipe as per ASTM A106
\top		M.H: 1 NO. EHT + 1 NO. EHT
3 B	BRAKES	A.H : 1 NO. EHT + 1 NO. EHT
		C.T / L.T : EM DISC TYPE
4 L1	IMIT SWITCH	0.1 / 2.1 . 2.1 2.2 2.2 2.2 2.2
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		ICEC/CICI			
TECHNICAL DETAILS OF API MAKE 100/25T GANTRY CRANE					
S.No	Parameter	100/25 MT -30 M			
b.	Cross Travel/Long travel	Two way lever type			
d.	Make	Crane Control			
15	CRANE CONTROLS				
a.	Protective Panel	Consisting MCCB, MCB Main line contactor, Step down transformer, Single Phase Preventer. (Fuse les Panel.)			
b.	Drive Panel	Consisting Contactor, MCB, Over Load Relays.			
c.	Make	L&T/Siemens/Schneider.			
16	CABLES	Multi Core, PVC Sheathed flexible type			
a.	Make	Finolex/KEI /Heatflex/Powerage Any ISI mark			
17	CURRENT COLLECTION				
a.	Cross Travel	Through trailing cable on 4 - wheeled trolleys running on I Beam			
b.	Long travel	Through Centre FeedCRD Suitable for 400 Mtr Bay Length			
18	Power Supply	415V,+/-10%, 3 phase, 50 Hz			
19	Control Voltage	110V AC,1phase, 50Hz			
20	Coupling	Flexible geared coupling			
21	WHEELS				
a.	Туре	Double flanged straight tread type			
b.	Material	Forging EN-8/9, 300-350 BHN			
c.	Type of bearings	Antifriction Ball/roller			
d.	L.T Wheel Dia	Ø 400 /16			
e.	C.T Wheel Dia	Ø 500/4			
22	HOOKS				
a.	Туре	Ramshorn Type (M.H)			
u.		C Type (A.H)			
b.	Swiveling	On thrust bearing			
c.	Make	Smiriti Forging			
	Bearing	Antifriction Ball/ roller			
24	PLATFORM				
a.	Туре	Steel Chequered plate with toe guard and two tier hand railing on drive side full and other side two short.			
25	Buffer	Rubber Buffer shall be provided for L.T			



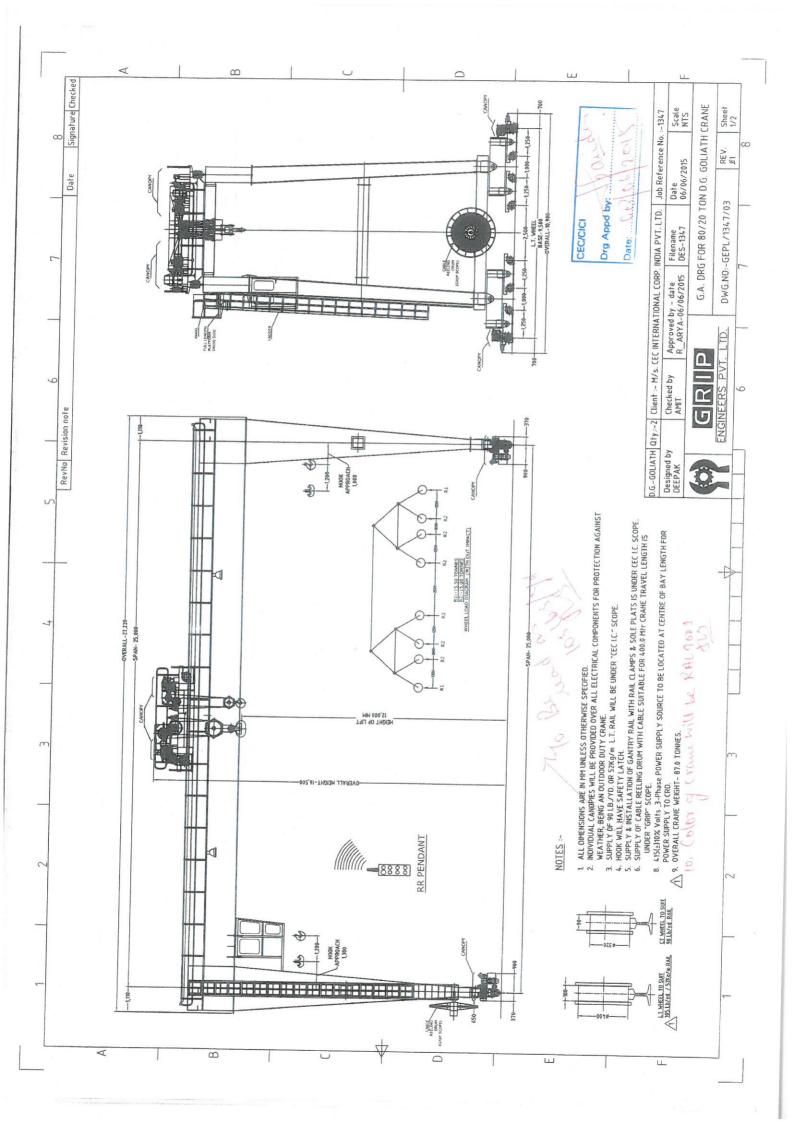
Technical Specification & GA Drawing For 80/20 MT Gantry Crane



