

**KOLKATA PORT TRUST
HALDIA DOCK COMPLEX**

Office of the M. M. Division, Jawahar Tower, 2nd Floor,
P.O.: - Haldia Township, Dist.: East Midnapore,
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E-Tender under single stage two part system (Part I: Techno-Commercial Bid and Part II: Price Bid) are invited from reliable, bonafide & experienced **manufacturers** for supply and delivery of Marshalling Beetle and spares for Charging & Marshalling Beetle (as per tender BOQ) for Coal Handling Plant, Haldia Dock Complex.

Bid Document may be downloaded from MSTC website www.mstcecommerce.com Corrigenda / addenda / clarifications, if any, shall be hosted on the above mentioned websites only. Tenderer should visit the website frequently.

SCHEDULE OF TENDER (SOT) :

a.	TENDER NO.	HDC/MM/OT-13/22/156
b.	MODE OF TENDER	e-Procurement System (Online Part I - Techno-Commercial Bid and Part II - Price Bid through www.mstcecommerce.com of MSTC Ltd. The intending bidders are required to submit their offer electronically through e-tendering portal. No physical tender is acceptable by Haldia Dock Complex.
c.	E-Tender No. (System Generated)	<u>KoPT/Haldia Dock Complex/MM Div/32/17-18/ET/460</u>
d.	Date of NIT available to parties to download	06.12.2017
e.	Pre-Bid Meeting starting date & Time	NA
f.	Pre –Bid Meeting closing date & Time	NA
g.	i) Earnest Money Deposit	<p>The intending bidders should submit Earnest Money of ₹ 5,500/- (Rupees five thousand five hundred only) to Haldia Dock Complex along with their offer otherwise their offer will be summarily rejected.</p> <p>The bidders are advised to deposit Earnest Money (EM) using the Axis Bank Payment Gateway only. No other method of payment of EM shall be accepted.</p> <p>The Bidders would be able to access the payment gateway from the Vendor log in page of the MSTC ecommerce site(www.mstcecommerce.com→ e-Procurement →Psu / Govt depts→Kolkata Port Trust) itself under the icon: "HDC EMD/Tender Fee Payment". Clicking this icon will take the bidders to the Axis bank gateway. Alternatively the Bidders can also access the gateway by from Axis bank easy pay site (https://easypay.axisbank.co.in→ Others→Haldia Dock Complex)</p> <p>For making payment of EM through the gateway, the bidders will be required to provide the User ID (the ID used by the bidders for submitting e-tender of HDC) and Bid ID (the e-tender number of the tender for which the payment is to be made).</p>

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		<p>The method of use of the gateway is indicated under "Procedure of Payment of Earnest Money and Bid Document Fee Through Axis Bank Gateway" section of the tender document.</p> <p>Through Axis Bank Gateway with the tender.</p> <p>Tenderers should deposit Earnest Money before filling and submission of bids.</p> <p>Details of Earnest money remitted should be entered by the participating vendor/contractor in the space provided in the e-tender as indicated hereunder :</p> <p>a) Name of remitting vendor/contractor :</p> <p>b) E- Tender No. :KoPT/Haldia Dock Complex/MM Div/32/17-18/ET/460</p> <p>c) Amount remitted :</p> <p>d) Remittance Bank Details:</p> <p>e) URN No.:</p> <p>f) Date of payment:</p> <p>NOTE : The bidders, who are not registered with MSTC are advised to get themselves registered with MSTC at least 72 hours prior to making payment of Earnest Money through the Axis Bank Payment Gateway.</p>
	ii)	<p>Bid Document fee</p> <p>The intending bidders should submit Bid Document Fee of ₹ 500/- (Rupees five hundred only) to Haldia Dock Complex along with their offer otherwise their offer will be summarily rejected.</p> <p>The bidders are advised to deposit Bid Document Fee using the Axis Bank Payment Gateway only. No other method of payment of Bid Document Fee shall be accepted.</p> <p>The Bidders would be able to access the payment gateway from the Vendor log in page of the MSTC ecommerce site (www.mstcecommerce.com→ e-Procurement →Psu /Govt depts→Kolkata Port Trust) under the icon: "HDC EMD/Tender Fee Payment". Clicking this icon will take the bidders to the Axis bank gateway. Alternatively the Bidders can also access the gateway by from Axis bank easy pay site (https://easypay.axisbank.co.in→ Others→Haldia Dock Complex)</p> <p>For making payment of EM through the gateway, the bidders will be required to provide the User ID (the ID used by the bidders for submitting e-tender of HDC) and Bid ID (the e-tender number of the tender for which the payment is to be made).</p> <p>The method of use of the gateway is indicted under "Procedure of Payment of Earnest Money and Bid Document Fee Through Axis Bank Gateway" section of the tender document.</p> <p>Tenderers should deposit Earnest Money before filling and submission of bids.</p> <p>Details of Earnest money remitted should be entered by the participating vendor/contractor in the space provided in the e-tender as indicated hereunder :</p>

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		a) Name of remitting vendor/contractor : b) E- Tender No. : KoPT/Haldia Dock Complex/MM Div/32/17-18/ET/460 c) Amount remitted : d) Remittance Bank Details: e) URN No.: f) Date of payment: NOTE : The bidders, who are not registered with MSTC are advised to get themselves registered with MSTC at least 72 hours prior to making payment of Earnest Money through the Axis Bank Payment Gateway.
	iii)	Transaction Fee ₹ 614.00 (Including GST @18%). Payment of Transaction fee by NEFT/RTGS in favour of MSTC Limited (refer clause. No. 4 of Annexure -I)
h.	Last date of submission of EMD & Bid Document fee at HDC.	26.12.2017 time 15.00 hours
	Last date of submission of Transaction fee through RTGS/NEFT in favour of MSTC Limited, Kolkata.	Three working days before the last date of <u>closing of online bidding for the e-tender.</u>
i.	Date of Starting of e-Tender for submission of on line Techno-Commercial Bid and price Bid at www.mstcecommerce.com/eprochome/	07.12.2017 time 11.00 hours
j.	Date of closing of online e-tender for submission of Techno Commercial Bid & Price Bid.	27.12.2017 time 15.00 hours
k.	Date & time of opening of Part-I (i.e. Techno-Commercial Bid) Part-II Price Bid: Date of opening of Part II i.e. price bid shall be informed separately	27.12.2017 time after 15.30 hours

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List of Annexure :

Important Instructions to Bidders	:	Annexure –I
Commercial Terms & Conditions	:	Annexure -II
Bill of Quantity (UN-PRICED BID) & Drawing	:	Annexure - III
Documents to be uploaded	:	Annexure-IV
Declaration of the Bidder	:	Annexure-V
Bidder's Information	:	Annexure-VI
Details of statutory levies	:	Annexure-VII
Bidder's Bank Details	:	Annexure-VIII
Priced Bill of Quantity	:	Annexure-IX

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PROCEDURE OF PAYMENT OF EARNEST MONEY AND BID DOCUMENT FEE THROUGH AXIS BANK GATEWAY

1. The Bidders would be able to access the payment gateway from the Vendor log in page of the MSTC ecommerce site (www.mstcecommerce.com → e-Procurement → Psu / Govt depts. → Kolkata Port Trust) under the icon: "**HDC EMD/Tender Fee Payment**". Clicking this icon will take the Bidders to the Axis bank gateway.

Alternatively, the Bidders can also access the gateway by from Axis bank easypay website site (<https://easypay.axisbank.co.in> → others → Haldia Dock Complex)

2. The Bidder will be required to mention the **Bidder's ID** (The ID used by the Bidder for logging in the MSTC Website) and **Bid Id** (E-tender Number of the Tender against which the Bidders intend to submit Bid) and then Click '**VALIDATE**'.
3. A webpage will populate where the Bidder will be required to select: **Earnest Money** Or **Bid Document Fee**, then indicate his Mobile Number and the CAPTHA displayed in the webpage.
4. Depending on the selection, another webpage will come up.
5. In case of selection of Earnest Money, The bidder will be required to select the option of **With or Without Bank Guarantee**. In case of Bids, where there is no option to pay through BG, the Bidders should select the option '**Without**'.

In case of any tender, where there is an option to pay a part of EM through Bank Guarantee and the Bidders wants to avail that option, the bidder should select 'With'.

6. The Bidder will be required to mention their Bank Account Number, IFSC Code of his Bank, and the Name of the Account, insert the Captha mentioned in the web page and then '**SUBMIT**'. In case of Bid Document Fee payment, Bank Account Number would not be required.

An URN Number will be generated. Bidders may keep note of this URN Number for all future reference.

7. Another webpage will come up and the Bidder will have the option to select payment methods from - (i) Internet Banking and (ii) NEFT/RTGS after agreeing with the terms and conditions by clicking the dialogue box appearing in the webpage.
8. In case of selection of Internet Banking, the bidder will be required to select any Bank of their choice and depending on the selection the bidder will then be guided to the webpage of the respective Bank. After validating the payment in the respective bank, the system will return to the Axis Bank Payment gateway.
9. In case of selection of RTGS/NEFT, the webpage will generate a payment advice.

The **Bank Account Number**, **IFSC Code of the Bank**, **Name of the payee i.e Haldia Dock Complex** and **the amount to be paid** will be indicated in the said payment advice. The Bidders will also get an SMS and Email detailing the same.

The Bidder will be required to mention the same correctly in the Bank challan which is required to be filled up for payment by RTGS/NEFT in the bank from where they intend to make the payment.

The Bidders should note that Bank A/C number of HDC mentioned in the Payment advice will change for each and every transaction and hence for each and every payment the entire process from the beginning will have to be followed for generation of a URN Number.

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10. For payment of Bid Document fee, identical process is to be followed.
11. The Bidders will be able to know the status of their payment by using the 'Enquire URN' facility by mentioning the URN Number in the Axis Bank login page. Until such time the payment is credited to HDC's A/C the system will show the status as 'Pending'.
12. The Bidders should note that until such time the status remains 'Pending', the payment is not made to HDC and mere generation of URN Number will not signify payment of EM or Bid Document Fee. Hence, if the status remains 'Pending' after some time of submitting the RTGS/NEFT payment request at their Bank, then the bidder should contact their Bank to enquire about the status of RTGS/NEFT request.
13. In case of any problem relating to use of the payment gateway the bidder should contact the tender inviting authorities whose phone number and email address is mentioned in the e-tender.

Important Instructions for E-procurement

This is an e-procurement event of HALDIA DOCK COMPLEX. The E-procurement service provider is MSTC Ltd., 225C, A.J.C. Bose Road, Kolkata-700 020.

Bidders are requested to read the Commercial terms & conditions (**Annexure- II**) of this tender before submitting their online tender. Tenderers who do not comply with the conditions with documentary proof (wherever required) will not qualify in the Tender for opening of price bid.

1. Process of E-tender :

A) Registration: The process involves vendor's registration with MSTC e-procurement portal which is free of cost. Only after registration, the vendor(s) can submit his/their bids electronically. Electronic Bidding for submission of Techno-commercial Bid as well as Price bid will be done over the internet. The Vendor should possess Class III signing type digital certificate. Vendors are to make their own arrangement for bidding from a P.C. connected with Internet. MSTC is not responsible for making such arrangement. (Bids will not be recorded without Digital Signature).

SPECIAL NOTE: THE TECHNO-COMMERCIAL AND THE PRICE BID HAS TO BE SUBMITTED ON-LINE AT www.mstcecommerce.com/eprochome/

1). Vendors are required to register themselves online with www.mstcecommerce.com → e-Procurement → PSU/ Govt depts → Select KoPT's Logo → Register as Vendor - Filling up details and creating own user id and password → Submit.

2). Vendors will receive a system generated mail confirming their registration in their email which has been provided during filling the registration form.

In case

Tenderers are requested to submit bid keeping sufficient time in hand. They should not wait for last minute to avoid any problem.

In case of any clarification, please contact HDC/MSTC, (before the scheduled time of the e- tender).

Contact person (Haldia Dock Complex):

1. Mr. K. K. Singh
Asst. Manager(MM)
Haldia Dock Complex
Ph. No. 03224 264971
Mb. No. 7478007301
Email – kksingh.hdc@nic.in

2. Mr. S.P. Bhattacharjee
Sr. Dy. Manager(MM)
Haldia Dock Complex
Ph. No. 03224 263266
Mb. No. 94340 63649
Email - spb.hdc@nic.in

Contact person (MSTC Ltd):

1. Mr. S. Mukherjee
Deputy. Manager (e-Commerce)
Mobile No: 07278030407
Landline: 03322901004
Email-smukherjee@mstcindia.co.in

2. Ms S. Maity
Asstt. Manager (e-commerce)
Mobile- 9831155225
Landline: 03322901004
Email: smaity@mstcindia.co.in

Google hangout ID(for test chat)-mstceproc@gmail.com

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	<p>B) System Requirement:</p> <p>i) Windows 7 or above Operating System</p> <p>ii) IE-7 and above Internet browser.</p> <p>iii) Signing type digital signature</p> <p>iv) Latest update JRE 8 (x86 Offline) software to be downloaded and installed in the system.</p> <p>To disable "Protected Mode" for DSC to appear to appear in the The signer box following setting may be applied.</p> <ul style="list-style-type: none"> Tools => Internet Options => Security => Disable protected Mode If enabled- i.e, Remove the tick from the tick box mentioning "Enable Protected Mode". Other Settings: <p>Tools => Internet Options => General => Click On Settings under "browsing history/ Delete Browsing History" => Temporary Internet Files => Activate "Every time I Visit the Webpage".</p> <p>To enable ALL active X controls and disable 'use pop up blocker' under Tools→Internet Options→custom level (Please run IE settings from the page www.mstcecommerce.com once)</p>
2.	<p>(A) Part I Techno-Commercial bid will be opened electronically on specified date and time as given in the NIT. Bidder(s) can witness electronic opening of bid.</p> <p>(B) Part II Price bid will be opened electronically of only those bidder(s) whose Part I Techno-Commercial Bid is found to be Techno-Commercially acceptable by HDC. Such bidder(s) will be intimated date of opening of Part II Price bid, through valid email confirmed by them.</p>
3.	All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.
4.	<p><u>Special Note towards Transaction fee:</u> The vendors shall pay the transaction fee using "Transaction Fee Payment" Link under "My Menu" in the vendor login. The vendors have to select the particular tender from the event dropdown box. The vendor shall have the facility of making the payment either through NEFT or Online Payment. On selecting NEFT, the vendor shall generate a challan by filling up a form. The vendor shall remit the transaction fee amount as per the details printed on the challan without making change in the same. On selecting Online Payment, the vendor shall have the provision of making payment using its Credit/ Debit Card/ Net Banking. Once the payment gets credited to MSTC's designated bank account, the transaction fee shall be auto authorized and the vendor shall be receiving a system generated mail.</p> <p><u>Transaction fee is non-refundable.</u></p> <p>A vendor will not have the access to online e-tender without making the payment towards transaction fee.</p> <p>NOTE : Bidders are advised to remit the transaction fee well in advance before the closing time of the event so as to give themselves sufficient time to submit the bid.</p>
5.	Information about tenders /corrigendum uploaded shall be sent by email only during the process till finalization of tender. Hence the vendors are required to ensure that their corporate email I.D. provided is valid and updated at the time of registration of vendor with MSTC. Vendors are also requested to ensure validity of their DSC (Digital Signature Certificate).
6.	E-tender cannot be accessed after the due date and time mentioned in NIT.
7.	<p>Bidding in e-tender :</p> <p>a) Vendor(s) need to submit necessary EMD, Tender fees and Transaction fees (If ANY) to be eligible to bid online in the e-tender. Tender fees and Transaction fees are non refundable. No interest will be paid on EMD. EMD of the unsuccessful vendor(s) will be refunded by the tender inviting authority.</p> <p>b) The process involves Electronic Bidding for submission of Technical and Commercial Bid.</p> <p>c) The vendor(s) who have submitted transaction fee can only submit their Technical Bid and Commercial Bid through internet in MSTC website www.mstcecommerce.com → e-procurement →PSU/Govt depts→ Login under KoPT's logo →My menu→ Auction Floor Manager→ live event →Selection of the live event</p>

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7.	<p>d) The vendor should allow running JAVA application. This exercise has to be done immediately after opening of Bid floor. Then they have to fill up Common terms/Commercial specification and save the same. After that click on the Technical bid. If this application is not run then the vendor will not be able to save/submit his Technical bid.</p> <p>e) After filling the Technical Bid, vendor should click 'save' for recording their Technical bid. Once the same is done, the Commercial Bid link becomes active and the same has to filled up and then vendor should click on "save" to record their Commercial bid. Then once both the Technical bid & Commercial bid has been saved, the vendor can click on the "Final submission" button to register their bid</p> <p>f) Vendors are instructed to use <i>Attach Doc button</i> to upload documents. Multiple documents can be uploaded.</p> <p>g) In all cases, vendor should use their own ID and Password along with Digital Signature at the time of submission of their bid.</p> <p>h) During the entire e-tender process, the vendors will remain completely anonymous to one another and also to everybody else.</p> <p>i) The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.</p> <p>j) All electronic bids submitted during the e-tender process shall be legally binding on the vendor. Any bid will be considered as the valid bid offered by that vendor and acceptance of the same by the Buyer will form a binding contract between Buyer and the Vendor for execution of supply.</p> <p>k) It is mandatory that all the bids are submitted with digital signature certificate otherwise the same will not be accepted by the system.</p> <p>l) Buyer reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof.</p> <p>m) No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any vendor confirms his acceptance of terms & conditions for the tender.</p>
8.	Any order resulting from this tender shall be governed by the terms and conditions mentioned therein.
	No deviation to the technical and commercial terms & conditions are allowed.
10.	The tender inviting authority has the right to cancel this e-tender or extend the due date of receipt of bid(s) without assigning any reason thereof.
11.	Vendors are requested to read the vendor guide and see the video in the page www.mstcecommerce.com/eprchome to familiarize them with the system before bidding.
12.	<u>Bidding in e-tender & Reverse auction:</u>
a.	Bidder(s) need to submit necessary EMD, Tender fees (if any) and Transaction fees to be eligible to bid online in the e-tender. Tender fees and Transaction fees are non refundable. No interest will be paid on EMD. EMD of the unsuccessful bidder(s) will be refunded by HDC. Bank details i.e. name of bank & address, Current a/c no, IFS Code to be mentioned by the tenderer for refund.
b.	The process involves Electronic Bidding for submission of Techno Commercial Bid as well as Price Bid.
c.	The bidder(s) who have submitted the above fees can only submit their Techno Commercial Bids and Price Bid through internet in MSTC website www.mstcecommerce.com → e-procurement →Psu/Govt depts→ Login →My menu→ Auction Floor Manager→ live event →Selection of the live event→ Techno Commercial Bid.
d.	The bidder should allow to run an application namely enApple by accepting the risk and clicking on run. This exercise has to be done twice immediately after clicking on the Techno-Commercial bid. If this application is not run then the bidder will not be able to save/submit his bid.

