सत्यमेव जयते

झारखण्ड गजट

असाधारण अंक

झारखण्ड सरकार द्वारा प्रकाशित

14 कार्तिक, 1942 (श०)

संख्या- 548 राँची, गुरुवार, 5 नव बर, 2020 (ई०)

परिवहन विभाग

अधिसूचना

02 नव बर, 2020

अधिसूचना संख्या- 02/परि० वि०- 01/2020-2331-- वर्त्तमान समय में झारखण्ड राज्यान्तर्गत ट्रैक्टर-ट्रालियों का निर्माण स्थानीय निर्माताओं द्वारा बिना किसी निर्धारित मापदण्डों/अनुमोदित मॉडल के बिना ही किया जा रहा है। सक्षम स्तर से ट्रैक्टर-ट्रेलर का मॉडल अनुमोदित नहीं होने के कारण उनके पंजीयन में कतिपय परेशानियाँ आ रही है तथा कई ट्रैक्टर-ट्रेलर/ट्रालियाँ बिना मार्ग कर/अतिरिक्त कर जमा किये हुए ही व्यवसायिक वाहनों के रूप में संचालित हो रही है। ट्रैक्टर ट्रालियों के उक्त अवैध संचालन से नियमानुसार वैद्य परमिट से आच्छादित माल वाहनों के व्यवसाय पर कुप्रभाव पड़ रहा है। मोटरवाहन अधिनियम, 1988 की धारा-61(2) के अंतर्गत सभी ट्रेलर/ट्रालियों का पंजीयन आवश्यक है तथा उन्हें व्यवसायिक रूप से परिचालन करने की अनुमति नहीं है जब तक की उनके द्वारा परमिट न लिया जाय तथा कर/अतिरिक्त कर जमा न किया जाए।

उपरोक्त के सन्दर्भ में यह आवश्यक है कि स्थानीय निर्मित ट्रैक्टर-ट्रालियों के निर्माण में झारखण्ड मोटरगाड़ी नियमावली, 2001 का नियम-169 का कड़ाई से अनुपालन सुनिश्चित कराया जाए, ताकि निर्धारित मापदण्डों के साथ निर्मित ट्रेलर/ट्रालियों का नियमानुसार पंजीयन/वैद्य परमिट से आच्छादित करते हुए उनके परिचालन को नियमित किया जा सके। इस परिप्रेक्ष्य में झारखण्ड मोटर गाड़ी नियमावली के नियम-169, केन्द्रीय मोटरयान नियमावली, 1989

के नियम-47(C), नियम-93 एवं मोटरयान अधिनियम, 1988 की धारा-110 के आलोक में स्थानीय निर्मित ट्रैक्टर-ट्रोली/टैंकर (Max. Speed 25KM/H-30KM/H) के संदर्भ में अन्य राज्यों यथा आन्ध्र प्रदेश, तेलंगाना, गुजरात, महाराष्ट्र, मध्यप्रदेश, राजस्थान, पश्चिम बंगाल एवं कर्नाटक सरकार द्वारा अधिस्थापित नियमों, AIS 112, AIS 113 में अंकित मानकों तथा अन्य राज्यों से उपलब्ध स्थानीय निर्मित ट्रैक्टर-ट्रोली/टैंकर के अनुमोदित डिजाईन को आधार मानते हुए झारखण्ड राज्यान्तर्गत स्थानीय निर्माताओं द्वारा निर्माण किये जाने वाले कुल पाँच (05) ट्रैक्टर-ट्रोली/टैंकर का डिजाईन, उक्त नियमों एवं सुरक्षा मानकों को ध्यान में रखकर, परिवहन विभाग की तकनीकी टीम (मोटरयान निरीक्षक) द्वारा तैयार किया गया है, जिसका विस्तृत ड्राइंग Jharkhand Government Tool Room, Tatisilway, Ranchi द्वारा CAD के माध्यम से रेखांकित (रेखाबद्ध) किया गया है। तैयार डिजाईन के मॉडल नि नवत है :-

		Model Code
1.	2W Single Axle 5T Tipping Type Tractor-Trolley (Max. Speed 25KM/H-30KM/H)	**A**
2.	2W Single Axle 5T Fixed Frame Tractor-Trolley (Max. Speed 25KM/H-30KM/H)	**B**
3.	4W Double Axle 5T Fixed Frame Tractor-Trolley (Max. Speed 25KM/H-30KM/H)	**C**
4.	2W Single Axle 3T Fixed Frame Water-Tanker (Max. Speed 25KM/H-30KM/H)	**D**
5.	2W Single Axle 5T Fixed Frame Water-Tanker (Max. Speed 25KM/H-30KM/H)	**E**
6.	अन्य मॉडल जो परिवहन आयुक्त की अनुमति से स्वीकृत किए जायेंगे।	**F to Z**

<u>राज्य के सभी स्थानीय ट्रैक्टर-ट्रोली/टैंकर निर्माता जिनके द्वारा परिवहन विभाग, झारखण्ड से Trade License प्राप्त कर लिया गया हो एवं वैध हो वे उपरोक्त डिजाईन के अनुसार ही ट्रैक्टर-ट्रोली/टैंकर का निर्माण करेंगे</u>। उपरोक्त सभी (05) मॉडलों का विस्तृत Drawing एवं Specification परिशिष्ट (1) (2) (3) (4) एवं (5) के रूप में संलग्न है।

राज्य के स्थानीय ट्रैक्टर-ट्रोली/टैंकर निर्माता उपरोक्त मॉडलों के अतिरिक्त यदि अपना कोई डिजाईन परिवहन विभाग, झारखण्ड से अनुमोदित कराना चाहते है, तो परिवहन विभाग द्वारा निर्धारित शुल्क के साथ नि न शर्त्तों का अनुपालन करते हुए अपना डिजाईन जाँच हेतु आवेदन परिवहन विभाग को तीन (03) प्रति में समर्पित कर सकते है :-

1- विहित प्रपत्र में Full Specifications,
2- Drawing giving all dimensions and details,
3- Set of design calculations :-
   (a) Axle
   (b) Suspension and spring
   (c) Hinge and its pin
   (d) Long bearers
   (e) Cross bearers
   (f) Platform tank or anything that may be carried on the cross bearers
   (g) Tow bars
   (h) Turn table
   (i) Hand brake system with layout
   (j) Service brake system with layout
   (k) Lightening/ electrical system with layout
   (l) Fitment of retro-reflective tape
   (m) Fitment of RUPD confirming IS 14812:2015 and SUPD confirming IS14682:2004

परिवहन विभाग के तकनीकी समिति द्वारा प्राप्त डिजाईन की जाँच की जाएगी तथा विहित नियमों के अनुसार पाये जाने पर परिवहन आयुक्त, झारखण्ड के अनुमोदनोपरांत Approved Model (F to Z) के अनुसार निर्माण करने की स्वीकृति दी जाएगी।

सभी पंजीयन अधिकारी (जिला परिवहन पदाधिकारी) जिनके समक्ष ट्रैक्टर-ट्रालियाँ/ट्रेलर पंजीयन हेतु आती है, उनके चेचिस पर स्थानीय ट्रैक्टर-ट्रेलर निर्माताओं द्वारा नि न विवरणों का उल्लेख किया जाना अनिवार्य होगा :-

1. निर्माण का वर्ष,
2. निर्माण का माह,
3. वाहन निबंधन के निमित्त जिलों के लिए आवंटित पंजीयन कोड न बर (जैसे-राँची-01, हजारीबाग-02 आदि),
4. ट्रैक्टर-ट्रेलर निर्माताओं को परिवहन विभाग (संबंधित जिला परिवहन पदाधिकारी) द्वारा आवंटित Trade License संख्या तथा मॉडल कोड (01-99 तक जैसे-07-A, 89-C)
5. Number of Axle
6. क्रमांक (सिरियल न बर)

ट्रैक्टर-ट्रेलर निर्माताओं द्वारा ट्रैक्टर-ट्रेलर की चेचिस पर उक्त विवरण खुदवाने के लिए नि न तथ्यों का उल्लेख होना आवश्यक है :-

<u>वर्ष</u> **<u>माह</u>** **<u>जिले का पंजीयन कोड संख्या</u>** **<u>Trade License संख्या एवं मॉडल/प्रोडक्ट कोड</u>** **<u>Number of Axle</u>** **<u>क्रमांक</u>**

ट्रालियों/ट्रेलरों पर खुदने वाला चेचिस न बर 15 अंकों का होगा। प्रथम दो अंक वर्ष को प्रदर्शित करेगा, अगला दो अंक उस माह को प्रदर्शित करेगा, जिसमें ट्रेलर का पंजीयन किया जा रहा है। उसके आगे दो अंक संबंधित जिले का पंजीयन कोड, उसके आगे का दो अंक तथा वर्णमाला संबंधित निर्माता का Trade License संख्या एवं मॉडल/प्रोडक्ट कोड को प्रदर्शित करेगा, उसके आगे का दो अंक Number of Axle को प्रदर्शित करेगा तथा अन्तिम चार अंक ट्रालियाँ/ट्रेलरों/टैंकर को पंजीकृत करने हेतु खोले गये रजिस्टर का क्रमांक होगा। नमूने के तौर पर नि न उदाहरण दिये जा रहे है :-

(1) 20 07 01 07-A 01 0001 [उक्त का तात्पर्य है कि माह जुलाई 2020 में राँची जिले के स्थानीय निर्माता जिनका Trade License संख्या 07 है, के द्वारा "A" Model वाले 01 Axle वाले ट्रेलर का निर्माण किया गया, जिसका क्रमांक 01 है।]

(2) 22 01 02 89-C 02 0969 [उक्त का तात्पर्य है कि माह जनवरी 2022 में हजारीबाग जिले के स्थानीय निर्माता जिनका Trade License संख्या 89 है, के द्वारा "C" Model वाले 02 Axle वाले ट्रेलर का निर्माण किया गया, जिसका क्रमांक 969 है।]

उक्त प्रक्रिया लागू करने के लिए पंजीयन अधिकारी (जिला परिवहन पदाधिकारी) द्वारा अपने जिलान्तर्गत अवस्थित स्थानीय ट्रैक्टर-ट्रैलर निर्माताओं को Trade License आवंटित किया जायेगा, जो 01 से 99 के मध्य होगा।

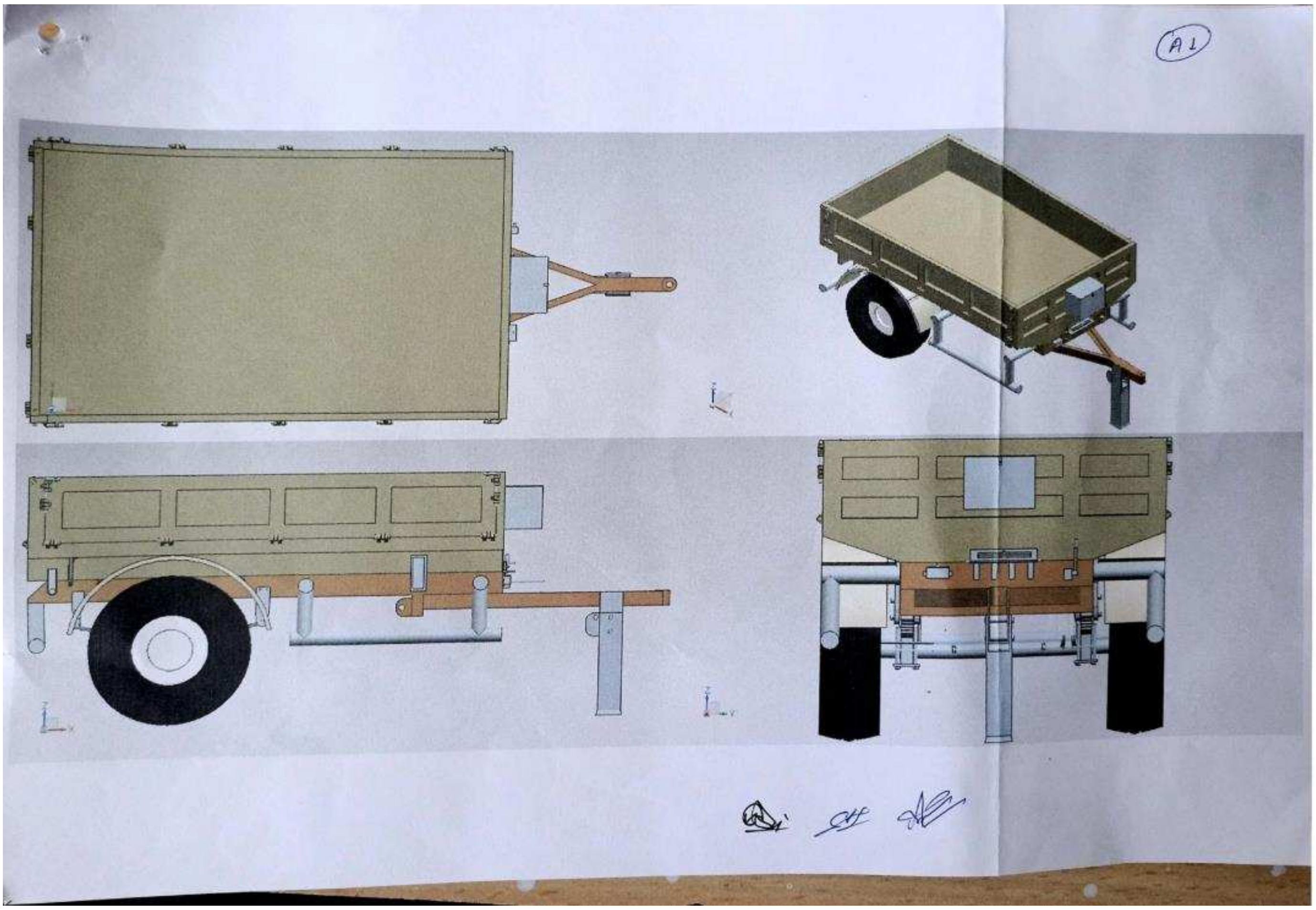
स्थानीय ट्रैक्टर-ट्रैलर निर्माताओं के द्वारा परिशिष्ट 01 से 05 में संलग्न अनुमोदित मॉडलों तथा Specification के अनुरूप ही ट्रैक्टर-ट्रैलर/टैंकर/टिपर का निर्माण किया जायेगा तथा संबंधित जिले के मोटरयान निरीक्षकों द्वारा निर्मित ट्रैलर की जाँचोंपरान्त एक प्रमाण-पत्र जारी किया जायेगा। मोटरयान निरीक्षकों द्वारा सत्यापन के फलस्वरूप संबंधित निर्माता के द्वारा उपरोक्त के अनुसार चेचिस संख्या खुदवाकर ट्रैलर की बिक्री की जायेगी तथा सभी वांछित कागजातों (मोटरयान निरीक्षक द्वारा निर्गत प्रमाण-पत्र सहित) के साथ पंजीयन हेतु पंजीयन अधिकारी (जिला परिवहन पदाधिकारी) के समक्ष आवेदन समर्पित किया जायेगा, जिसे पंजीयन अधिकारी नियमानुसार आदेश पारित करके पंजीयन की कार्यवाही पूर्ण करेंगे।

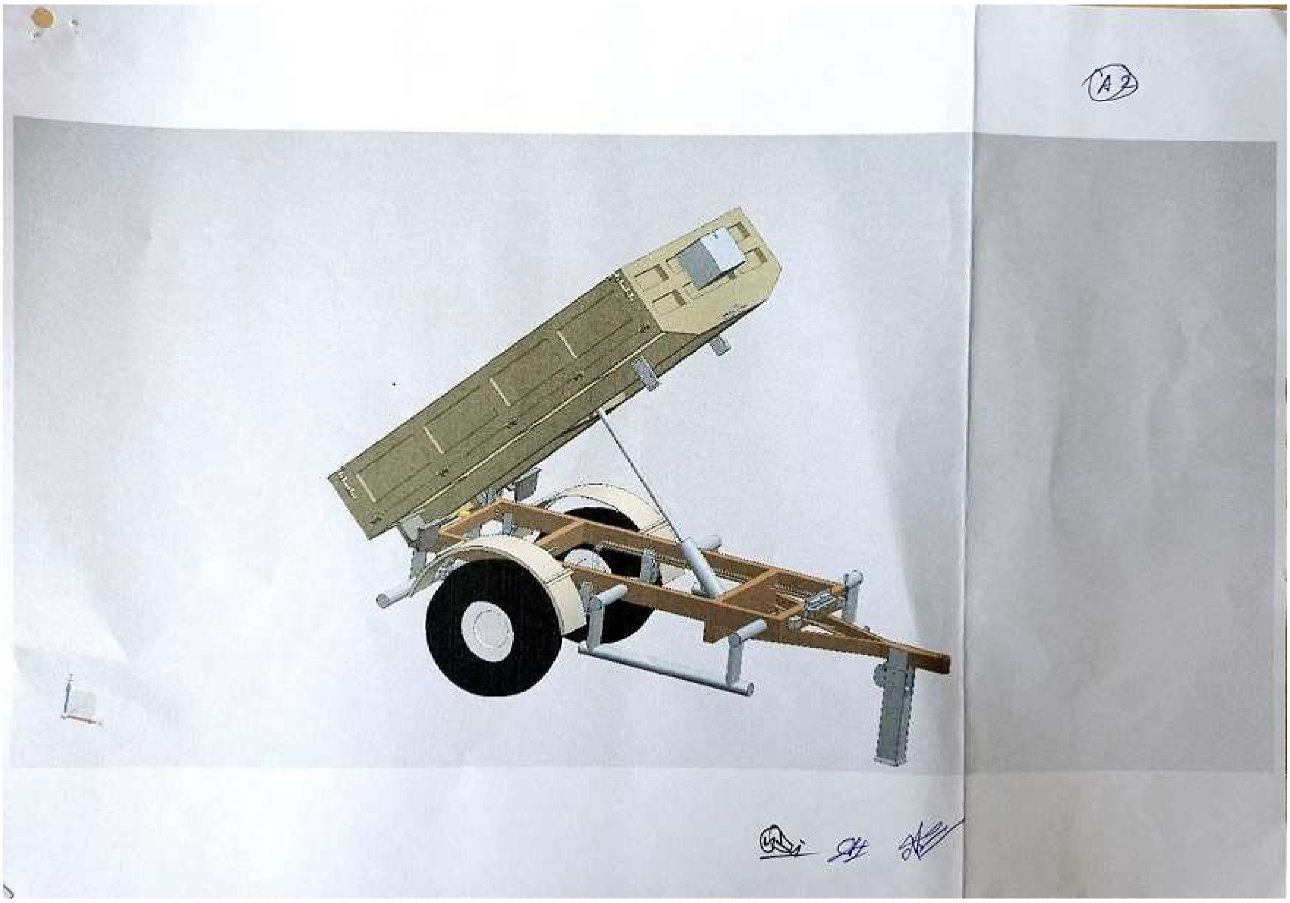
यह अधिसूचना राजकीय गजट में प्रकाशन की तिथि से प्रवृत्त होगी।

