

## DEFLECTION TEST REPORT

Customer Name :- TATA MOTORS LTD.

Address : - MIDC PIMPRI PUNE 411018

### Equipment Description :

Type Of Crane : - SG US Crane

Capacity of Crane : - 1 Ton

Height of Lift : - 5 MTR

Span of Crane : - 10.8 MTR

Location : - J 12 Block, North End

Load Test is done on 100% Load, by lifting of Dead Load.

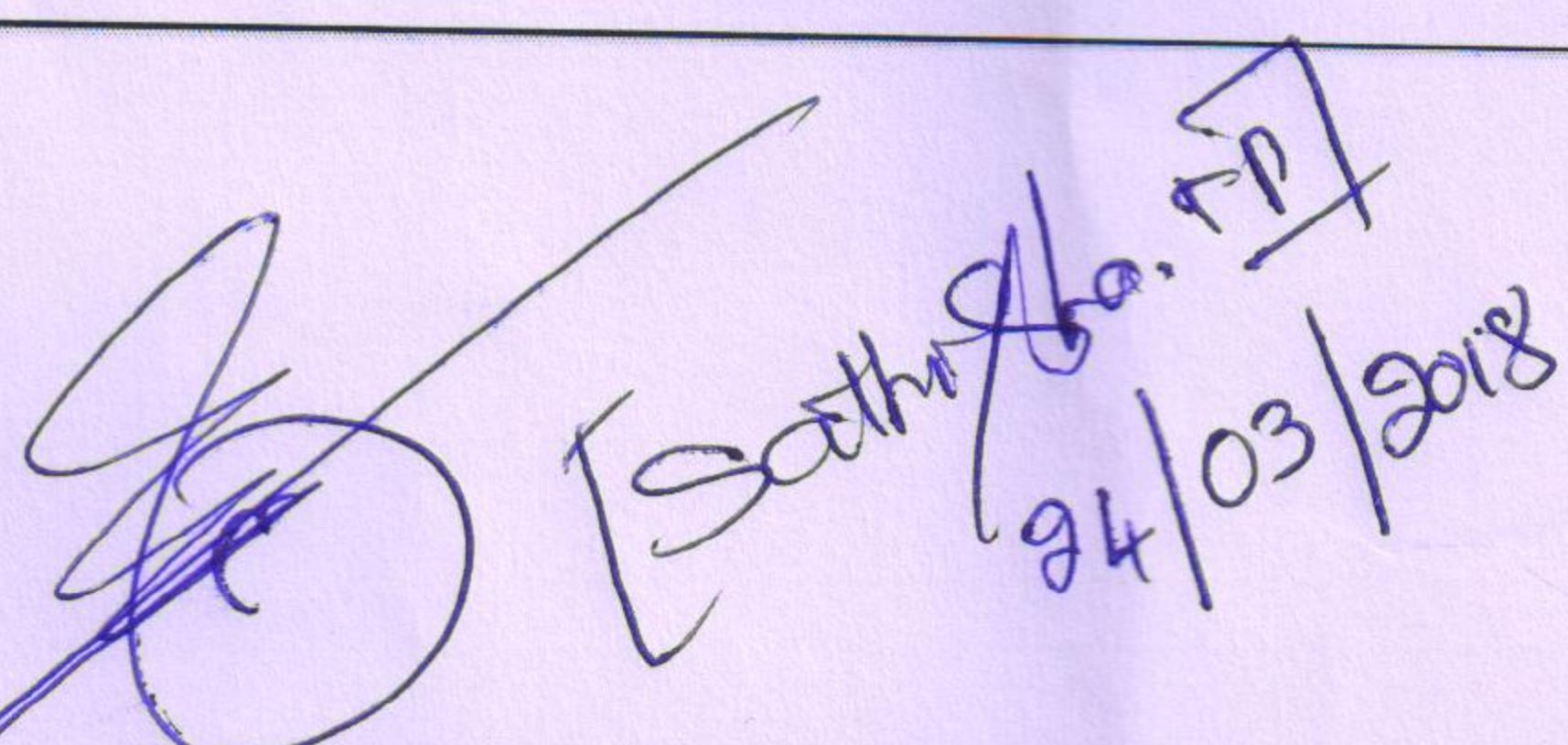
Test results are OK, and crane can be used for lifting the load up to 1 Ton.

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As per IS 807 rule safe deflection is SPAN/750 for over head crane on rated load.