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e.	After filling the Techno-Commercial Bid, bidder should click 'save' for recording their Techno-Commercial bid. Once the same is done, the Price Bid link becomes active and the same has to be filled up and then bidder should click on "save" to record their price bid. Then once both the Techno-Commercial bid & price bid has been saved, the bidder can click on the "Submit" button to register their bid
NOTE: - The Techno-Commercial Bid & price bid cannot be revised once the submit button has been clicked by the bidder.	
a.	In all cases, bidder should use their own ID and Password along with Digital Signature at the time of submission of their bid.
b.	During the entire e-tender process, the bidders will remain completely anonymous to one another and also to everybody else.
c.	The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.
d.	All electronic bids submitted during the e-tender process shall be legally binding on the bidder. Any bid will be considered as the valid bid offered by that bidder and acceptance of the same by the Buyer will form a binding contract between Buyer and the Bidder for execution of supply. Such successful tenderer shall be called hereafter SUPPLIER .
e.	It is mandatory that all the bids are submitted with digital signature certificate otherwise the same will not be accepted by the system.
f.	Buyer reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof.
g.	No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any bidder confirms his acceptance of terms & conditions for the tender.
h.	Unit of Measure (UOM) is indicated in the e-tender Floor. Rate to be quoted should be in Indian Rupee as per UOM indicated in the e-tender floor/tender document.
13	Any order resulting from this open e-tender shall be governed by the terms and conditions mentioned therein.
14	No deviation to the technical and commercial terms & conditions are allowed.
15	After submitting online bid, the bidder cannot access the tender, once it has been submitted with digital signature
16	HDC has the right to cancel this e-tender or extend the due date of receipt of bid(s) without assigning any reason thereof.
17	The online tender should be submitted strictly as per the terms and conditions and procedures laid down in the website www.mstcecommerce.com / eprochome / mstc of MSTC Ltd.
18	The bidders must upload all the documents required as per terms of NIT. Any other document uploaded which is not required as per the terms of the NIT shall not be considered.
19	The bid will be evaluated based on the filled-in technical & commercial formats.
20	The documents uploaded by bidder(s) will be scrutinized. In case any of the information furnished by the bidder is found to be false during scrutiny, EMD of defaulting bidder(s) will be forfeited. Punitive action including suspension and banning of business can also be taken against defaulting bidders.
21	Necessary addendum/ corrigendum (if any) of tender would only be hosted in the e-tendering portal of M.S.T.C.
22	Micro & Small Enterprises (MSEs) registered with NSIC (under single point registration scheme) are exempted from depositing Cost of Tender Document and Earnest Money having valid NSIC Certificate for MSEs along with DIC's (DISTRICT INDUSTRIES CENTRE) / Udyog Adhar Certificate.

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23	<p>Micro & Small Enterprises (MSEs) registered with NSIC under Single Point Registration Scheme (SPRS) are eligible to get the benefits under new Public Procurement policies for MSEs as notified by Govt. of India, Ministry of Micro, Small & Medium Enterprises (MSME) vide Gazette Notification, dated 26.03.2012.</p> <p>When splitting of tender quantity is not possible purely on technical ground, trustees reserve the right not to negotiate price with MSE if their price is within the band of L1+15% in comparison with L1 price of non-MSE for consideration of award of order for 20% of tender quantity against any item as per new public procurement policy.</p>
24	<p>If Micro & Small Enterprises (MSEs) registered with NSIC intends to participate in the tender, for the items they are not registered with NSIC, then they will have to deposit cost of Tender Document, full amount of Earnest Money as per NIT. Otherwise their offer for those items will not be considered.</p>
25	<p>Copy of valid NSIC Certificate for MSEs along with DIC's (DISTRICT INDUSTRIES CENTRE) / Udyog Adhar Certificate has to be submitted along with the bid.</p>
26	<p>Due date of submission of tender will not be extended under any situation.</p>



**KOLKATA PORT TRUST
HALDIA DOCK COMPLEX**

Office of the M. M. Division, Jawahar Tower, 2nd Floor,
P.O.: -Haldia Township, Dist.: East Midnapore.
E-mail id: psbrahma@kopt.in
Fax No. 03224 263255

Commercial Terms & Conditions :

Annexure –II

Sl. No.	Terms & Conditions	Response
1.	Mere submission of Tender Document will not mean that a particular bidder will be automatically considered qualified and their bids will be entertained. Such qualification will be reviewed at the time of evaluation of bids also	AGREE
2.	Price Bids (Part-II) of only those eligible bidders whose Part-I Bids are complete and in order shall be opened on time and date to be intimated later separately.	AGREE
3.	Micro & Small Enterprises (MSEs) registered with NSIC (under single point registration scheme) are exempted from depositing Cost of Tender Document and Earnest Money having valid NSIC Certificate for MSEs along with DIC's(DISTRICT INDUSTRIES CENTRE) / Udyog Adhar Certificate.Certificate.	AGREE
4.	<p>i) Micro & Small Enterprises (MSEs) registered with NSIC under Single Point Registration Scheme (SPRS) are eligible to get the benefits under new Public Procurement policies for MSEs as notified by Govt. of India, Ministry of Micro, Small & Medium Enterprises (MSME) vide Gazette Notification, dated 26.03.2012.</p> <p>ii) When splitting of tender quantity is not possible purely on technical ground, trustees reserve the right not to negotiate price with MSE if their price is within the band of L1+15% in comparison with L1 price of non-MSE for consideration of award of order for 20% of tender quantity against any item as per new public procurement policy.</p> <p>iii) If Micro & Small Enterprises (MSEs) registered with NSIC intends to participate in the tender, for the items they are not registered with NSIC, then they will have to deposit cost of Tender Document, full amount of Earnest Money as per NIT. Otherwise their offer for those items will not be considered.</p>	AGREE
5.	Copy of valid NSIC Certificate for MSEs along with DIC's (DISTRICT INDUSTRIES CENTRE) / Udyog Adhar Certificate has to be submitted along with the bid.	AGREE
6.	Tenders without requisite Earnest Money are liable to be rejected excepting in case of Micro & Small Enterprises (MSEs) registered with NSIC (under single point registration scheme) for items for which the tender is invited.	AGREE
7.	Due date of submission of tender will not be extended under any situation.	AGREE

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8. SCOPE OF WORK

AGREE

Scope of work will include manufacture, supply and delivery of Marshalling Beetles and spares for Marshalling & Charging Beetles for Coal Handling Plant, Haldia Dock Complex as per Bill of Quantities.

**9. TECHNICAL SPECIFICATION:
WORKING CONDITION:**

Marshalling Beetle is used for hauling 15-20 Nos. loaded BOX N wagons, each carrying approximately 60 MT of Coal to feed the wagon tippler.

9.1 TECHNICAL PARAMETERS & SPECIFICATIONS:

Marshalling Beetle will be in a single piece as shown in GA Drawing No. 210.114 and will run on 90 lb rail placed between standard 60 kg BG rail as shown in the aforesaid drawing. The forward and reverse ropes will be of 38mm & 20mm diameter respectively with standard sockets. The above rope fixing arrangements are to be provided. Bidders should visit the site conditions of Ore & Coal Handling Plant before submitting their offer.

9.2 PAINTING:

All exposed surface of the fabricated structures should be sand blasted and painted with 2 coats of zinc rich epoxy primer and minimum 2 coats of coal tar epoxy finish paint of reputed make viz. Berger/Shalimar/Jenson & Nicholson/Asian/ICI. Overall paint thickness should not be less than 225 microns.

All unexposed surface shall be painted with one coat of zinc chromate red oxide primer and one coat of high build black paint. All paints to be of above mentioned reputed make.

9.3 DRAWINGS:

Marshalling Beetles and spares for charging and Marshalling Beetle thereof for Coal Handling Plant are to be manufactured as per following drawings:

<u>Sl. No.</u>	<u>Drawings related to 210-114</u>	<u>Drawing No.</u>	<u>Description</u>	<u>No. of Sheets.</u>
01.	Draw Bar Roller Assembly.	210-028 210-029 210-030 210-031	Roller Assembly. Pin. Shell for Roller Assembly. Components for Roller Assembly.	4 Sheets.
02.	Skid Block Assembly with Bracket.	210-012 R2 210-121 R1	Arrangement of Skid Blocks Body Wheel & its Brackets of Charging & Marshalling Beetle. Arrangement of Skid Block/Skid Wheel/Body Wheel & its Brackets of Charging & Marshalling Beetle.	2 Sheets.
03.	Body Wheel Assembly with Bracket Skid Wheel Assembly with Bracket.	210-012 R2 210-121 R1 210-032 R2	Arrangement of Skid Blocks Body Wheel & its Brackets of Charging & Marshalling Beetle. Arrangement of Skid Block/Skid Wheel/Body Wheel & its Bracket of Charging & Marshalling Beetle. Body Wheel Assembly of Charging & Marshalling Beetle.	3 Sheets.

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04.	Propelling Arm ~ L/H.	210-059 210-060 210-054 210-024 R1 210-055 210-056	Propelling Arm Assembly (Left). Sector Arm (Left). Sector Arm (Right). Pin for Propelling Arm. Bottom Bush (for Propelling Arm Assembly) Bush (for Propelling Arm Assembly)	6 sheets
	~ R/H.	210-014 210-057 210-001 R1 210-058 210-117 R1	Propelling Arm Assembly (Right). Washer for Propelling Arm Assembly (Pivot Pin). Roller. Spring. Roller Cap.	5 Sheets
05.	Rack Assembly, Pin & Link for Rack.	210-076 R1 210-077 R1 210-078 R1 210-081 210-082 210-083 R1	Rack Assembly. Link Assy. (Draw Bar Assy. of Charging & Marshalling Beetle). Draw Bar Link. Rack. Pin for Roller Assembly. Pin for Roller Assembly.	6 Sheets
06.	Draw Bar Assembly.	210-061 R1 210-084 R1 210-085/ (1-6)	Draw Bar Assembly for (Charging & Marshalling Beetle). Stopper Block. Link for Charging Beetle.	3 Sheets
07.	Body Assembly – III.	210-003 R1	Bottom Plate Assy. of Body III of C/B & M/B – Sheet 1 of 2 & Bottom Plate Detail of Body III of C/B & M/B – Sheet 2 of 2.	4 Sheets
		210-008 R1	Top Plate Assy. of Body III – Sheet 1 of 2 & Detail of Top Plate of Body III – Sheet 2 of 2.	
08.	G.A. Drawing.	210-114	General Arrangement drawing of Charging & Marshalling Beetles.	1 Sheet.

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|-----|--|-------|
| 10. | The terms and conditions of tender shall be read in conjunction with the general condition of contract. Specification, bill of quantity and other documents forming part of this contract wherever the contract so requires. | AGREE |
| 11. | The several documents forming the Contract shall be taken, as mutually explanatory to one another and in case of any discrepancies; the Bill of Quantities shall prevail over the Specifications and the Terms and Conditions over the General Conditions of Contract. In case of any dispute, question or difference either during the execution of the Contract or any other time as to any matter or thing connected with or arising out of this Contract, the decision of the Manager (MM), Haldia Dock Complex, thereon shall be final and binding upon all parties. | AGREE |
| 12. | The Contract will include the Client's Bid Documents with the General Conditions of Contract and the Bidder's Offer as finally accepted by the Client, together with Addenda, if there be any. Trustees' General Conditions of contract is the integral part of the tender / contract. The above mentioned General Conditions of Contract may be inspected at the office of the undersigned on any working day before quoting for the Tender. General Conditions of Contract is also available at HDC's website (www.haldiadock.gov.in). | AGREE |
| 13. | The Trustees also reserve the right to obtain revised commercial bid to the extent and in areas required from the technically acceptable bidders. | AGREE |
| 14. | The Trustees are not bound to accept the lowest or any Tender and reserve the right to accept a tender in full or in part and / or reject a tender in full or in part without assigning any reason thereof. | AGREE |
| 15. | The contract shall be governed by all relevant Indian Acts applicable only within the jurisdiction of the High Court at Kolkata. | |
| 16. | Intending bidders must take into account any cost or expense incurred by them in connection with the preparation and delivery of their bids or for any other expenses incurred in connection with such bidding. | AGREE |
| 17. | Bidders are advised to visit the Coal Handling Plant Site/Store, P & E Division, Haldia Dock Complex prior to submission of their bid. Bidder shall get himself thoroughly familiarized with the site conditions, existing road facilities for carrying materials etc. before submission of the tender. He may contact the Manager of M.M. Division or his authorized representative at his office at Jawahar Tower in this regard. Non compliance of the same will in no way relieve the successful bidder of any of his obligations in performing the work in accordance with this Bid Document within the quoted price. | AGREE |
| 18. | <u>VALIDITY</u>
The tender shall remain open for acceptance for a period of 120 days from the date of opening of the same.
If before expiry of this validity period, the Bidder amends his quoted rates or tender, making them unacceptable to the Trustees and / or withdraws his tender, the Earnest Money deposited shall be liable to forfeiture at the option of the Trustees / sanctioning Authority. | AGREE |
| 19. | <u>NON- RESPONSIVE BIDDER</u>
The offer/tender shall be treated as non-responsive, if :
i) 120 days validity from the date of opening of techno-commercial bid is not accepted / agreed to as per tender condition.
ii) Offer / tender is submitted with any deviation from the tender terms & conditions. | AGREE |

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20. **EARNEST MONEY AND SECURITY DEPOSIT**

AGREE

i) The Earnest Money received will be refunded or released as the case may be to the unsuccessful Bidder without any interest subject to the provisions made in clause above. The Earnest Money of the successful Bidder will be retained and converted to as a part of the Security Deposit.

ii) The Security Deposit shall be equal to 5% of the the total Landed Cost (excluding GST) of the order. Balance Security Deposit shall have to be deposited by Banker's Cheque or by Demand Draft of any Scheduled/ Nationalised Bank of India drawn in favour of Kolkata Port Trust and payable at Haldia, by the successful Bidder within 30 days from the date of placement of order. Failing this, the Trustees reserve the right to cancel the acceptance and forfeit the Earnest Money.

