



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

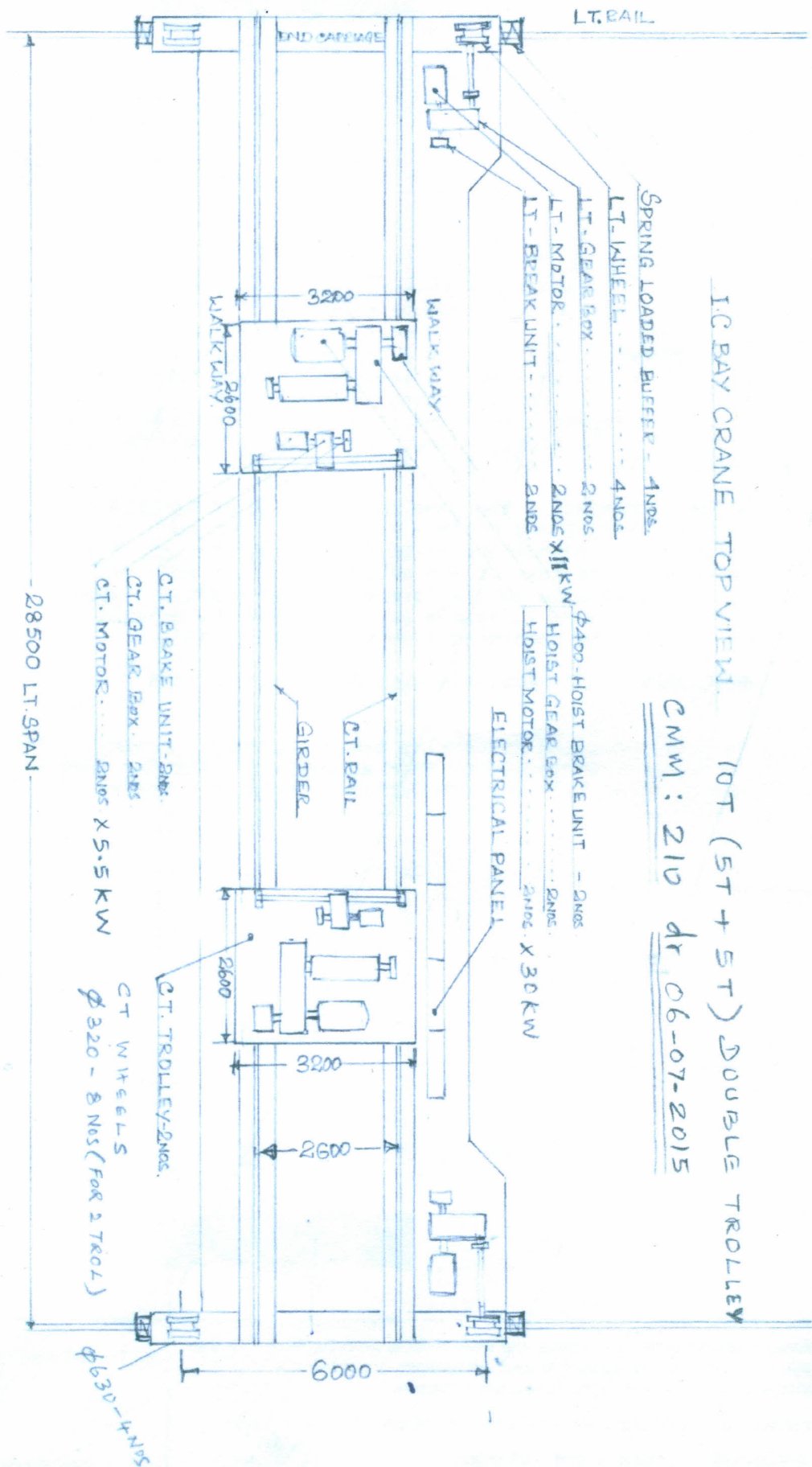
ENQUIRY – Corrigendum 1		Phone: +91 431 257 76 53 Fax : +91 431 252 07 19 Email : skaruna@bheltry.co.in Web : www.bhel.com	
TWO PART BID	Enquiry Number:	Enquiry Date:	Due date for submission of quotation:
Tender to be submitted in two Parts	2711500001	20.08.2015	21.09.2015
You are requested to quote the Enquiry number date and due date in all your correspondence. This is only a request for quotation and not an order. Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the Date of tender opening.			
Item	Description		Quantity
10	10 Ton EOT Crane as per the technical specification, general guidelines instructions & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)		4 Nos.
<u>Details of Corrigendum 1</u> The Annexure 1 containing the following drawings referred to in the BHEL Technical Specification have been enclosed with this corrigendum: 1. CMM 210 - IC BAY CRANE. 2. CMM 218- END CARRIAGE OF IC BAY CRANE. 3. CMM 211- AB BAY CRANE. 4. CMM 212 - END CARRIAGE OF AB BAY CRANE. 5. CMM 213 - HYDRO CRANE. 6. CMM 214 - END CARRIAGE OF HYDRO CRANE 7. CMM 215 - FINISHING AREA CRANE. 8. CMM 216 - END CARRIAGE OF FINISHING AREA CRANE. 9. CMM 217- END CLEARANCE FOR FINISHING BAY, HYDRO CRANE, ICBAY CRANE, AB BAY CRANE. 10. 3-M-02R-0011993 - WHEEL ASSY DRG. 11. CMM 219 COUPLING DIMENSION SKETCH FOR (LT, CT, HOIST) MOTORS & GEAR BOXES. The above drawings form a part of the Technical Specification document against the NIT 24014. All other Terms & Conditions and specifications published in the NIT_24014 remain unaltered.			
Tenders should reach us before 14:00 hours on the due date Tenders will be opened at 14:30 hours on the due date Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present		Yours faithfully, For BHARAT HEAVY ELECTRICALS LIMITED  Sr. Engineer / Capital Equipment / MM	

