

RevNo	Revision note	Date	Signature	Checked

⑦ Gear boxes GA Drawing is also required for approval.

⑧ Grip make Thrusters also acceptable, but these should be same as previous Grip make EOT crane ST, Job no 1194.

*Bim TRM*


DESCRIPTIONS		MAIN HOIST		DESCRIPTIONS		CROSS TRAVEL		LONG TRAVEL		
LIMIT SWITCH	TYPE OF LIMIT SWITCH	GEARED ROTARY + GRAVITY		LIMIT SWITCH	TYPE OF LIMIT SWITCH	2-WAY LEVER		2-WAY LEVER		
	RATING	10 AMP.			RATING	10 AMP.		10 AMP.		
	MAKE	S-N-S/S-0-C/S-AGE			MAKE	S-N-S/S-0-C/S-AGE		S-N-S/S-0-C/S-AGE		
	QUANTITY	ONE + ONE			QUANTITY	ONE		ONE		
COUP-LING	TYPE OF COUPLING	GEARED FLEXIBLE		COUP-LING	TYPE OF COUPLING	GEARED COUPLING		GEARED COUPLING		
	BETWEEN MOTOR & G.BOX	BRAKE DRUM GEARED			BETWEEN MOTOR & G.BOX	BRAKE DRUM GEARED		BRAKE DRUM GEARED		
	BETWEEN G.BOX & DRUM	INTEGRAL HALF GEARED			BETWEEN WHEEL TO WHEEL	INTEGRAL HALF GEARED		INTEGRAL HALF GEARED		
	SIZE	200 DIA + 105			SIZE	100φ + HR-101		150φ + HR-104		
	MAKE	GRIP			MAKE	GRIP		GRIP		
QUANTITY	TWO+ONE		QUANTITY	ONE+FOUR		SIX+TWO		ONE		
BRAKE	TYPE OF BRAKE	EHT		BRAKE	TYPE OF BRAKE	EHT		EHT		
	SIZE	φ200/18kg			SIZE	φ100/18kg		φ150/18kg		
	MAKE	CRANE CONTROL/ELECTROMAG			MAKE	CRANE CONTROL/ELECTROMAG		CRANE CONTROL/ELECTROMAG		
	QUANTITY	TWO			QUANTITY	ONE		FOUR + TWO (R.A.)		
MOTOR	TYPE OF MOTOR	SQ.CAGE / 60%CDF / 300 st per Hr		MOTOR	TYPE OF MOTOR	SQ.CAGE / 60%CDF / 300 st per Hr		SQ.CAGE / 60%CDF / 300 st per Hr		
	K.W.	7 KW			K.W. / H.P.	0.80KW		7 KW		
	RPM OF MOTOR	970 RPM			RPM OF MOTOR	880 RPM		970 RPM		
	CLASS OF INSULATION	CLASS 'F'			CLASS OF INSULATION	CLASS 'F'		CLASS 'F'		
	MAKE	BBL/CGL/ABB			MAKE	BBL/CGL/ABB		BBL/CGL/ABB		
	QUANTITY	ONE			QUANTITY	ONE		TWO		
GEAR BOX	TYPE / SIZE	HELICAL /VR-500+150		GEAR BOX	TYPE / SIZE	HELICAL /VR-320		HELICAL /VC-550		
	REDUCTION RATIO	74.96:1			REDUCTION RATIO	29.49:1		40.63:1		
	MAKE	GRIP			MAKE	GRIP		GRIP		
	QUANTITY	ONE			QUANTITY	ONE		TWO		
MAIN PULLEY	ROOT DIAMETER	250 mm		WHEEL	TREAD DIAMETER	160 mm		400 mm		
	OUTSIDE DIAMETER	290 mm			TREAD WIDTH	70 mm		90 mm		
	MATERIAL	IS:2062			TYPE	L-BLOCK		L-BLOCK		
EQ. PULLEY	ROOT DIAMETER	200 mm		RAIL	QUANTITY	FOUR		FOUR		
	OUTSIDE DIAMETER	240 mm			SIZE	30Lb/yd		60Lb/yd		
	MATERIAL	IS:2062			BULB WIDTH	41 mm		57 mm		
	QUANTITY	ONE			WEIGHT / METRE	15.0 kg/m		30.0 kg/m		