The Security Deposit shall be refunded without interest after the successful execution of the order and completion of guarantee period

iii) If the contract value aggregates to Rupees one lakh and above, the supplier may offer a Bank Guarantee in the Trustees' specified Pro-forma from any Scheduled/ Nationalized Bank of India from Kolkata / Haldia branch in lieu of Security Deposit. The Bank Guarantee shall have to be valid for at least 13 months from the date of last supply & acceptance of materials.

iv) In the event of the successful bidder failing to execute the order within the stipulated delivery period without sufficient reasons acceptable to the Trustees, the Security Deposit may be forfeited and the order be cancelled at the option of the Trustees'.

21. **PRICING OF BIDS**

AGREE

i) **Price should be quoted F.O.R HDC's site/store at Haldia including charges for packing, forwarding, loading, stacking, transportation, unloading, and transit risk, necessary for the complete services as described in the documents i.e. on free delivery basis upto HDC's site/store at Haldia, but excluding GST.**

ii) **The Bidder shall state clearly the percentage of GST that will be charged extra over his quoted rates, in Annexure-VII.**

iii) Orders may be placed in parts. Each bidder shall keep in mind while quoting his rate against any item that, in the event of part order being placed, his quoted rate against the ordered item, shall form the basis of the subject order. Price(s) to be quoted should remain firm till the entire supply of goods is completed.

iv) No Price escalation is admissible other than statutory increase in GST. In case of decrease in rates of statutory GST, the price would be correspondingly decreased.

v) Any modification (addition /deletion /alteration of GST) in taxes by the GOI shall be applicable.

22. **EVALUATION CRITERIA**

AGREE

i) Evaluation will be made on the lowest (L1) landed price **excluding GST** quoted against individual item among the techno-commercially qualified bids subject to the fulfilment of necessary Tender conditions and benefits will be extended to MSEs registered with NSIC as per New Public Procurement Policy as notified by the Government of India, Ministry of Micro, Small & Medium Enterprises (MSME) in The Gazette of India vide No. 503, dated 26.03.2012. When splitting of tender quantity is not possible purely on technical ground, trustees reserve the right not to negotiate price with MSE if their price is within the band of L1+15% in comparison with L1 price of non-MSE for consideration of award of order for 20% of tender quantity against any item as per new public procurement policy. It is not obligatory on the part of the Trustees to accept the Lowest Tender. They reserve the right to accept a Tender in full or in part and / or reject a Tender without assigning any reason thereof.

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ii) In the event of Part Order being placed, the rate(s) against each of the item(s) constituting the order shall be identical to the rate(s) for the corresponding item(s) quoted in the Price Bid, tender terms and conditions shall also remain unaltered. Irrespective of whether order is placed on part or, on the whole of the BOQ no plea for subsequent withdrawal or the amendment will be entertained.

iii) The suppliers shall comply with all requirements of the GST to enable KoPT to avail full credit on buyer's GST. The payment of GST element shall be subject to compliance of the same.

23. GST:

AGREE

The suppliers shall comply with all requirements of the GST to enable KoPT to avail full credit on buyer's GST. The payment of GST element shall be subject to compliance of the same.

24. PAYMENT :

AGREE

Payment will be made on the basis of actual supply and delivery of materials in good condition and acceptance of the same at designated points and on submission of Bill accompanied with Inspection Certificate, if any, and challan duly signed by consignee or his authorized representative. The bills should be submitted in quadruplicate to Manager (MM)'s Office with necessary documents e.g., receipted challan in duplicate, Excise Invoice with Cenvatable Transporter's copy (if applicable), test certificate, guarantee certificate inspection report, if any.

Payment will be made against supplier's clear bill within 30(thirty) days of receipt of satisfactory acceptance of materials at central store/ site. Payments shall be credited to supplier's bank account through NEFT/RTGS mechanism at all centers where such facilities are available in the bank. Accordingly bidders are requested to submit their bank Account No with the name and address of the bank along with the branch name account no. and IFS code number in the bill.

25. TIME OF COMPLETION AND DELIVERY :

AGREE

Delivery of the materials must be completed within **120(one hundred twenty) days** from the date of receipt of order by the supplier. Materials shall be delivered by the supplier to HDC's site/store at Haldia at their cost, risk and responsibility.

Delivery period shall binding on the supplier. If delivery of materials is not made within the time undertaken without sufficient reasons acceptable to the Trustees, the order may be cancelled without notice at the option of Trustees. In the event of failure to execute the order, Trustees will take penal action against the supplier and his name will be removed from the list of approved suppliers. In case of default in supply or, failure to deliver as per correct specification or, the approved quality within the time stipulated Trustees are entitled to purchase the Items from any other source at the risks, costs and expenses of the supplier. Such purchase may comprise the whole or, any portion of the supply remaining undelivered or, not approved.

The successful Bidder must make their own arrangements for delivery of all materials, as well as for careful and proper unloading and stacking at HDC's Store/Site. The responsibility for preventing damage / deterioration to the materials during transit, delivery, unloading and stacking at the designated point shall rest with the Supplier. All transit risk will be to supplier's account. The Bidder must send advance intimation to the concerned Officer as to the proposed dates of delivery of each and every installment of supply together with a list showing quantity and particulars of the material in the consignment. Materials will not be accepted if not accompanied by the authorized representative along with proper Delivery Challan, Inspection/Test Certificate, Guarantee Certificate and other related documents. Delivery of materials will not be accepted on Sundays and Holidays. No lorry shall be permitted into the protected area during night-time. Detention of lorries, if any, will be on supplier's account. The authorized representative of the Bidder should be present at the time of delivery.

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26. DESPATCH ARRANGEMENTS

AGREE

The supplier shall be fully responsible for any transit loss or damage to the materials. The supplier shall send advance intimation as to the actual date of delivery of each and every installment of supply. Delivery of materials will not be accepted on Sundays and Port Holidays. The authorized representative of the suppliers should be present at the time delivery for jointly noting with the representative of Ko.P.T. the discrepancies, if any, regarding the particulars of materials actually delivered against the Challans for the same. Delivery will not be accepted if not accompanied with proper delivery challans (in quadruplicate) and other related documents like inspection certificates, etc. No lorry shall be permitted into the protected area during night-time. Detention of lorries, if any, will be on supplier's account.

27. INSPECTION AND TESTING:

AGREE

Inspection of materials shall be done by Trustee's authorized person (representative of P&E Division, HDC) as may be deployed by the Sr.Dy.Manager (P&E) at Manufacturer's works before delivery in stages and in case of third party inspection, the successful bidder shall extend all co-operation to them in the same manner as is to be extended to KoPT/HDC's representative.

The successful tenderer should provide a clear 10 days time, from the date of receipt of inspection offer by HDC. i.e. Notice period of 10 days is required for carrying out inspection.

The materials supplied by the supplier should strictly conform to the laid down specification of tender/order.

Inspection will be carried out in stages as mentioned below by the Sr.Dy.Manager (P&E) or his authorized representative. Dispatch of Marshalling Beetle Assemblies and spares for charging and marshalling beetles can only be made after 2nd stage Inspection and clearance. Marshalling Beetle Assemblies will be accepted only after completion of 3rd stage Inspection & clearance, however, spares will be accepted after 2nd stage inspection and clearance.

1st STAGE INSPECTION:

FOR FABRICATION ITEMS:

Set wise in open condition before sand blasting/painting of all fabricated items and sub assemblies. Primer painting will be done only after getting clearance of sand blasting from HDC's inspector. Set wise in open condition after sand blasting/painting of all fabricated items and sub assemblies.

FOR MACHINING ITEMS:

All items set wise.

2nd STAGE INSPECTION:

All major assemblies and sub assemblies set wise.

3rd STAGE INSPECTION:

Set wise final assembly on rails & Trouble free movement of each Beetle/Beetle Assembly on rails with load is to be shown at HDC's site within 10 (ten) days of receipt of the same in consultation with officer in charge, Coal Handling Plant. No inspection would be carried out without the contractor's internal inspection clearance.

It is to be noted that the above inspection and subsequent dispatch clearance will not relieve the contractor of their responsibility of maintaining quality to guarantee performance.

If any operational and manufacturing defect would be found in any assembly/sub-assemblies during the performance guarantee period, repair/replacement of the same will have to be done by the contractor, free of cost, as stated earlier.

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- 28. GUARANTEE PERIOD** AGREE
The materials, with all accessories and attachments, shall have to be guaranteed by the supplier against the manufacturing defects or, poor performance for a period of 12 months from the date of commissioning or, 18 months from the date of delivery & acceptance, whichever is earlier. If any defect whatsoever develops during the Guarantee Period, the defective materials will have to be replaced/rectified, as the case may be, by the Bidder at their own cost.
- 29. CERTIFICATES:** AGREE
Guarantee Certificate and all Material Test Certificate related to tender drawings from Government/Government approved or registered test house must be produced at the time of inspection of the materials and along with the supply.
- 30. TRANSIT RISK :** AGREE
Transit risk will be on supplier's account since the delivery is to be made on F.O.R. Destination basis.
- 31. PERMITS :** AGREE
The successful Bidder shall have to obtain permits from the Central Store (MM Divn.), HDC at Chiranjibpur/Office of the Manager (MM), Jawahar Tower or as directed for entry of their vehicles and workers into the Trustees' Stores for unloading and stacking of the material. Such permits shall be issued to the Bidder against receipt of **proper application with payment of necessary charges** for the same during normal working hours on any working day.
- 32. LIQUIDATED DAMAGES** AGREE
If the successful bidder (supplier) fails to complete the entire supply within the stipulated date or, such the extension thereof as communicated by the Manager (Materials Management Division) in writing, the supplier shall pay, as compensation (Liquidated Damage) to the Trustees and not as a penalty, @½ % (half percent) of the total landed cost (excluding GST) of the delayed portion of the order for every week delay in supply (part of the week being treated as a full week). Provided always that the amount of such compensation shall not exceed 10% of the total landed cost (excluding GST)of the order.
- Without prejudice to any of their legal rights, the Trustees shall have the power to recover the said amount of compensation / damages as stated above, from any money due or, likely to become due to the supplier. The payment or deduction of such compensation / damages shall not relieve the supplier from his obligation to complete the supply order or, from any of his other obligations or liabilities under the contract.
- GST on L.D. amount as per law time being in force, shall be levied.
- Any delay on the following two accounts beyond the time period on account of HDC will be considered for non-imposition of L.D. provided the bidder submits documentary evidence to substantiate the same.
1. 15 days time for inspection from the date of receipt of supplier's inspection call letter.
 2. 12 days time from the date of receipt of supplier's waybill request letter by HDC to the date of receipt of Waybill by the supplier from HDC.
- 33. RISK PURCHASE :** AGREE
In case of supplier's failure and at the absolute discretion of the Manager (MM), the work may be ordered to be completed by some other agency at the risk and expense of the supplier (successful tenderer) after a minimum three days' notice in writing has been given to the supplier by the Manager (M.M.) or, his representative. In case of risk purchase extra cost will be borne by the supplier(successful tenderer).

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34. **BANNED OR DE - LISTED CONTRACTORS** AGREE
Bidders must give a declaration to the effect that they have not been banned or, de-listed by any Government or, Quasi-Government Agency or, PSU. If a Bidder has been banned / de-listed by any Government or, Quasi-Government Agency or PSU, the details of any such ban must be clearly stated along with relevant documents which the Bidder is to enclose together with Techno-Commercial Bid. Incorrect declaration or suppression of facts will lead to rejection of the Offer
35. **FORCE MAJEURE** AGREE
In the event of either party being rendered unable by Force Majeure to perform any obligation required to be performed by them under the contract, the relative obligation of the Party affected by such Force Majeure shall upon notification to the other Party be suspended for the period during which Force Majeure event lasts. The cost and loss sustained by either party shall be borne by respective parties The Term 'FORCE MAJEURE' as employed herein shall mean acts of God, Earthquake, Floods and Hurricane / Cyclone, War, Revolution, Riot, Fire, Strike excluding Strike by the employees of the Supplier or their Sub-contractors. Upon the occurrence of such cause the party alleging that it has been rendered unable as aforesaid, shall notify the other party in writing immediately but not later than 7 (seven) days of the alleged beginning thereof giving full particulars and the satisfactory evidence in support of its claim.
36. **PACKING OF MATERIALS :** AGREE
The Supplier shall be responsible for proper packing and delivery of Stores. The materials should be packed by the Supplier/Manufacturer at their own cost for protection against any damage, loss, breakage or leakage etc.
37. **JURISDICTION OF COURT** AGREE
The contract shall be governed by all relevant Indian Acts applicable within the jurisdiction of High Court at Calcutta.
38. **WORKMEN COMPENSATION** AGREE
The successful bidders must cover his employees / workers, who will be engaged for delivery, unloading & stacking job at HDC's site, under workmen compensation act, fatal accident act and personal injuries insurance act for protection against any injury / accident and shall have to bear all the consequences and cost as applicable as per relevant acts.
39. **PERSONAL PROTECTIVE EQUIPMENT (PPE)** AGREE
Suppliers and his workmen including driver & helper must use PPE i.e. Safety Helmet etc. at the time of supply of materials inside the Dock premises

Annexure-III

(To be downloaded, filled up, signed, scanned and uploaded)

Tender for supply & delivery of Marshalling Beetle and spares for Charging & Marshalling Beetle for Coal Handling Plant, Haldia Dock Complex.

BILL OF QUANTITIES (UN-PRICED BID)

[BIDDERS NOT TO QUOTE HERE]

BOQ Item No.	Description of Item	Unit	Qty.	Offered Specification (If specification is same please write "Yes" & "Make/Brand") (No other specification will be accepted)
1	Marshalling Beetle body complete assembly as per general arrangement drawing No. 210.114 of HDC, KoPT. And all other drawings related to drawing No. 210.114.	sets	2	
2	Spares for Draw Bar Roller Assembly of drawing no. 210.028 of HDC / KoPT. Item No.1, 2, 3 & 4 of component drawing no.210.031 of HDC / KoPT.	nos.	30 each (30x4=120)	
3	Pin for Body Wheel (Junction), [60 mm Diameter x 166 mm Length], as per drawing no. 210.032 R2 of HDC, KoPT [Item no. 5].	nos.	7	
4	Pin for Skid Block / body wheel of 60 mm Dia x 130 mm length, related to Drawing No. 210.121 R1 , Item No. 3	nos.	8	
5	Pivot Pin for propelling arm Assembly related to Drawing No. 210.024 R1	nos.	6	
6	Body wheel assembly fitted with bearing No. NU 2312 (SKF / FAG make) with cover related to Drawing No. 210.032 R2 , Item No. 1, 2, 3 & 4	sets	12	
7	Washer for propelling Arm Assembly, related to Drawing No. 210.057	nos.	8	
8	Right Hand Male Bracket, related to Drawing No. 210.121 R1 and 210.012 R2 of HDC / KoPT	nos.	2	
9	Right Hand Female Bracket, related to Drawing No. 210.121 R1 and 210.012 R2 of HDC / KoPT.	nos.	2	
10	Left Hand Male Bracket, related to Drawing No. 210.121 R1 and 210.012 R2 of HDC / KoPT.	nos.	2	
11	Left Hand Female Bracket, related to Drawing No. 210.121 R1 and 210.012 R2 of HDC / KoPT.	nos.	2	
12	Pin for Rack assembly related to Drawing No. 210.082	nos.	8	

Signature of Tenderer with Office Seal

Documents to be downloaded ,filled up, signed, scanned and uploaded**1.Pre-Qualification Criteria of Tenderers:**

Following documents for meeting the pre-qualification criteria should be uploaded by the tenderer alongwith offer otherwise their offer may be rejected : -

<p>1.The prospective bidder(s) should submit credential for supply of charging beetles or marshalling beetles or its spares or items involving forging / casting / fabrication including machining work of ₹6,60,000.00 (Rupees six lakhs sixty thousand) minimum in any number of orders, during last 5 (five) years, to Govt., PSU or Public / Private organization which should be substantiated by producing PURCHASE ORDER copy along with any one or more of the following documents :</p> <ul style="list-style-type: none"> i) Receipted Challan, ii) Certificate of Execution, iii) GRN, iv) Excise Invoice, v) Tax Invoice, vi) Consignment Note. <p>etc. as a proof of supply.</p> <p>The aforesaid documents are to be submitted as per following format with separate page.</p>				
Sl. No.	Item description with specification	Order nos. & date(with copies of purchase orders)	Nos. of Receipted challan / certificate of execution / GRN / Excise Invoice / Tax Invoice / Consignment Note etc. as a proof of supply (with copies of the same).	value of materials supplied in Rs
<p>2. Audited balance sheet and Profit & Loss account for the last 3 (three) financial years. Average annual financial turn over during the above mentioned period should be at least ₹ 3,30,000.00 (Rupees three lakhs thirty thousand only). If due dates (scheduled opening date of tender) falling within three months (April to June) of the closing of the latest financial year, the latest financial year may be ignored and financial turnover of the three years, year previous to the latest financial year may be considered.</p> <p>In case of the bidder is unable to submit audited accounts of last financial year (in case of tender opening date falling after June), due to non – completion of audit or for any other reason, he may be allowed to submit a certificate of turnover issued by the statutory auditor of the company / firm for the previous year.</p>				
3. GST Registration Certificate /Provisional ID Number				
4. Up-to-date Professional tax payment challan				

To be downloaded ,filled up, signed, scanned and uploaded

DECLARATION OF THE BIDDER

Manager (MM Division)
Haldia Dock Complex

I / We have examined carefully, read and understood the above Terms and Conditions, Specifications and General Conditions of Contract. I / We hereby tender and undertake to execute and complete all the works required to be performed in accordance with the Specifications, Bill of Quantities, General Conditions of the Contract and the Terms and Conditions as stated in the Tender and at rates and prices set out in the annexed Bill of Quantities within the time period as stated in the Tender. In the event of our Tender being accepted in full or, in part, I / we also hereby agree that the said Tender, Specifications, Bill of Quantities, General Conditions of Contract and the Terms and Conditions as stated in the Tender together with the acceptance thereof in writing by or, on behalf of the Trustees shall form the Contract.