ANNEXURE – 1

- 1 CMM 210 – IC BAY CRANE
- 2 CMM 218- END CARRIAGE OF IC BAY CRANE
- 3 CMM 211 - AB BAY CRANE
- 4 CMM 212 – END CARRIAGE OF AB BAY CRANE
- 5 CMM 213 – HYDRO CRANE
- 6 CMM 214 – END CARRIAGE OF HYDRO CRANE
- 7 CMM 215 – FINISHING AREA CRANE
- 8 CMM 216 – END CARRIAGE OF FINISHING AREA CRANE
- 9 CMM 217– END CLEARANCE FOR FINISHING BAY, HYDRO CRANE,IC
BAY CRANE, AB BAY CRANE.
- 10 3-M-02R-0011993 – WHEEL ASSY DRG
- 11 CMM 219 COUPLING DIMENSION SKETCH FOR (LT, CT, HOIST)
MOTORS & GEAR BOXES

IC BAY CRANE TOP VIEW 10T (5T + 5T) DOUBLE TROLLEY

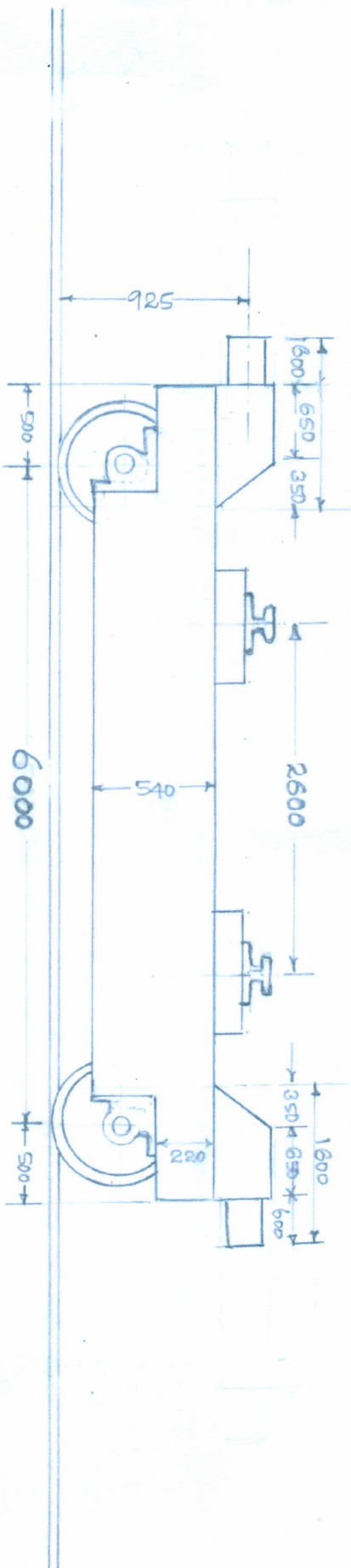
CMM: 210 dt 06-07-2015



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R. Kalaiselvan
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CMN: 0218 dt 09/7/2015