- 1) Crane Serial No: - SG US – 17 – 001 – 11410.
- 2) Hoist Model : - ST2010 – 8/2 2/1
- 3) Hoist Serial No : - 3321208
- 4) Fem Rating : -

Observed Deflection: - 4 MM (Within Limit)



Sathish  
94/03/2018

SIGNATURE OF ERECTION ENGINEER

(FOR SPARKLINE EQUIPMENT PVT LTD)

Received  
Bagar  
Bagar S.M.  
APL - TML.  
28/3/18

**PATIL INDUSTRIAL EQUIPMENT COMPANY**  
**FORM NO 11**

(See rules 62 and 64) Ref No- P/22/2018 / TML / 1074

**Report of examination of Hoist, Lift, Lifting machines, chains ropes and Lifting Tackles.**

**PARTICULARS**

1.	Name of occupier	: TATA MOTORS LTD
2.	Name & address of factory	: PIMPRI PUNE 411018
3.A	Type, identification number and description of hoist lift, lifting machine chains, ropes, and lifting tackles	: Single Girder U/Slung Crane. No SGUS-17-001-1410 : with Stahl Chain Hoist No3321208 : Capacity 1 M T.2 Falls Chain Dia 7 mm : Location: -J Block . North End HOL- 5 Mtr : 2017-18 : 22 / 03 / 2018
	Date of construction or reconstruction and the date when the hoist , lift, lift machine, chains, ropes, and Lifting tackles were first taken into use in the factory.	
4	Date of last examination made under section 28 (1) (a) (ii) and 29 (1) (a) (iii) and by whom it was carried out	: 22 / 03 / 2018 First Exam : S G Patil C P C No P/22/2017
5(A)	Maintenance ( list of parts , if any which were Inaccessible ) Are the following parts of the hoist or lift properly Maintained and in good working order? If not state what defects have been found.	: N.A
(a)	Enclosure of hoist way or lift way	: N.A.
(b)	Landing gates and cage gate ( s )	: N.A.
(c)	Interlocks on the landing gates and cage gate ( s )	: N.A.
(d)	Other gates fastenings.	: N.A.
(e)	Cage and platform and fitting cage guides buffers , interior of the hoist way or lift way	: N.A.
(f)	Overrunning devices.	: N.A.
(g)	Suspension ropes or chains and their attachment.	: N.A.
(h)	Safety gear, i.e arrangements for preventing fall of platform or cage brakes.	: N.A.
(i)	Brakes.	: N.A.
(j)	Worm or spur gearing	: N.A.
(k)	Other electrical equipment.	: N.A.
(l)	Other parts	: N.A.
5(B)	Date and number of the certificate relating to any test and examination made under sub rule (1) of rule 64 together with the name of the person who issued the certificate.	: 22 / 03 / 2018 First Exam : S G Patil C P C No P/22/2018
5(C)(i)	Date of annealing or the heat treatment of the Chain and lifting tackle carried out under sub rule (5) of rule 64 and by whom it was carried out.	: N.A.
(ii)	Particulars of any defect at any such examination or after annealing and affecting the safe working Load and of the steps taken to remedy such defect.	: Nil
6	Repairs renewals or alterations ( if any ) required and the period within which they should be executed and Maximum safe working load subject to repairs , renewals Or alterations ( if any )	: Nil . Visually examined, Loads Tested, Found no defect affecting Safe working Load.

I/We certify that on 22 / 03 / 2018 I/We thoroughly examined the hoist , lift and lifting machine , ropes and lifting tackles & details of examination/ test carried out are enclosed herewith and that the above is a correct report of the result.

Signature

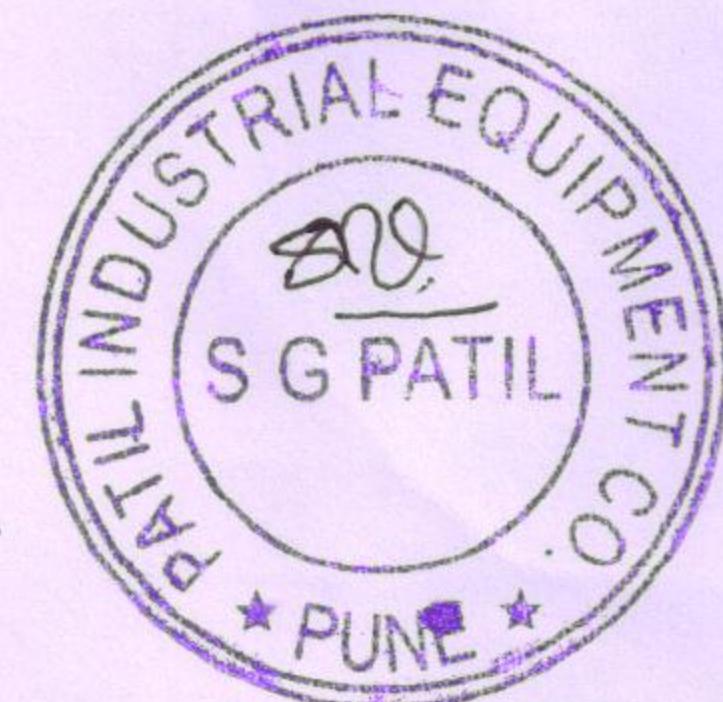
Name- S.G. PATIL.