I / We have deposited Requisite Earnest Money.

OR

I / We have submitted documentary evidences for Micro & Small Enterprises (MSEs) registered with NSIC (under single point registration scheme) **as per tender condition.**

I / We agree that the period for which the Tender shall remain open for acceptance shall not be **less than 120 days.**

Date :
Place :

Signature of Tenderer with Office Seal

Name : _____

Address: _____

Phone No & Fax No : _____

E-Mail ID: _____

BIDDER'S INFORMATION

Manager (MM),
Haldia Dock Complex

Tender No. HDC/MM/OT-13/22/156

Name of work/Item Description: Supply and delivery of Marshalling Beetle and spares for Charging & Marshalling Beetle (as per tender BOQ) for Coal Handling Plant, Haldia Dock Complex.

Name of the Company:

Address:

Contact Person Name:

Phone:

Fax:

E-Mail Address:

Have you studied the Pre-Qualification requirement of the selected tender? Yes / No

Is the company having Copy of VAT Registration Certificate / CST Registration Certificate (TIN)? Yes / No

Is the company having Current valid Professional Tax Payment Challan (PTPC)? Yes / No

Is the Company meeting the pre-qualifying criteria mentioned in the NIT? Yes / No

Confirm that you will furnish the documentary evidence against pre-qualification criteria along with your offer. Yes / No

Are you MANUFACTURERS / authorised dealers/ authorised stockists/ suppliers for the tendered materials? Please indicate your status. -----

(a) I / We hereby declare that I / We have not been banned or, de-listed by any Government or Quasi-Government Agency or Public Sector Unit.

(b) I / We hereby enclose the details of any banned / de-listed imposed on my / our agency by any Govt. / Quasi - Govt. Agency or, PSU.

[Please strike out the alternative which is not applicable in your case out of the following two and initial the same.]

I / We agree to upload the copies of pre-qualification documents as per the Notice Inviting Tender along with our offer. I / We undertake and confirm that in case we do not submit these Pre-qualifying document with our offer or the documents are not found in order by HDC / not acceptable to HDC, our tender shall be liable for rejection.

Signature of Tenderer with Office Seal

To be downloaded ,filled up, signed, scanned and uploaded

TO INDICATE THE FOLLOWING DETAILS OF STATUTORY LEVIES

SL. NO.	TARIFF HEAD	WHETHER APPLICABLE		
		YES		NO
		TICK MARK	%	TICK MARK
1.	CGST			
2.	SGST			
3.	IGST			

Signature of Tenderer with Office Seal

(Documents to be downloaded ,filled up, signed, scanned and uploaded)

ANNEXURE-VIII

Bidder's Bank Details

A/c No.	
A/c holder Name:	
Bank Name & Bank Address:	
Branch Name:	
IFSC:	

.....
Full Signature of the bidder with office seal

PART-II**ANNEXURE-IX****PRICED BILL OF QUANTITIES**

Tender for supply & delivery of Marshalling Beetle and spares for Charging & Marshalling Beetle (as per tender BOQ) for Coal Handling Plant, Haldia Dock Complex.

[BIDDERS NOT TO QUOTE HERE]

BOQ Item No.	Description of Item	Unit	Quantity	Unit Rate On F.O.R. upto HDC's Store at Haldia Basis (Landed Cost excluding GST)
				(Rs /unit)
1	Marshalling Beetle body complete assembly as per general arrangement drawing No. 210.114 of HDC, KoPT. And all other drawings related to drawing No. 210.114.	sets	2	
2	Spares for Draw Bar Roller Assembly of drawing no. 210.028 of HDC / KoPT. Item No.1, 2, 3 & 4 of component drawing no.210.031 of HDC / KoPT,	nos.	30 each (30x4=120)	
3	Pin for Body Wheel (Junction), [60 mm Diameter x 166 mm Length], as per drawing no. 210.032 R2 of HDC, KoPT [Item no. 5].	nos.	7	
4	Pin for Skid Block / body wheel of 60 mm Dia x 130 mm length, related to Drawing No. 210.121 R1, Item No. 3	nos.	8	
5	Pivot Pin for propelling arm Assembly related to Drawing No. 210.024 R1	nos.	6	
6	Body wheel assembly fitted with bearing No. NU 2312 (SKF / FAG make) with cover related to Drawing No. 210.032 R2, Item No. 1, 2, 3 & 4	sets	12	
7	Washer for propelling Arm Assembly, related to Drawing No. 210.057	nos.	8	
8	Right Hand Male Bracket, related to Drawing No. 210.121 R1 and 210.012 R2 of HDC / KoPT	nos.	2	
9	Right Hand Female Bracket, related to Drawing No. 210.121 R1 and 210.012 R2 of HDC / KoPT.	nos.	2	
10	Left Hand Male Bracket, related to Drawing No. 210.121 R1 and 210.012 R2 of HDC / KoPT.	nos.	2	
11	Left Hand Female Bracket, related to Drawing No. 210.121 R1 and 210.012 R2 of HDC / KoPT.	nos.	2	
12	Pin for Rack assembly related to Drawing No. 210.082	nos.	8	

▽ THE REST.

1. GRAIN REFINE TO BHN 240 - 270.
2. SURFACE HARDEN TO HRC 40-45.
3. ZONE 'A' & THREADS TO BE PROTECTED.
4. CASE DEPTH 2 mm.

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED

FOR TENDER PURPOSE ONLY.

REV.	DRG. GENERALLY REVISED.	CKD.	DT.	APVD.	DT.
1	DRG. GENERALLY REVISED.				
DESCRIPTION					
KOLKATA PORT TRUST					
HALDIA DOCK COMPLEX					
M(P&E)'S DRG. OFFICE					

SCALE:

1:1.

WT. IN K.G.

WAGON CHARGING DEVICE

3.91 (approx)

MATL: 42 Cr4 Mo 2

IS: 1570 Pt 14-88

APVD. DT.

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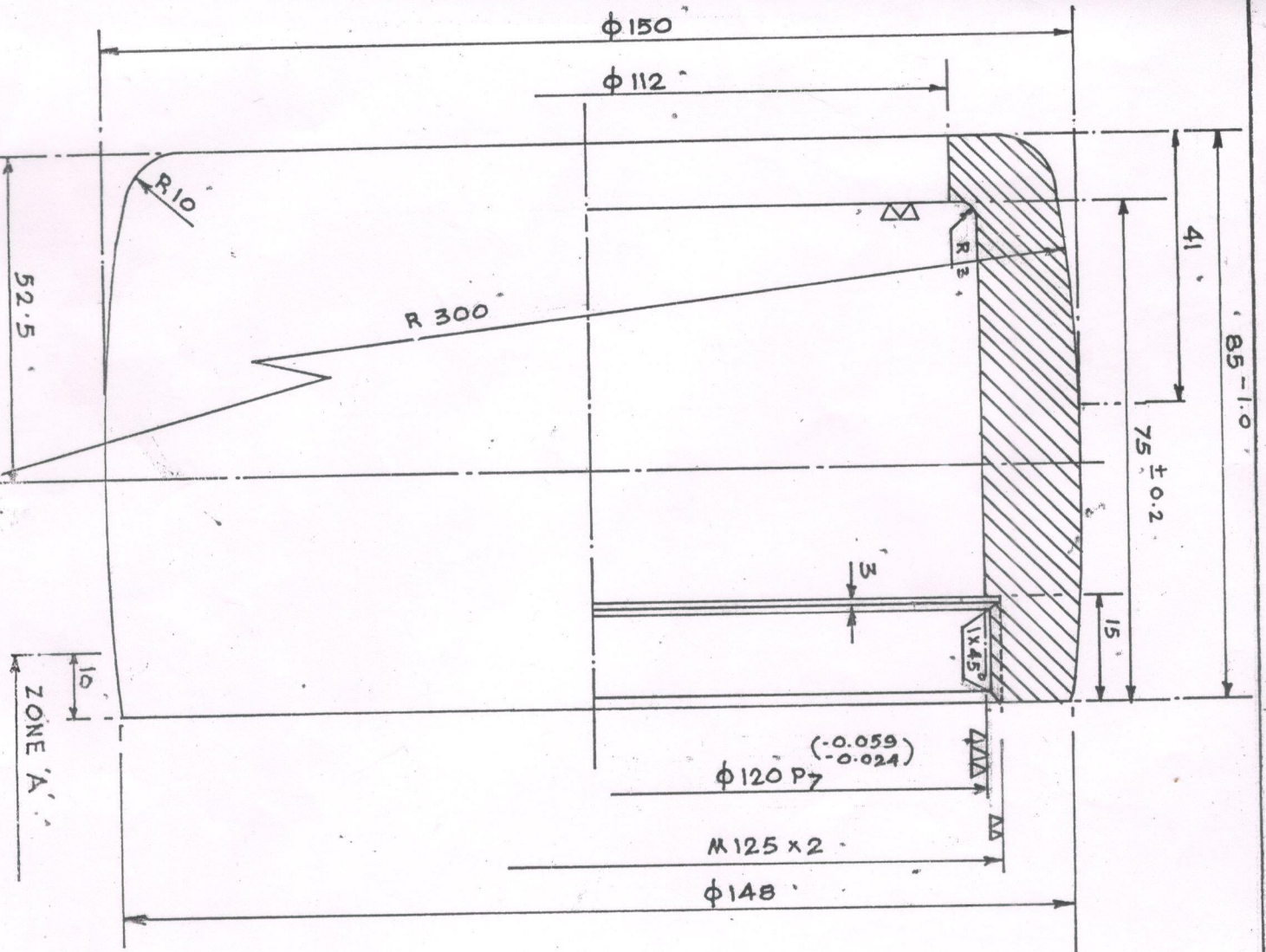
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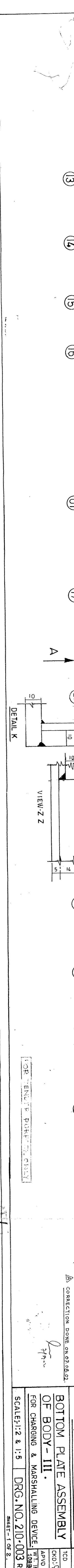
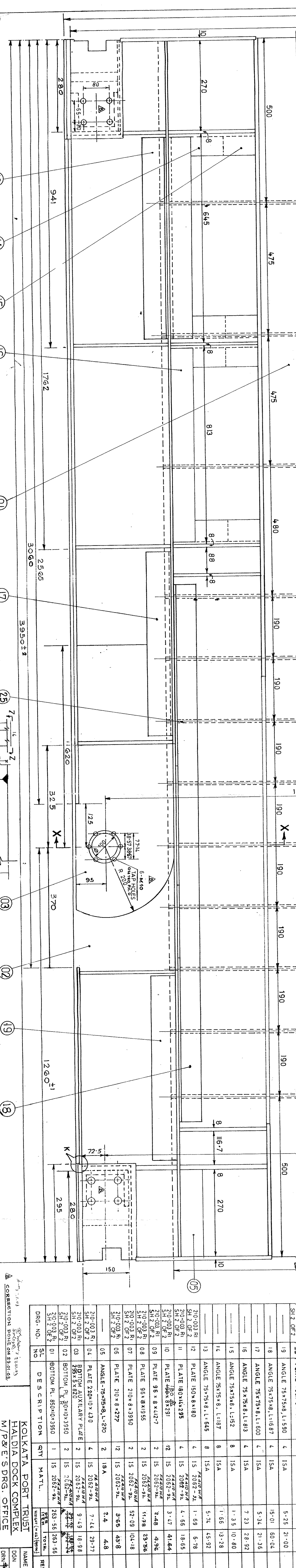
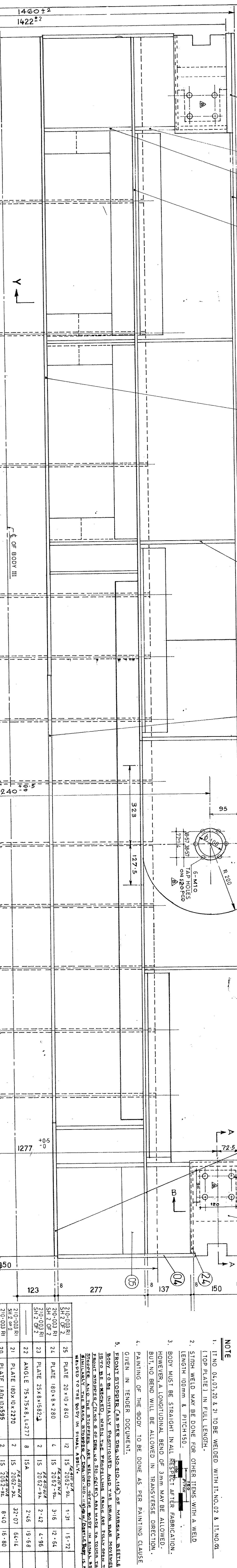
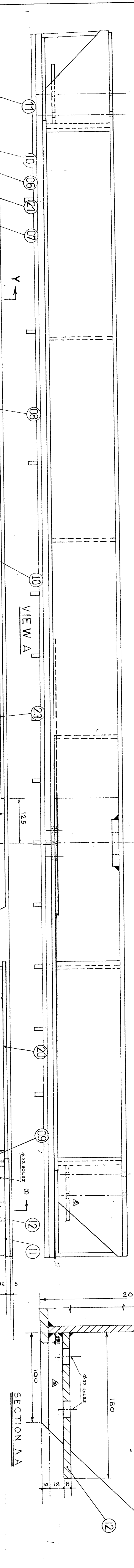
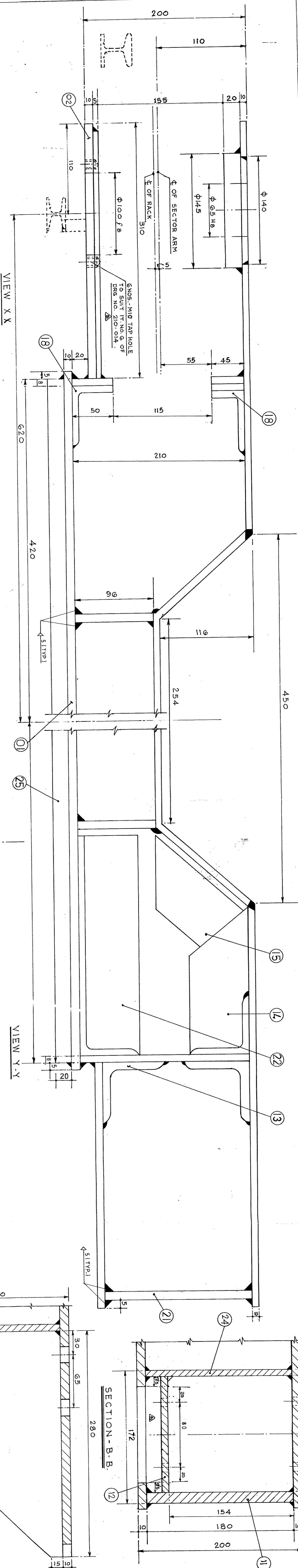
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210.001R1



ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.