09/07/2015
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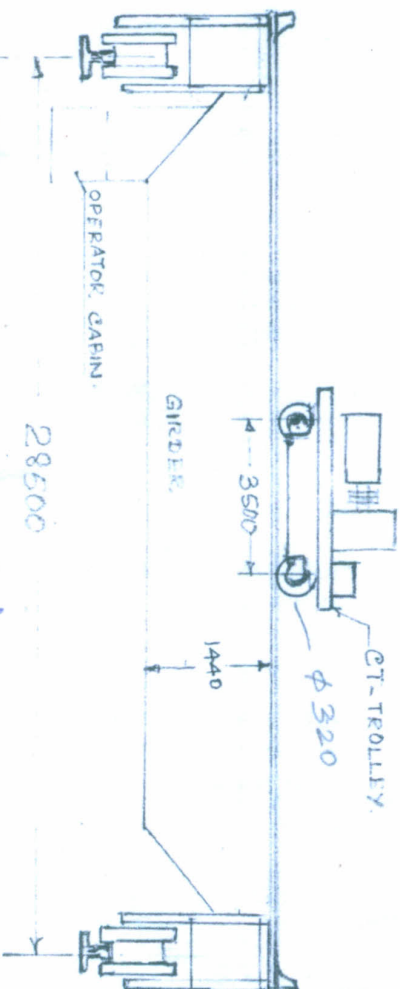
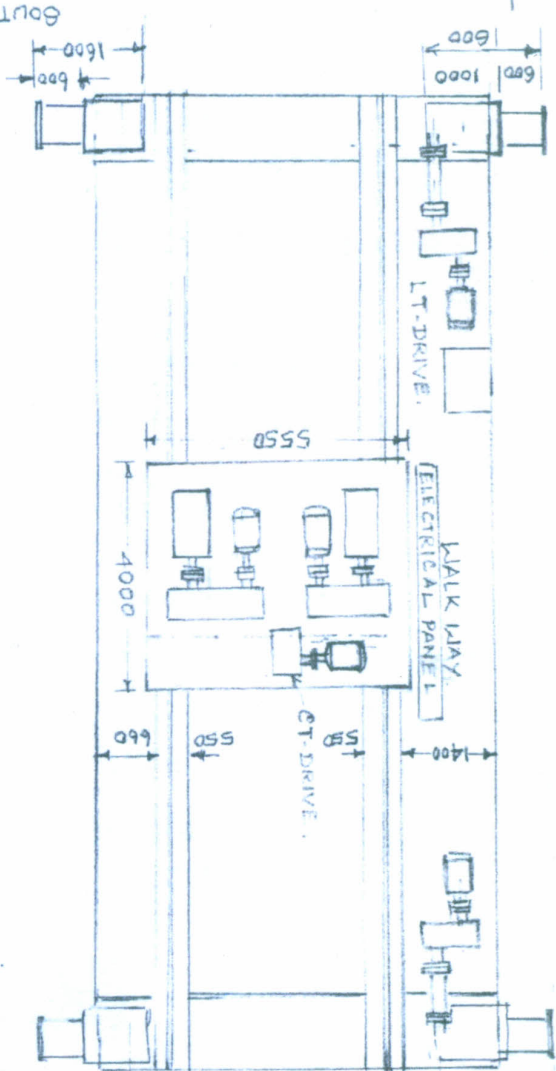
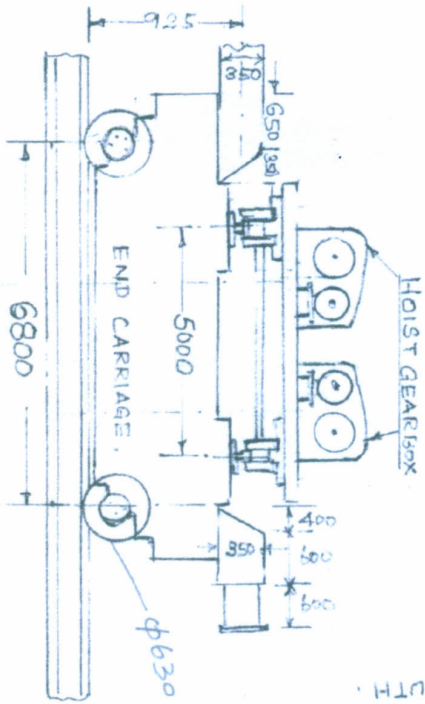
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CRANE FOR AB RAY.

5+5=10T; DOUBLE HOOK; SINGLE TROLLEY.