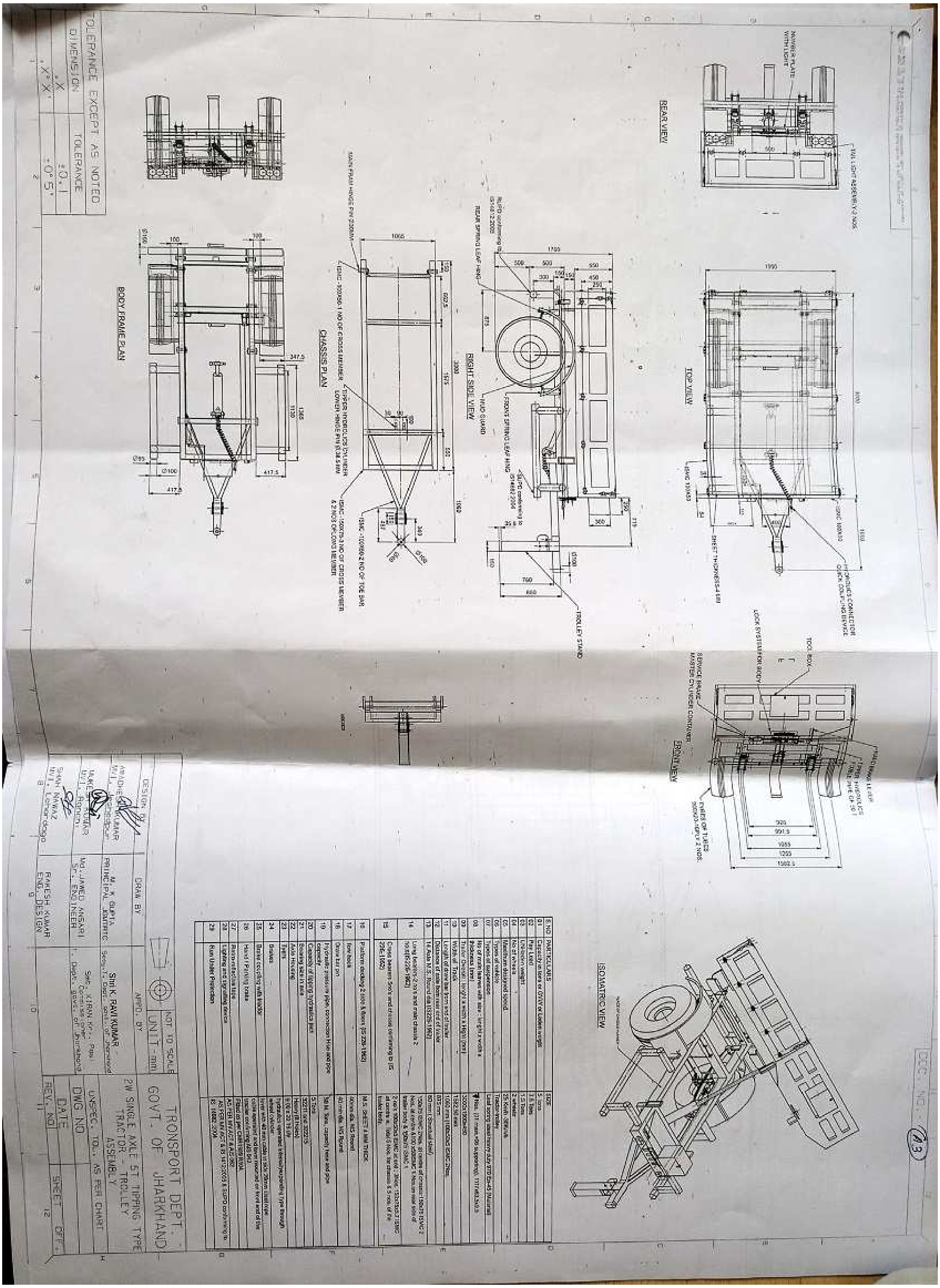
झारखण्ड राज्यपाल के आदेश से,

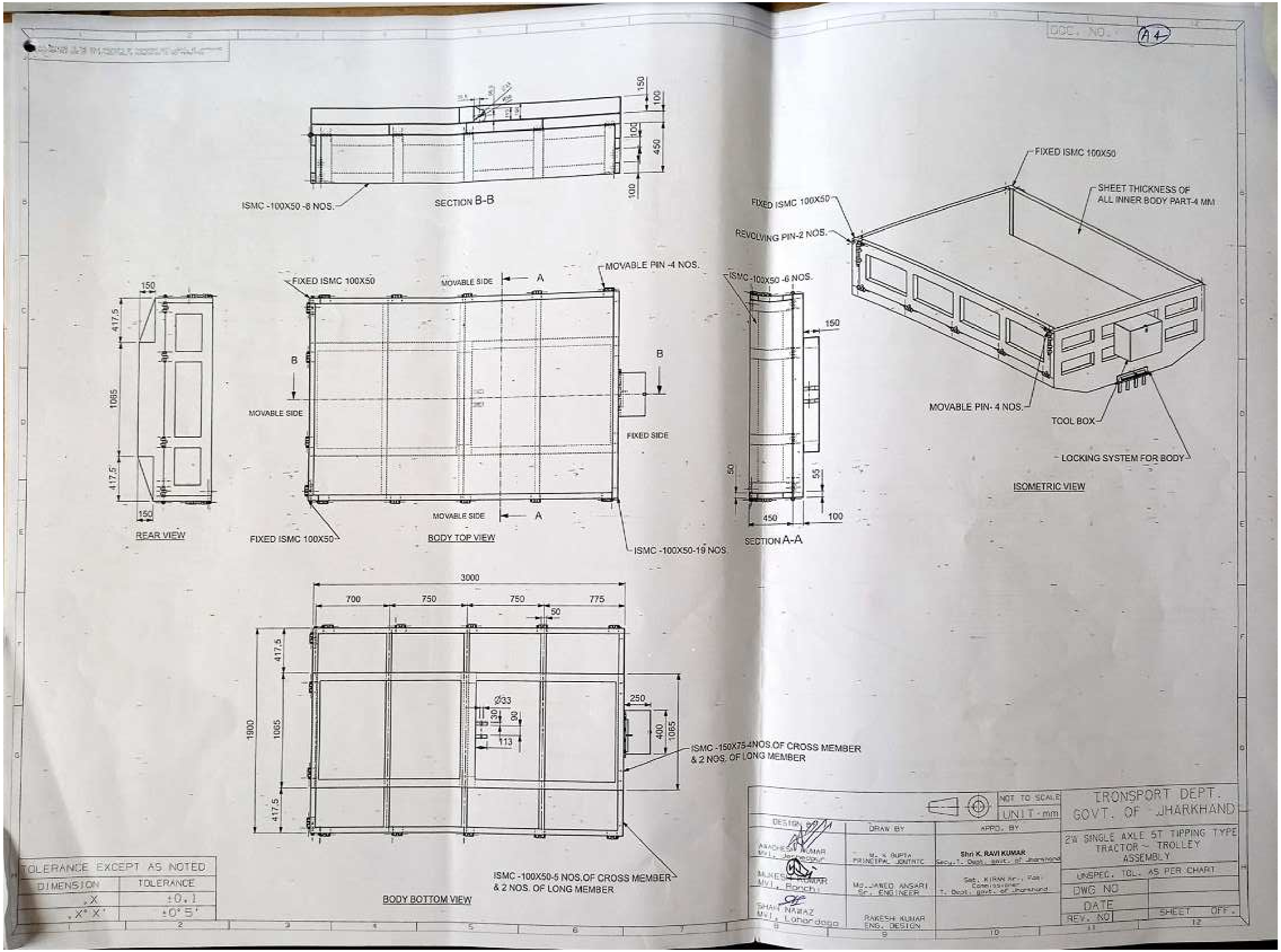
के० रवि कुमार
सचिव,
परिवहन विभाग।

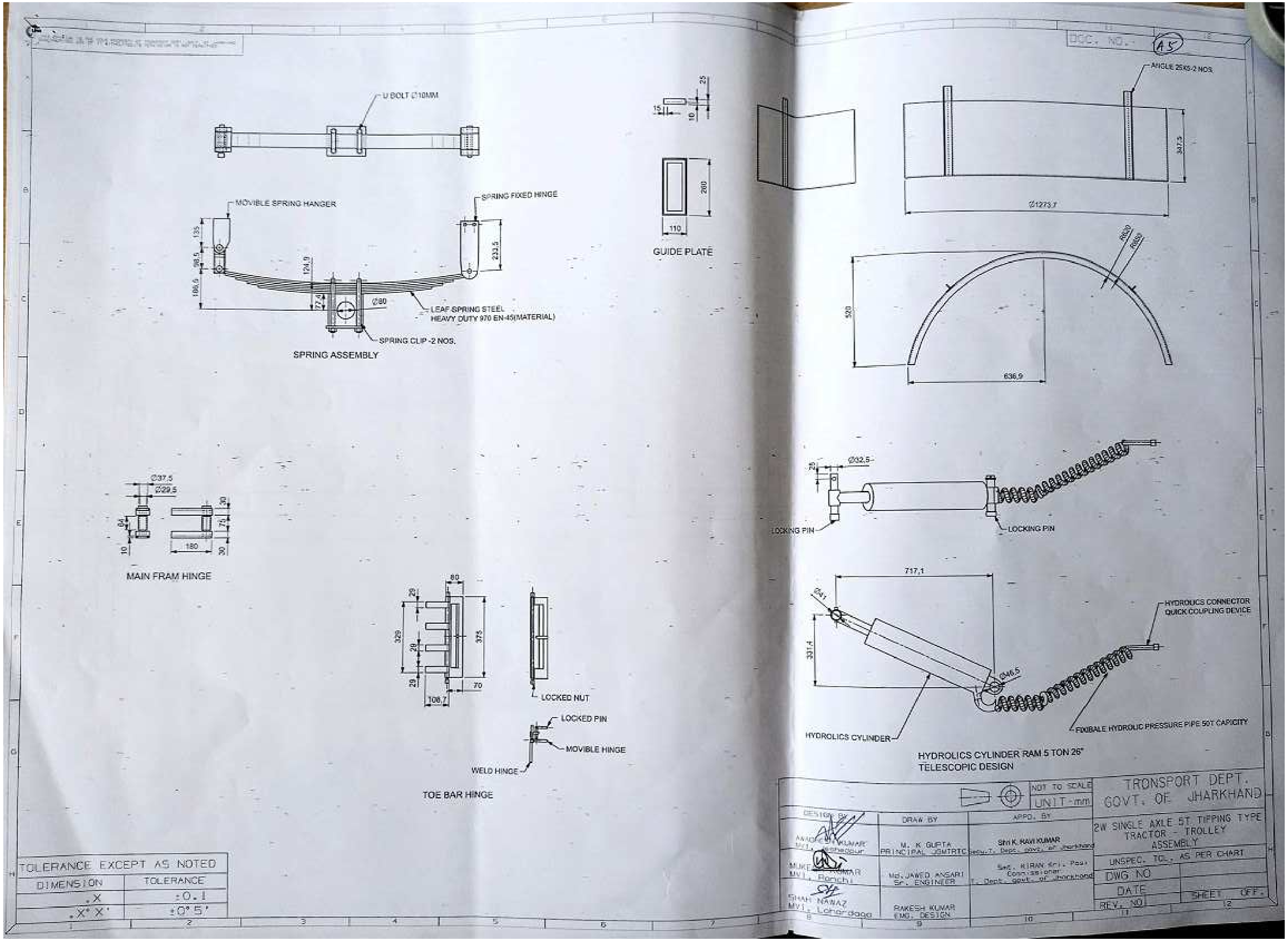
Model Code - A

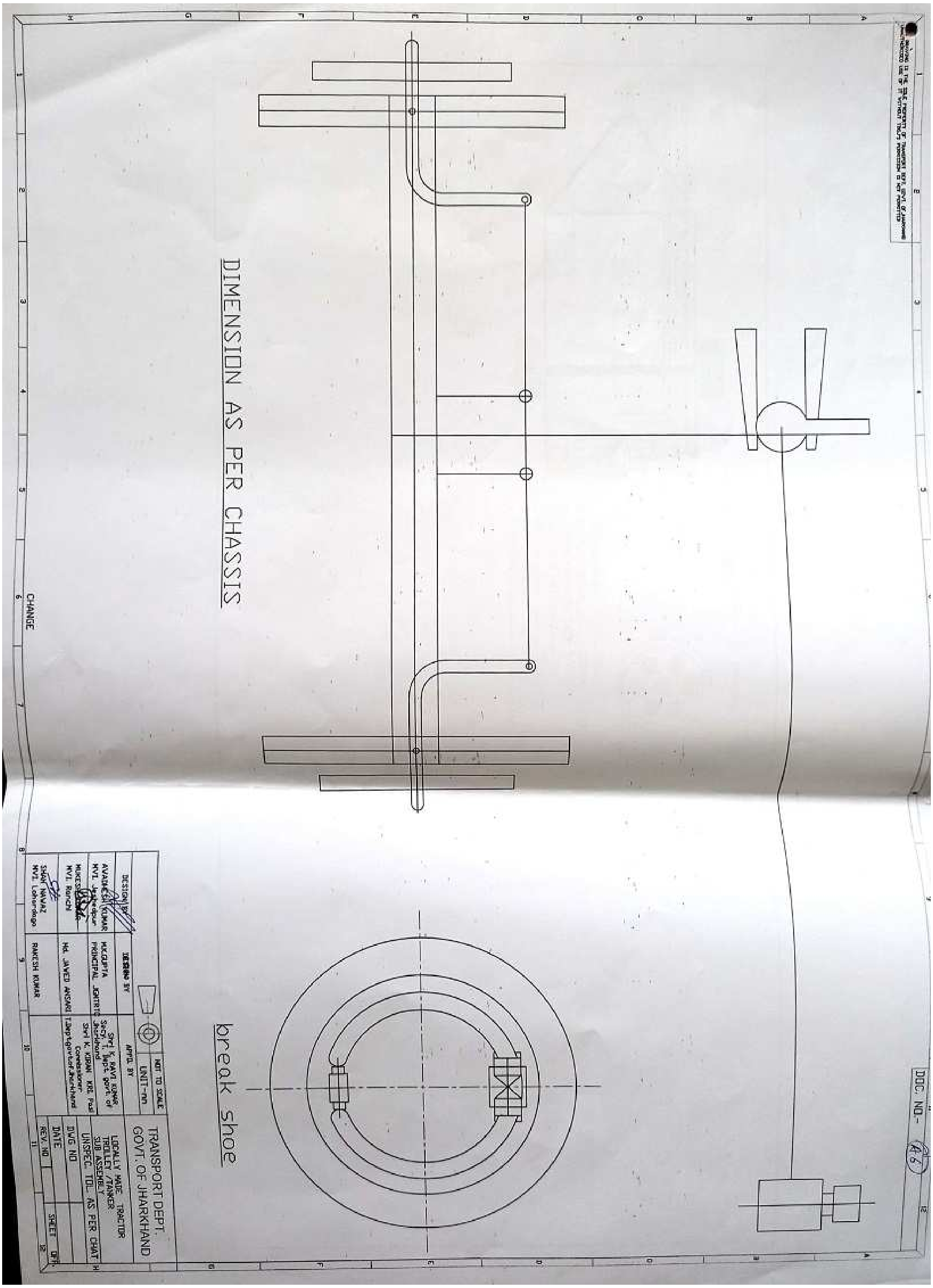


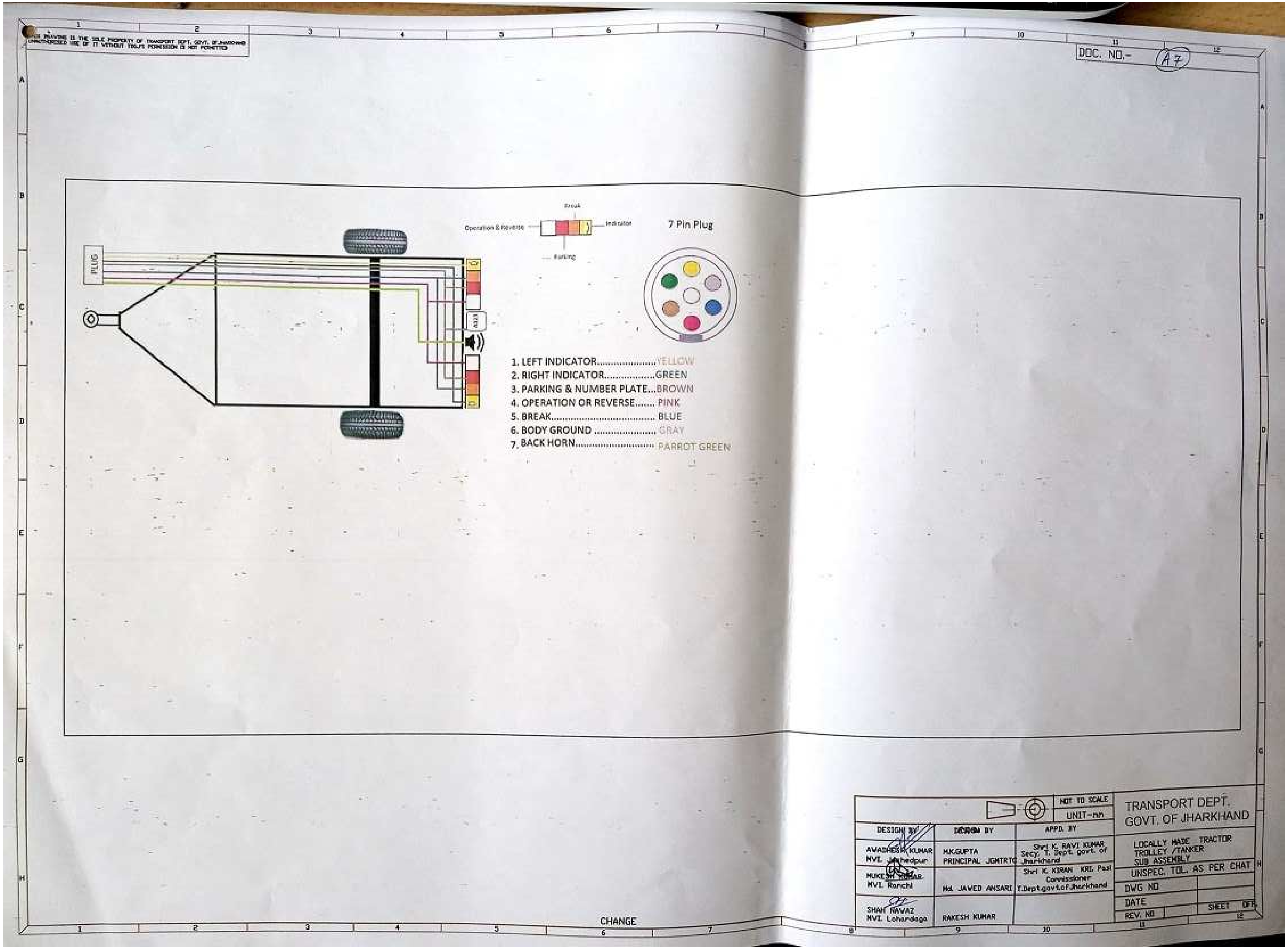



REAR VIEW
TOP VIEW
RIGHT SIDE VIEW
CHASSIS PLAN
BODY FRAME PLAN
FRONT VIEW
ISOMATRIC VIEW
TOLERANCE EXCEPT AS NOTED
TRANSPORT DEPT.
GOVT. OF JHARKHAND
2W SINGLE AXLE 5T TIPPING TYPE TRACTOR - TROLLEY ASSEMBLY