NOTE

1. FINO 04.07.20 A 21 TO BE WELDED WITH IT-NO.02 & IT-NO.01
2. FINO 04.07.20 A 21 TO BE WELDED WITH IT-NO.02 & IT-NO.01
3. FINO 04.07.20 A 21 TO BE WELDED WITH IT-NO.02 & IT-NO.01
4. FINO 04.07.20 A 21 TO BE WELDED WITH IT-NO.02 & IT-NO.01
5. FINO 04.07.20 A 21 TO BE WELDED WITH IT-NO.02 & IT-NO.01

SECTION A-A

SECTION B-B

ITEM NO.	DESCRIPTION	QTY	MATL.	REMARKS
01	PLATE 180x8x280	1	SA	
02	PLATE 180x8x280	1	SA	
03	PLATE 180x8x280	1	SA	
04	PLATE 180x8x280	1	SA	
05	PLATE 180x8x280	1	SA	
06	PLATE 180x8x280	1	SA	
07	PLATE 180x8x280	1	SA	
08	PLATE 180x8x280	1	SA	
09	PLATE 180x8x280	1	SA	
10	PLATE 180x8x280	1	SA	
11	PLATE 180x8x280	1	SA	
12	PLATE 180x8x280	1	SA	
13	PLATE 180x8x280	1	SA	
14	PLATE 180x8x280	1	SA	
15	PLATE 180x8x280	1	SA	
16	PLATE 180x8x280	1	SA	
17	PLATE 180x8x280	1	SA	
18	PLATE 180x8x280	1	SA	
19	PLATE 180x8x280	1	SA	
20	PLATE 180x8x280	1	SA	
21	PLATE 180x8x280	1	SA	
22	PLATE 180x8x280	1	SA	
23	PLATE 180x8x280	1	SA	
24	PLATE 180x8x280	1	SA	
25	PLATE 180x8x280	1	SA	
26	PLATE 180x8x280	1	SA	
27	PLATE 180x8x280	1	SA	
28	PLATE 180x8x280	1	SA	
29	PLATE 180x8x280	1	SA	
30	PLATE 180x8x280	1	SA	
31	PLATE 180x8x280	1	SA	
32	PLATE 180x8x280	1	SA	
33	PLATE 180x8x280	1	SA	
34	PLATE 180x8x280	1	SA	
35	PLATE 180x8x280	1	SA	
36	PLATE 180x8x280	1	SA	
37	PLATE 180x8x280	1	SA	
38	PLATE 180x8x280	1	SA	
39	PLATE 180x8x280	1	SA	
40	PLATE 180x8x280	1	SA	
41	PLATE 180x8x280	1	SA	
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94	PLATE 180x8x280	1	SA	
95	PLATE 180x8x280	1	SA	
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99	PLATE 180x8x280	1	SA	
100	PLATE 180x8x280	1	SA	

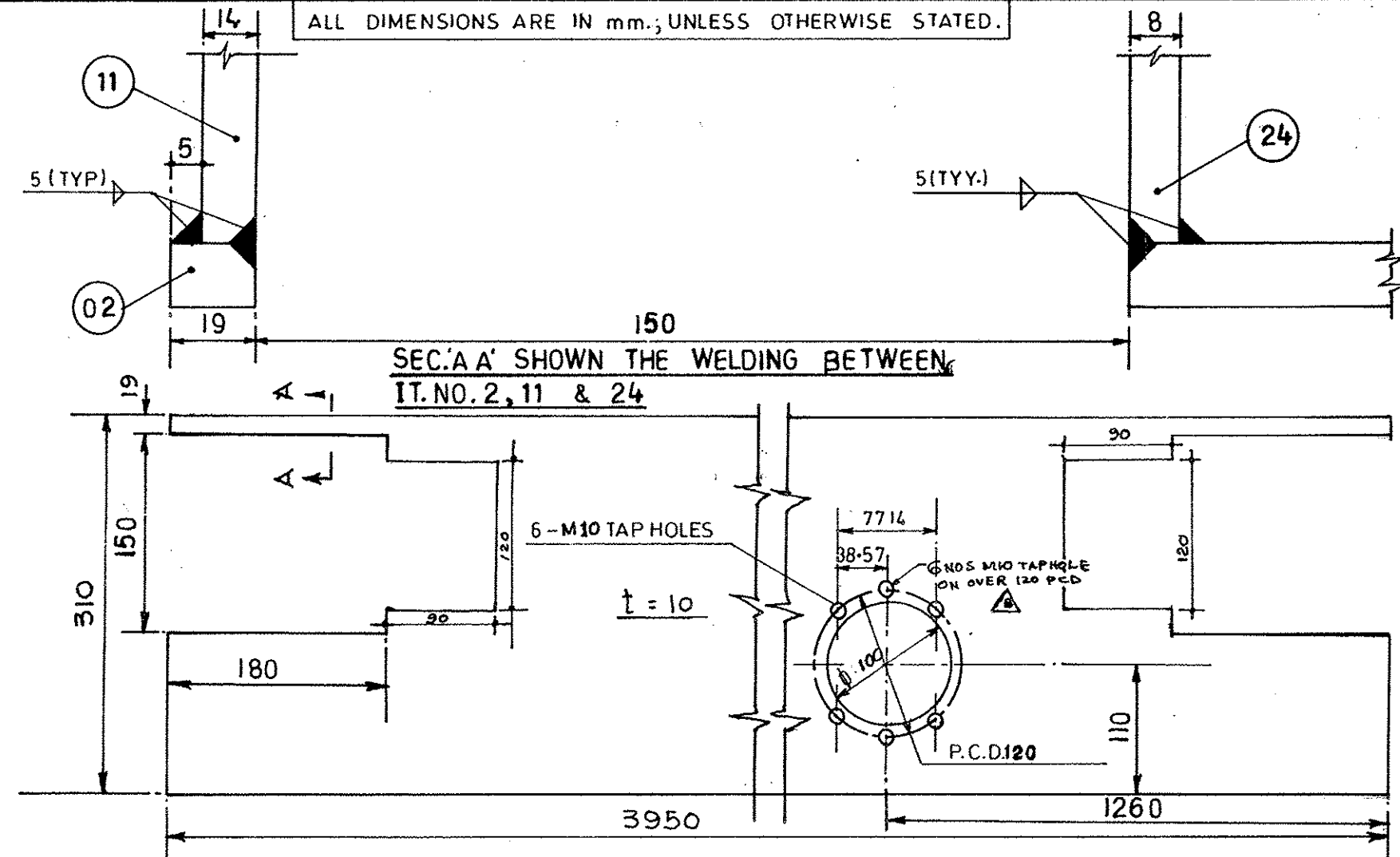
FOR CHARGING & MARSHALLING DEVICE

SCALE: 1:2 & 1:5

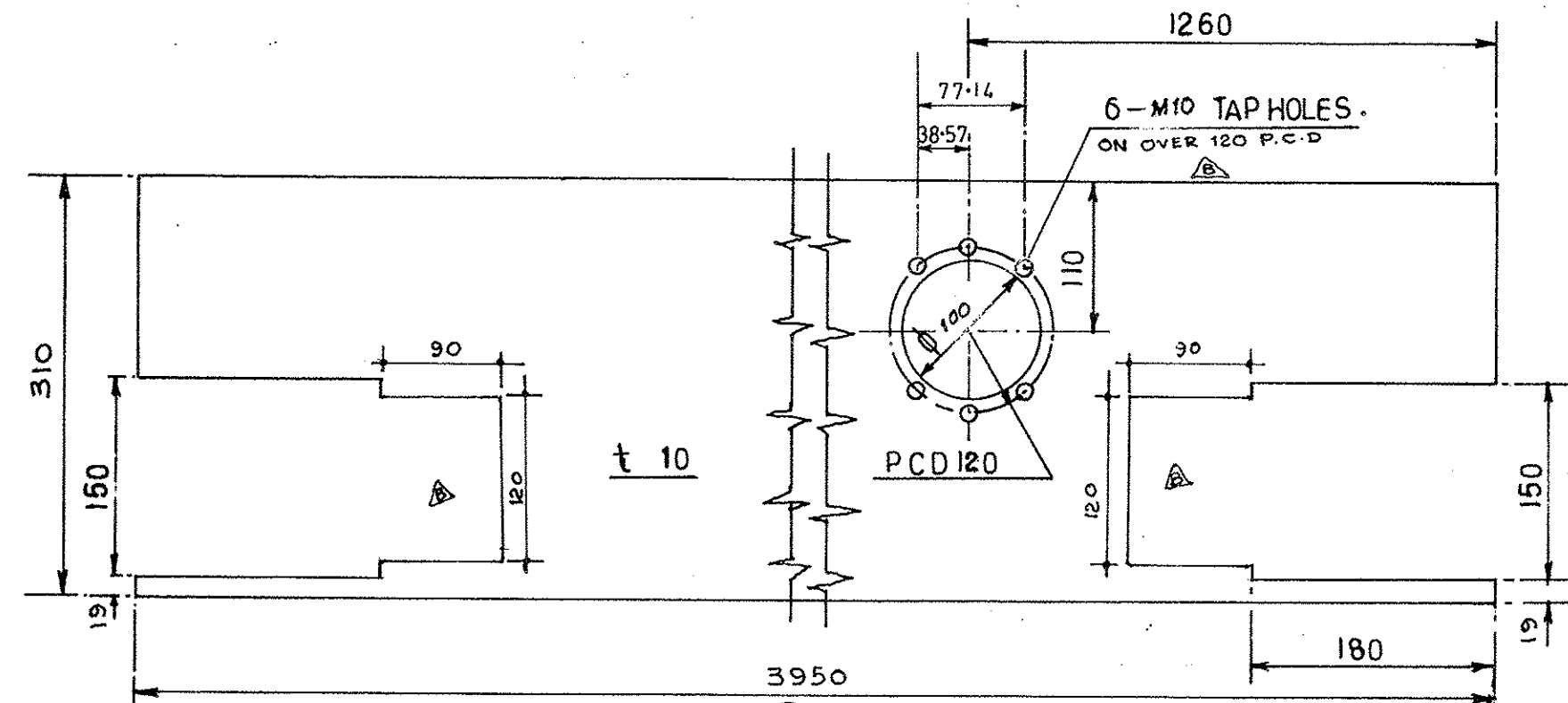
DRG. NO. 20-003 R

MADE IN INDIA

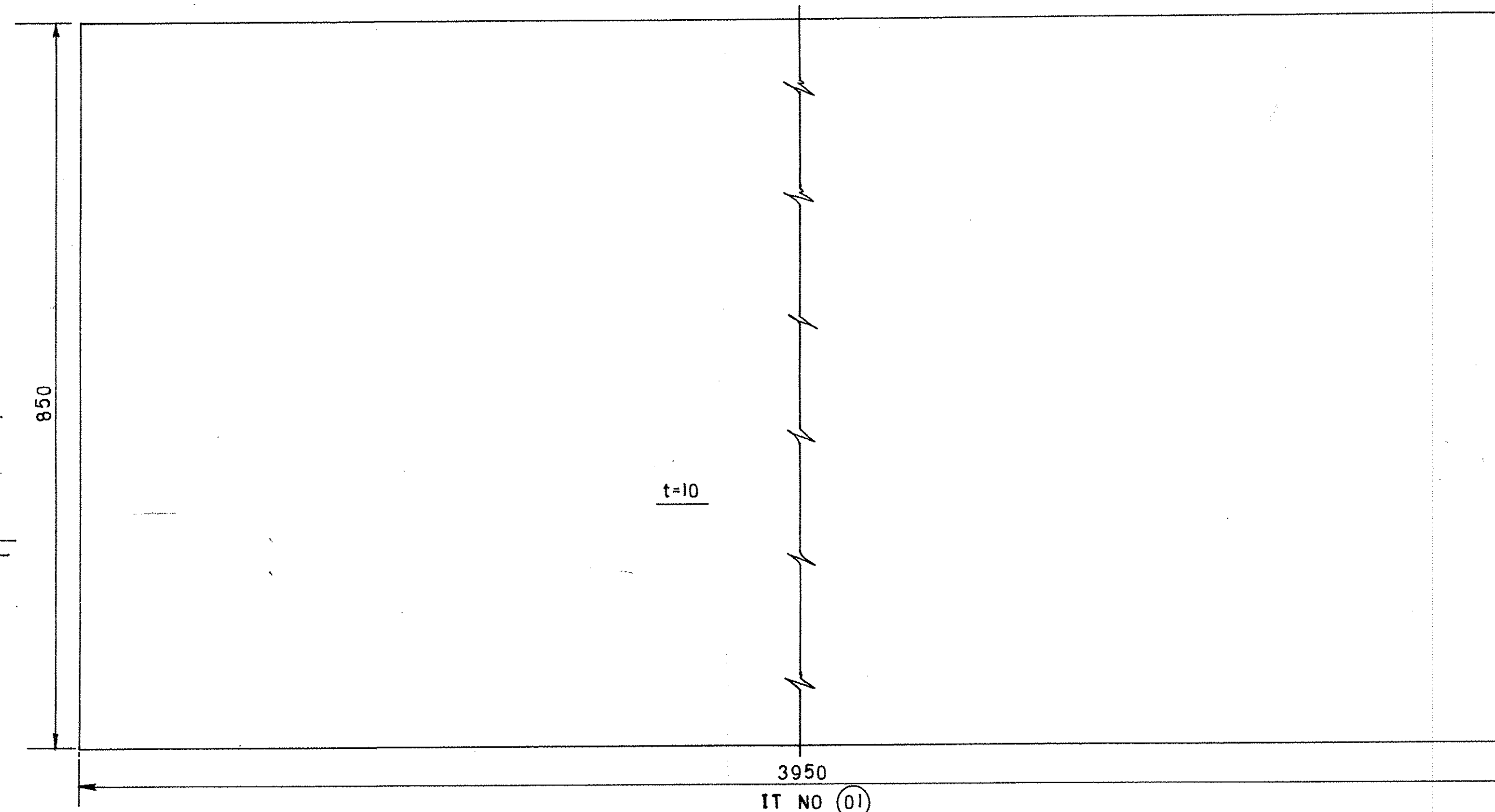
ALL DIMENSIONS ARE IN mm., UNLESS OTHERWISE STATED.



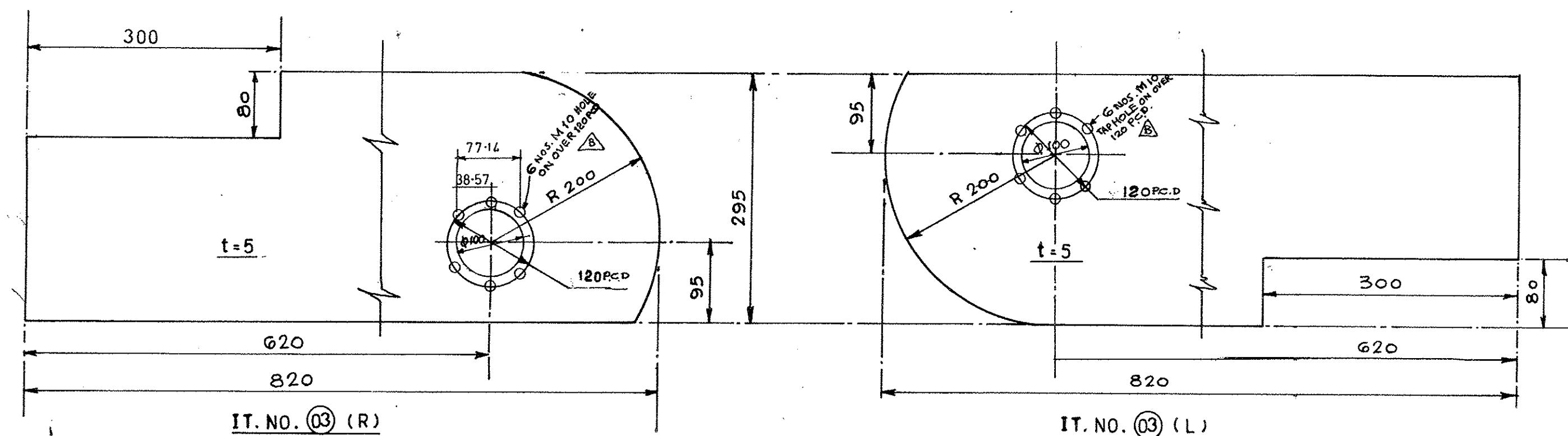
IT NO 02 (RIGHT)



IT NO 02 (LEFT)