	HOIST	LT	CT
MOTOR	30 KM-2	11-KM-2	55 KM-1
GEAR BOX	2	2	1
BRAKE UNIT	2	2	1

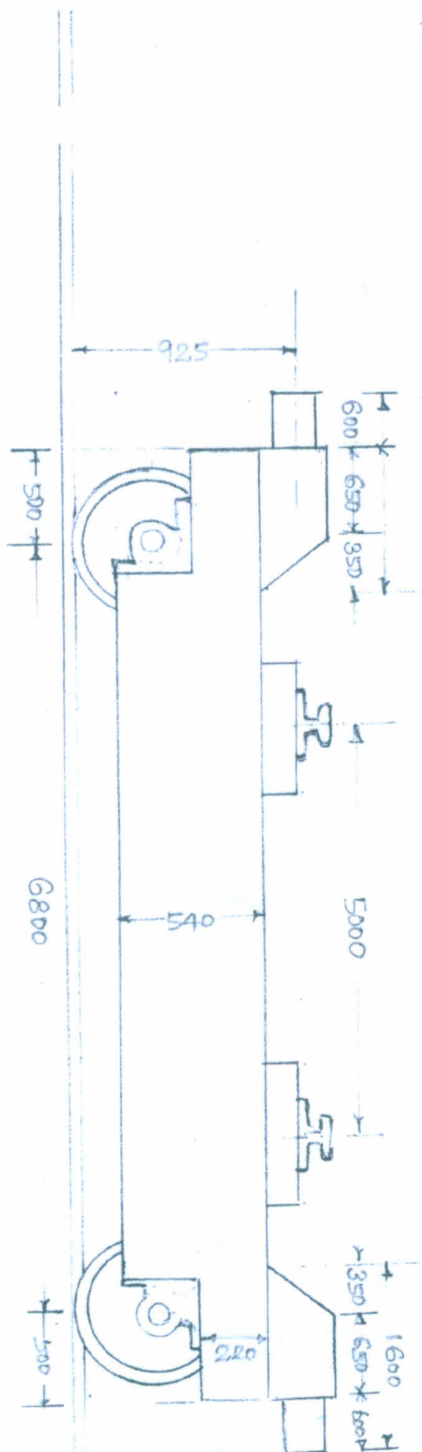
CMM : 211 dt 09.07.2015



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CMN: 212 dt 09.07.2015



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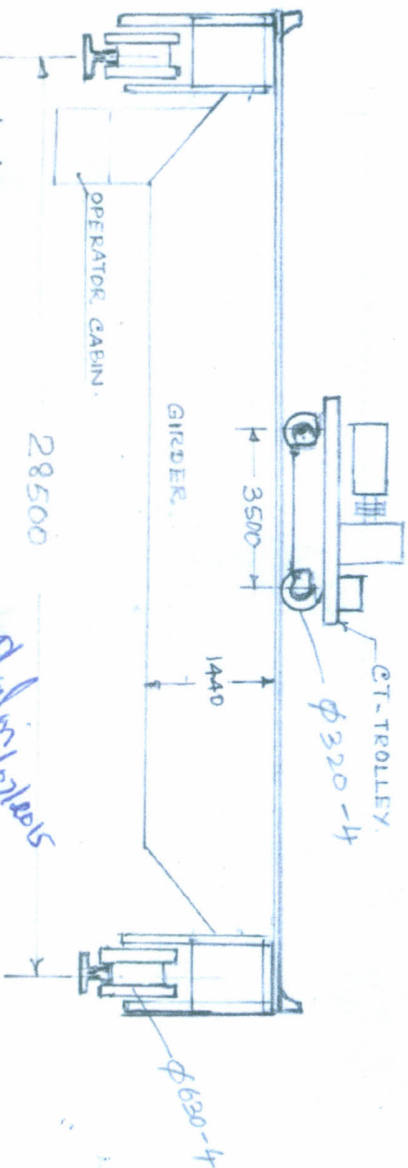
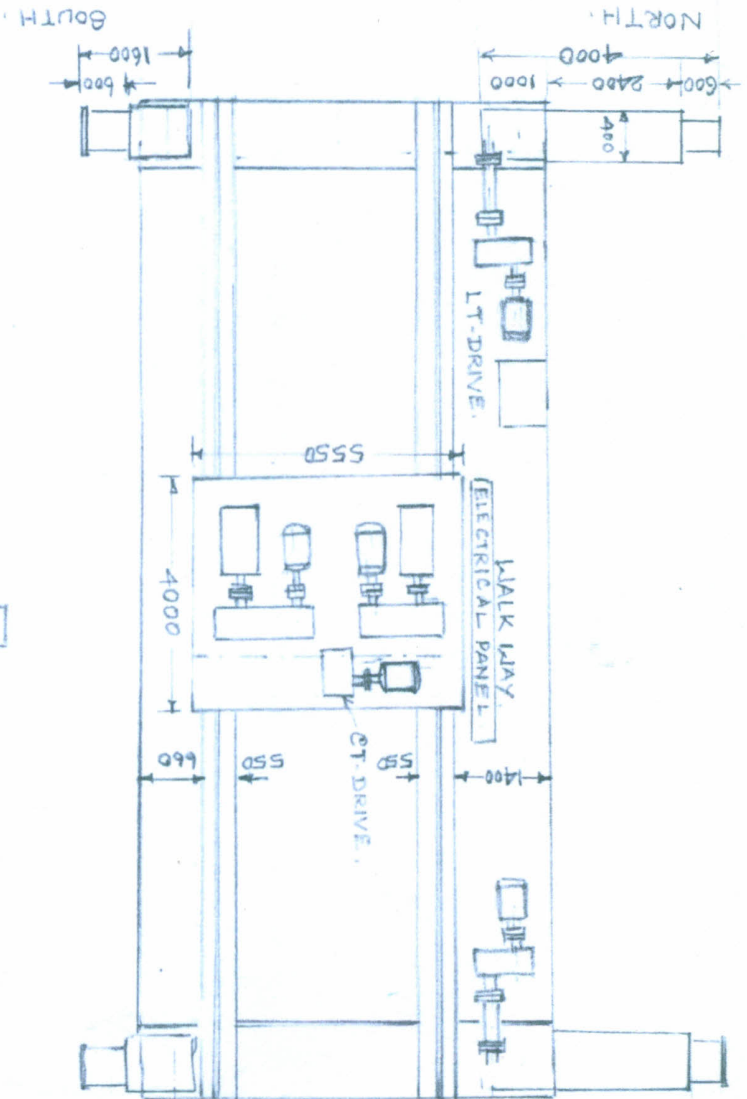
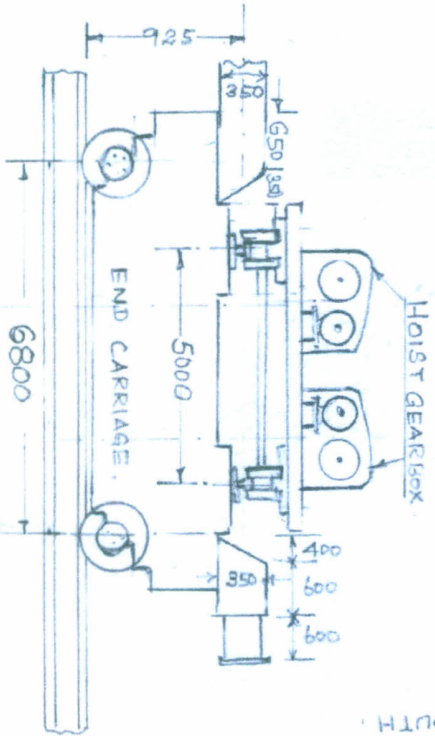
SINGLE SIDE EXTENDED BUFFER.