Qualification :- B.E. ( Mech ) D.E.E , M.I.E,  
COMPETENT PERSON  
C.P.C NO- P/22/2018  
CHARTERED ENGINEER. M061452-6

Counter signature  
If employed by a company or a Association

PATIL IND EQUIP COMPANY  
Flat no- A-2, Suvarnyug Coop Hsg Soc.  
New D. P. Road, Aundh, Pune- 411007  
Phone- 020-25886155  
Mob- 94220-88626

Date- : 22 / 03 /2018  
Next testing Due Date : 21 / 03 / 2019



Received

Bagar

Pagar S-M.  
APL-TML.  
28/3/18

Ref. No. SEPL/TATA MOTORS, 02/2017-18

Date: 22/03/ 2018

Customer : TATA MOTORS, PIMPRI

Contact Person : Mr. Pagar

Mobile No. : (+91) 8237007313

P.O.No. : 9000032660

P.O. Date: 26/09/2017

Dear Sir,

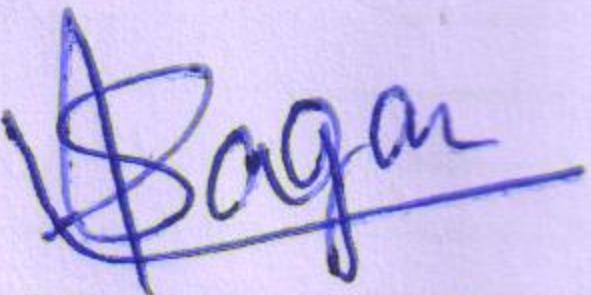
Please find the enclosed herewith Operation & Maintenance manual for 1 TON SGUS Crane.

Sr. No.	capacity	Project code	Qty.	CRANE NO.
1	1 TON	TMK030_1718	3 SET	SGUS-17-001-1410

Thanking you

Received By

For SPARKLINE EQUIPMENTS PVT. LTD.



Signature of Customer

ELECTRICAL TEST REPORT

CUSTOMER NAME	Tata Motors Ltd.			
PRODUCT	Gantry - 17 - 001 - 1410			
CRANE NO.	31-2070-812-2113			
HOIST TYPE & SR NO	31-2070-812-2113			
CAPACITY	17t			
CO NO	TMK 030 - 1718			
TESTED BY	NAME:-	Dopal Jambade	SIGN:-	P.P.

MOTOR TYPE	MPCB SLOW RATING	SET VALUE	MPCB FAST RATING	SET VALUE	REMARK
LT	1.6-2.5	2.3	1.6-2.5	2.5	
HT	1.6-2.5	2.3	1.6-2.5	2.3	
CT	1.0-1.6	1.4	1.0-1.6	1.4	

MOTOR TYPE	TRAVEL DIRECTION	RATED		MEASURED	
		NO LOAD	FULL LOAD	NO LOAD	FULL LOAD
HOIST MOTOR	UP SLOW	R 2.20	R 2.10	2.15	
		Y 2.20	Y 2.12	2.16	
		B 2.20	B 2.10	2.14	
	DOWN SLOW	R 2.20	R 2.16	2.16	
		Y 2.20	Y 2.11	2.15	
		B 2.20	B 2.10	2.12	
	UP FAST	R 4.10	R 4.60	4.65	
		Y 4.10	Y 4.62	4.68	
		B 4.10	B 4.63	4.65	
	DOWN FAST	R 4.10	R 4.60	4.68	
		Y 4.10	Y 4.63	4.65	
		B 4.10	B 4.63	4.69	

	TRAVEL DIRECTION	RATED		NO LOAD	FULL LOAD
		R	Y	R	Y
C.T. MOTOR	RIGHT SLOW	1.10	1.06	1.08	
		1.10	1.05	1.08	
		1.10	1.04	1.09	
	LEFT SLOW	1.10	1.03	1.07	
		1.10	1.04	1.08	
		1.10	1.05	1.08	
	RIGHT FAST	1.20	1.10	1.16	
		1.20	1.12	1.18	
		1.20	1.10	1.16	
	LEFT FAST	1.20	1.11	1.16	
		1.20	1.13	1.12	
		1.20	1.12	1.16	