		ICEC/CIC			
Α.		L DETAILS OF GRIP MAK	E 80/20T GANTRY CRANE		
	GENERAL				
1	TYPE OF CRANE	Electrically Operated	Gantry Crane confirming to IS: 3177, 800 & 807.		
	DUTY OR CLASS OF CRANE (As per IS:807)				
2	-Mechanical	Class-III/ M6 Duty			
	-Electrical	Class - III/M6 Duty			
3	Crane No.	11103352 & 111041	42		
4	Available Qty	2			
_	CAPACITY OF CRANE				
5	MAIN HOIST	80Tonne			
	AUX. HOIST	20Tonne			
6	Year of Manufacture	2015 & 2016			
	OPERATING ENVIRONMENT		<u> </u>		
	-Indoor / Outdoor	Outdoor			
7	-Ambient Temperature	Upto 52 ⁰ C			
	-Atmosphere	Tropical	O LADOR GAUMINIA MARIA ARMANA		
	- Application	CRANE) COMPONEN	O LARGE (WITHIN THE LIFTING CAPACITY OF THE F, PRECASE GIRDER FROM WORKS ETC.		
B.	DIMENSIONAL DETAILS		,,		
1	Span	25.0 mtr.			
2	Height of lift (total lift)	12 mtr			
	CRANE PERFORMANCE				
	Operating speeds				
	-Main Hoisting	1 m/min			
C.	-Aux. Hoisting	5.0 m/min			
	-Cross Travel	5 - 15.0 m/min	5 - 15.0 m/min		
-	-Long Travel	2-20 m/min			
	Note	Creep speed will be ac	hieved by means of AC VVVF drive in all the motions.		
	CRANE CONTROLS				
D.	- Control		ontroller (Joystick type)and Radio remote (Joystick		
E.	MECHANICAL DETAILS	type) 80/20T			
	WIRE ROPE	MH- 80T	АН-20Т		
-	-Number of Falls	12	8		
-	-Factor of Safety	6	6		
1 -	-Wire rope Diameter	24 mm	16 mm		
-	Construction	6 x 36	6 x 36		
-	Type of Core	Steel	Steel		
	Tensile strength	1960 N/mm. Sq			
I	ROPE DRUM				
2 -	Material	M.S Fabricated / Seam	ess as per ASTM A106		
-	Grooving (Single / Double)	Double			
(GEAR BOXES				
-	Type of Gear Boxes	Totally enclosed Helica 4460	l Hardened and Profile ground design as per IS:		
3 -	Material of Gear Box body	CI Grade 20 / M.S. Fabr	icated IS:2062		
-	Type of Lubrication	Oil Splash			