S+5=10T. DOUBLE HOOK, SINGLE TROLLEY.

HYDRO CRANE

	HOIST	LT	CT
MOTOR	30 KM-2	11-KM-2	55 KM-1
GEAR BOX	2	2	1
BRAKE UNIT	2	2	1

CMY: 213 dt 09.07.2015

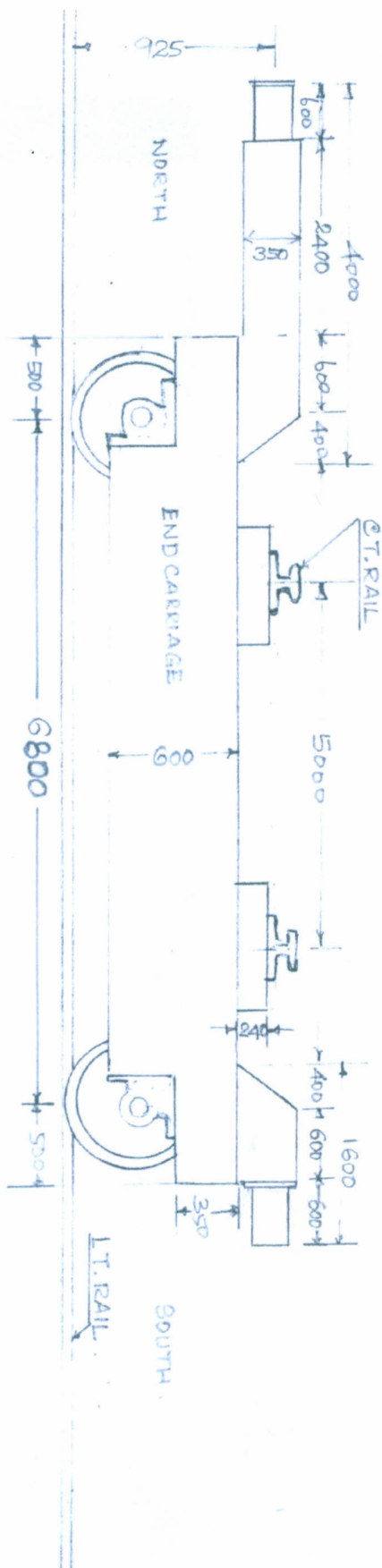


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08/07/2015

CMN: 214 dt 09.07.2015