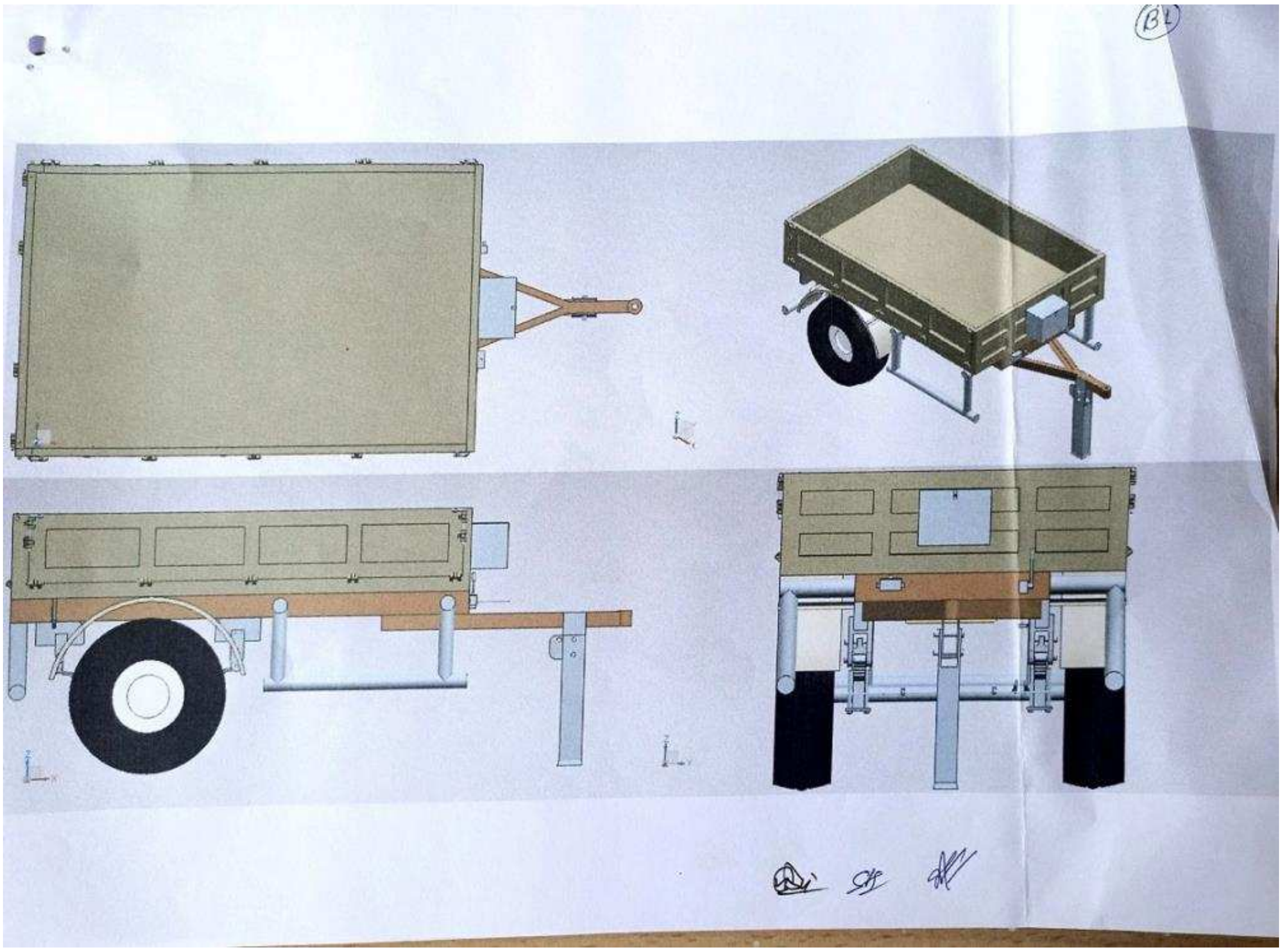

DOC. NO. A4
SECTION B-B
ISMC -100X50 -8 NOS.
FIXED ISMC 100X50
SHEET THICKNESS OF ALL INNER BODY PART-4 MM
FIXED ISMC 100X50
REVOLVING PIN-2 NOS.
MOVABLE PIN -4 NOS.
ISMC -100X50 -6 NOS.
FIXED ISMC 100X50
MOVABLE SIDE
MOVABLE SIDE
FIXED SIDE
MOVABLE SIDE
REAR VIEW
FIXED ISMC 100X50
BODY TOP VIEW
ISMC -100X50-19 NOS.
SECTION A-A
MOVABLE PIN- 4 NOS.
TOOL BOX
LOCKING SYSTEM FOR BODY
ISOMETRIC VIEW
3000
700
750
750
775
Ø33
250
ISMC -150X75-4NOS.OF CROSS MEMBER & 2 NOS. OF LONG MEMBER
ISMC -100X50-5 NOS.OF CROSS MEMBER & 2 NOS. OF LONG MEMBER
BODY BOTTOM VIEW
TOLERANCE EXCEPT AS NOTED
DIMENSION
TOLERANCE
.X
±0.1
.X° X'
±0° 5'
NOT TO SCALE
UNIT-mm
TRONSPORT DEPT.
GOVT. OF JHARKHAND
DESIGN BY
DRAW BY
APPD. BY
AWADHESH KUMAR
MVI, Jamshedpur
M. K. GUPTA
PRINCIPAL JONTMTC
Shri K. RAVI KUMAR
Secy.,T. Dept. govt. of Jharkhand
MUKESH KUMAR
MVI, Ranchi
Md. JAVED ANSARI
Sr. ENGINEER
SHAH NAWAZ
MVI, Lohardaga
RAKESH KUMAR
ENG. DESIGN
2W SINGLE AXLE 5T TIPPING TYPE TRACTOR - TROLLEY ASSEMBLY
UNSPEC. TOL. AS PER CHART
DWG NO
DATE
REV. NO
SHEET
OFF.

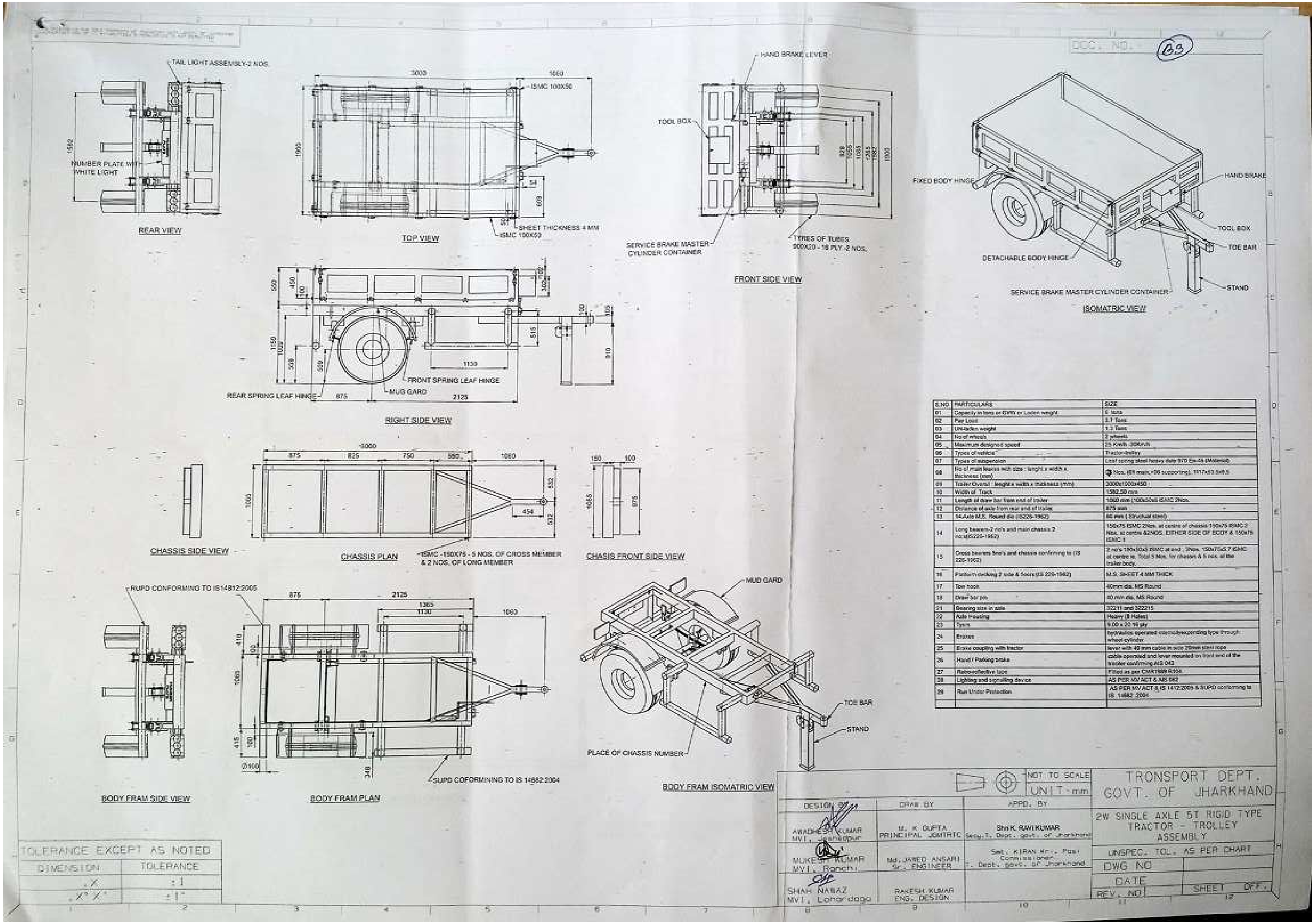

U BOLT Ø10MM
MOVIBLE SPRING HANGER
SPRING FIXED HINGE
LEAF SPRING STEEL
HEAVY DUTY 970 EN-45(MATERIAL)
SPRING CLIP -2 NOS.
SPRING ASSEMBLY
GUIDE PLATE
ANGLE 25X5-2 NOS.
MAIN FRAM HINGE
LOCKING PIN
LOCKING PIN
HYDROLICS CONNECTOR
QUICK COUPLING DEVICE
HYDROLICS CYLINDER
FIXIBALE HYDROLIC PRESSURE PIPE 50T CAPICITY
HYDROLICS CYLINDER RAM 5 TON 26"
TELESCOPIC DESIGN
LOCKED NUT
LOCKED PIN
MOVIBLE HINGE
WELD HINGE
TOE BAR HINGE
DOC. NO. A5
TOLERANCE EXCEPT AS NOTED
DIMENSION TOLERANCE
.X ±0.1
.X'X' ±0.5'
NOT TO SCALE
UNIT-mm
TRONSPORT DEPT.
GOVT. OF JHARKHAND
2W SINGLE AXLE 5T TIPPING TYPE
TRACTOR - TROLLEY
ASSEMBLY
UNSPEC. TOL. AS PER CHART
DWG NO
DATE
REV. NO
SHEET OFF
DESIGN BY
DRAW BY
APPD. BY
M. K GUPTA
PRINCIPAL JSMTRTC
Shri K. RAVI KUMAR
Md. JAWED ANSARI
Sr. ENGINEER
RAKESH KUMAR
EMG. DESIGN
SHAH NAWAZ
MVI, Lohardaga


DIMENSION AS PER CHASSIS
break shoe
DOC. NO-
CHANGE
TRANSPORT DEPT.
GOVT. OF JHARKHAND
LOCALLY MADE TRACTOR TROLLEY /TANKER SUB ASSEMBLY
UNSPEC. TOL. AS PER CHAT
NOT TO SCALE
UNIT-mm
DESIGN BY
DESIGNED BY
APPD. BY
DWG NO
DATE
REV. NO
SHEET
RAKESH KUMAR

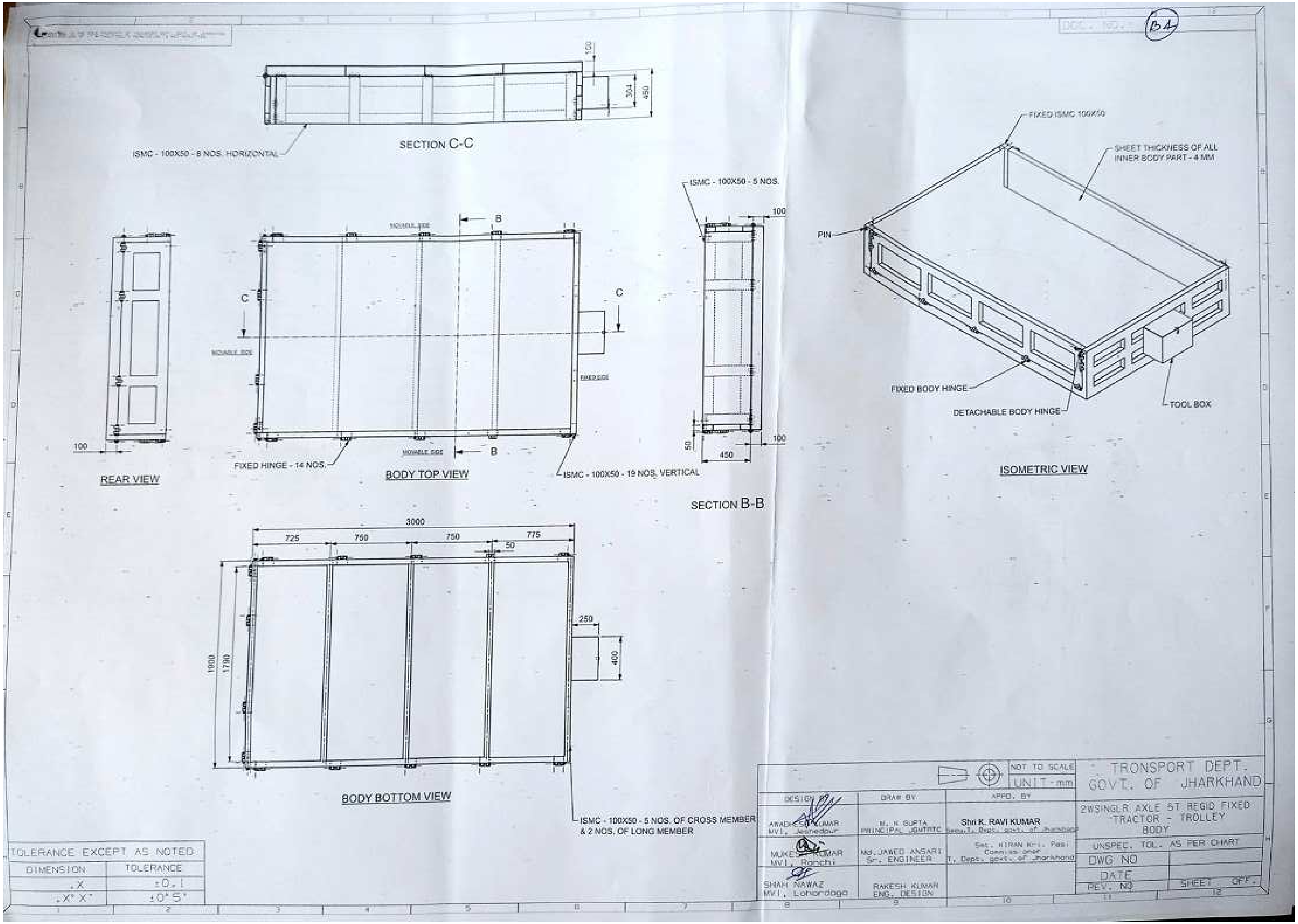

DOC. NO.- A7
PLUG
Break
Operation & Reverse
Indicator
Parking
7 Pin Plug
1. LEFT INDICATOR......................YELLOW
2. RIGHT INDICATOR..................GREEN
3. PARKING & NUMBER PLATE...BROWN
4. OPERATION OR REVERSE....... PINK
5. BREAK...................................... BLUE
6. BODY GROUND .... GRAY
7. BACK HORN............................ PARROT GREEN
NOT TO SCALE
UNIT-mm
TRANSPORT DEPT.
GOVT. OF JHARKHAND
DESIGN BY
DRAWN BY
APPD. BY
AVADHESH KUMAR
MVI J...hedpur
M.K.GUPTA
PRINCIPAL JGHTRTC
Shri K. RAVI KUMAR
Secy. T. Dept govt. of Jharkhand
LOCALLY MADE TRACTOR
TROLLEY /TANKER
SUB ASSEMBLY
MUKESH KUMAR
MVI Ranchi
Md. JAWED ANSARI
Shri K. KIRAN KRL Paal
Commissioner
T.Dept.govt.of Jharkhand
UNSPEC. TOL. AS PER CHAT
DWG NO
DATE
SHEET OF
REV. NO
SHAH NAWAZ
MVI Lohardaga
RAKESH KUMAR
CHANGE