	TRAVEL DIRECTION	RATED		NO LOAD	FULL LOAD
		R	Y	R	Y
L.T. MOTOR	FORWARD SLOW	2x1.10	2x1.0	2.15	
		2x1.10	2.11	2.16	
		2x1.10	2.12	2.16	
	REVERSE SLOW	2x1.10	2.11	2.17	
		2x1.10	2.10	2.16	
		2x1.10	2.11	2.16	
	FORWARD FAST	2x1.20	2.16	2.20	
		2x1.20	2.15	2.19	
		2x1.20	2.16	2.18	
	REVERSE FAST	2x1.20	2.18	2.19	
		2x1.20	2.16	2.18	
		2x1.20	2.17	2.19	

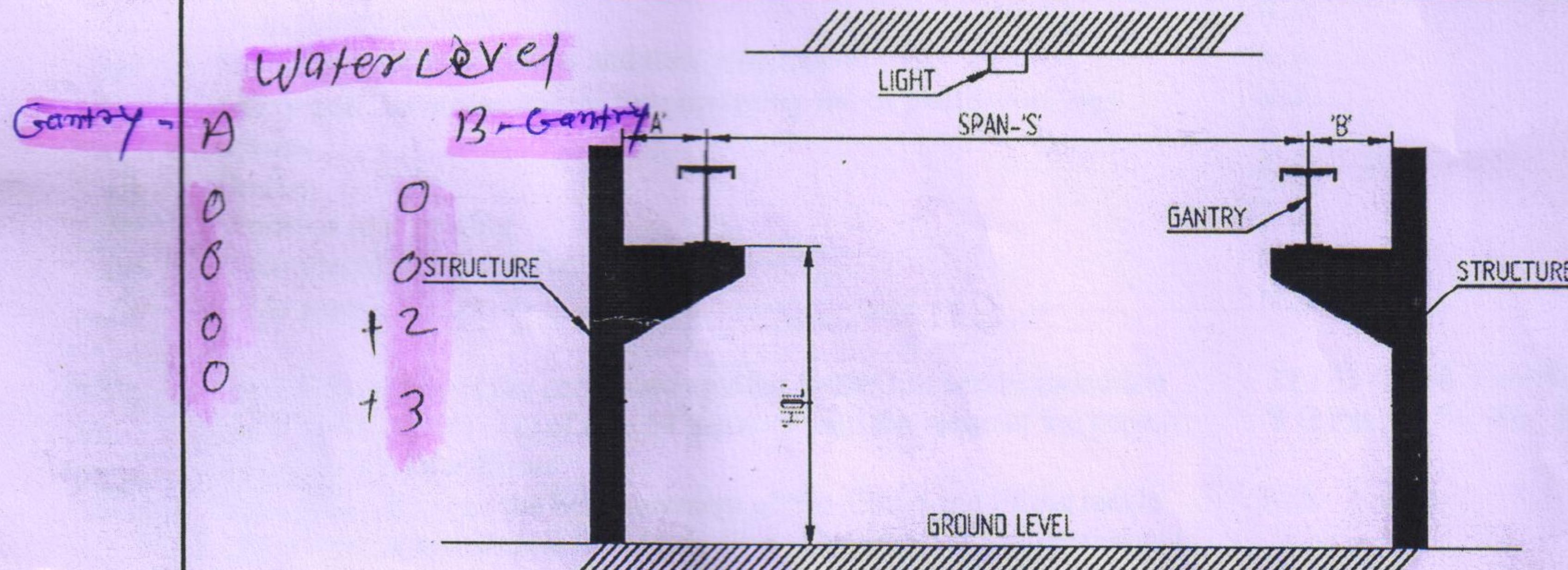
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# INSPECTION REPORT FOR EOT CRANE STRUCTURE

CUSTOMER NAME: TATA MOTORS Ltd  
TYPE OF CRANE: SGUS crane with Gantry Girder  
LOCATION: J-12 North End  
PROJECT CODE: TMK 030  
SR NO.OF CRANE: - 17 - 001 - 1410  
DATE: 22 - 03 - 2018

NOTE: ALL DIMENSIONS IN MM, TOLERANCE WITHIN  $\pm 3$  mm.

## CHECK POINTS FOR CROSS TRAVELL



## CHECK POINTS FOR LONG TRAVELL

**REMARKS:**

**SIGNATURE OF THE CUSTOMER**

NAME OF THE CUSTOMER  
~~Pagan~~ Pagar S.M.  
2213118.

SIGNATURE OF SEPI PERSON

SIGNATURE OF SEPL PERSON

(S) M M M  
Raju Kondare  
22/03/18  
220318-FMT/EOT-BI.R007

Re