A		LAL DETAILS OF GRIP MAK	E 80/20T GANTRY CRANE			
A.	- GENERALE					
_	-Make	Own make				
	WHEELS	80/20T				
	-Type	Double Flanged stra				
	-Material	C 55 Mn75 / IS:1570)			
	-Flanged Single / Double	Double flange				
	-Type of Bearings	Anti – Friction Ball /	Roller			
4	-Diameter of Wheels					
	L.T.	320 mm				
	C.T.	400 mm				
	-Number of Wheels					
	L.T.	16 nos.				
	C.T.	4 nos.				
	HOOKS	Main (80T)	Aux. (20T)			
	-Туре	Ramshorn type	"C" Shank			
5	-IS Specification	IS: 5749	IS: 15560			
	-Swivelling	Yes on Thrust Bearin				
	-Makes	Steel Forging / Karar	Engineering / Smriti Forging.			
	BEARINGS					
6	-Туре	Anti – Friction Ball /	Roller			
	-Makes	SKF / NTN / KOYO / FAG/ GALVI				
<u>F.</u>	STRUCTURAL DETAILS					
	MAIN BRIDGE GIRDERS					
1	-Туре	Fabricated box type				
	-Material	As per Is: 2062				
	END CARRIAGE					
2	-Туре	Fusion Welded Plate	Box Type			
	-Material	IS:2062				
	GANTRY LEG					
3	-Туре	Fusion Welded Plate I	Вох Туре			
	-Material	IS:2062				
	TROLLEY FRAME					
4	-Туре	Fusion Welded Plate I	Box Type			
	-Material	IS:2062				
	PLATFORM					
5	Туре	Steel Chequered Plate on drive side	with toe guard and two-tier Hand Railing. Full lengt			
<u>G.</u>	ELECTRICAL DETAILS					
	MOTORS	All motors are inverte	r duty Sq. Cage, S4 Duty, Fan cooled type, having IP se limited to class B. 300 starts/hrs.			
	Main Hoist	26.8kW	2.000 out w/ 113.			
1	Aux. Hoist	26.8 kW				
1	C.T.	7.1kW				
	L.T.	4 x 7.1 kW				
	Note:	Motor rating may be	change subject to final detailed and engineering a ofter placement of order			
	BRAKES	80/20TON	placement of officer			

		ICEC/CICI
L.		DETAILS OF GRIP MAKE 80/20T GANTRY CRANE
A.	GENERAL	
	- Main Hoist	EHT+ EHT BRAKE
2	- Aux. hoist	EHT+ DCEM BRAKE
	-Cross Travel	EHTBRAKE-1NO.
<u> </u>	-Long Travel	EHTBRAKE + DCEM BRAKE
	LIMIT SWITCHES	
	-Main Hoist	GEARED ROTARY & GRAVITY LIMIT SWITCH
3	-Aux. Hoist	GEARED ROTARY & GRAVITY LIMIT SWITCH
	-Cross Travel	TWO WAY LEVER
	-Long Travel	TWO WAY LEVER
	CRANE CONTROLS	
4	-Protective Panel	Consisting of Switch Fuse Unit, Main line contactor, Step Down Transformer, Single Phase Preventor, Switch for Control Supply
	-Drive Panel	Electrical Control for Hoist, C.T. & L.T. Drive will be provided which shall consist of Main Contactor, Drive Contactors, MCB, and Relays etc. duly wired with terminal block.
	CABLES	
	-Type	Multicore Copper
5	-Insulation	PVC Sheathed Flexible
3	-Minimum Size	
	-For Power circuit	2.5 mm2
	-For Control circuit	1.5 mm2
	CURRENT COLLECTION	
6	-Cross Traverse	Through PVC flexible cables laid in drag chain
	-Long Traverse	By means of cable reeling drum with centre feed power supply.
7	POWER SUPPLY (MAIN)	415 V 🗈 10%, 3 Phase, 50 Hz A.C.
9	POWER SUPPLY CONTROL VOLTAGE	110 V A.C., 1Phase, 50HZ
H.	WEIGHT OF CRANE (UNLADEN)	82 Ton
I	LT Wheel Load (Static)	16.5 Ton