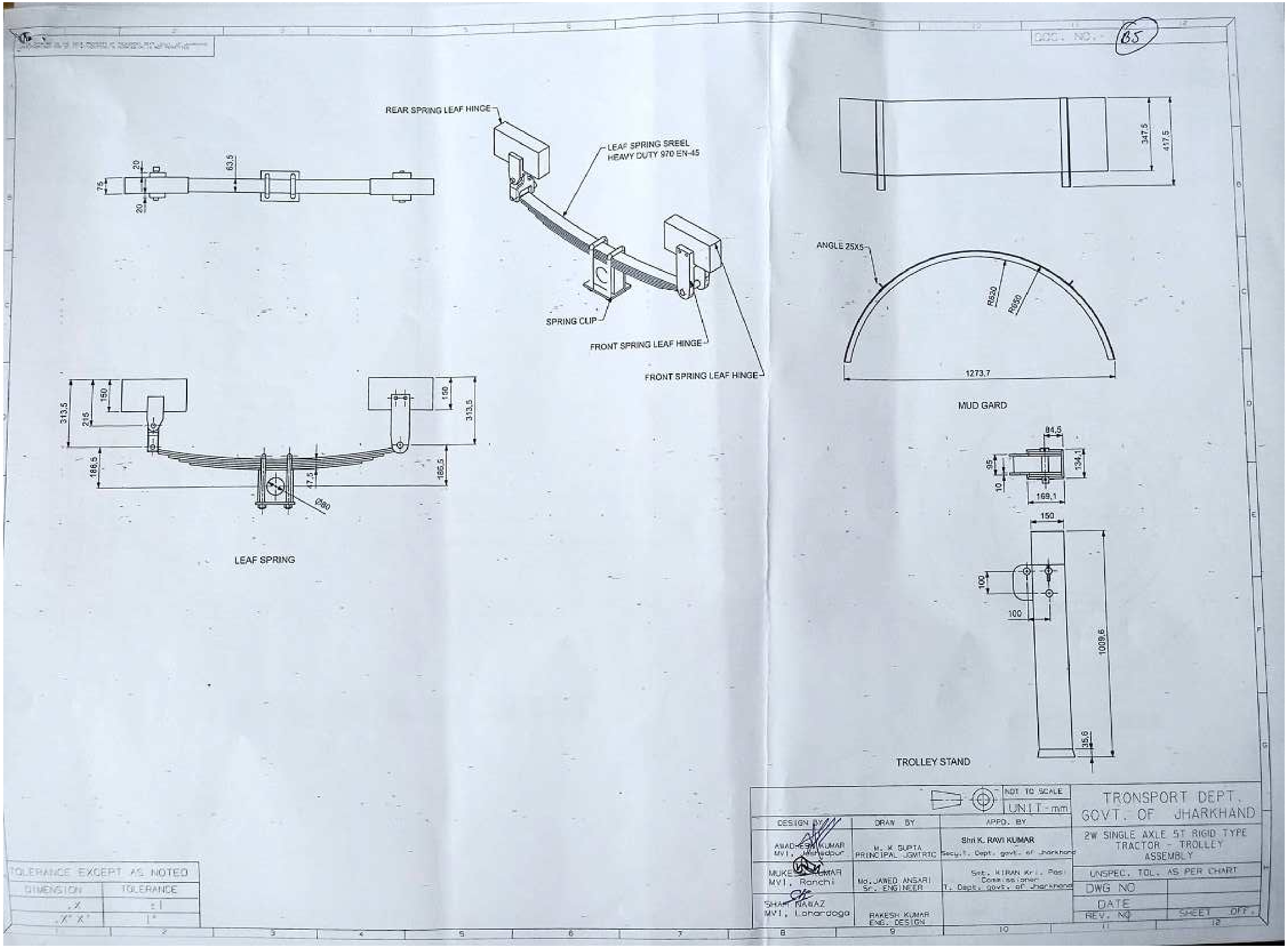
Model Code - B

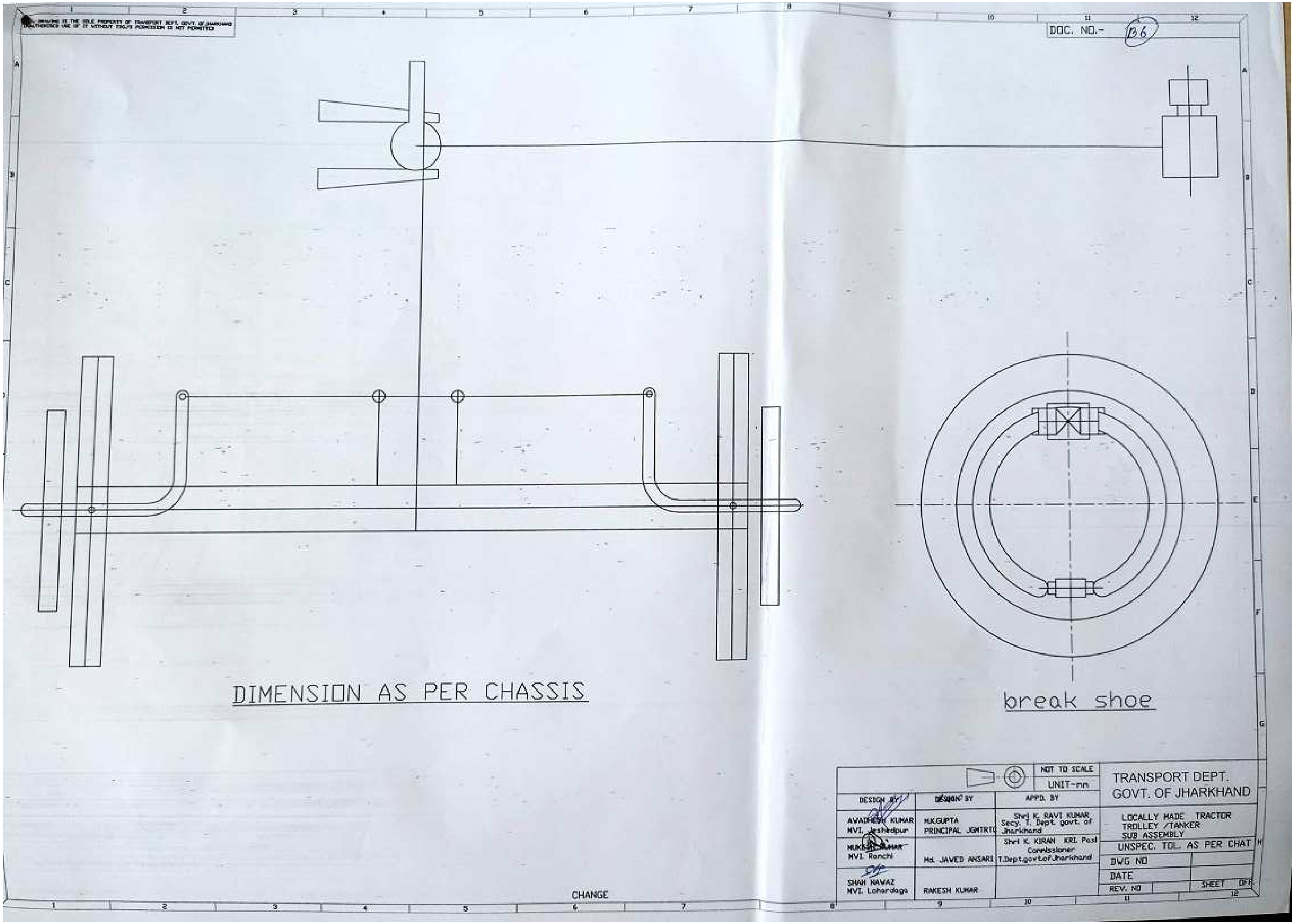


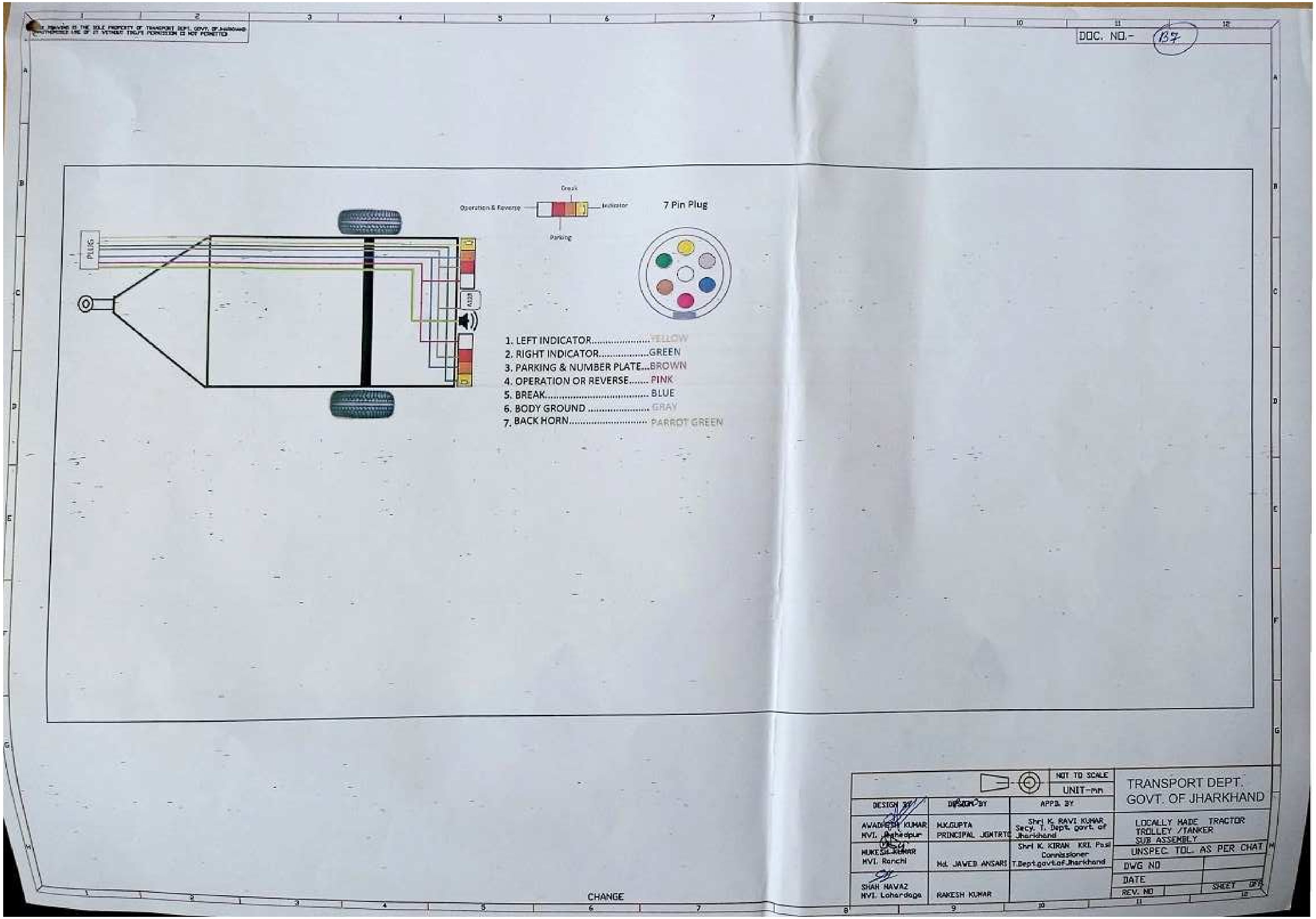


S.NO	PARTICULARS	SIZE
01	Capacity in tons or GVW or Laden weight	5 tons
02	Pay Load	3.7 Tons
03	UN-laden weight	1.3 Tons
04	No of wheels	2 wheels
05	Maximum designed speed	25 Km/h -30Km/h
06	Types of vehicle	Tractor-trolley
07	Types of suspension	Leaf spring steel heavy duty [illegible]
08	No of main leaves with size : lenght x width x thickness (mm)	9 Nos. (6 main,+03 supporting), 1117x63.5x9.5
09	Trailer Overall : lenght x width x thickness (mm)	3000x1000x450
10	Width of Track	1582.50 mm
11	Length of draw bar from end of trailer	1060 mm (100x50x5 ISMC 2Nos.
12	Distance of axle from rear end of trailer	875 mm
13	Sq.Axle M.S. Round dia (IS226-1962)	80 mm (Structural steel)
14	Long bearers-2 no's and main chassis 2 no.s(IS226-1962)	150x75 ISMC 2Nos. at centre of chassis 150x75 ISMC 2 Nos. at centre &2NOS. EITHER SIDE OF BODY & 150x75 ISMC 1
15	Cross bearers 5no's and chassis confirming to (IS 226-1962)	2 no's 150x(80x5) ISMC at end , 3Nos. 150x75x5.7 ISMC at centre ie. Total 5 Nos. for chassis & 5 nos. at the trailer body.
16	Platform decking 2 side & 5oors (IS 226-1962)	M.S. SHEET 4 MM THICK
17	Tow hook	40mm dia. MS Round
18	Draw bar pin	40 mm dia. MS Round
21	Bearing size in axle	32211 and 322215
22	Axle housing	Heavy (8 Holes)
23	Tyres	9.00 x 20 16 ply
24	Brakes	hydraulics operated internal expanding type through wheel cylinder
25	Brake coupling with tractor	lever with 40 mm cable in size 25mm steel rope
26	Hand / Parking brake	cable operated and lever mounted on front end of the trailer confirming AIS 043
27	Retroreflective tape	Fitted as per CMVR/BIS R104
28	Lighting and signalling device	AS PER MV ACT & AIS 062
29	Run Under Protection	AS PER MV ACT & IS 14812:2005 & SUPD conforming to IS 14682 2004

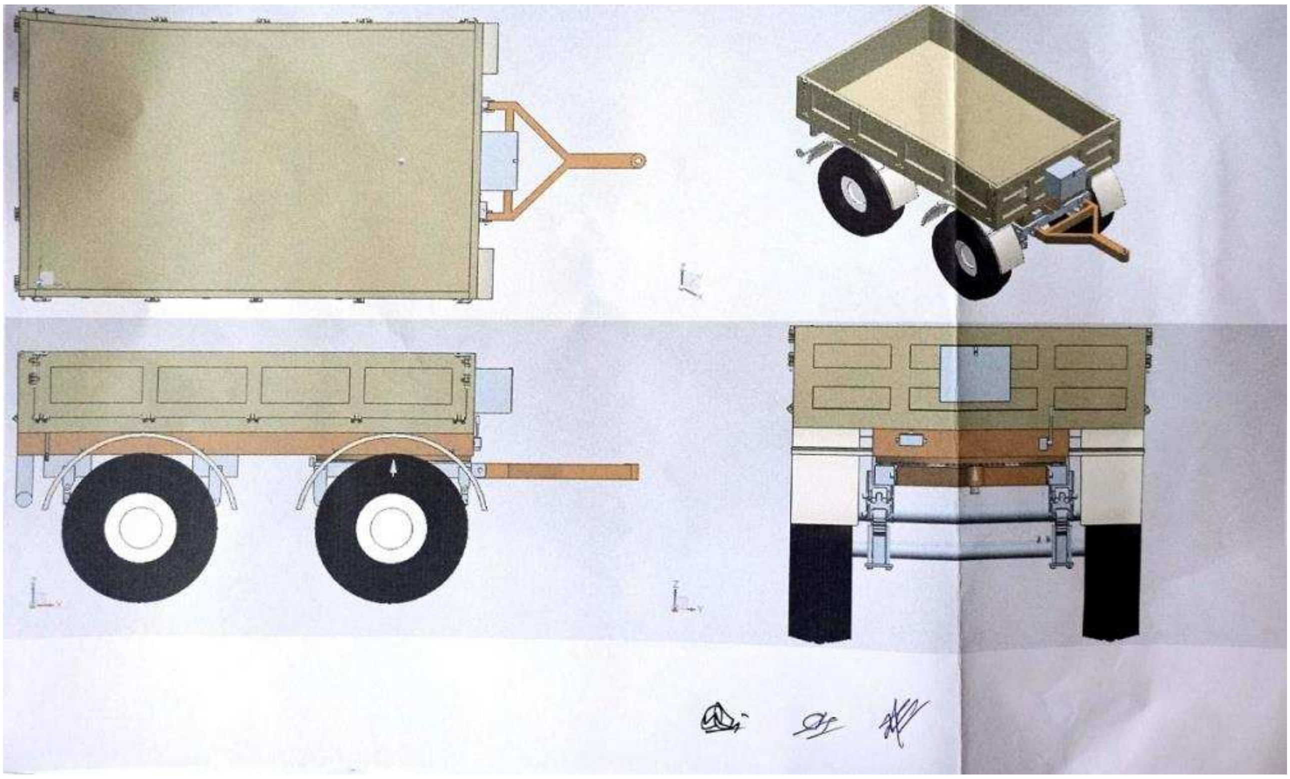

SECTION C-C
ISMC - 100X50 - 8 NOS. HORIZONTAL
ISMC - 100X50 - 5 NOS.
REAR VIEW
BODY TOP VIEW
FIXED HINGE - 14 NOS.
ISMC - 100X50 - 19 NOS. VERTICAL
SECTION B-B
FIXED ISMC 100X50
SHEET THICKNESS OF ALL INNER BODY PART - 4 MM
PIN
FIXED BODY HINGE
DETACHABLE BODY HINGE
TOOL BOX
ISOMETRIC VIEW
3000
725
750
750
775
50
250
400
1900
1790
BODY BOTTOM VIEW
ISMC - 100X50 - 5 NOS. OF CROSS MEMBER & 2 NOS. OF LONG MEMBER
TOLERANCE EXCEPT AS NOTED
DIMENSION
TOLERANCE
.X ±0.1
.X° X' ±0°5'
NOT TO SCALE
UNIT-mm
TRANSPORT DEPT.
GOVT. OF JHARKHAND
DESIGN
DRAW BY
APPD. BY
AWADHESH KUMAR MVI, Jamshedpur
M. K GUPTA PRINCIPAL, JGVTRTC
Shri K. RAVI KUMAR
MUKESH KUMAR MVI, Ranchi
Md. JAWED ANSARI Sr. ENGINEER
SHAH NAWAZ MVI, Lohardaga
RAKESH KUMAR ENG. DESIGN
2WSINGLR AXLE 5T REGID FIXED TRACTOR - TROLLEY BODY
UNSPEC. TOL. AS PER CHART
DWG NO
DATE
REV. NO
SHEET OFF


DOC. NO. - 85
REAR SPRING LEAF HINGE
LEAF SPRING SREEL HEAVY DUTY 970 EN-45
SPRING CLIP
FRONT SPRING LEAF HINGE
FRONT SPRING LEAF HINGE
LEAF SPRING
ANGLE 25X5
R620
R650
1273.7
MUD GARD
347.5
417.5
84.5
134.1
169.1
150
100
100
1009.6
35.6
TROLLEY STAND
NOT TO SCALE
UNIT - mm
TRONSPORT DEPT. GOVT. OF JHARKHAND
DESIGN BY
DRAW BY
APPD. BY
MVI, Ranchi
Md. JAWED ANSARI Sr. ENGINEER
RAKESH KUMAR ENG. DESIGN
M. K GUPTA PRINCIPAL JGWTRTC
Shri K. RAVI KUMAR
2W SINGLE AXLE 5T RIGID TYPE TRACTOR - TROLLEY ASSEMBLY
UNSPEC. TOL. AS PER CHART
DWG NO
DATE
REV. NO
SHEET
TOLERANCE EXCEPT AS NOTED
DIMENSION
TOLERANCE

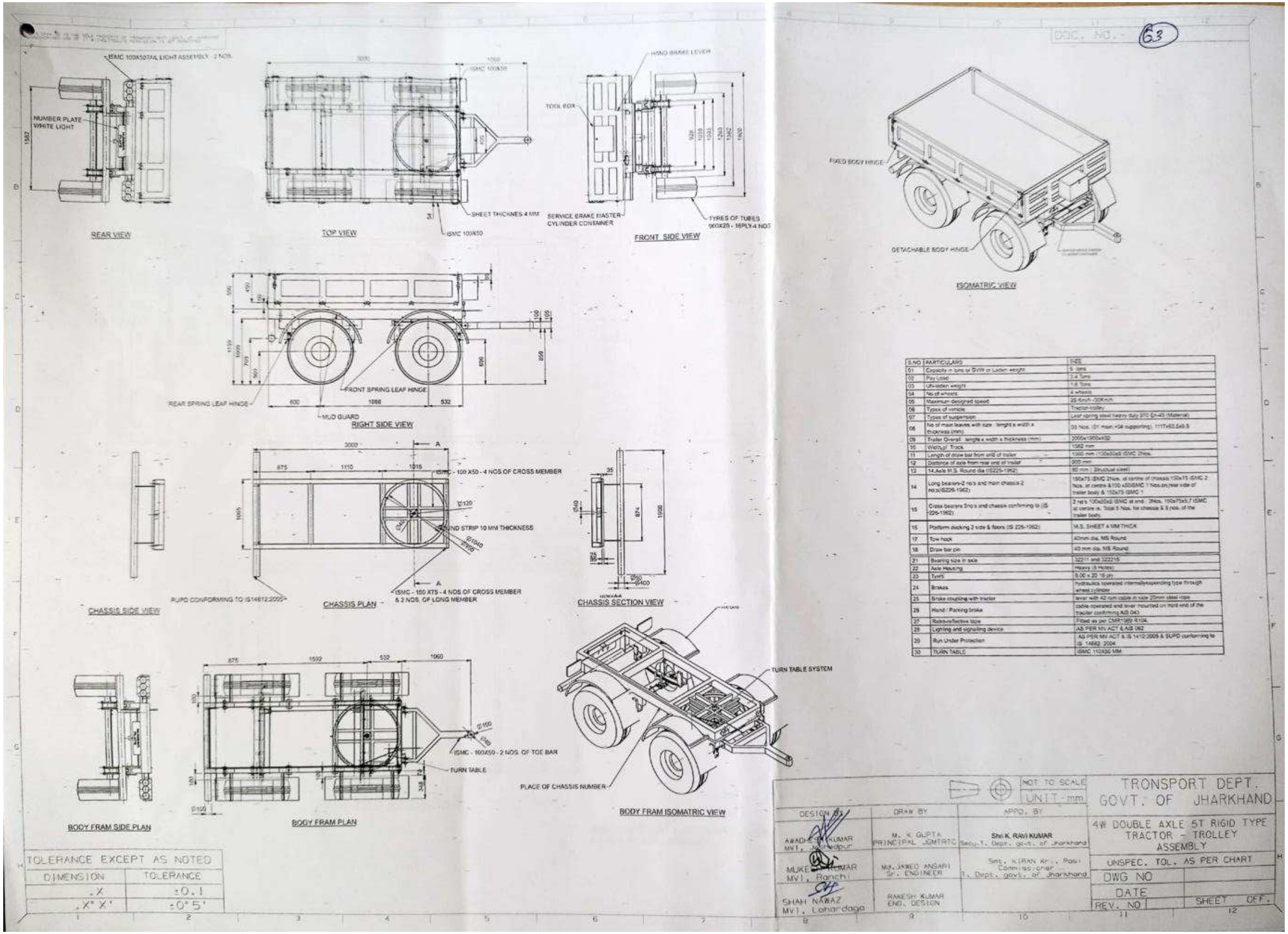

DOC. NO.- B6
DIMENSION AS PER CHASSIS
break shoe
NOT TO SCALE
UNIT-mm
TRANSPORT DEPT.
GOVT. OF JHARKHAND
DESIGN BY
APPD. BY
KUMAR
MVI, Jamshedpur
M.K.GUPTA
PRINCIPAL JGMTRTC
Shri K. RAVI KUMAR
Secy. T. Dept. govt. of Jharkhand
Shri K. KIRAN KRI. Post
Commissioner
T.Dept.govt.of Jharkhand
MVI Ranchi
Md. JAVED ANSARI
SHAH NAWAZ
MVI. Lohardaga
RAKESH KUMAR
LOCALLY MADE TRACTOR
TROLLEY /TANKER
SUB ASSEMBLY
UNSPEC. TOL. AS PER CHAT
DWG NO
DATE
REV. NO
SHEET
CHANGE