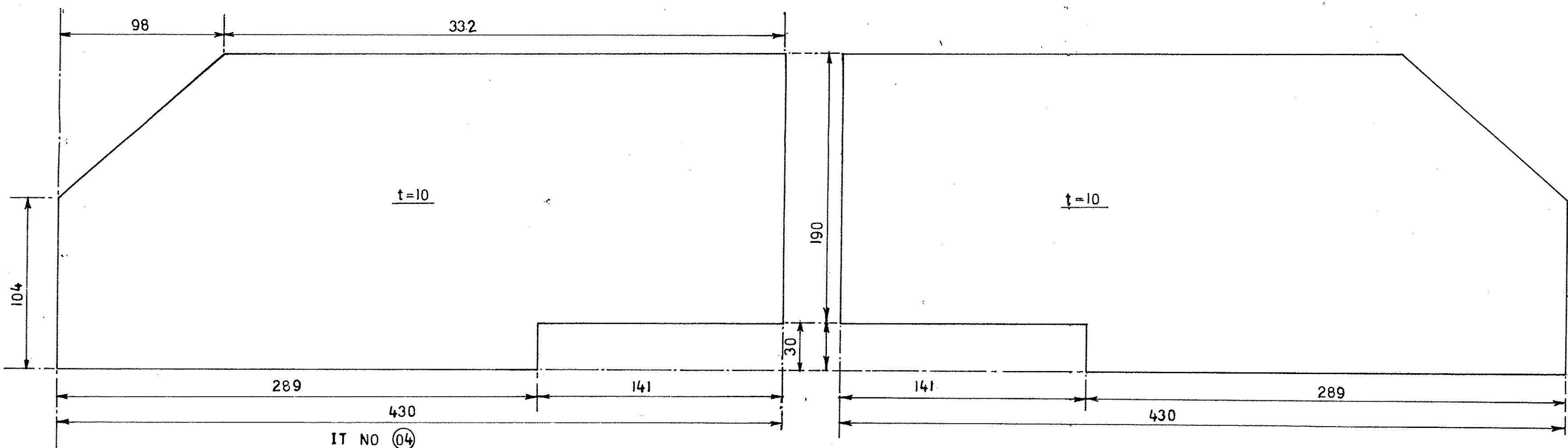


IT NO 01

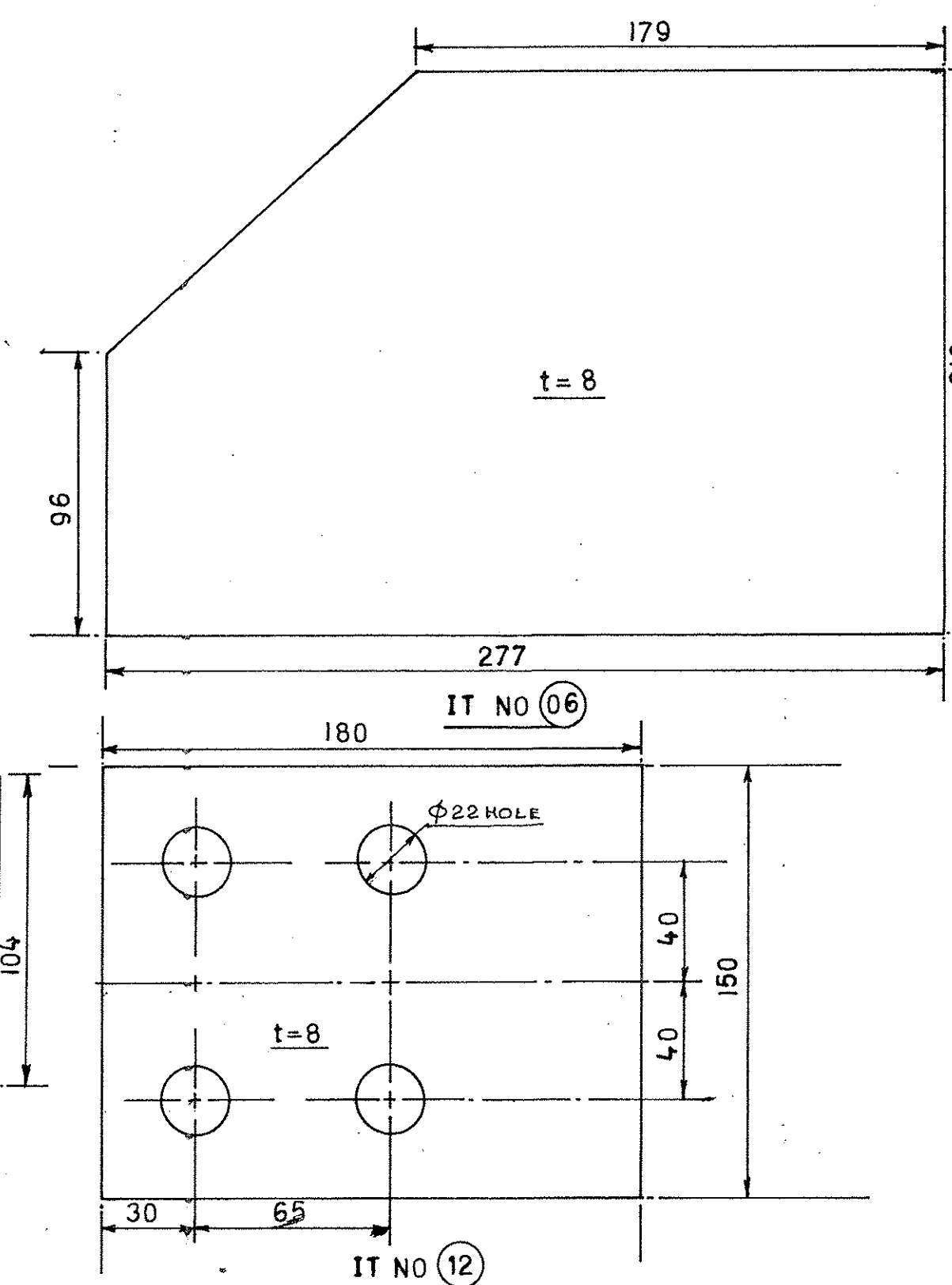


IT NO 03 (R)

IT NO 03 (L)

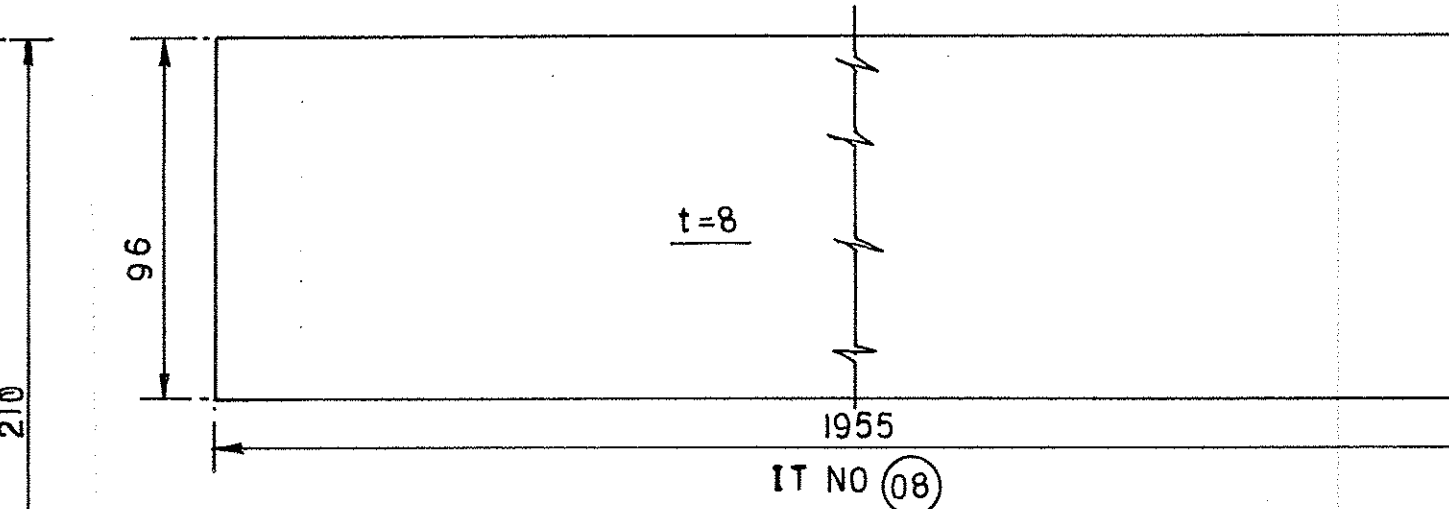


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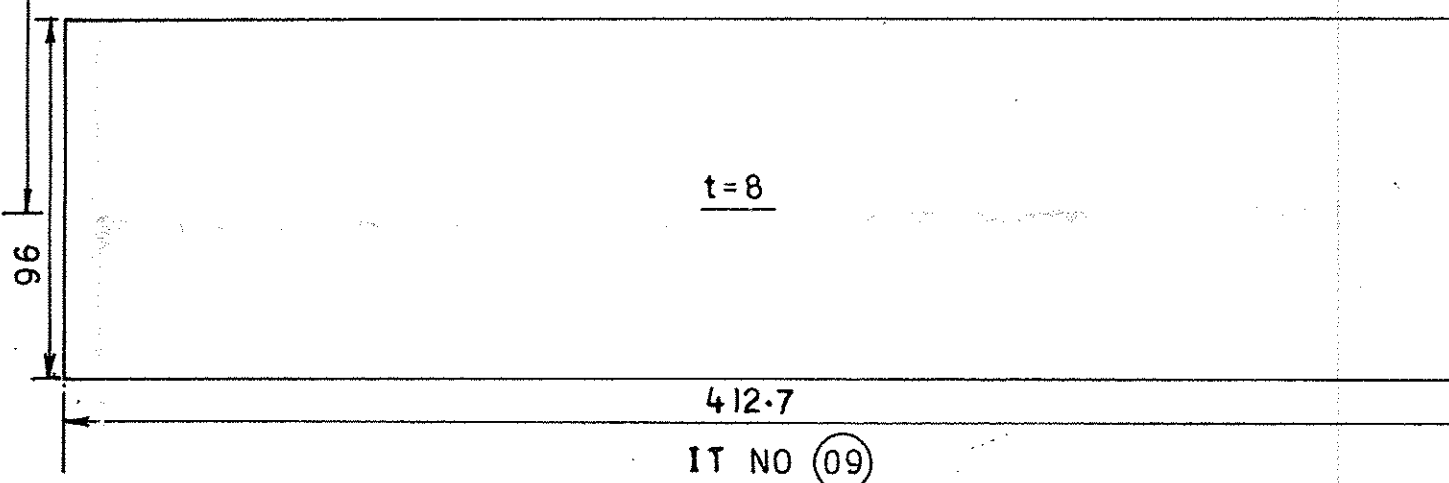


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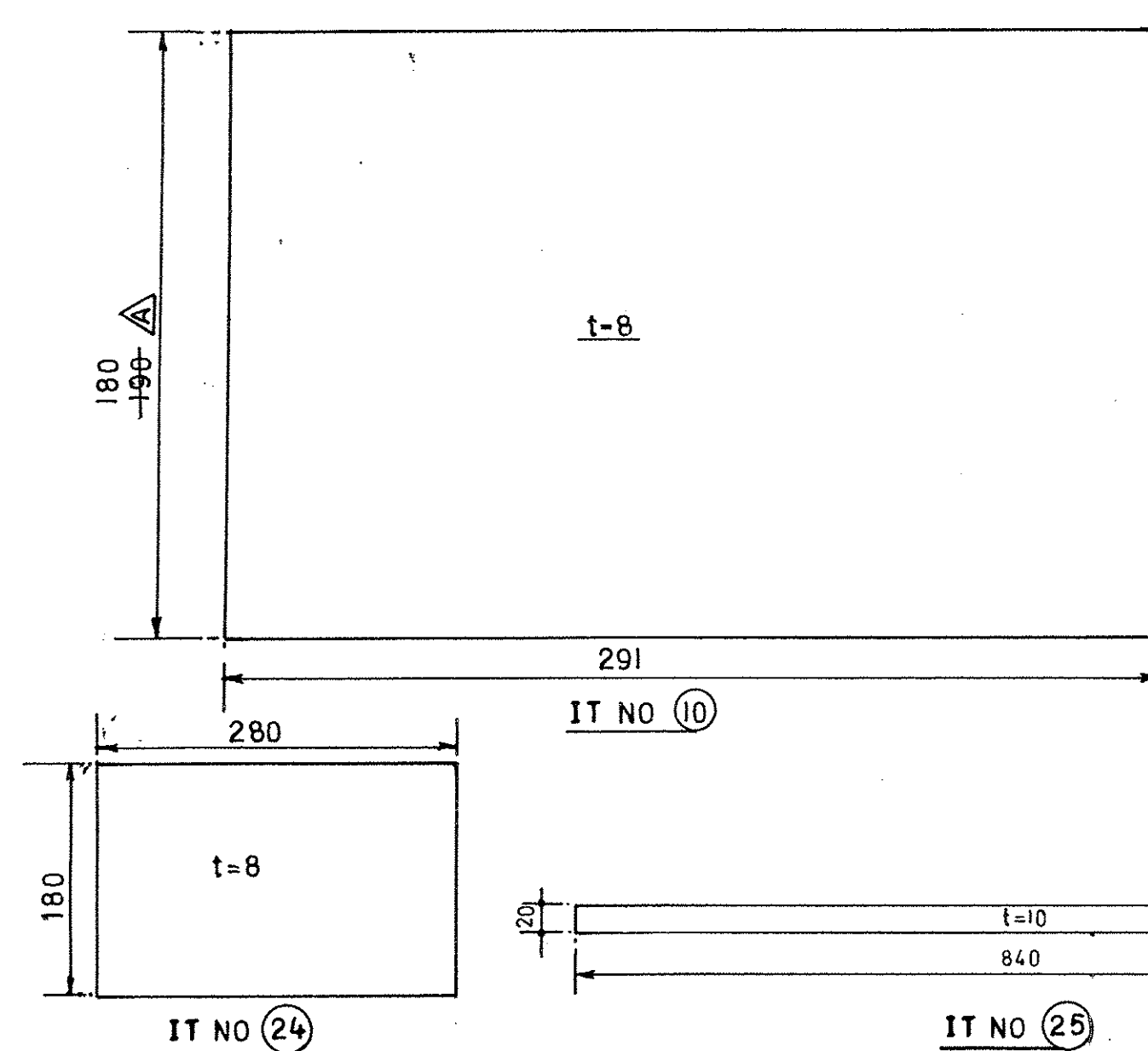
IT NO 12



IT NO 08

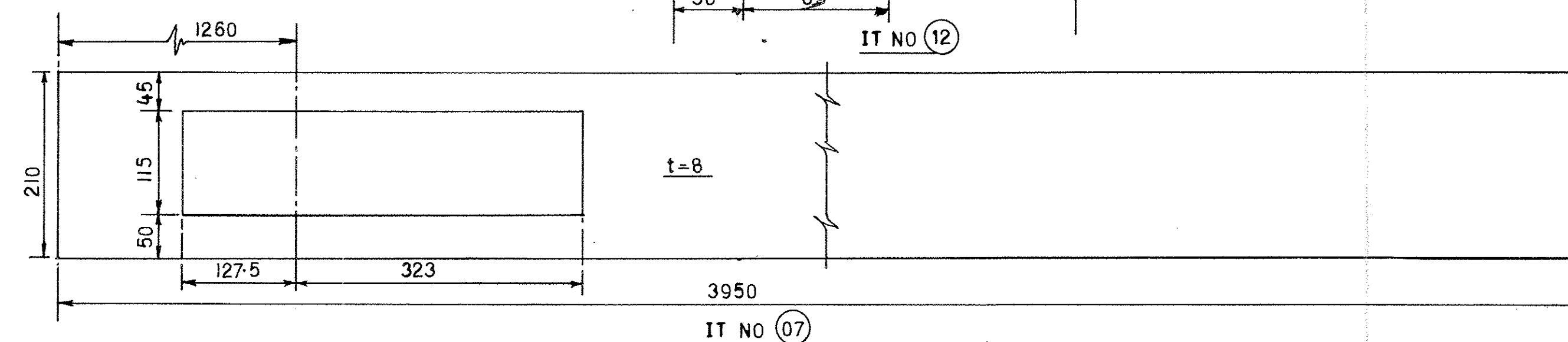


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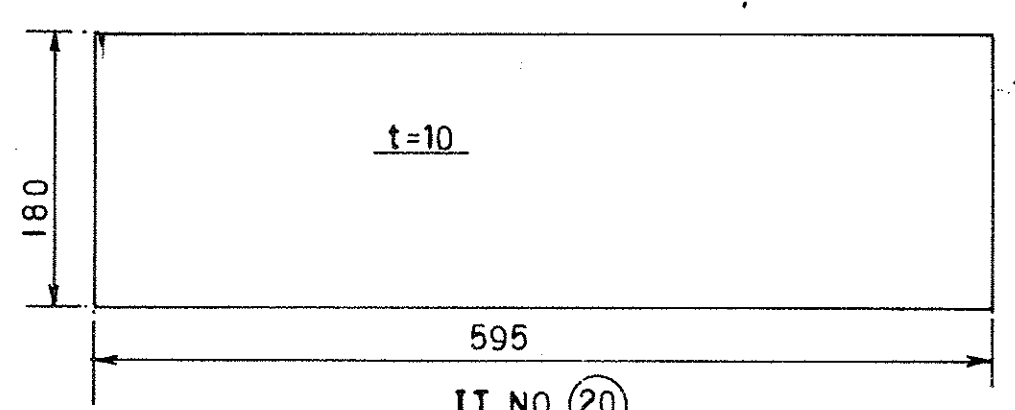