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7					CEC/G Drg A Date:	AL CORP. INDIA PVT. LTD date Filename 06/2015 DES-1347 ATA SHEET FOR 80/20 1 DWG.NO:-GEPL/1347/01
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RevNo Revision note	LONG TRAVEL LONG TRAVEL We	E IYPE	10	LAND ORUH TAND FED) of impact)		Designed by Checked by Approved by - date Filename DEEPAK AMIT R_ARYA-06/06/2015 DE5-134.7 CONTRIBUTE DEFINE DATA SHEET FOR 80/20 ENGINEERS PVT. LTD. OWG.NO:-GEPL/134.7/C
7	LONG TRA LONG TRA 2-MY LEVER 19 APP. OHE GARDER FLEXIBLE BRANE BRANE BRANE BRANE TRANE ESSARD FLEXIBLE FSARD FLEXIBLE	6879 14-14 1011 DEE STORE TYPE 5-0-C 1011 SE STORE TYPE 1014 1014 1014 1014 1014 1014 1014 101	HELKAL / VR-500 48.4:1 68.1P 68.1P 72.0 mm 72.0 mm 70.0 mm 100.00.E FLANGED SIXTEEN 105.Lb/d / 52.Kg/m 52.Kg/m	15:34.3 558-3 70.0R 70	2.0 mpm /20.0 mpm	D.GG Design
	CROSS TRAVEL AMY LEVER AMY LEVER AMY SEGULISAGE RES CREATER RES CREATER AND DANK GLABED AND URLANKE SIGNT BAND OF IRRADES AND	DE/6 POLE	0	HATER HATER ATFOR		
	CROSS TRAVEL 2-WAY LEVEN 10 AMP. 5-W-S K-D-C/ S-AGE 0-WE G-AMED RELYBEL BRAVE DREN G-ARED G-AMED RELYBEL G-AMED DREN G-ARED	GRP ONE - FOUR	HELICAL / VR-559 86.6:1 GRBP DNE 600 mm 90 mm 90 mm 90 mm 90 LB/Pd 67 mm 95 LB/Pd 67 mm 45 Kg/m	51EL CRIVED FORR FORR FUSION WILKED PLATE BOX FUSION STEPLY DRAG CHARK SYSTEM TO PROPER SHAPPORT INDEXTY AND BOX BOX CONTROL TO PLATE BOX AND BOX CONTROL TO PLATE BOX AND BOX CONTROL TO PLATE BOX CONTROL	5.8 mpm /15.0 mpm	
7	DESCRIPTIONS TYPE OF LIMT SWITCH HAKE HAKE HAKE TOUGUANITIY TYPE OF COUPLING BETWEEN GLOOX & WHEEL	AAKE DTOR TOR ISULATION	RATIO FEER H	DIN GIRDER SE ANE HAL PLATE) LLECTION LOAD	P. C.	
	DESCRIPTIONS TYPE OF LINT SWITT RATING MARKET O QUANTITY TYPE OF COUPLING BET WEEN GROX & W SIZE		REDUCTION RATIO HAKE OUANTITY TREAD WIDTH TYPE OUANTITY SIZE BULB WIDTH WEIGHT / HETRE	SPECIFICATION TYPE QUANTITY HAIN BRIDGE GIROER FING CARRAGE FING CARRAGE FING CARRAGE FING CARRAGE FING CARRAGE FING COLLECTION WEIGHT WHEEL BASE WHEEL BASE	SQL CAGE POTONS. SQL CAGE POTONS. CARRY - PUSH BUTTON TYPE RAJDO REHOTE CONTINUATION TECHNICAL SPECIFICATIONS.	
	TIMIT -9002		RAIL WHEEL GEAR	ATAO ATAO	BUTTON TYPE R	
m	MAIN HOIST GEARD ROTARY - GRANTY 19 APP. 19 APP. 10 APP. 10 APP. 10 APP. 10 APP. 10 APP. 10 APP. 10 AP	GRIP THO CORE BIT 250 DIA/18 kg 250 DIA/18 kg 25-0-C 1 DIO 50. CAGZ-LAX/CDF/6 POLE 28. LAK-KM CASS-TO-Y MAGATHON ONE CORE CORE CORE CORE CORE CORE CORE COR	48.50 1 1 20 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0	320 mm (10 mm)	A MARTED SPEEDS A MARTEN A LONG WITHOUT VAVY FOR VENTION OF SAL CAGE HOTORS. HO MALES, SO RES, AL. HOUSE SPEEDS, ALL HOUSE	m
	. E		(38p OWE 500 mm 52 000 mm 52 0000 mm 52 000 mm	370 mm 2 250	S.0 mp VVVF DRIVE CONTINUE ASTER CONTROL VY DUTY/OUTPO S.3777; S.807; S.4	
	MAIN HOIST GEARD BOTARY - GEANTI BY ANE. S-NS-SE-OF-S-AGE ONC. ONE GEARD LENGE BRANC DELVICE. TITESIA. IN J. GEARD TITESIA. IN J. GEARD TITESIA. IN J. GEARD	TWO - 0NE BHT TWO - 0NE BHT TSG DA / 18 hg TSG DA /	244.1 1 GRP GRP GSG mn T30 mn T30 mn T30 mn GSG mn S204.2 ES204.2 ES205.2 ES205.2 ES206.2 ES20	6 x 36	ON ACHEVED THRU TS, 56 Hz, AC. X VOLTS, SO[A]3X H JOYSTKK TYPE H II /H-6 DUTY/HEA UNE CONFORMS TO IS	
2			248.8 : 1 GR2P ONE 1730 ash 1730 ash 17	554 am 3,000 mm 1,000	1146/150 1146/150 116/	5
	DESCRIPTIONS TYPE OF LIMIT SWITCH TATING HAKE OUANITIY TYPE OF COUPLING BETI WEEN NOTOR & GBDX BETI WEEN NOTOR & LOBUM STEE	TUNITY TYPE OF BRAKE SIZE SIZE MAKE GUANTITY TYPE OF HOTOR TYPE OF HOTOR CLASS OF NSULATION CLASS OF NSULATION CLASS OF NSULATION TYPE OF NSULATION TYPE OF NSULATION TYPE OF NSULATION TYPE OF NSULATION	REDUCTION RATIO HAKE QUANTINE ROOT DIAMETER OUTSIDE DIAMETER ALTERAL QUANTITE ROOT DIAMETER ROOT DIAMETER ROOT DIAMETER ROATITY ROATITY ALTERAL MATRIAL MATRIAL	OUTSIDE DIAMETER HATERAL HATERAL OUANITITY OUGHTITY OUGHTITY TYPE OF CARE FACTOR ES ASETY TENSILE SIRENGI HAN BURNEL SIRENGI HAN BURNEL SIRENGI HAN BURNEL SIRENGI HAN BURNEL SIRENGI HENGH TO BURNEL SIRENGI DE LET TENSILE SIRENGI DE LET TENSILE SIRENGI DA BURNEL SIRENGI DE LET TENSILE SIRENGI DE LE	SPEED CONTROL SYSTEM A CONTROL VOLTAGE POWER SUPPLY OPERATION CLASS / DULY SPECFICATIONS	
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Technical Specification & GA Drawing For 100/100/10/ MT Gantry Crane