DOC. NO.- B7
Operation & Reverse
Break
Indicator
Parking
7 Pin Plug
PLUG
1. LEFT INDICATOR............YELLOW
2. RIGHT INDICATOR............GREEN
3. PARKING & NUMBER PLATE...BROWN
4. OPERATION OR REVERSE....... PINK
5. BREAK............ BLUE
6. BODY GROUND .... GRAY
7. BACK HORN............ PARROT GREEN
NOT TO SCALE
UNIT-mm
TRANSPORT DEPT.
GOVT. OF JHARKHAND
DESIGN BY
DRAWN BY
APPD. BY
AWADHESH KUMAR
MVI, Jamshedpur
M.K.GUPTA
PRINCIPAL JGMTRTC
Shri K. RAVI KUMAR
Secy. T. Dept. govt. of Jharkhand
MUKESH KUMAR
MVI, Ranchi
Md. JAWED ANSARI
Shri K. KIRAN KRI. Posi
Commissioner
T.Dept.govt.of Jharkhand
SHAH NAVAZ
MVI, Lohardaga
RAKESH KUMAR
LOCALLY MADE TRACTOR
TROLLEY /TANKER
SUB ASSEMBLY
UNSPEC. TOL. AS PER CHAT
DWG NO
DATE
REV. NO
SHEET OF
CHANGE

Model Code - C



C2



S.NO	PARTICULARS	SIZE
01	Capacity in tons or GVW or Laden weight	5 tons
02	Pay Load	3.4 Tons
03	Un-laden weight	1.6 Tons
04	No of wheels	4 wheels
05	Maximum designed speed	25 Km/h -30Km/h
06	Types of vehicle	Tractor-trolley
07	Types of suspension	Leaf spring steel heavy duty 370 En-45 (Material)
08	No of main leaves with size : lenght x width x thickness (mm)	05 Nos. (01 main +04 supporting), 1117x63.5x9.5
09	Trailer Overall : lenght x width x thickness (mm)	3000x1900x450
10	Width of Track	1582 mm
11	Length of draw bar from end of trailer	1060 mm / 100x50x5 ISMC 2Nos.
12	Distance of axle from rear end of trailer	800 mm
13	14.Axle M.S. Round dia (IS226-1962)	80 mm (Structual steel)
14	Long bearers-2 no's and main chassis 2 no's(IS226-1962)	150x75 ISMC 2Nos. at centre of chassis 150x75 ISMC 2 Nos. at centre &100 x50ISMC 1 Nos.on rear side of trailer body & 150x75 ISMC 1
15	Cross bearers 5no's and chassis confirming to (IS 226-1962)	2 no's 100x50x5 ISMC at end : 3Nos. 150x75x5.7 ISMC at centre ie. Total 5 Nos. for chassis & 5 nos. of the trailer body.
16	Platform decking 2 side & floors (IS 226-1962)	M.S. SHEET 4 MM THICK
17	Tow hook	40mm dia. MS Round
18	Draw bar pin	40 mm dia. MS Round
21	Bearing size in axle	32211 and 322215
22	Axle Housing	Heavy (8 Holes)
23	Tyres	9.00 x 20 16 ply
24	Brakes	hydraulics operated internallyexpending type through wheel cylinder
25	Brake coupling with tractor	lever with 42 mm cable in side 20mm steel rope
26	Hand / Parking brake	cable-operated and lever mounted on front end of the trailer confirming AIS 043
27	Retro-reflective tape	Fitted as per CMR1989 R104.
28	Lighting and signalling device	AS PER MV ACT & AIS 062
29	Run Under Protection	AS PER MV ACT & IS 1412:2005 & SUPD conforming to IS 14682 2004
30	TURN TABLE	ISMC 100X50 MM

TOLERANCE EXCEPT AS NOTED	
DIMENSION	TOLERANCE
.X	±0.1
.X° X'	±0°5'

NOT TO SCALE
UNIT - mm

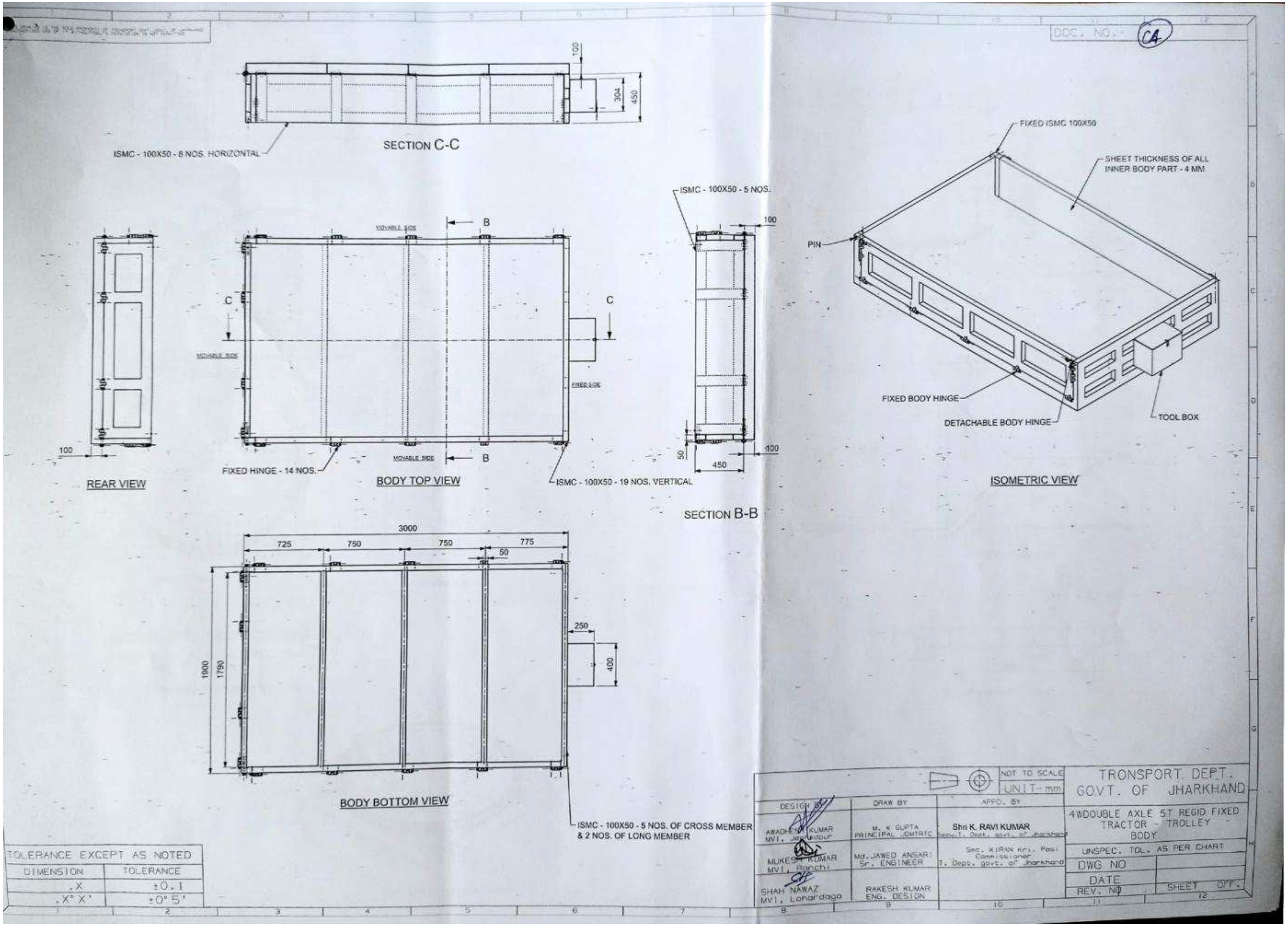
TRONSPORT DEPT.
GOVT. OF JHARKHAND

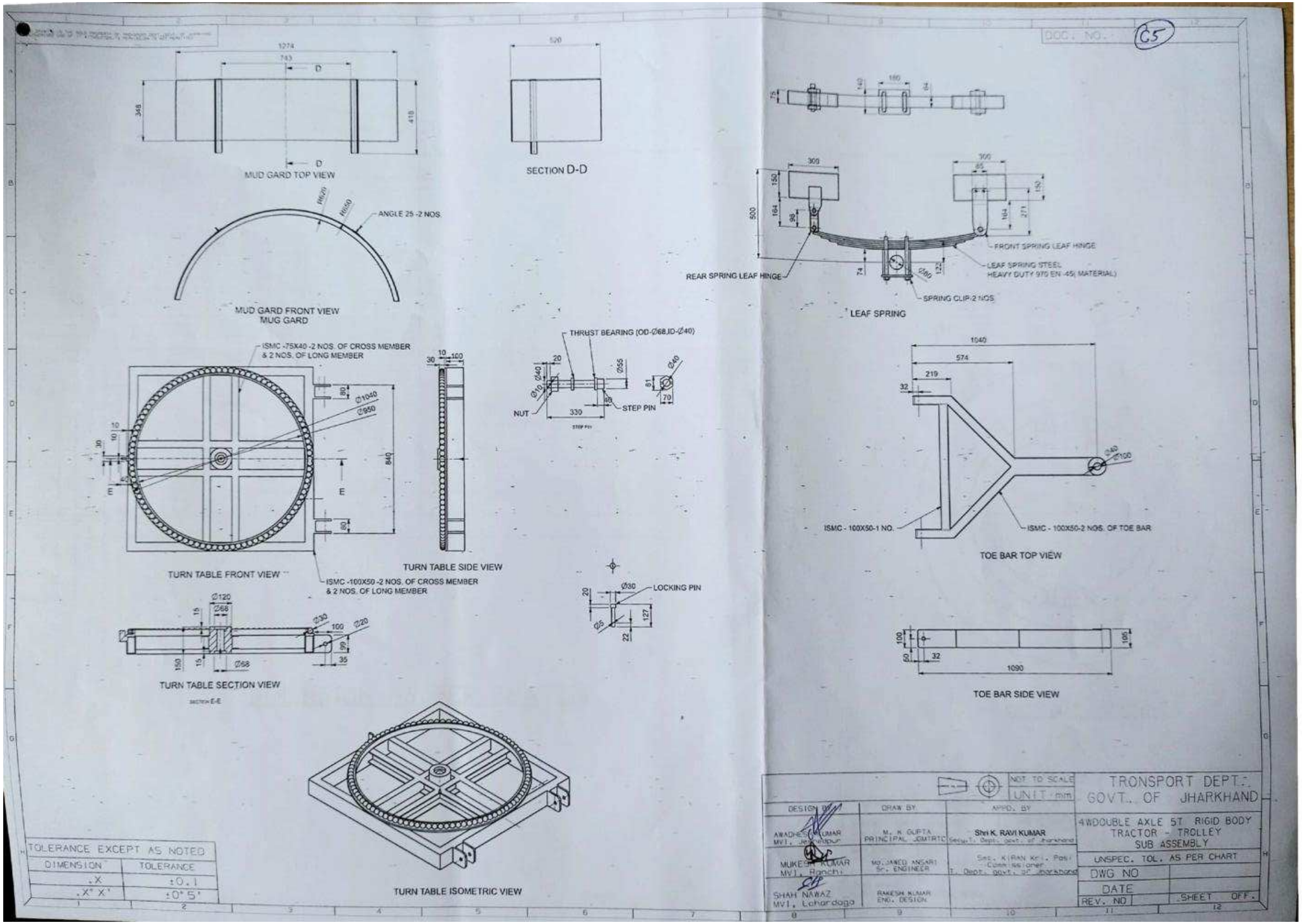
4W DOUBLE AXLE 5T RIGID TYPE TRACTOR - TROLLEY ASSEMBLY

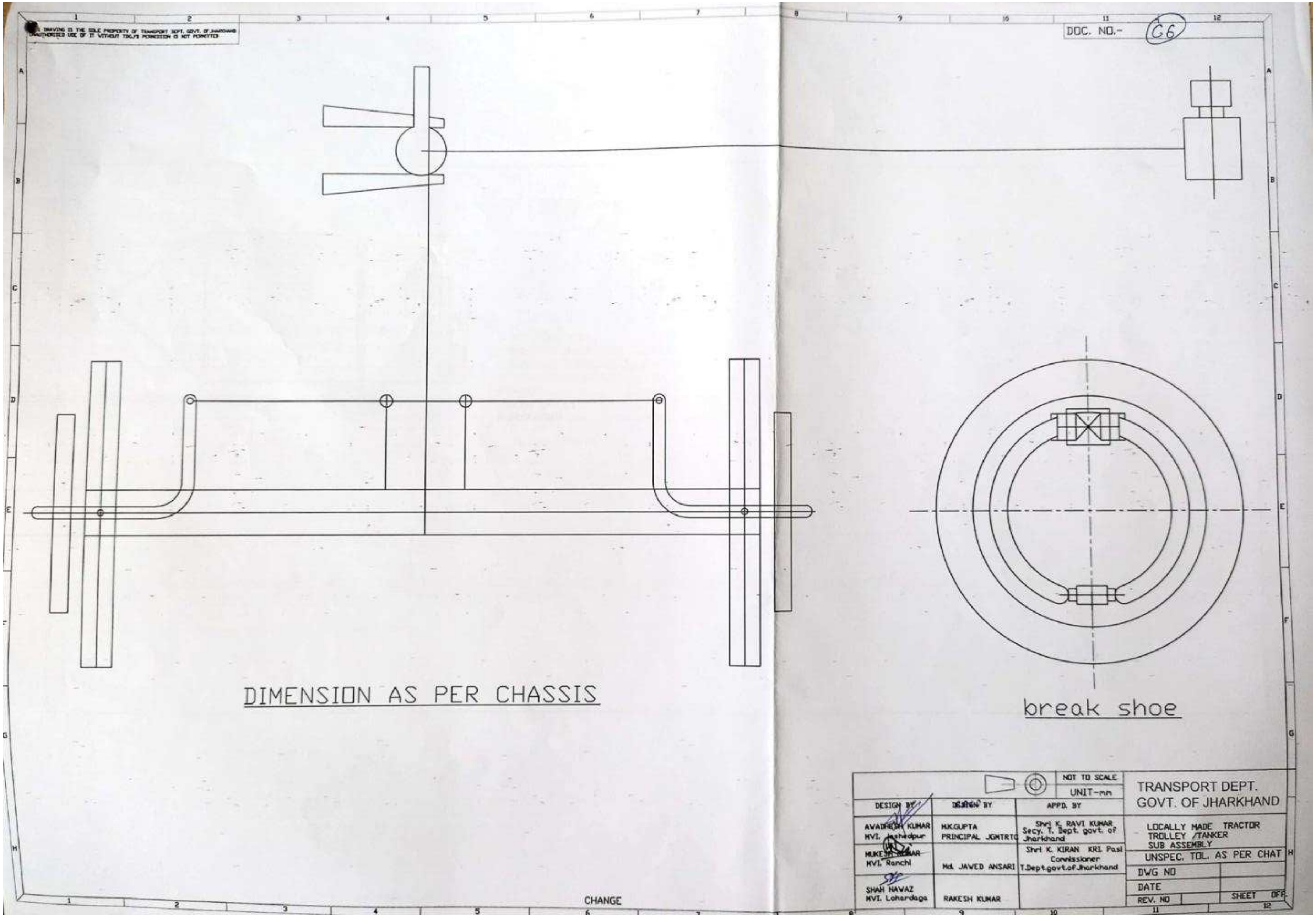
UNSPEC. TOL. AS PER CHART

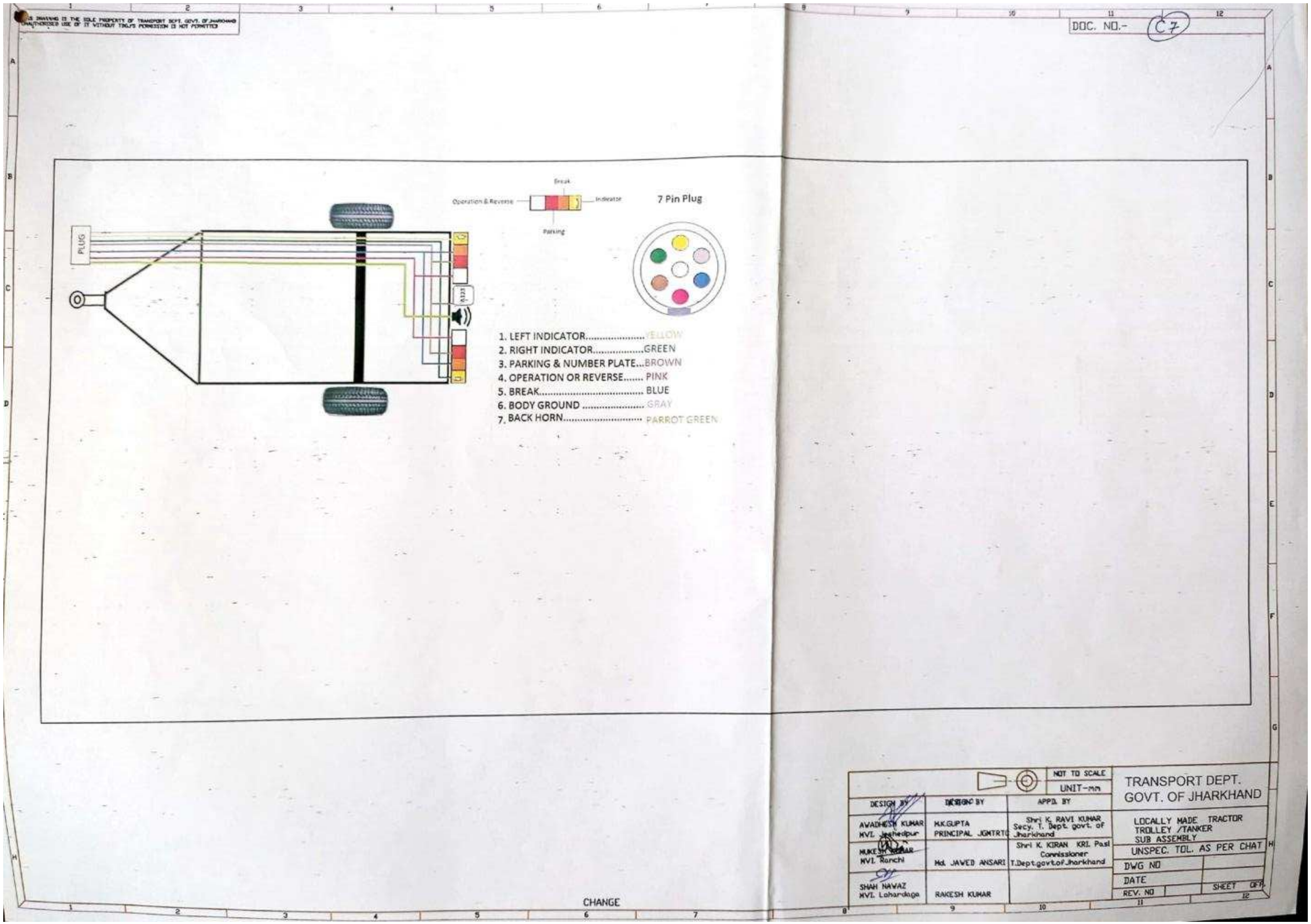
DESIGN BY	DRAW BY	APPD. BY
AWADHESH KUMAR MVI, Jamshedpur	M. K GUPTA PRINCIPAL JGMTRTC	Shri K. RAVI KUMAR Secy.,T. Dept. govt. of Jharkhand
MUKESH KUMAR MVI, Ranchi	Md.JAWED ANSARI Sr. ENGINEER	Smt. KIRAN Kr. Pasi Commissioner T. Dept. govt. of Jharkhand
SHAH NAWAZ MVI, Lohardaga	RAKESH KUMAR ENG. DESIGN	

DWG NO
DATE
REV. NO
SHEET OFF.