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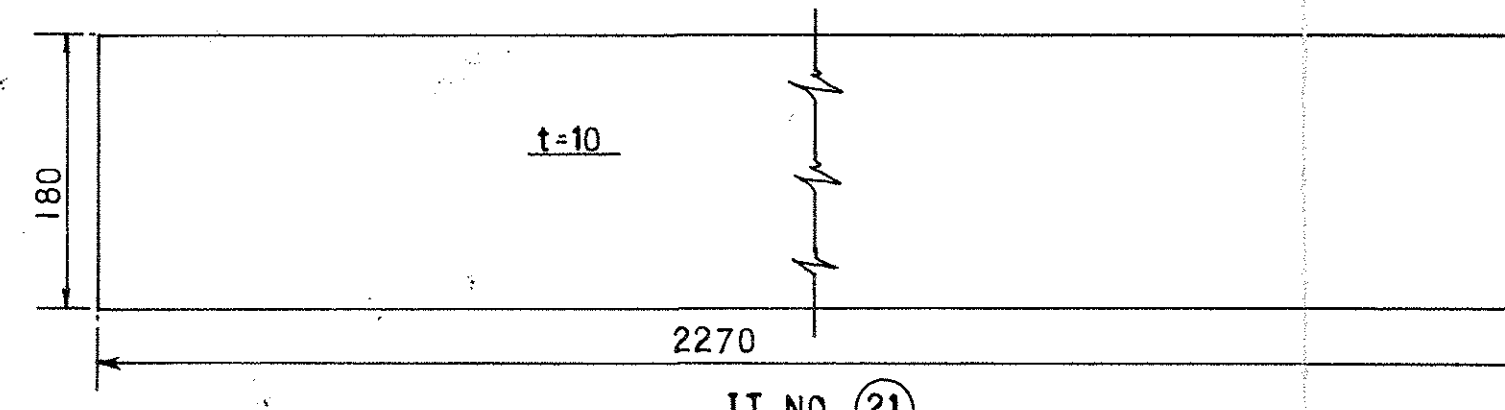
IT NO 25



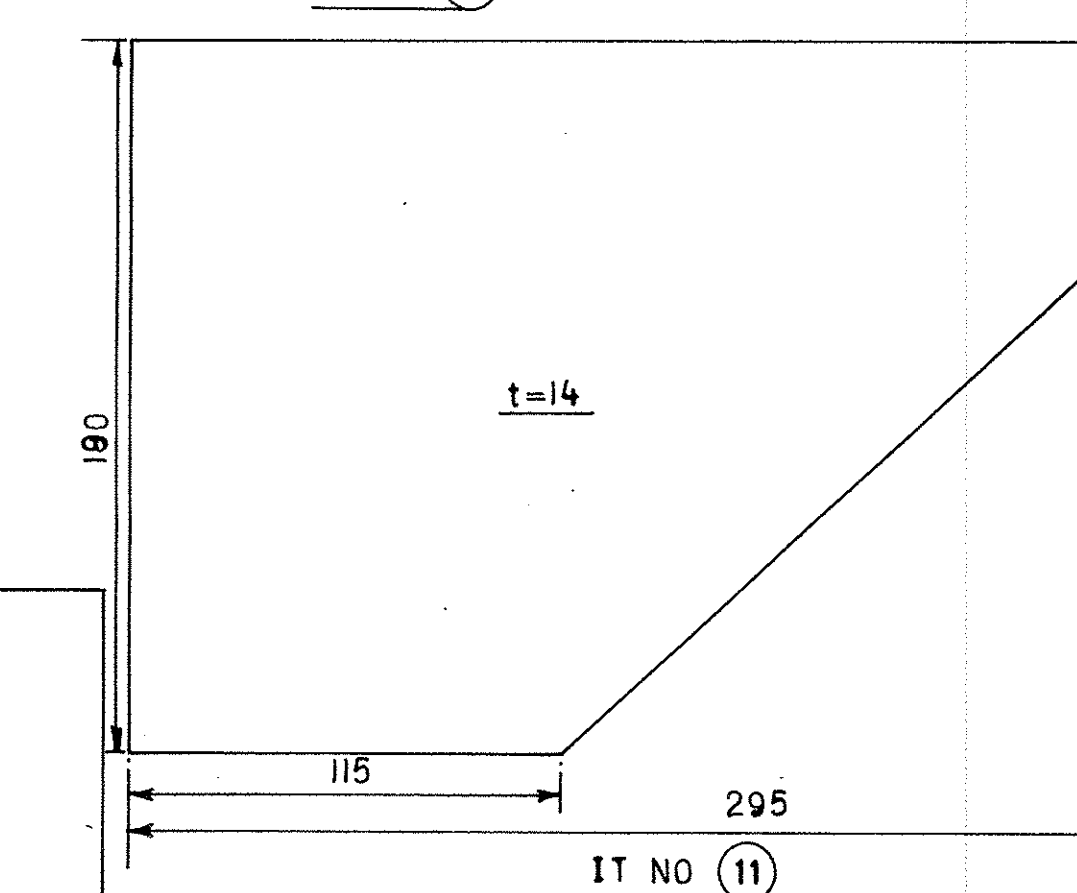
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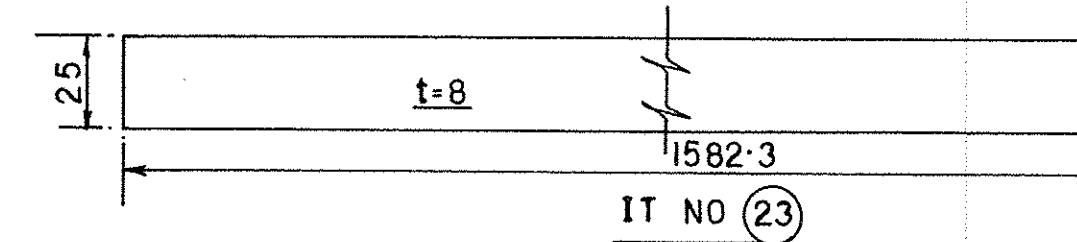
IT NO 20



IT NO 21



IT NO 11



IT NO 23

FOR TENDER PURPOSE ONLY

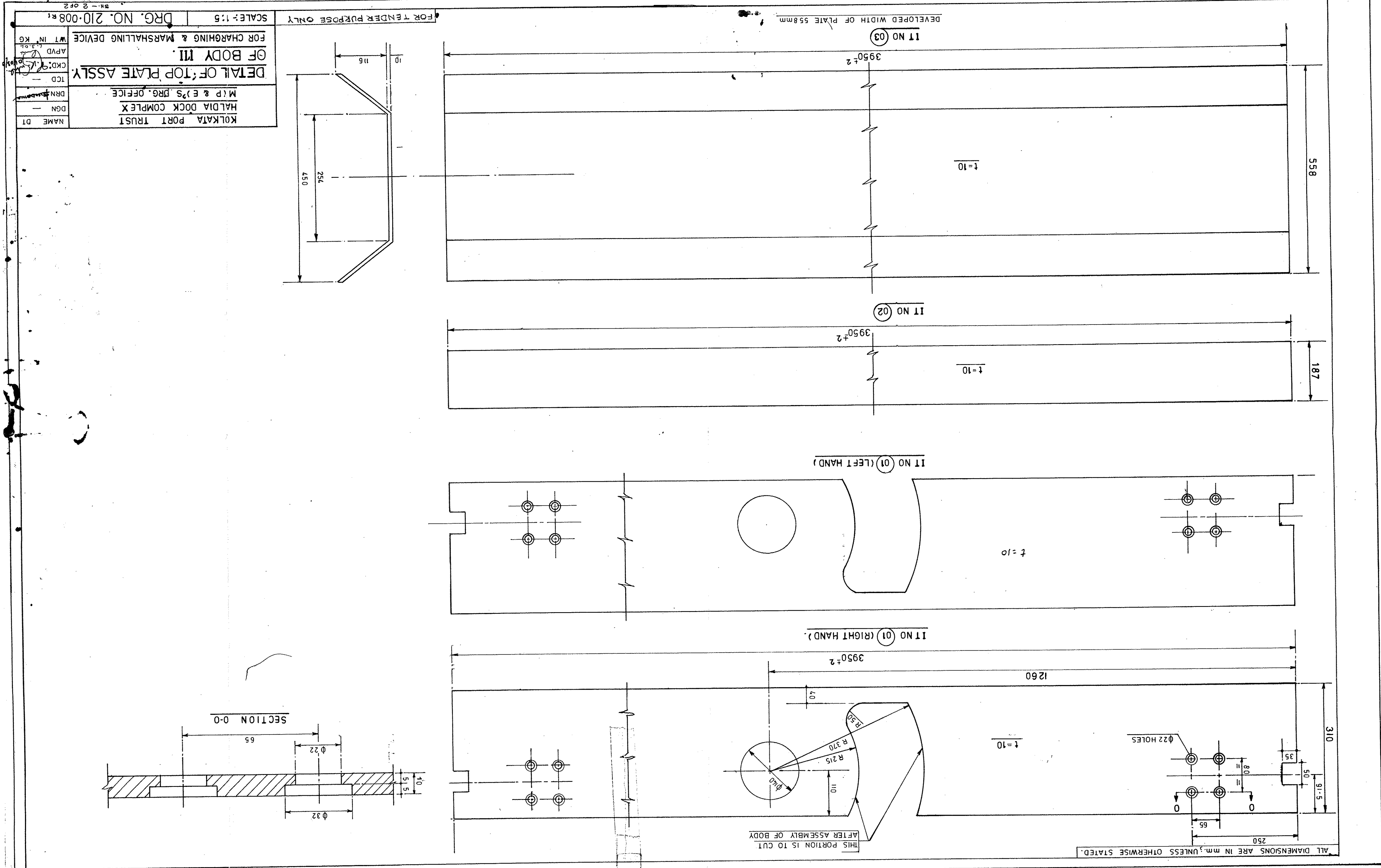
CORRECTION DONE ON 07.08.02.

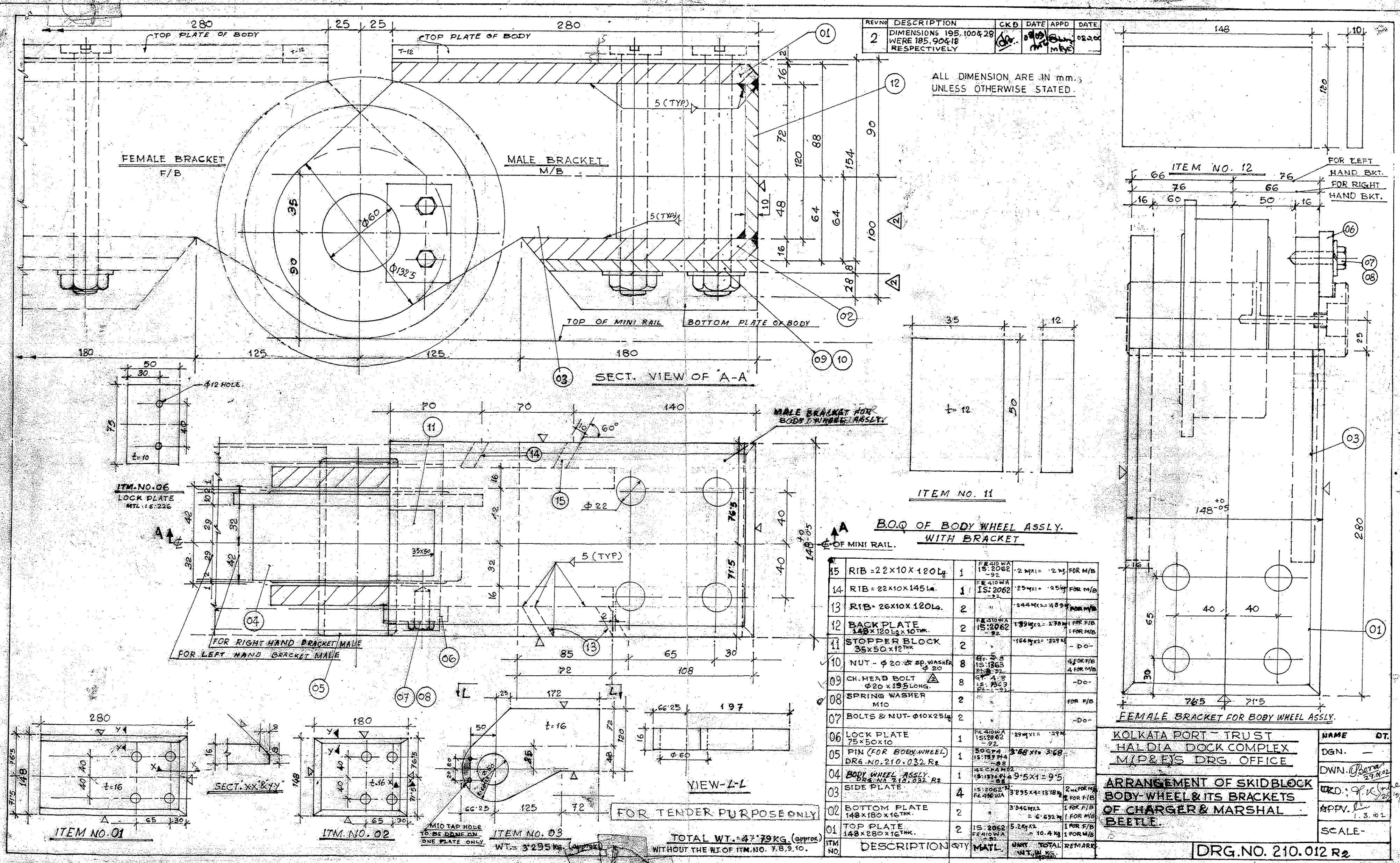
CORRECTION DONE ON 29.01.03.