S.No	Parameter	150 MT (2 Trolley of 100MT each with additional 10MT AH on one trolley)
		24.4m
1	Type of Crane	Double Girder Gantry Crane, with 2(two) trolley of 100MT capacity each. Total Capacity in Tandem motion of trolley shall be 150T
2	Crane No.	
3	Nos Reqd	1
4	Operation	Cabin Operated Through Master Controller
5	Radio Remote Control	N/A
6	Control	All motions shall be controlled through VVVF Drives.
7	Indoor/Outdoor	Outdoor
8	Location	·
9	Class of Duty	M6 as per IS: 3177/1999 & IS: 807
10	Lifting Capacity MT	
	MH 1	100 MT
	MH 2	100 MT
	AH	10 MT
11	Span in M	24.4m
12	Height of Lift	
		MH1 MH2
	Above GL	12m 12m
	Below GL	20m 20m
13	Operating Speeds(MPM)	
	MH 1	1/Micro
	MH 2	1/Micro
	AH	10/Micro
	LT	20/Micro
	СТ	15/Micro
	Micro Speed	Has been offered for all motions through VVVF drives. The micro speed shall be at any desired percentage of the Main speed subject to minimum of 10%
14	Power Supply	415V, 3Ph, 50Hz+-3%
15	Control Voltage	110V
16	MH Motor 1	
	Туре	CRANE DUTY & INVERTER DUTY, TEFC, HAVING INTERNATIONAL FRAME SIZE, SQC TYPE MOTOR

	KW	26.8
	Poles	6/8
	No. of Starts	300
	CDF	40%
	Qty.	1
	Insulation Class	F
	Degree of Protection	IP 55
17	MH Motor 2	
	Туре	CRANE DUTY & INVERTER DUTY, TEFC, HAVING INTERNATIONAL FRAME SIZE, SQC TYPE MOTOR

