RevNo	Revision note	Date	Signature	Checked

	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-O-C/S-AGE		MAKE	S-N-S/S-O-C/S-AGE	S-N-S/S-O-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	100ø + HR-101	150ø + HR-104
	MAKE	GRIP		MAKE	GRIP	GRIP
	QUANTITY	TWO+ONE		QUANTITY	ONE+FOUR	SIX+TWO
BRAKE	TYPE OF BRAKE	EHT	BRAKE	TYPE OF BRAKE	EHT	EHT
	SIZE	ø200/18kg		SIZE	ø100/18kg	ø150/18kg
	MAKE	CRANE CONTROL/ELECTROMAG		MAKE	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'	
	MAKE	BBL/CGL/ABB		MAKE	BBL/CGL/ABB	
	QUANTITY	ONE		QUANTITY	ONE	TWO
GEAR BOX	TYPE / SIZE	HELICAL /HR-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
	QUANTITY	TWO		QUANTITY	FOUR	FOUR
EQ. PULLEY	ROOT DIAMETER	200 mm	RAIL	SIZE	30Lb/yd	60Lb/yd
	OUTSIDE DIAMETER	240 mm		BULB WIDTH	41 mm	57 mm
	MATERIAL	IS:2062		WEIGHT / METRE	15.0 kg/m	30.0 kg/m
	QUANTITY	ONE		SPECIFICATION	IS:3443	IS:3443
DRUM	OUTSIDE DIAMETER	242 mm	BUFFER	TYPE	SPRING (GSB-1)	SPRING (GSB-3)
	LENGTH	1,400 mm		QUANTITY	FOUR	FOUR
	MATERIAL	IS:2062				
	QUANTITY	ONE				
WIRE ROPE	IS SPECIFICATION	IS 2266:2002	STRC-TURE	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.				
	MIN. BREAKING LOAD	84 KN		MAX. WHEEL LOAD	1.875 TONNES(without impact)	12.0 TONNES(without impact)
	MAKE	USHA MARTIN		WEIGHT	2.5 TONNES	33.25 TONNES
DATA	HEIGHT OF LIFT	7.0 METRES		WHEEL BASE	1,500 mm	5,600 mm
	CAPACITY	5.0 TON		WHEEL GUAGE	2,200 mm	30,000 mm
	RATED SPEEDS	FAST:-5.0 mpm SLOW:-0.5 mpm		RATED SPEEDS	FAST:-15.0 mpm SLOW:-1.5 mpm	FAST:-30.0 mpm SLOW:-3.0 mpm
	SPEED CONTROL SYSTEM	FAST & SLOW SPEEDS IN ALL MOTION WILL BE ACHIVED 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 INDEPENDENTALLY 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

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.

GRIP ENGINEERS PVT.LTD.

DATA SHEET FOR 5.0 T DG-GOLIATH CRANE

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