DRUM	OUTSIDE DIAMETER	242 mm		BUFFER	SPECIFICATION	IS:3443		IS:3443		
	LENGTH	1,400 mm			TYPE	SPRING (GSB-1)		SPRING (GSB-3)		
	MATERIAL	IS:2062			QUANTITY	FOUR		FOUR		
	QUANTITY	ONE								
WIRE ROPE	IS SPECIFICATION	IS 2266:2002		STRUCTURE	MAIN BRIDGE GIRDER	FUSION WELDED PLATE BOX; MATERIAL AS PER IS:2062				
	NO. OF FALLS	FOUR			END CARRIAGE	FUSION WELDED PLATE BOX; MATERIAL AS PER IS:2062				
	DIA. / CONSTRUCTION	12 mm / 6x36			TROLLEY FRAME	FUSION WELDED PLATE BOX; MATERIAL AS PER IS:2062				
	TYPE OF CORE	FIBRE			PLATFORM (CHQ. PLATE)	BOTH SIDE-FULL LENGTH PLATFORM				
	FACTOR OF SAFETY	5.6			DATA	CURRENT COLLECTION	DRAG CHAIN SYSTEM -(IGUS MAKE)	4-WAY SHROUDED BUS BAR TYPE DSL LENGTH-85 MTR. (EXISTING)		
	TENSILE STRENGTH	1770 N/MM SQ.			MAX. WHEEL LOAD	1.875 TONNES (without impact)		12.0 TONNES (without impact)		
	MIN. BREAKING LOAD	84 KN			WEIGHT	2.5 TONNES		33.25 TONNES		
MAKE	USHA MARTIN		WHEEL BASE	1,500 mm		5,600 mm				
DATA	HEIGHT OF LIFT	7.0 METRES		WHEEL GUAGE	2,200 mm		30,000 mm			
	CAPACITY	5.0 TON		RATED SPEEDS	FAST:-15.0 mpm	SLOW:-15 mpm	FAST:-30.0 mpm	SLOW:-3.0 mpm		
	RATED SPEEDS	FAST:-5.0 mpm	SLOW:-0.5 mpm							
	SPEED CONTROL SYSTEM	FAST & SLOW SPEEDS IN ALL MOTION WILL BE ACHIEVED THRU VVVF DRIVES								
	CONTROL VOLTAGE	110 VOLTS, 50 Hz, AC.								
	POWER SUPPLY	415 (±) 10% VOLTS, 50 (±) 3% Hz, 3-PHASE, AC (4-WIRE)								
	OPERATION	FROM PENDANT PUSH BUTTON STATION WITH LAPP CABLE WATER PROOF INDEPENDENTLY TRAVELLING ALONG THE CRANE SPAN + SHOULDER HELD RRC								
	CLASS / DUTY	CLASS III / M-7 / MEDIUM DUTY / OUTDOOR OPERATION								
	SPECIFICATIONS	THE CRANE CONFORMS TO IS:3177; IS:807; IS:800								
	TECHNICAL SPECIFICATIONS									

*not under the table please clear.*

*29,000 required Bim TRM*

*heavy duty Bim TRM*

*Please Re send the GA Drawing after changing span 30mtr to 29 mtr Also please confirm the acceptance of points no. 1 to 8. Bim Normal sign 5/11/15*

DG-GOLIATH	Qty.:-1	Client :- M/s. ISGEC HEAVY ENGINEERING LTD.			Job Reference No. :- 1327	
Designed by DEEPAK	Checked by AMIT	Approved by - date R_ARYA-01/01/2015	Filename DES-1327	Date 01/01/2015	Scale NTS.	
 <b>GRIP</b> ENGINEERS PVT.LTD.		DATA SHEET FOR 5.0 T DG-GOLIATH CRANE				
		DWG.NO:-GEPL/1327/01	Edition 00	Sheet 2/2		