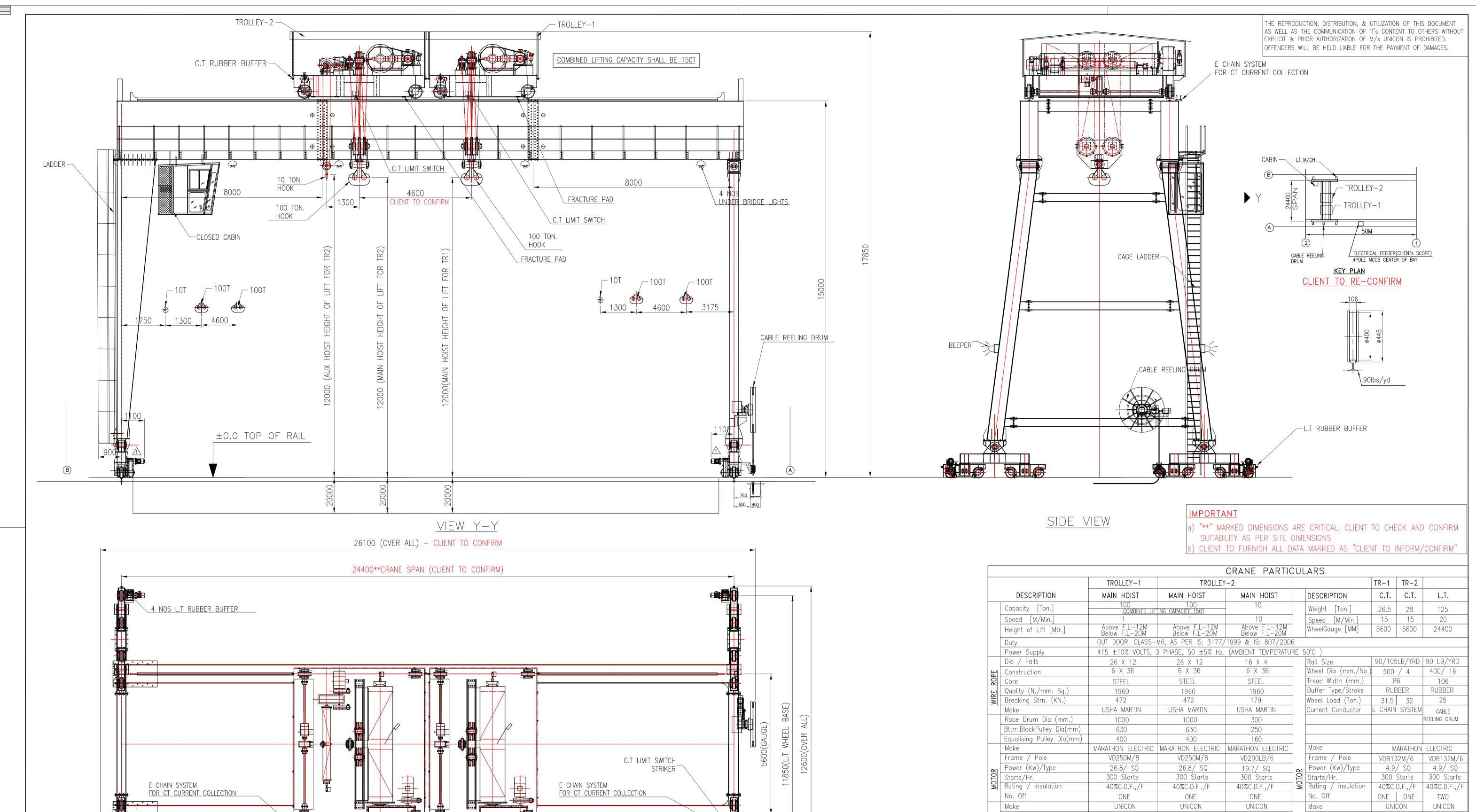
S.No	Parameter	150 MT (2 Trolley of 100MT each with additional 10MT AH on one trolley)
5.NO	Parameter	
		24.4m
		24.4111
	KW	26.8
	Poles	6/8
	No. of Starts	300
	CDF	40%
	Qty.	1
	Insulation Class	F
	Degree of Protection	IP 55
17	AH Motor	
	Туре	CRANE DUTY & INVERTER DUTY, TEFC, HAVING INTERNATIONAL FRAME SIZE, SQC TYPE MOTOR
	KW	19.7
	Poles	6/8
	No. of Starts	300
	CDF	40%
	Qty.	1
	Insulation Class	F
	Degree of Protection	IP 55
18	LT Motor	
	Туре	CRANE DUTY & INVERTER DUTY, TEFC, HAVING INTERNATIONAL FRAME SIZE, SQC TYPE MOTOR
	KW	4.9
	Poles	4/6