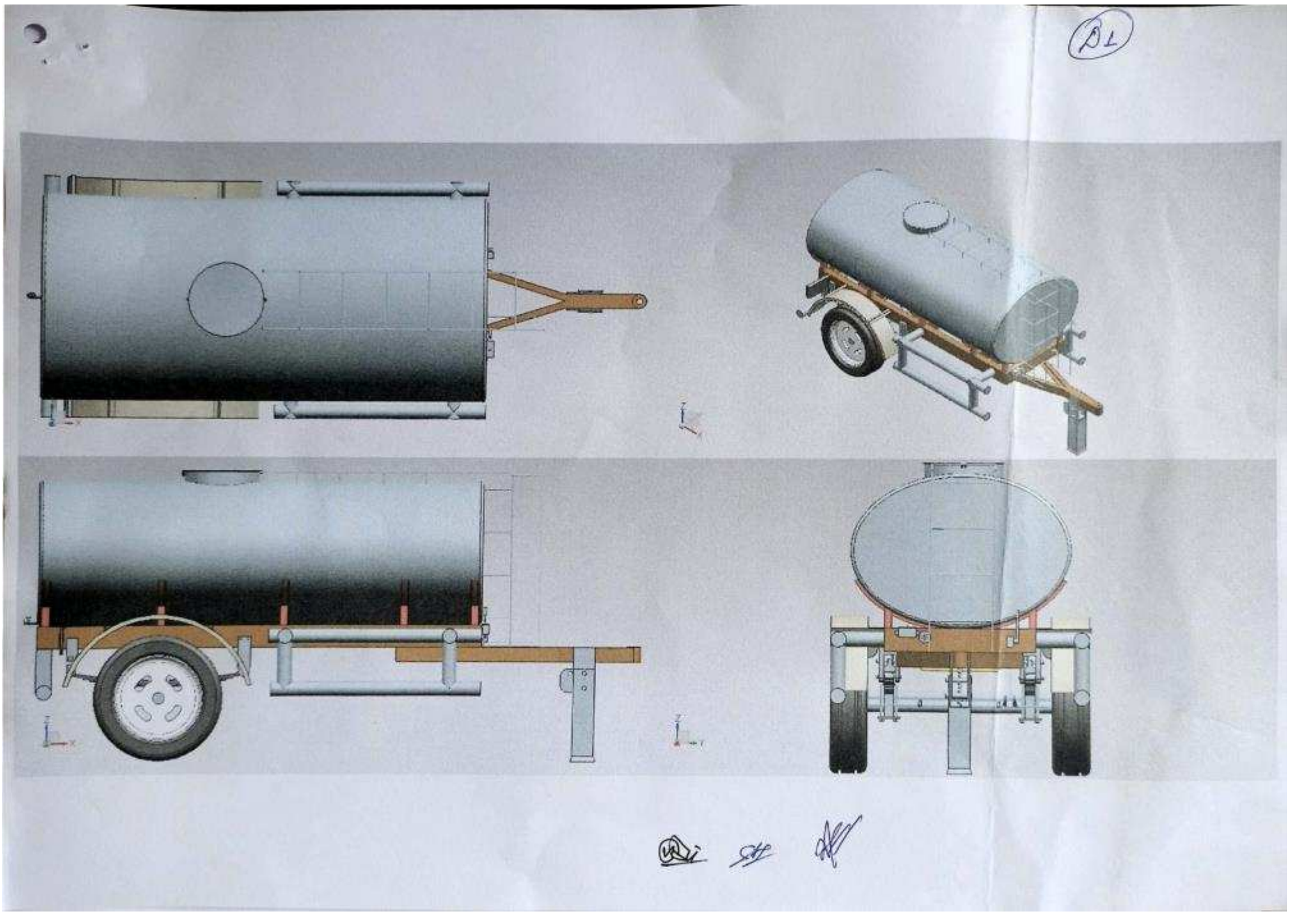

DOC. NO.
SECTION C-C
ISMC - 100X50 - 8 NOS. HORIZONTAL
100
304
450
ISMC - 100X50 - 5 NOS.
REAR VIEW
BODY TOP VIEW
MOVABLE SIDE
FIXED SIDE
FIXED HINGE - 14 NOS.
ISMC - 100X50 - 19 NOS. VERTICAL
SECTION B-B
B
C
50
FIXED ISMC 100X50
SHEET THICKNESS OF ALL INNER BODY PART - 4 MM
PIN
FIXED BODY HINGE
DETACHABLE BODY HINGE
TOOL BOX
ISOMETRIC VIEW
3000
725
750
750
775
250
400
1900
1790
BODY BOTTOM VIEW
ISMC - 100X50 - 5 NOS. OF CROSS MEMBER & 2 NOS. OF LONG MEMBER
TOLERANCE EXCEPT AS NOTED
DIMENSION
TOLERANCE
.X
±0.1
.X° X'
±0° 5'
NOT TO SCALE
UNIT - mm
TRONSPORT DEPT.
GOVT. OF JHARKHAND
DESIGN BY
DRAW BY
APPD. BY
AWADHESH KUMAR MVI, Jamshedpur
M. K GUPTA PRINCIPAL JDMTRTC
Shri K. RAVI KUMAR
MUKESH KUMAR MVI, Ranchi
Md. JAWED ANSARI Sr. ENGINEER
Smt. KIRAN Kri. Pasi Commissioner T. Dept. govt. of Jharkhand
SHAH NAWAZ MVI, Lohardaga
RAKESH KUMAR ENG. DESIGN
4WDOUBLE AXLE 5T REGID FIXED TRACTOR - TROLLEY BODY
UNSPEC. TOL. AS PER CHART
DWG NO
DATE
REV. NO
SHEET
OFF.

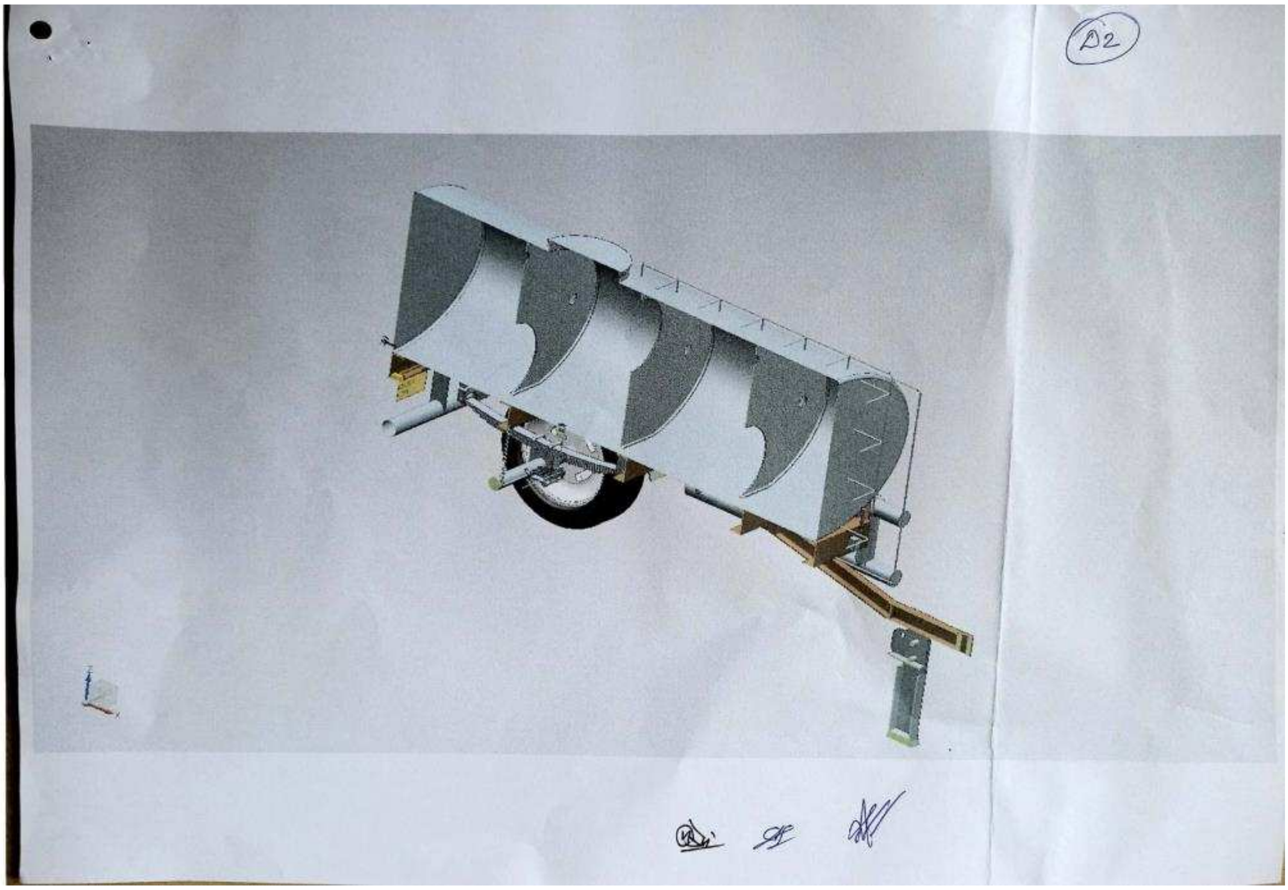

MUD GARD TOP VIEW
SECTION D-D
ANGLE 25 -2 NOS.
MUD GARD FRONT VIEW
MUG GARD
ISMC -75X40 -2 NOS. OF CROSS MEMBER & 2 NOS. OF LONG MEMBER
TURN TABLE FRONT VIEW
TURN TABLE SIDE VIEW
ISMC -100X50 -2 NOS. OF CROSS MEMBER & 2 NOS. OF LONG MEMBER
TURN TABLE SECTION VIEW
TURN TABLE ISOMETRIC VIEW
THRUST BEARING (OD-Ø68,ID-Ø40)
NUT
STEP PIN
LOCKING PIN
REAR SPRING LEAF HINGE
FRONT SPRING LEAF HINGE
LEAF SPRING STEEL HEAVY DUTY 970 EN -45(MATERIAL)
SPRING CLIP-2 NOS
LEAF SPRING
ISMC - 100X50-1 NO.
ISMC - 100X50-2 NOS. OF TOE BAR
TOE BAR TOP VIEW
TOE BAR SIDE VIEW
TOLERANCE EXCEPT AS NOTED
DIMENSION
TOLERANCE
.X
±0.1
.X° X'
±0° 5'
DOC. NO.
C5
NOT TO SCALE
UNIT mm
TRONSPORT DEPT.
GOVT. OF JHARKHAND
DESIGN BY
DRAW BY
APPD. BY
AWADHESH KUMAR MVI, Jamshedpur
M. K GUPTA PRINCIPAL JOMTRTC
Shri K. RAVI KUMAR
MUKESH KUMAR MVI, Ranchi
MD. JAWED ANSARI Sr. ENGINEER
SHAH NAWAZ MVI, Lohardaga
RAKESH KUMAR ENG. DESIGN
4WDOUBLE AXLE 5T RIGID BODY TRACTOR - TROLLEY SUB ASSEMBLY
UNSPEC. TOL. AS PER CHART
DWG NO
DATE
REV. NO
SHEET OFF.

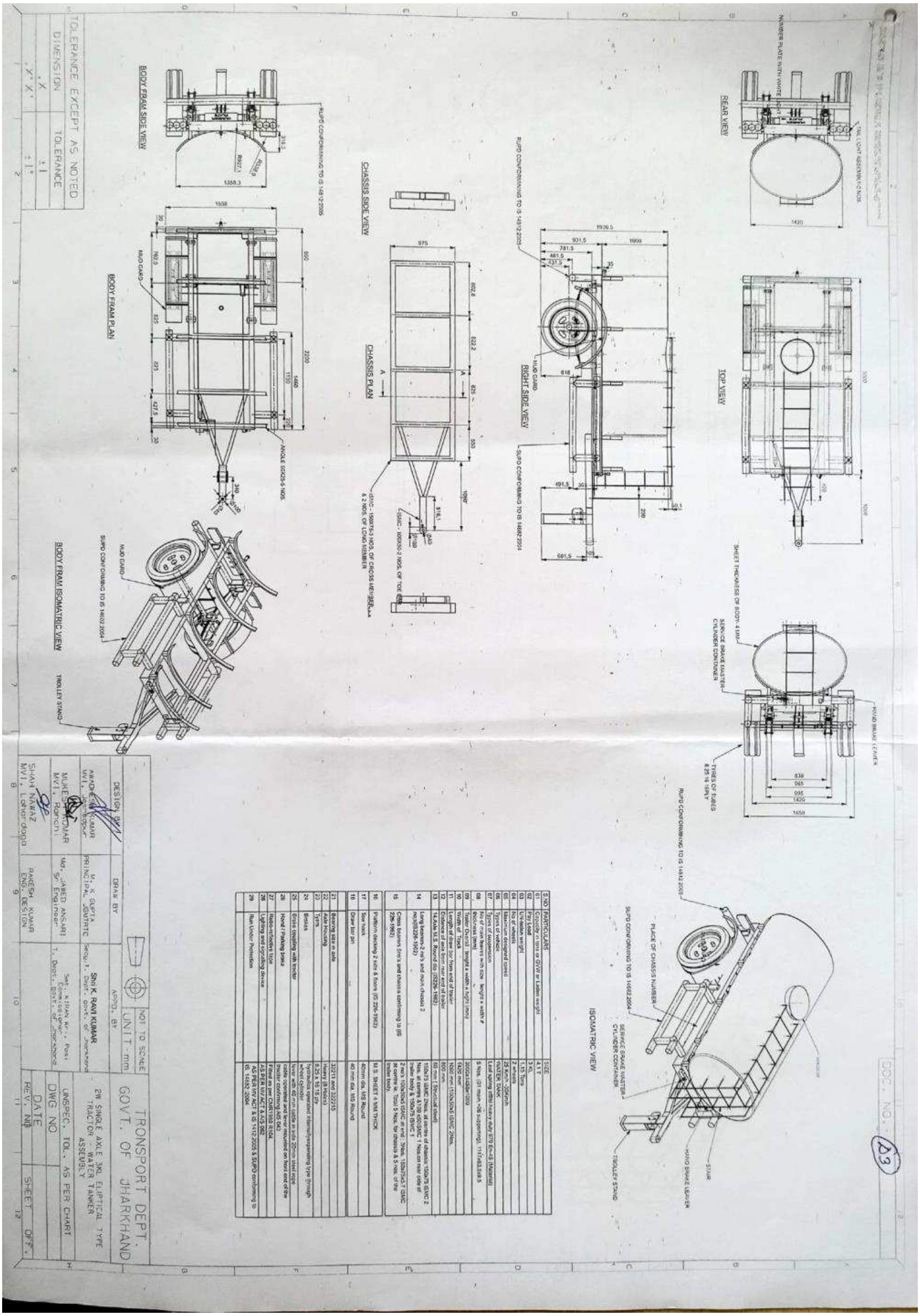

DOC. NO.- C6
DIMENSION AS PER CHASSIS
break shoe
NOT TO SCALE
UNIT-mm
TRANSPORT DEPT.
GOVT. OF JHARKHAND
DESIGN BY
DRAWN BY
APPD. BY
AWADHESH KUMAR
MVI, Jamshedpur
M.K.GUPTA
PRINCIPAL JGMTRTC
Shri K. RAVI KUMAR
Secy. T. Dept. govt. of Jharkhand
LOCALLY MADE TRACTOR
TROLLEY /TANKER
SUB ASSEMBLY
MUKESH KUMAR
MVI, Ranchi
Md. JAWED ANSARI
Shri K. KIRAN KRI. Pasi
Commissioner
T.Dept.govt.of Jharkhand
UNSPEC. TOL. AS PER CHAT
DWG NO
DATE
SHAH NAWAZ
MVI, Lohardaga
RAKESH KUMAR
REV. NO
SHEET OF
CHANGE

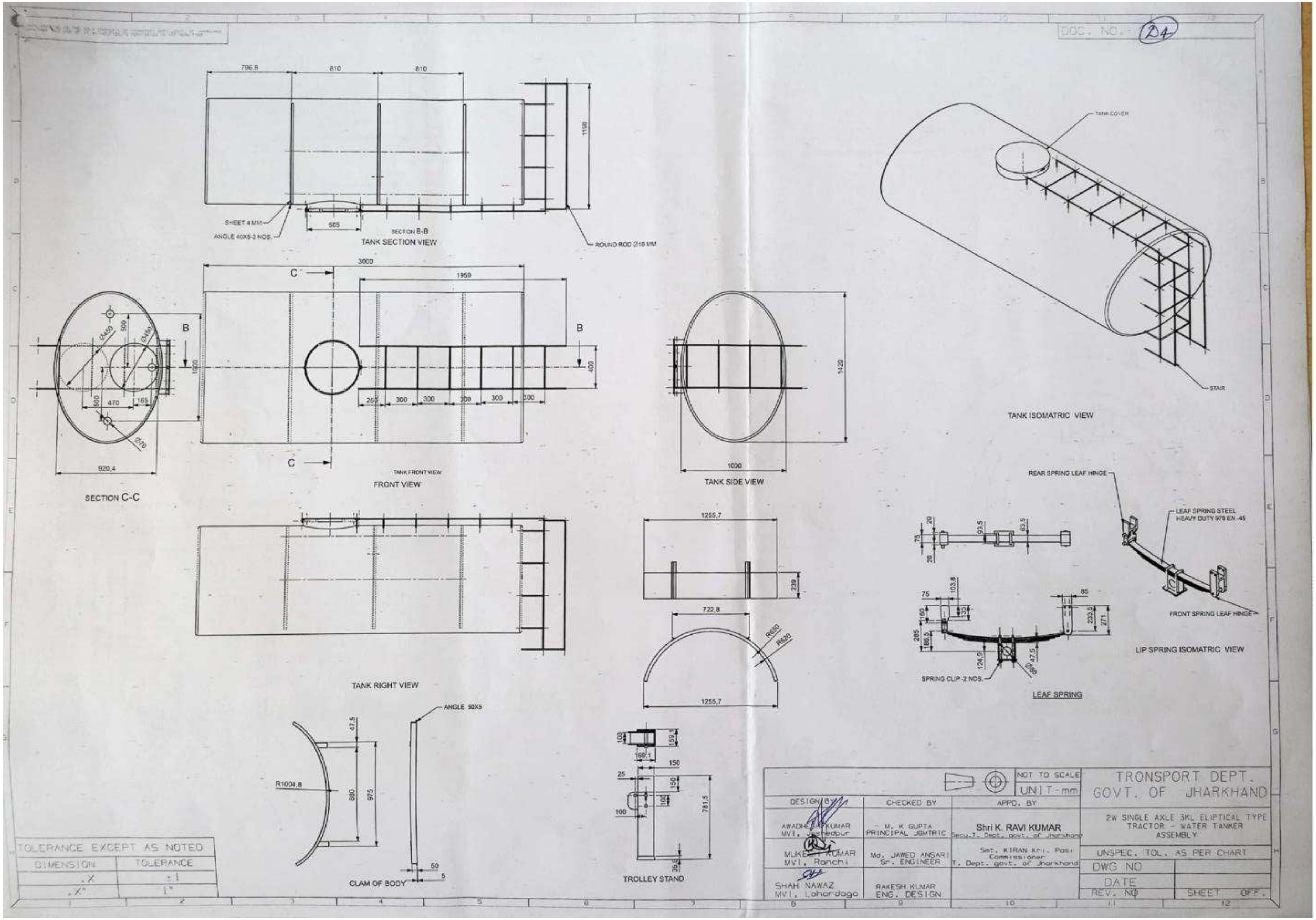

DOC. NO.- C7
PLUG
Break
Operation & Reverse
Indicator
Parking
7 Pin Plug
1. LEFT INDICATOR....................YELLOW
2. RIGHT INDICATOR..................GREEN
3. PARKING & NUMBER PLATE...BROWN
4. OPERATION OR REVERSE....... PINK
5. BREAK.................................... BLUE
6. BODY GROUND .... GRAY
7. BACK HORN............................ PARROT GREEN
CHANGE
NOT TO SCALE
UNIT-mm
TRANSPORT DEPT.
GOVT. OF JHARKHAND
DESIGN BY
APPD. BY
AVADHESH KUMAR
MVI. Jamshedpur
M.K.GUPTA
PRINCIPAL JGMTRTC
Shri K. RAVI KUMAR
Secy. T. Dept. govt. of Jharkhand
MUKESH KUMAR
MVI. Ranchi
Md. JAWED ANSARI
Shri K. KIRAN KRI. Pasi
Commissioner
T.Dept.govt.of Jharkhand
SHAH NAWAZ
MVI. Lohardaga
RAKESH KUMAR
LOCALLY MADE TRACTOR
TROLLEY /TANKER
SUB ASSEMBLY
UNSPEC. TOL. AS PER CHAT
DWG NO
DATE
REV. NO
SHEET OF