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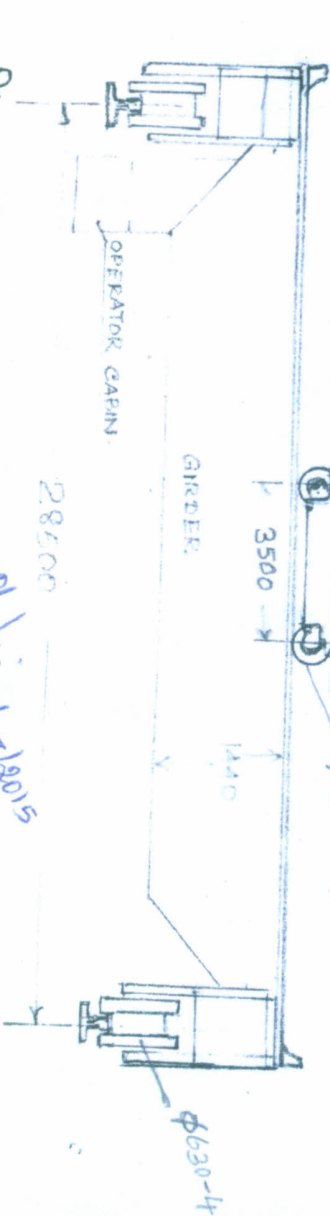
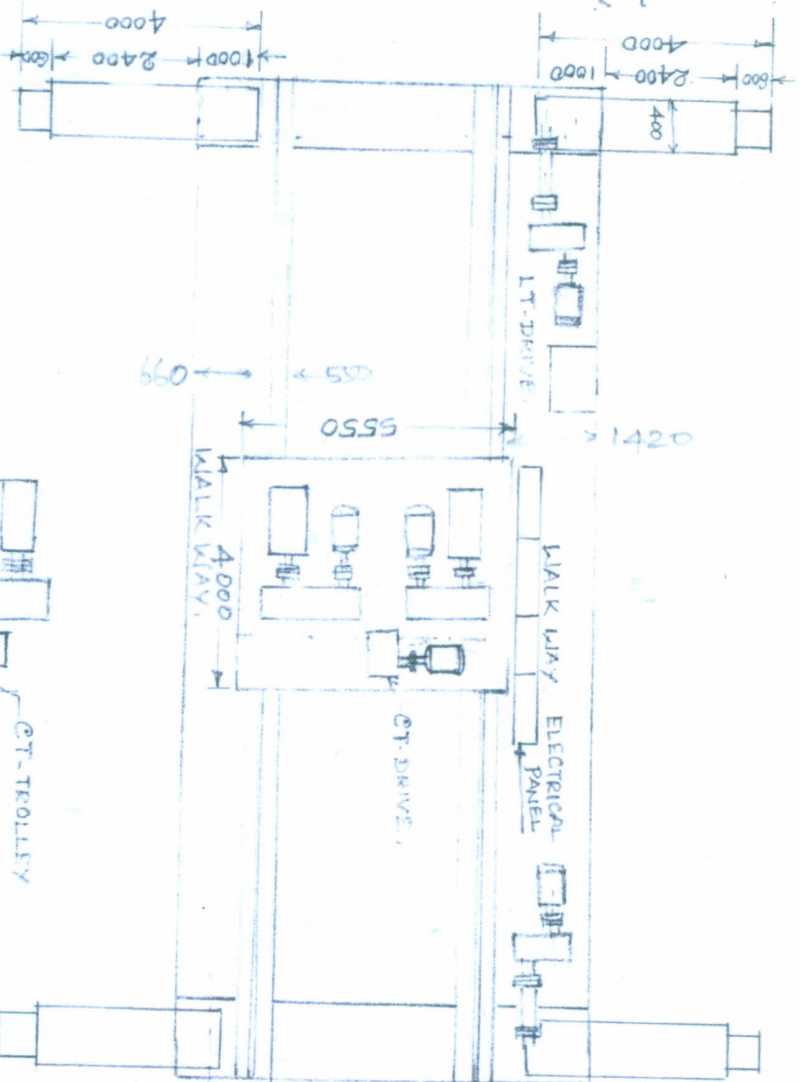
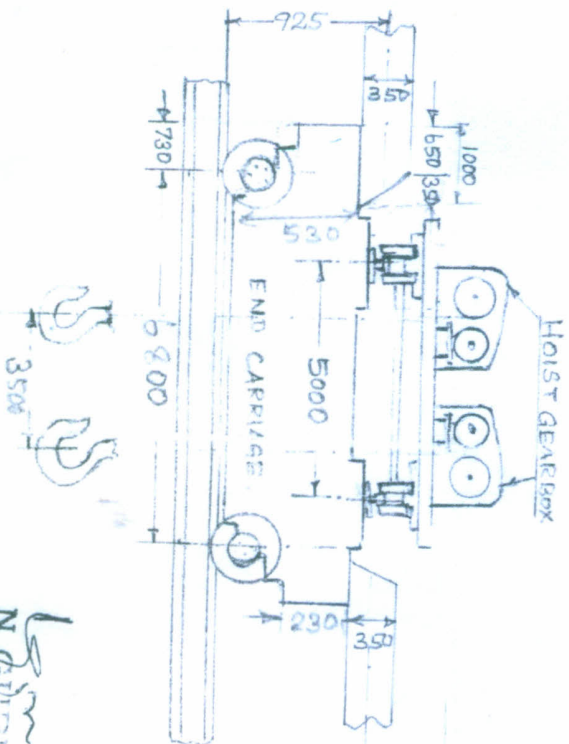
SSTP / BHEL / TRICHY - 620 074

FINISHING AREA CRANE BOTH SIDE EXTENDED BUFFERS

5+5=10T-DOUBLE HOOK, SINGLE TROLLEY.