CDF Qty. 4 (FOUR CORNER DRIVE) Insulation Class F Degree of Protection IP 55 19 CT Motor CRANE DUTY & INVERTER DUTY, TEFC, INTERNATIONAL FRAME SIZE, SQC TYPE KW 4.9 Poles 4/6 No. of Starts 300 CDF 40% Qty. 1	
Insulation Class Degree of Protection IP 55 19 CT Motor CRANE DUTY & INVERTER DUTY, TEFC, INTERNATIONAL FRAME SIZE, SQC TYPE Type KW 4.9 Poles 4/6 No. of Starts 300 CDF	
Degree of Protection IP 55 19 CT Motor CRANE DUTY & INVERTER DUTY, TEFC, INTERNATIONAL FRAME SIZE, SQC TYPE Type KW 4.9 Poles 4/6 No. of Starts 300 CDF	
19 CT Motor CRANE DUTY & INVERTER DUTY, TEFC, INTERNATIONAL FRAME SIZE, SQC TYPE KW 4.9 Poles 4/6 No. of Starts 300 CDF 40%	
CRANE DUTY & INVERTER DUTY, TEFC, INTERNATIONAL FRAME SIZE, SQC TYPE KW 4.9 Poles 4/6 No. of Starts 300 CDF 40%	
INTERNATIONAL FRAME SIZE, SQC TYPE Type	
KW 4.9	, HAVING E MOTOR
Poles 4/6 No. of Starts 300 CDF 40%	
No. of Starts 300 CDF 40%	
CDF 40%	
Qty.	
Insulation Class F	
Degree of Protection IP 55	
20 Limit Switches	
Hoist Rotory+Gravity	
CT Lever Type	
LT Lever Type	
21 Brake Type	
MH 1 2 Nos. E.H.T	
MH 2 2 Nos. E.H.T	
AH 2 Nos. E.H.T	

S.No	Parameter	150 MT (2 Trolley of 100MT each with additional 10MT AH on one trolley)
		24.4m
	LT	1 No. EM Disc per Motor
	СТ	1No. EM Disc
22	Gear Boxes	
	Туре	CI/MS Fabricated Housings.having spur/helical gears capable of splash lubrication
	Make	Unicon
	Material of Pinion	EN19/EN24
	Hardness of Pinion	265 - 300 BHN

	Material of Gear	EN8/EN9
	Hardness of Gear	215 - 255 BHN
23	MH Wire Rope 1	
	Туре	Steel Core
	Construction	6X36
	Factor of Safety	As per IS: 3177/1999
	IS Code	2266
24	MH Wire Rope 2	
	Туре	Steel Core
	Construction	6X36
	Factor of Safety	As per IS: 3177/1999
	IS Code	2266
24	AH Wire Rope	
	Туре	Steel Core
	Construction	6X36
	Factor of Safety	As per IS: 3177/1999
	IS Code	2266
25	Rope Drum	
	Туре	Seamless Pipe/ M.S Fabricated
	Material of Construction	As per IS: 2062
26	Wheels	
	Туре	Machined from forged steel and duly hardened, supported on self alingning roller bearing, enclosed in L Type housing
	Material of Wheels	C55Mn75
	Hardness of Wheels	300-350 BHN
	Size(Dia in MM)-LT	400
	Qty.	16
	Size(Dia in MM)-CT	500
	Qty.	4
27	L.T. Rail	
	Size	105 lbs/yd
	Scope of Supply	Client's Scope
28	L.T. DSL	
	Туре	Cable Reeling Drum along with cable- 1 No. crane shall work in the bay suitable for centre feed.

S.No	Parameter	150 MT (2 Trolley of 100MT each with additional 10MT AH on one trolley)
		24.4m
	Scope of Supply	Unicon' s Scope
29	Bay Length	50M
30	Ambient Temperature(in deg C)	50
31	Type of Hook	
	Main Hoist 1	Ramshorn Type Hook
	Main Hoist 2	Ramshorn Type Hook
	Aux. Hoist	C Type Hook
	Provision of Safety Latch	Provided
32	Attachments	N.A
33	Special Features	1. Load Cell shall be provided for for 2 Nos 100T & 1 No. 10T Hoists
34	Couplings	Only Gear Couplings shall be used
35	Bridge Construction	Plate Box Girder having anti vibration design, robust in construction. 2 Nos Splice Joints shall be provided in each girder for ease of transportation.
36	Platform	Anti-skid Platform Full length on one side.
37	Buffers	Rubber Buffers
38	Cables	Only copper cables shall be used
39	Radiography	All butt welds shall be Radiographed
40	Hooks	Only forged hooks, duly proof load, Ultrasonically and chemically tested shall be used.
41	Lubrication	Localized Manual Lubrication
42	Painting	Surface Cleaning shall be done through Wire brushes and followed by red oxide primer and yellow color enamel paint
43	Control Panels	Enclosed with cut out for cooling fans and located on the bridge walk way platform.