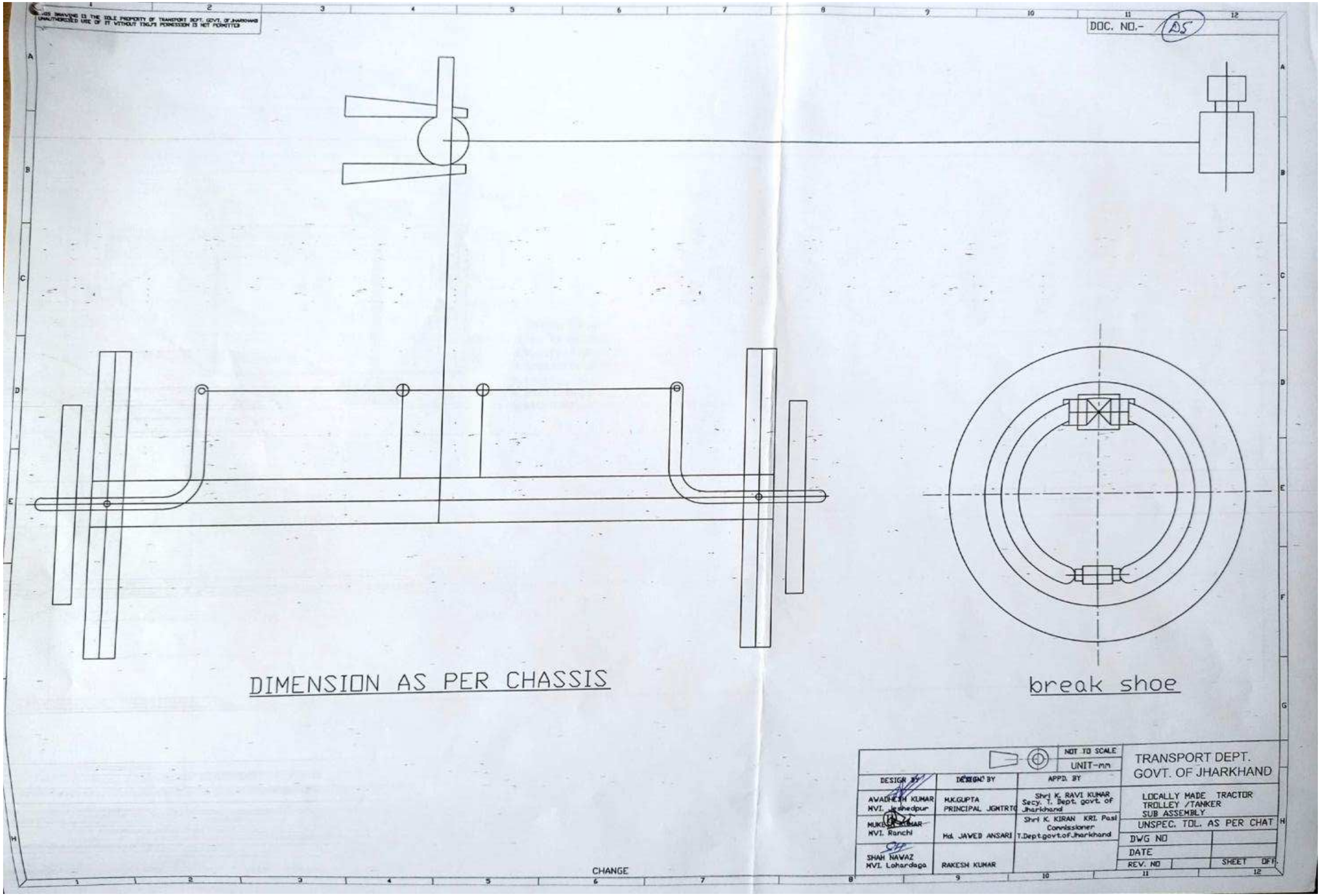
Model Code - D

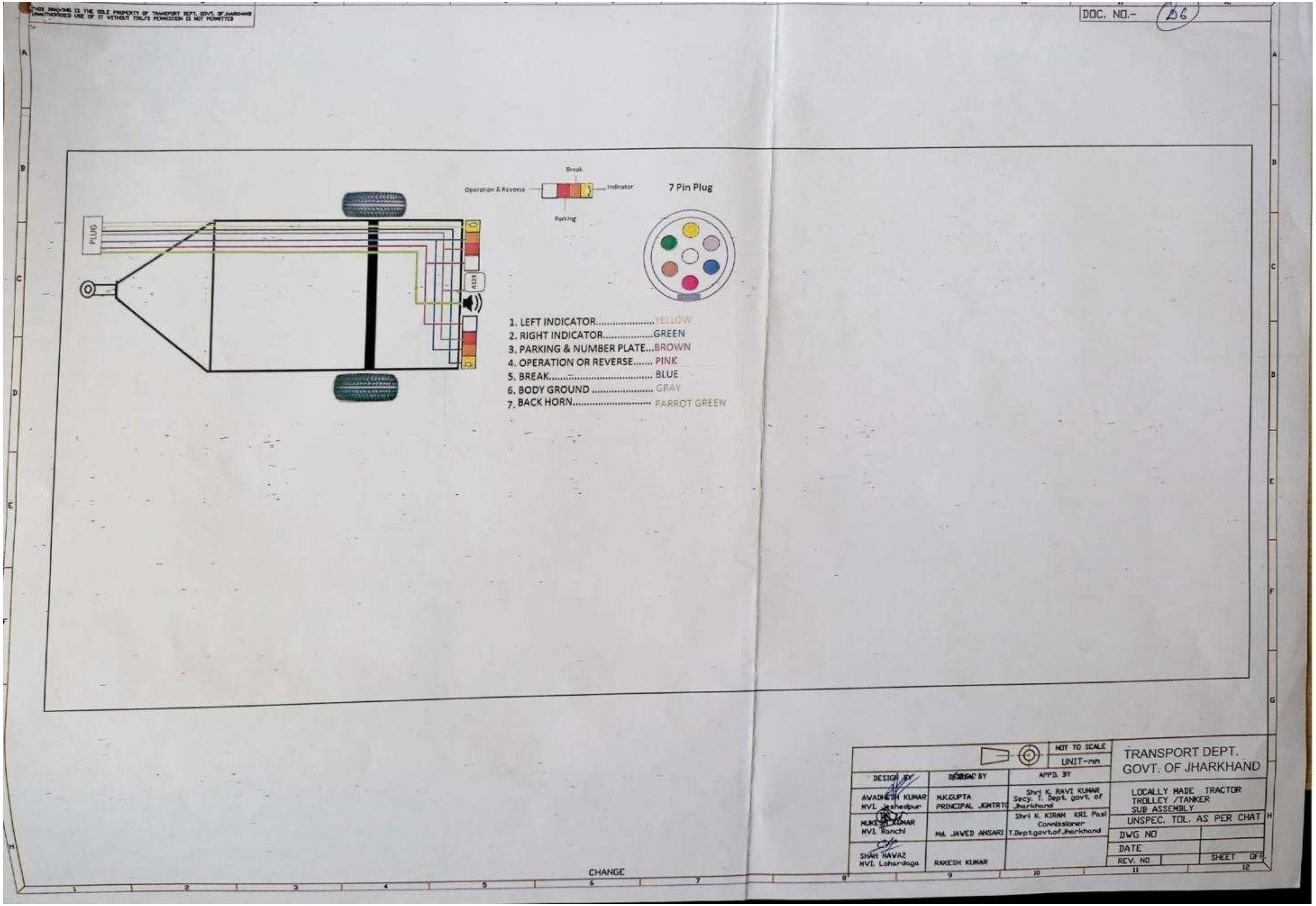




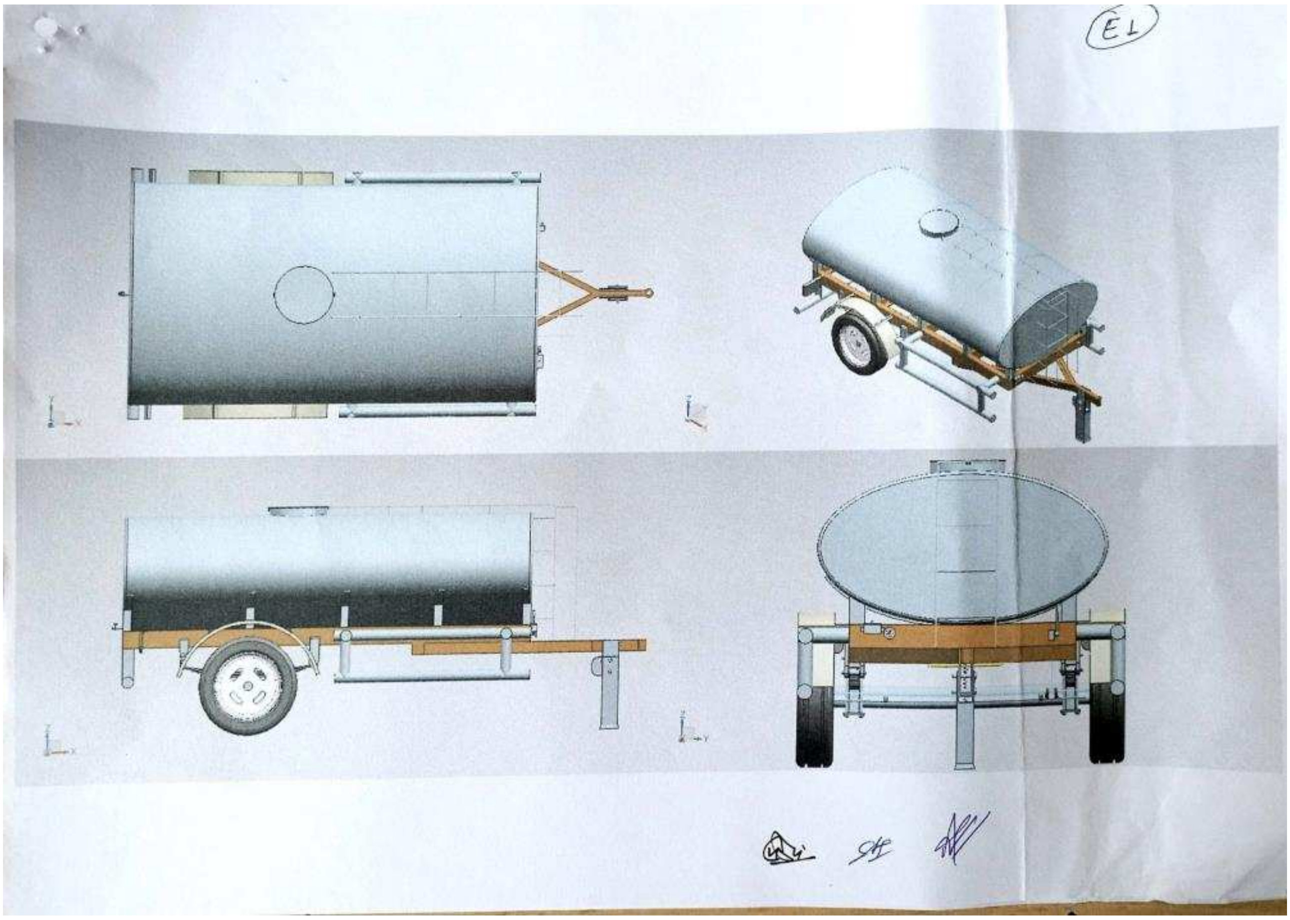

REAR VIEW
TOP VIEW
RIGHT SIDE VIEW
ISOMATRIC VIEW
CHASSIS SIDE VIEW
CHASSIS PLAN
BODY FRAM SIDE VIEW
BODY FRAM PLAN
BODY FRAM ISOMATRIC VIEW
TOLERANCE EXCEPT AS NOTED
TRANSPORT DEPT.
GOVT. OF JHARKHAND
NOT TO SCALE
UNIT : mm
DOC. NO.

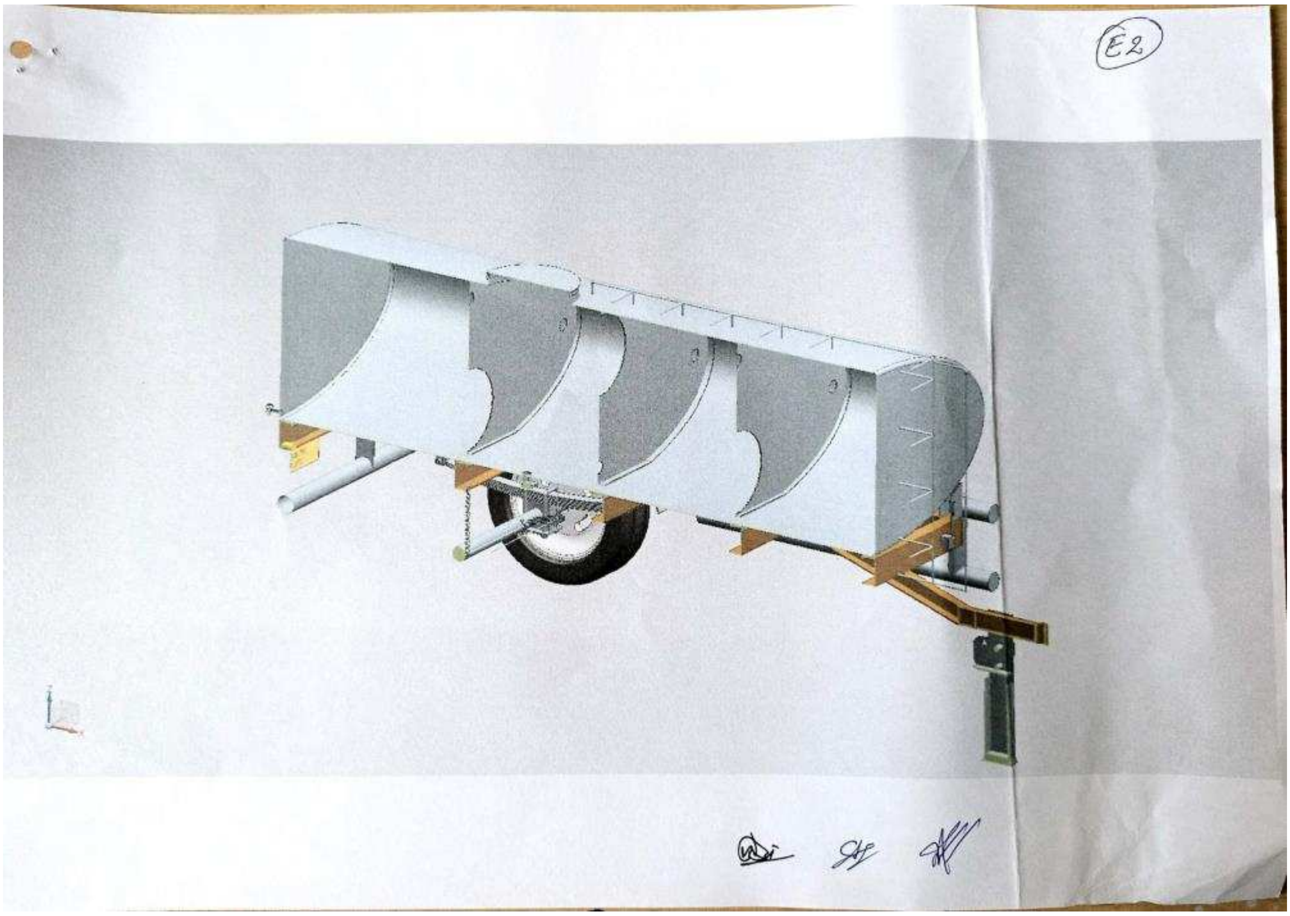

DOC. NO. - D4
TANK SECTION VIEW
SECTION B-B
SHEET 4 MM
ANGLE 40X5-3 NOS.
ROUND ROD Ø18 MM
TANK COVER
STAIR
TANK ISOMATRIC VIEW
SECTION C-C
FRONT VIEW
TANK FRONT VIEW
TANK SIDE VIEW
TANK RIGHT VIEW
REAR SPRING LEAF HINGE
LEAF SPRING STEEL HEAVY DUTY 970 EN -45
FRONT SPRING LEAF HINGE
LIP SPRING ISOMATRIC VIEW
SPRING CLIP -2 NOS.
LEAF SPRING
ANGLE 50X5
CLAM OF BODY
TROLLEY STAND
TOLERANCE EXCEPT AS NOTED
DIMENSION
TOLERANCE
NOT TO SCALE
UNIT - mm
TRONSPORT DEPT.
GOVT. OF JHARKHAND
DESIGN BY
CHECKED BY
APPD. BY
AWADHESH KUMAR
MVI, Jamshedpur
M. K GUPTA
PRINCIPAL JGMTRTC
Shri K. RAVI KUMAR
Secy.-T. Dept. govt. of Jharkhand
2W SINGLE AXLE 3KL ELIPTICAL TYPE
TRACTOR - WATER TANKER
ASSEMBLY
MUKESH KUMAR
MVI, Ranchi
Md. JAWED ANSARI
Sr. ENGINEER
Smt. KIRAN Kri. Pasi
Commissioner
T. Dept. govt. of Jharkhand
UNSPEC. TOL. AS PER CHART
DWG NO
DATE
SHAH NAWAZ
MVI, Lohardaga
RAKESH KUMAR
ENG. DESIGN
REV. NO
SHEET OFF.