	HOIST.	LT	CT
MOTOR	30-KW-2	11-KW-2	55-KW-1
GEARBOX	2	2	1
BRAKE UNIT	2	2	1

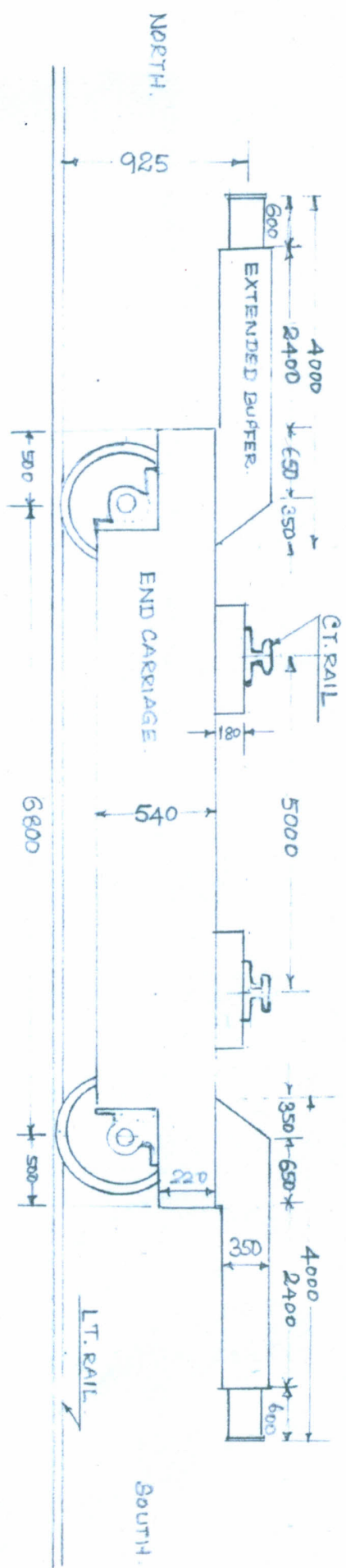
CMM: 215 dt 09.07.2015



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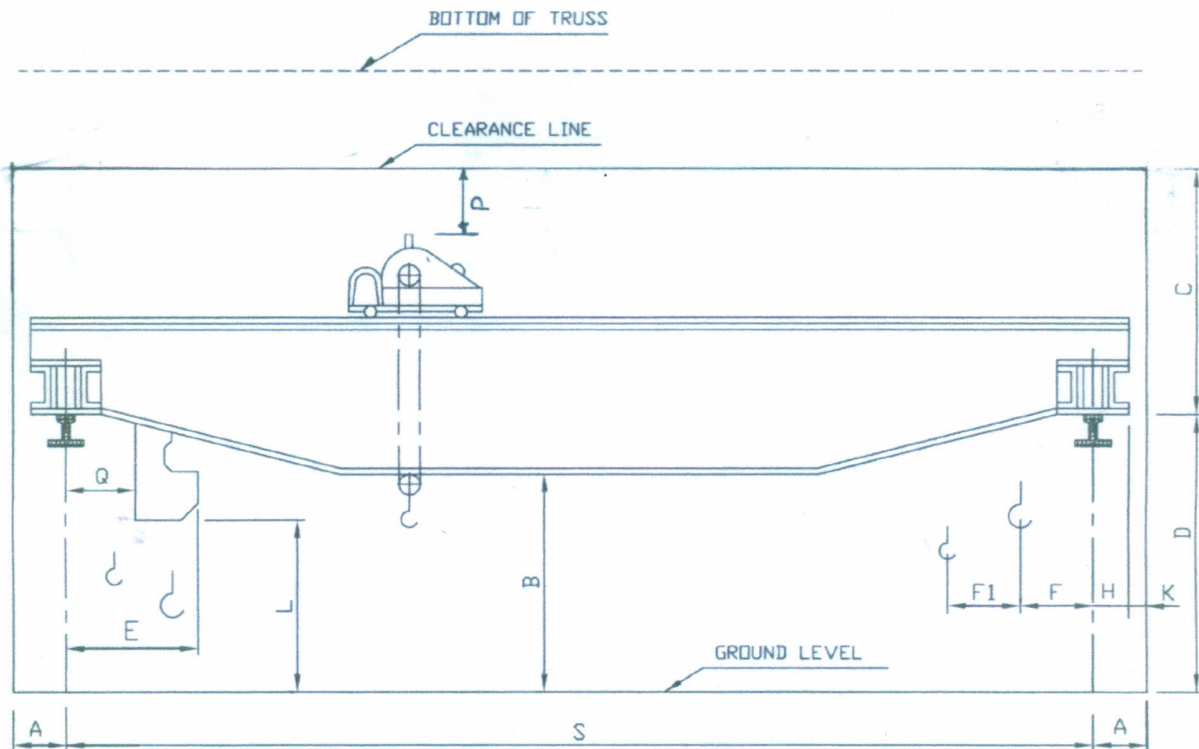
FINISHING AREA CRANE END CARRIAGE WITH EXTENDED BUFFERS. 08/07/2015
 CMM: 216 dt 09.07.2015



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R. KALAISELVAN
 DEPUTY GENERAL MANAGER
 COLD MILL MECHANICAL MAINTENANCE
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CLEARANCE DIAGRAM FOR E.O.T. CRANE



	10Tx28650 9 M. LIFT	HYDRO/M&S 5T+5T	FINISHING 5T+5T	I.C. BAY. 5T+5T	AB. BAY 5T+5T
S	28650	28500	28500	28500	28500
D	9000	9000	9000	9000	9500
C	3000 MAX.	2860	2860	2820	3470
A	300	485	485	475	475
K	100 MIN.	250	250	250	250
T	1875	-	-	-	-
P	1250	770	610	460	890
B		7600	7430	7100	8900
L		5250	5580	5200	6600
Q		1630	1000	1000	1000
F		2400	2400	1200	2000
F1		-	-	-	-
H		185	185	175	175
E		3850	2800	3400	3200

CMM: 0217 dt 4/8/15

R. Kalaiselvan
04/08/2015

N. Gurunathan
04/08/2015
N. GURUNATHAN
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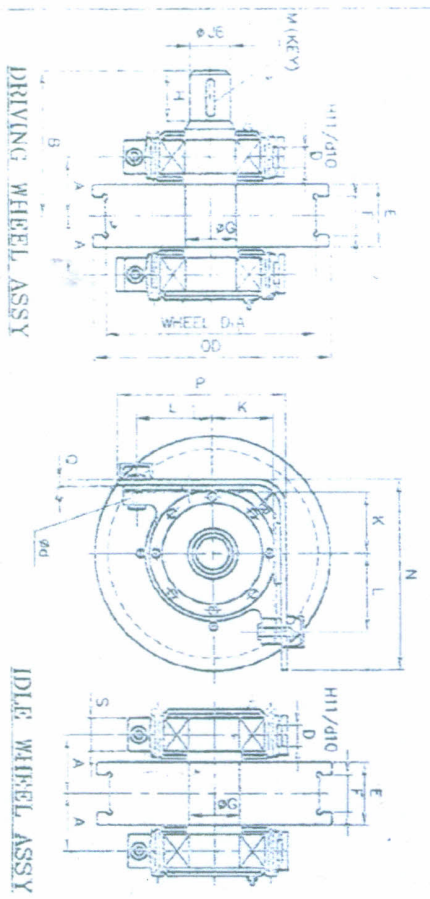
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TRICHIRAPPALLY - 620 014