1) ALL DIMNS. ARE IN MM. UNLESS SPECIFIED OTHERWISE. 2) ALL MOTIONS SHALL BE CONTROLLED THROUGH VVVF DRIVES.

CABIN ENTRY 600X550M

3) MANUAL LOCALIZED LUBRICATION SHALL BE PROVIDED

NOTES :-

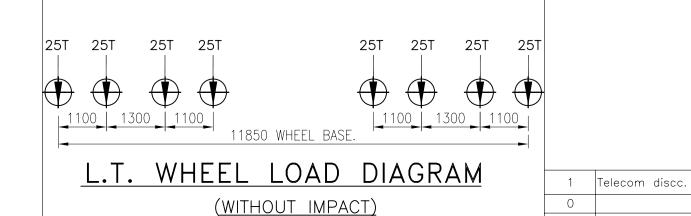
- 4) OPERATION OF CRANE SHALL BE FROM CLOSED CABIN FOLLOWING OPERATION MODES SHALL BE AVAILABLE: 1. ANY 1 TROLLEY CAN OPERATE IN INDEPENDENT MODE
- 2. BOTH TROLLEY MOVEMENTS ONLY IN TANDEM MODE 5) PAINTING SHALL BE DONE WITH RED OXIDE PRIMER & RAL 9001/ GOLDEN YELLOW ENAMEL PAINT - CLIENT TO CONFIRM SHADE
- 6) POWER SUPPLY FOR CRANE SHALL BE THROUGH CABLE REELING DRUM WITH CENTRE FEED
- 7) CABLE REELING DRUM & CABLE TO UNICON,S SCOPE (BAY LENGTH 50 M).

HAND RAILING-

- 8) L.T. RAIL(90 LB/YRD-CLIENT'S SCOPE) CLIENT TÒ RE-CONFIRM FINAL RAIL SÍZE
- 9) LOAD CELL SHALL BE PROVIDED FOR FOLLOWING: 1. 2 Nos 100T HOIST, 2. 1 No. 10T HOIST
- 10) QUANTITY OF CRANE IS 1 No.

SELECTRICAL PANELS

1) ELECTRICAL FEEDER TO BE PROVIDED BY THE CLIENT AT CENTER OF BAY ON CRD SIDE. REFER KEY PLAN DIAGRAM.



-MS. CHQRD. PLATE

UHR1100 Size

Qty. of Oil (Ltr.) UHR1100 Size Qty. of Oil (Ltr.) UVR500 UVR450 UHR500 60 60 20 4.5 Ratio Ratio 1 : 347.72 1 : 347.72 : 48.57 1 : 95.11 1 : 62.88 No. Off ONE ONE ONE ONE ONE FOUR SOC. Make SOC. SOC. EM DISC EM DISC Type
Drum Dia (mm)
No. Off E.H.T E.H.T (IN BUILT) E.H.T (IN BUILT) 300 (34KG) 250(18KG) 300 (34KG) **≾**|| Rating 150 NM 150 NM TWO TWO ONE ONE FOIUR Make SOC. SOC. SOC. GIOVENZANA Type
No. Off Type ROTARY + GRAVITY ROTARY + GRAVITY ROTARY + GRAVITY LEVER LEVER ONE EACH ONE EACH ONE EACH No. Off ONE ONE ONE M/S CONTINENTAL ENGINEERING CORP. Since 1976 UNICON CCO4 PROJECT, DMRC, AZADPUR

UNICON TECHNOLOGY INTERNATIONAL LOCATION

PRIVATE LIMITED.

www.uniconcranes.co.in
unicon@uniconcranes.co.in

SHEET SIZE

DRN CHQ APPD DATE SUBMITTED FOR APPROVAL

1. Shifted LT Mchnry inside

DESCRIPTION

REVN REF. DETAIL

BC

ВС

BC RSN 02/02/1

BC RSN

AZADPUR, DELHI

DGN.

GA/547

DRN.

drawing no.

RECORDS

B.C.

G.A. DRAWING FOR 100/100/10TON. X 24.4 MTRS.

SPAN GANTRY CRANE. COMBINED CAPACITY 150

CHQ.

INFORMATION

APPD.

R.S.N

MANUFACTURING

REV A