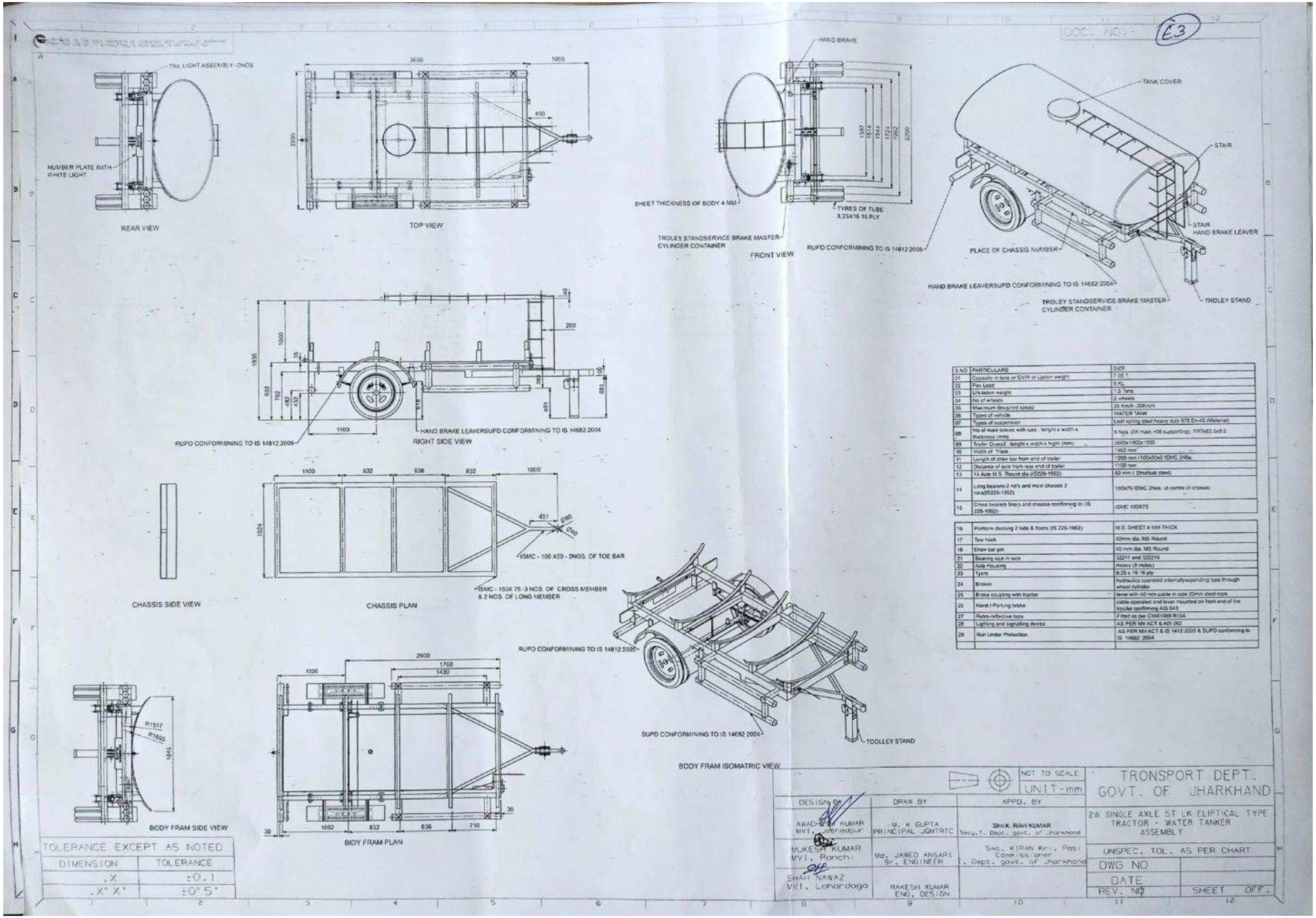

DOC. NO.-
DIMENSION AS PER CHASSIS
break shoe
NOT TO SCALE
UNIT-mm
TRANSPORT DEPT.
GOVT. OF JHARKHAND
DESIGN BY
DESIGN BY
APPD. BY
NVI. Jamshedpur
M.K.GUPTA
PRINCIPAL JGMTRTC
Shri K. RAVI KUMAR
Secy. T. Dept. govt. of Jharkhand
LOCALLY MADE TRACTOR
TROLLEY /TANKER
SUB ASSEMBLY
NVI. Ranchi
Md. JAWED ANSARI
Shri K. KIRAN KRI. Pasi
Commissioner
T.Dept.govt.of Jharkhand
UNSPEC. TOL. AS PER CHAT
DWG NO
DATE
SHAH NAWAZ
NVI. Lohardaga
RAKESH KUMAR
REV. NO
SHEET OF
CHANGE


DOC. NO.- D6
PLUG
Break
Operation & Reverse
Indicator
Parking
7 Pin Plug
1. LEFT INDICATOR.................... YELLOW
2. RIGHT INDICATOR.................GREEN
3. PARKING & NUMBER PLATE...BROWN
4. OPERATION OR REVERSE....... PINK
5. BREAK.................................... BLUE
6. BODY GROUND .... GRAY
7. BACK HORN............................ PARROT GREEN
NOT TO SCALE
UNIT-mm
TRANSPORT DEPT.
GOVT. OF JHARKHAND
DESIGN BY
APPD. BY
AVADHESH KUMAR
MVI Jamshedpur
M.K.GUPTA
PRINCIPAL JGMTRTC
Shri K. RAVI KUMAR
Secy. T. Dept. govt. of Jharkhand
LOCALLY MADE TRACTOR
TROLLEY /TANKER
SUB ASSEMBLY
MUKESH KUMAR
MVI Ranchi
Md. JAWED ANSARI
Shri K. KIRAN KRL Pasi
Commissioner
T.Dept.govt.of Jharkhand
UNSPEC. TOL. AS PER CHAT
DWG NO
DATE
SHAH NAWAZ
MVI Lohardaga
RAKESH KUMAR
REV. NO
SHEET OF
CHANGE

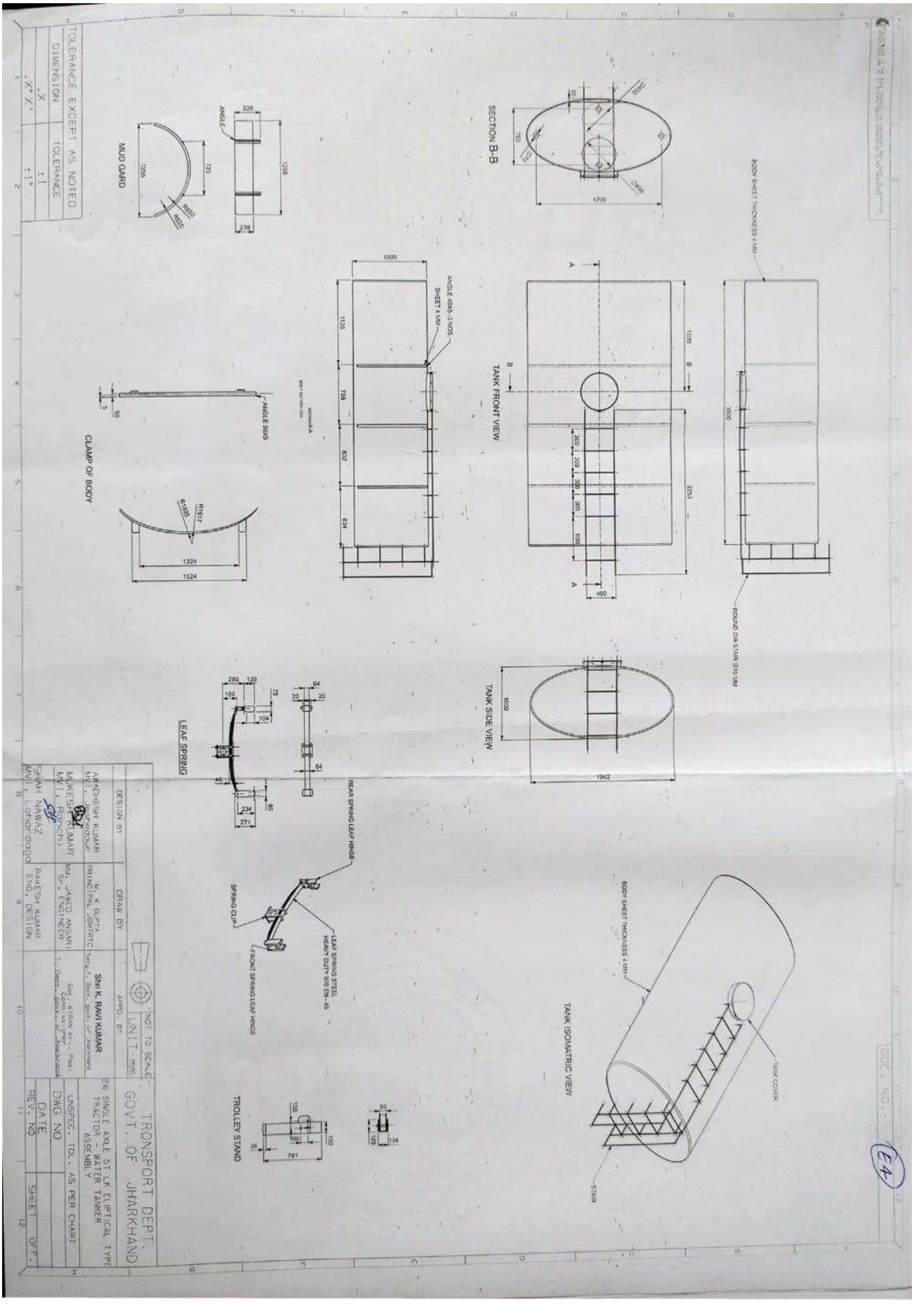
Model Code - E

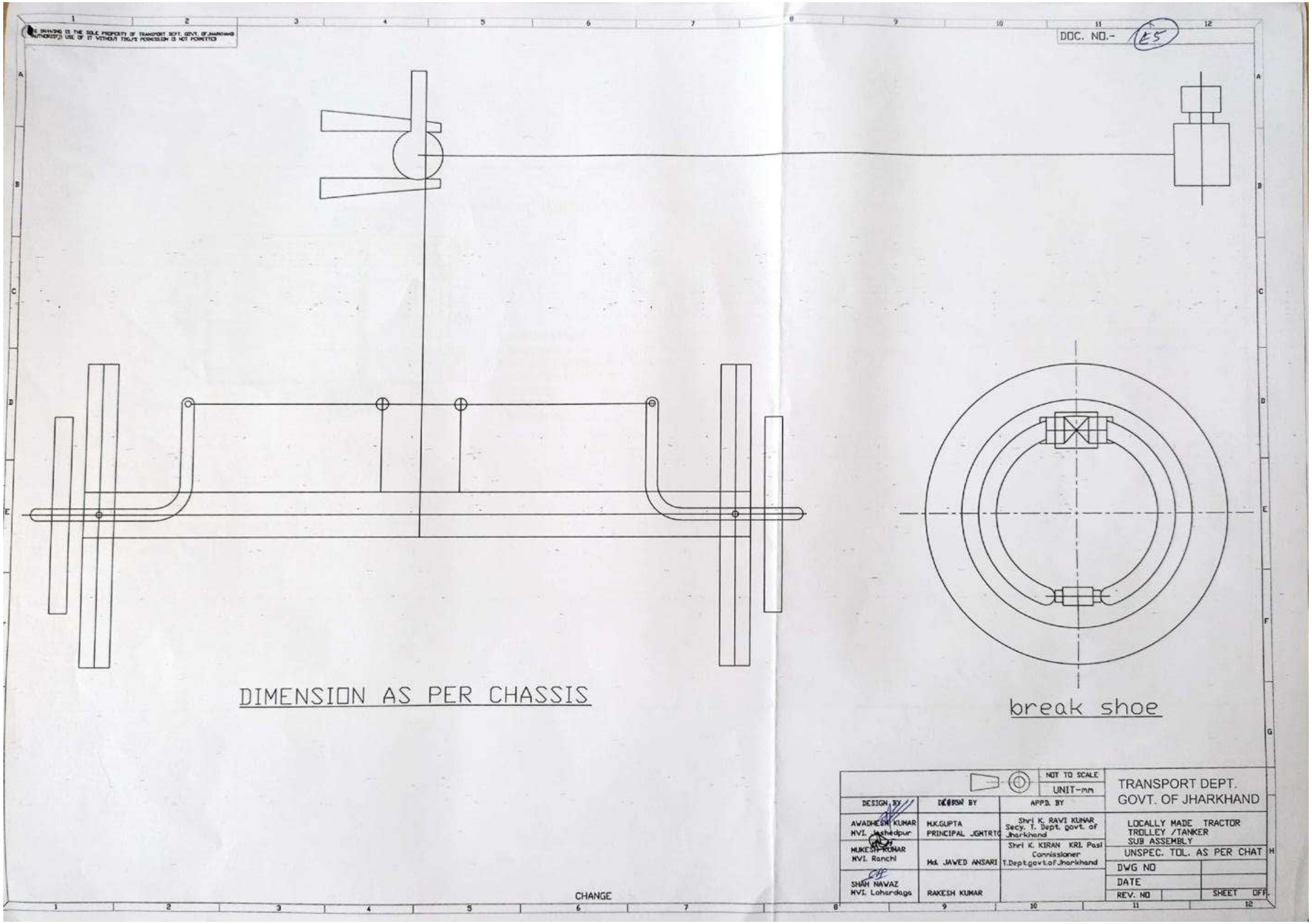


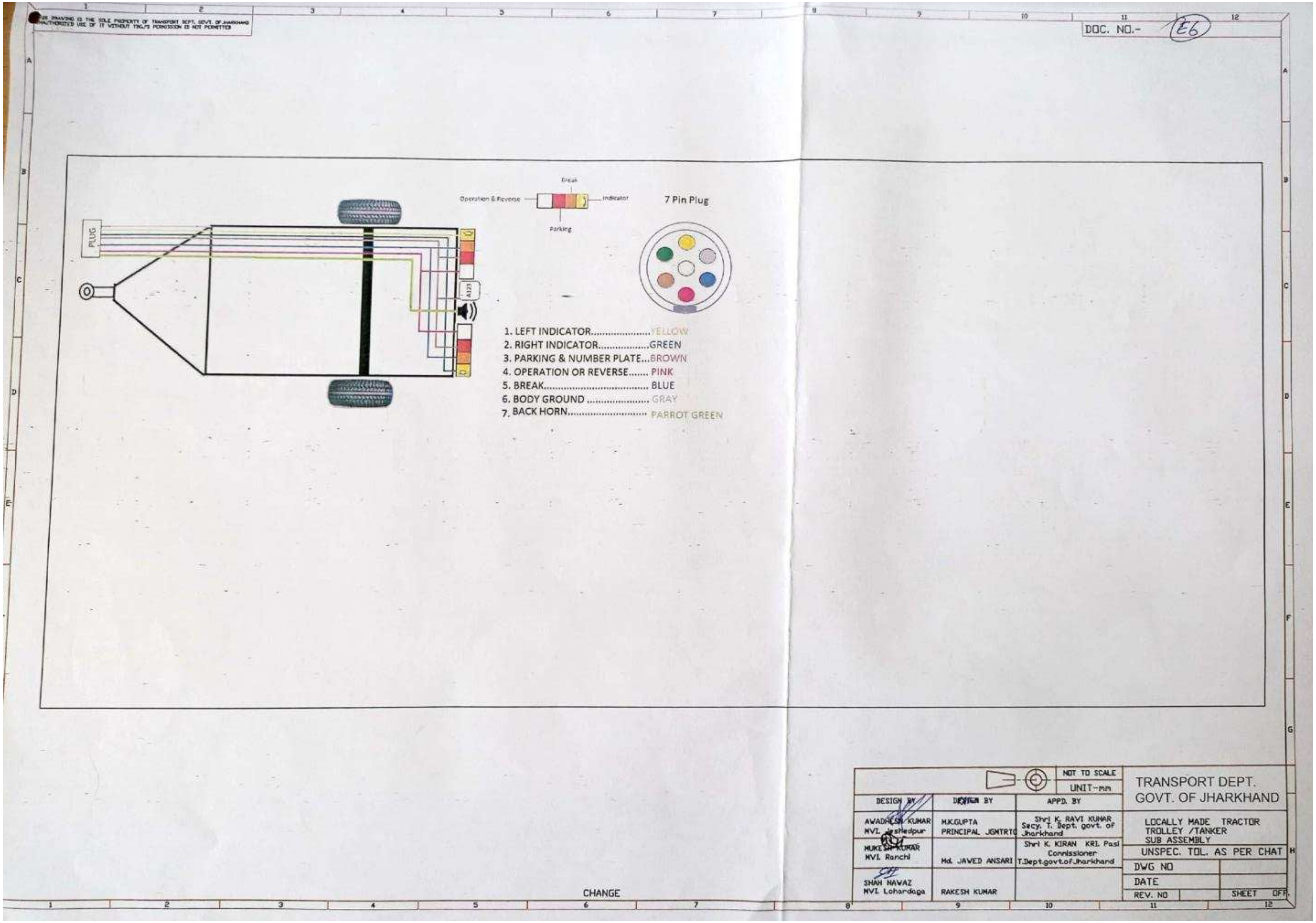

E2



S.NO	PARTICULARS	SIZE
01	Capacity in tons or GVW or Laden weight	7.05 T
02	Pay Load	5 KL
03	UN-laden weight	1.5 Tons
04	No of wheels	2 wheels
05	Maximum designed speed	25 Km/h -30Km/h
06	Types of vehicle	WATER TANK
07	Types of suspension	Leaf spring steel heavy duty 970 En-45 (Material)
08	No of main leaves with size : lenght x width x thickness (mm)	9 Nos. (01 main, +08 supporting), 1117x63.5x9.5
09	Trailer Overall : lenght x width x hight (mm)	3600x1962x1000
10	Width of Track	1962 mm
11	Length of draw bar from end of trailer	1000 mm (100x50x5 ISMC 2Nos.
12	Distance of axle from rear end of trailer	1100 mm
13	14 Axle M.S. Round dia (IS226-1962)	60 mm (Structural steel)
14	Long bearers-2 no's and main chassis 2 nos(IS226-1962)	150x75 ISMC 2Nos. at centre of chassis
15	Cross bearers 5no's and chassis confirming to IS 226-1962)	ISMC 150X75
16	Platform decking 2 side & floors (IS 226-1962)	M.S. SHEET 4 MM THICK
17	Tow hook	40mm dia. MS Round
18	Draw bar pin	40 mm dia. MS Round
21	Bearing size in axle	32211 and 322215
22	Axle Housing	Heavy (8 Holes)
23	Tyres	8.25 x 16 16 ply
24	Brakes	hydraulics operated internallyexpending type through wheel cylinder
25	Brake coupling with tractor	lever with 40 mm cable in side 20mm steel rope
26	Hand / Parking brake	cable operated and lever mounted on front end of the trailer confirming AIS 043
27	Retro-reflective tape	Fitted as per CMR1989 R104
28	Lighting and signalling device	AS PER MV ACT & AIS 062
29	Run Under Protection	AS PER MV ACT & IS 1412:2005 & SUFD conforming to IS 14682 :2004


SECTION B-B
TANK FRONT VIEW
TANK SIDE VIEW
TANK ISOMATRIC VIEW
MUD GARD
CLAMP OF BODY
LEAF SPRING
TROLLEY STAND
TOLERANCE EXCEPT AS NOTED
TRONSPORT DEPT.
GOVT. OF JHARKHAND
NOT TO SCALE
UNIT-mm
E4


DOC. NO.- E5
DIMENSION AS PER CHASSIS
break shoe
NOT TO SCALE
UNIT-mm
TRANSPORT DEPT.
GOVT. OF JHARKHAND
DESIGN BY
DRAWN BY
APPD. BY
AWADHESH KUMAR
MVI. Jamshedpur
M.K.GUPTA
PRINCIPAL JGMTRTC
Shri K. RAVI KUMAR
Secy. T. Dept. govt. of Jharkhand
LOCALLY MADE TRACTOR
TROLLEY /TANKER
SUB ASSEMBLY
MUKESH KUMAR
MVI. Ranchi
Md. JAWED ANSARI
Shri K. KIRAN KRI. Pasi
Commissioner
T.Dept.govt.of Jharkhand
UNSPEC. TOL. AS PER CHAT
DWG NO
DATE
SHAH NAWAZ
MVI. Lohardaga
RAKESH KUMAR
REV. NO
SHEET OF
CHANGE


DOC. NO.-
E6
Break
Operation & Reverse
Indicator
Parking
7 Pin Plug
PLUG
1. LEFT INDICATOR.....................YELLOW
2. RIGHT INDICATOR.................GREEN
3. PARKING & NUMBER PLATE...BROWN
4. OPERATION OR REVERSE...... PINK
5. BREAK.................................... BLUE
6. BODY GROUND .... GRAY
7. BACK HORN........................... PARROT GREEN
NOT TO SCALE
UNIT-mm
TRANSPORT DEPT.
GOVT. OF JHARKHAND
DESIGN BY
APPD. BY
AWADHESH KUMAR
MVI, Jamshedpur
M.K.GUPTA
PRINCIPAL JSMTRTC
Shri K. RAVI KUMAR
Secy. T. Dept. govt. of Jharkhand
MUKESH KUMAR
MVI, Ranchi
Shri K. KIRAN KRI. Pasi
Commissioner
T.Dept.govt.of Jharkhand
Md. JAWED ANSARI
SHAH NAWAZ
MVI, Lohardaga
RAKESH KUMAR
LOCALLY MADE TRACTOR
TROLLEY /TANKER
SUB ASSEMBLY
UNSPEC. TOL. AS PER CHAT
DWG NO
DATE
REV. NO
SHEET OF
CHANGE