ALL DIMENSIONS ARE IN MM

16	800/850	CR-100 CR-120	190	450	80	210	150	152	140	130	212	255	32	32x18x130	687	588	20	150	H0	107	22330	150x320x108	870.00
15	800/850	CR-80	164	420	80	190	110	152	125	110	212	255	32	28x16x115	687	588	20	150	B0	106	22330	150x320x108	845.00
14	710/750	CR-100 CR-120	190	450	80	210	150	152	140	130	212	255	32	32x18x130	642	588	20	150	B0	107	22330	150x320x108	808.00
13	710/750	CR-100 CR-120	180	420	71	210	150	132	125	110	190	224	32	28x16x115	607	517	20	130	B0	106	22326	130x280x108	784.00
12		CR-80	180	400	71	180	110	132	125	110	180	224	32	28x16x115	607	517	20	130	B0	106	22326	130x280x108	728.50
11	630/680	CR-80/CR-100 CR-100	180	420	71	210	150	132	125	110	180	224	32	28x16x115	567	517	20	130	B0	106	22326	130x280x108	653.00
10		CR-80 CR-100	150	365	60	180	105	111	110	90	160	190	26	25x14x100	547	462	20	120	B0	105	22322	130x280x93	611.50
9		CR-80 CR-100	160	375	60	180	125	111	110	90	160	190	26	22x14x100	482	462	20	120	B0	105	22322	110x240x80	448.00
8	500/550	CR-80	150	360	50	180	125	91	105	80	125	160	26	22x14x90	445	395	20	100	50	104	22318	110x240x80	253.00
7		CR-80 CR-100	150	360	50	180	105	91	105	80	125	160	26	22x14x90	445	395	20	100	50	104	22318	90x190x64	231.00
6	400/450	CR-80 CR-100	150	360	50	180	125	91	105	80	125	160	26	22x14x90	395	395	20	100	50	104	22318	90x190x64	243.50
5		CR-80 CR-100	145	315	40	180	105	76	85	70	112	140	22	20x12x75	375	345	16	90	50	103	22315	75x150x55	192.00
4	320/370	CR-80 CR-100	145	315	40	180	105	76	85	70	112	140	22	20x12x75	345	345	16	90	50	103	22315	75x150x55	162.00
3		CR-80 CR-100	125	260	40	125	85	61	65	55	85	112	17	16x10x55	312	287	16	80	50	102	22312	60x150x45	118.00
2	250/270	CR-80 CR-100	105	250	32	125	85	61	65	55	76	100	17	16x10x55	254	249	12	60	40	102	22312	60x150x45	83.00
1	200/23	CR-80 CR-100	97	220	32	100	67	46	55	40	71	95	17	12x8x45	239	232	12	65	40	101	45x100x36	51.00	
DIMENSIONS																							
SL. No	WHEEL DIA IN MM	RATE SIZE	A	B	D	E	F	ΦC	H	ΔJ	K	L	Δd	M (KEY)	N	P	Q	S	R	COUPLING No	SKF BRG No. & BRG. SIZE	TOTAL WEIGHT IN KG. FOR DRIVE & IDLE	

DIMENSIONS



DRIVING WHEEL ASSY

IDLE WHEEL ASSY

MATERIAL :- SHAFT - 45CB/15.4E8%
WHEEL - 55CB/15.4E8%
HEAD PORTION WHEEL HARDNESS 500 TO 550 (BHN)

DRAWING No. 3-M-02R-11993 REV. 00		TITLE STANDARD CRANE WHEEL ASSY		MACHINE CRANE WHEEL ASSY DATE 20-10-2000		REFERENCE:		DESCRIPTION:		MATERIAL:		STANDARD:		EQUIPMENT CODE: 29		EQUIPMENT CODE: 00		DRAWING No. 00		EQUIPMENT CODE: 00		EQUIPMENT CODE: 00	
CHECKED: <i>[Signature]</i> APPROVED: <i>[Signature]</i> DATE: 20-10-2000		SCALE: <i>[Signature]</i>		SCALE: <i>[Signature]</i>		SCALE: <i>[Signature]</i>		SCALE: <i>[Signature]</i>		SCALE: <i>[Signature]</i>		SCALE: <i>[Signature]</i>		SCALE: <i>[Signature]</i>		SCALE: <i>[Signature]</i>		SCALE: <i>[Signature]</i>		SCALE: <i>[Signature]</i>		SCALE: <i>[Signature]</i>	

3-M-02R-0011993

CMM: 0219 dt 02.07.2015.
IC-BAY CRANE (MOTOR TO G. BOX COUPLING
DETAILS)

M16 FIT BOLTS - 6Nos.

M - MOTOR SHAFT.
 GB - GEARBOX SHAFT.

LT
 Brake Drum Dia. 250

LONG TRAVEL
 LFG - 103

M12 ~~12~~ FIT BOLTS - 6Nos.

CT
 Brake Drum Dia. 200

CROSSTRAVEL
 LFG 101

M20 FIT BOLTS - 6Nos.

Hoist
 Brake Drum Dia. 400

HOIST.
 LFG - 105

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 02/07/2015

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R. Kalaiselvan
 02/07/15