KOLKATA PORT TRUST	NAME	DT
HALDIA DOCK COMPLEX	DGN	
M (P & E)'S DRG. OFFICE	DRN	
BOTTOM PL. DET. OF BODY-III	CKD	
FOR CHARGING & MARSHALLING	APVD	
DEVICE.	WT	IN KG
SCALE: 1:2, 1:5	DRG. NO. 210-003 R1	

GATEWAY

GATEWAY





REVNO	DESCRIPTION	CKD	DATE	APPD	DATE
2	DIMENSIONS 195, 100 & 28 WERE 185, 90 & 18 RESPECTIVELY		08/03/01	MRB	08/03/01

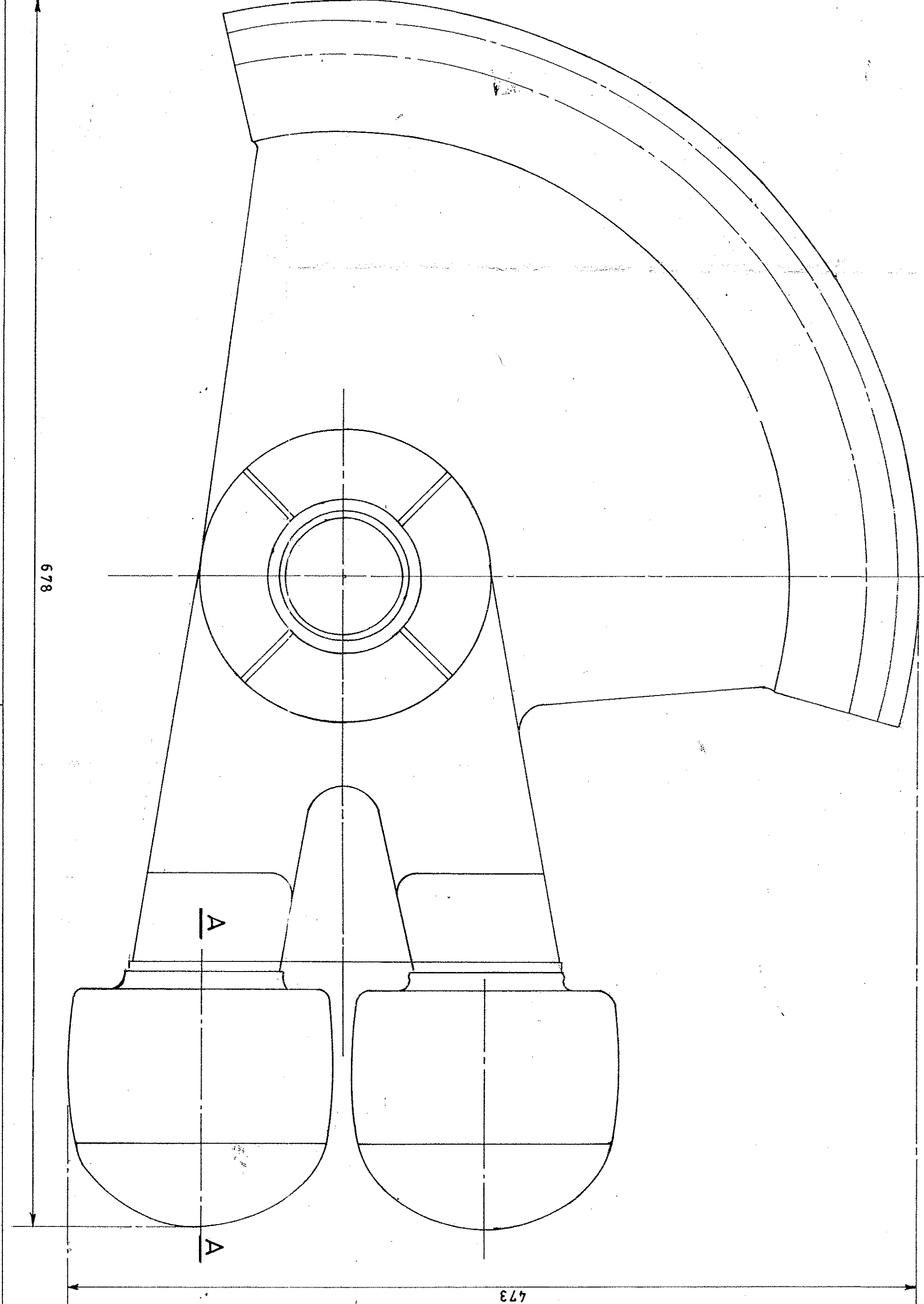
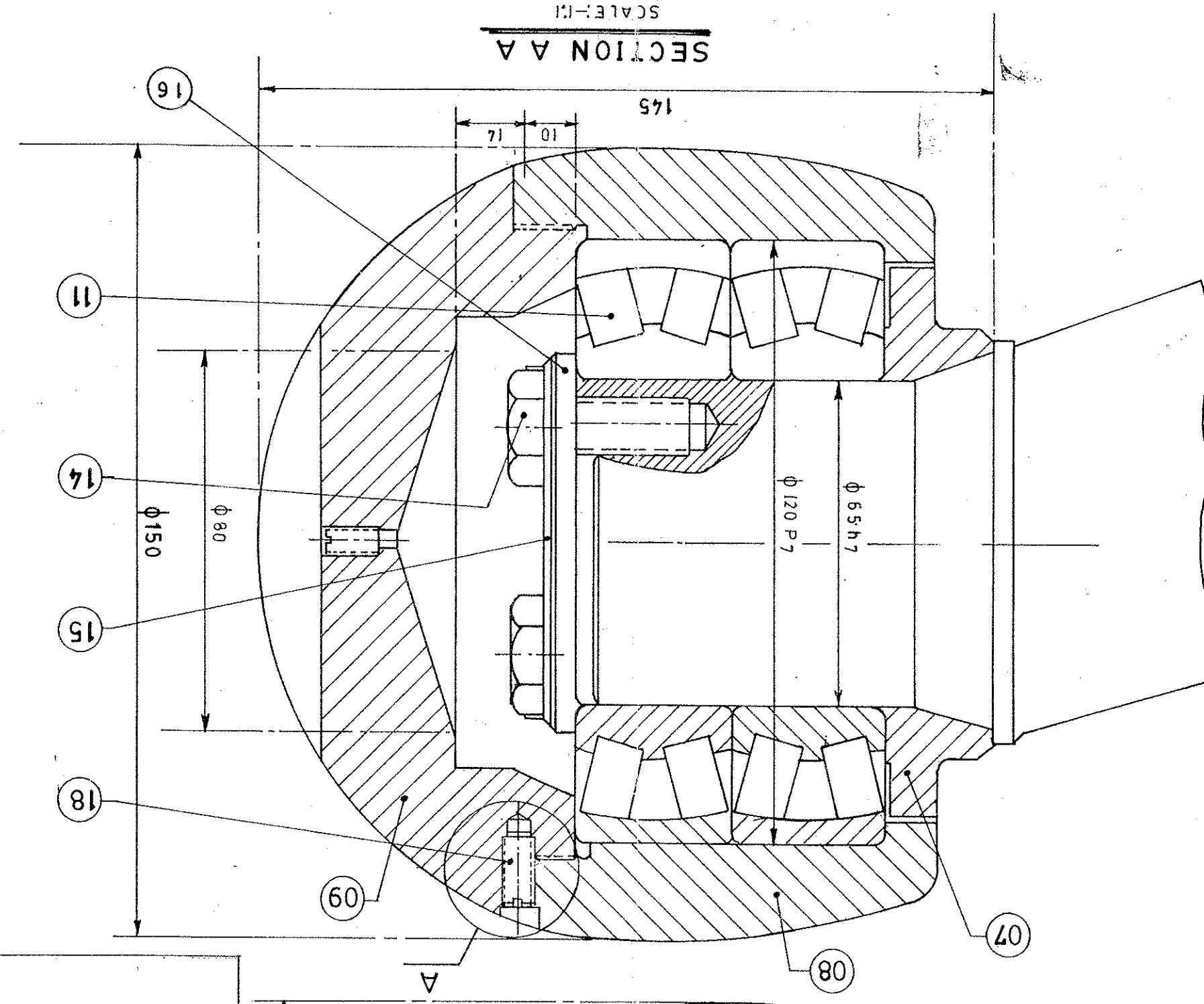
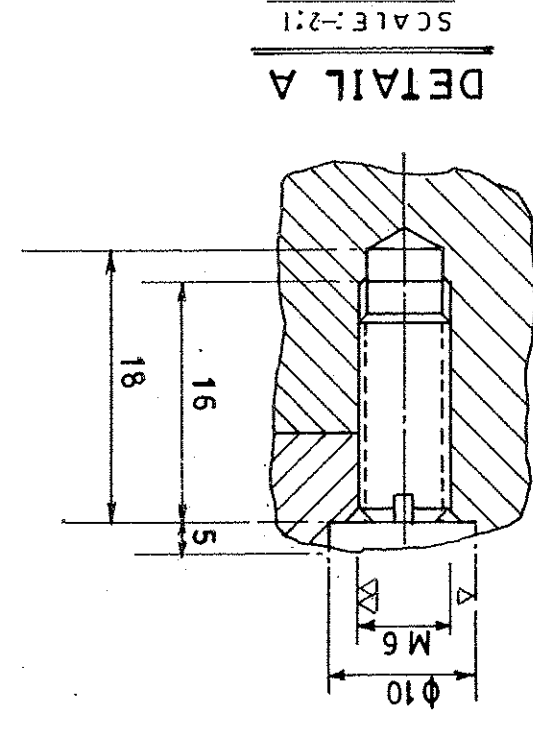
ALL DIMENSION ARE IN mm. UNLESS OTHERWISE STATED.

BOQ OF BODY WHEEL ASSLY. WITH BRACKET

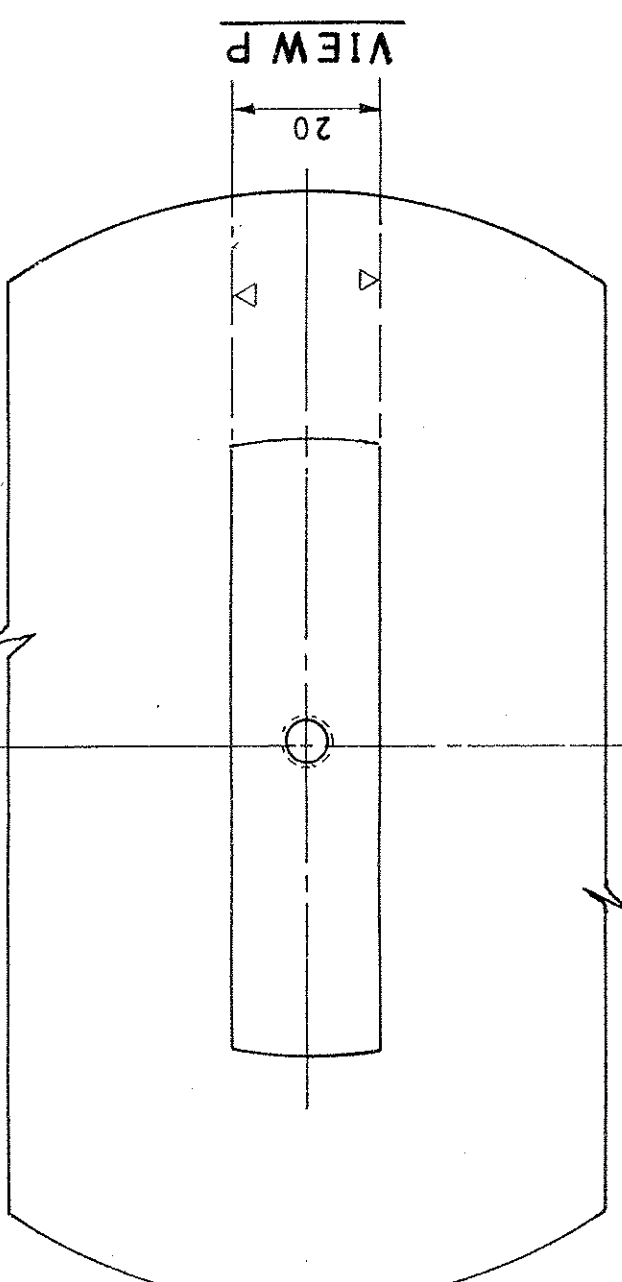
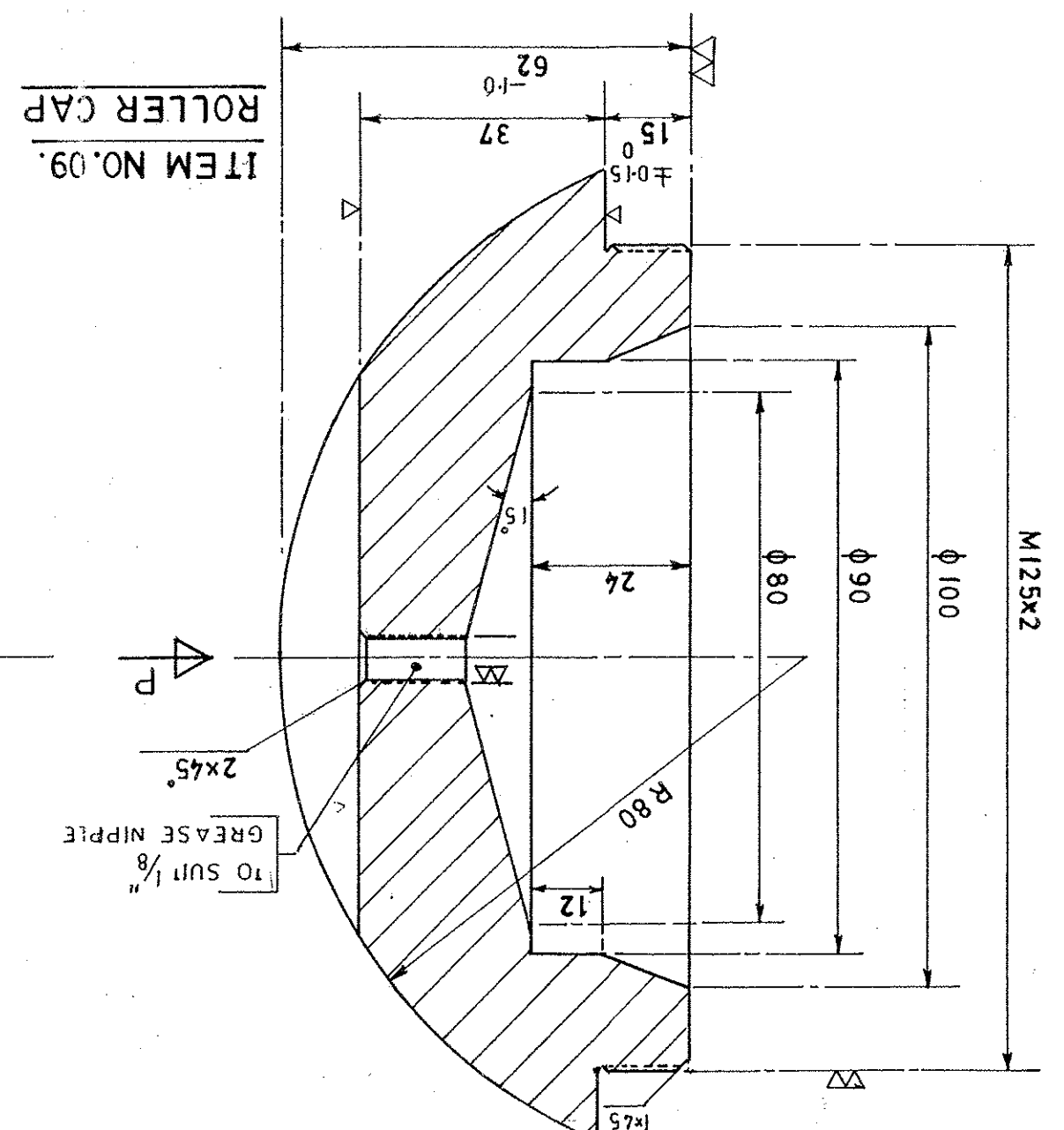
ITEM NO.	DESCRIPTION	QTY	MATL	UNIT	TOTAL WT. IN KG.	REMARK
15	RIB - 22X10X120Lg	1	FE 410WA 15:2062-92	2.25M	2.25	FOR M/B
14	RIB - 22X10X145Lg	1	FE 410WA 15:2062-92	2.5M	2.5	FOR M/B
13	RIB - 26X10X120Lg	2	"	2.44M	4.88	FOR M/B
12	BACK PLATE 148X120LgX10THK	2	FE 410WA 15:2062-92	1.39M	2.78	FOR F/B
11	STOPPER BLOCK 35X50X12THK	2	"	1.64M	3.28	-DO-
10	NUT - ϕ 20 & SP. WASHER ϕ 20	8	FE 410WA 15:1363-92	4	4	FOR F/B
09	CH. HEAD BOLT ϕ 20 X 135 LONG	8	FE 410WA 15:1363-92	4	4	FOR M/B
08	SPRING WASHER M10	2	"	1	2	FOR F/B
07	BOLTS & NUT - ϕ 10X25Lg	2	"	1	2	-DO-
06	LOCK PLATE 75X50X10	1	FE 410WA 15:2062-92	2.25M	2.25	FOR F/B
05	PIN (FOR BODY WHEEL) DRG. NO. 210.032 R2	1	3064 3:48	3.68	3.68	
04	BODY WHEEL ASSLY. DRG. NO. 210.032 R2	1	422CH 4:02	9.5X1=9.5	9.5	
03	SIDE PLATE 148X180X16THK	4	FE 410WA 15:2062-92	3.295M	13.18	2 FOR F/B 2 FOR M/B
02	BOTTOM PLATE 148X180X16THK	2	"	3.24M	6.48	1 FOR F/B 1 FOR M/B
01	TOP PLATE 148X280X16THK	2	FE 410WA 15:2062-92	5.2M	10.4	1 FOR F/B 1 FOR M/B

KOLKATA PORT - TRUST HALDIA DOCK COMPLEX M(P&E)'S DRG. OFFICE	NAME DGN. - DWN. <i>P. K. Saha</i> CHKD. <i>P. K. Saha</i> APPV. <i>P. K. Saha</i> SCALE -
ARRANGEMENT OF SKIDBLOCK BODY WHEEL & ITS BRACKETS OF CHARGER & MARSHAL BEETLE	DRG. NO. 210.012 R2

TOTAL WT. = 47.79 KG. (approx.)
WITHOUT THE WT. OF ITEM NO. 7, 8, 9, 10.



NOTE :-



MATL. - STEEL-C45; IS:1570; HAPPEN TO 250 BARS.

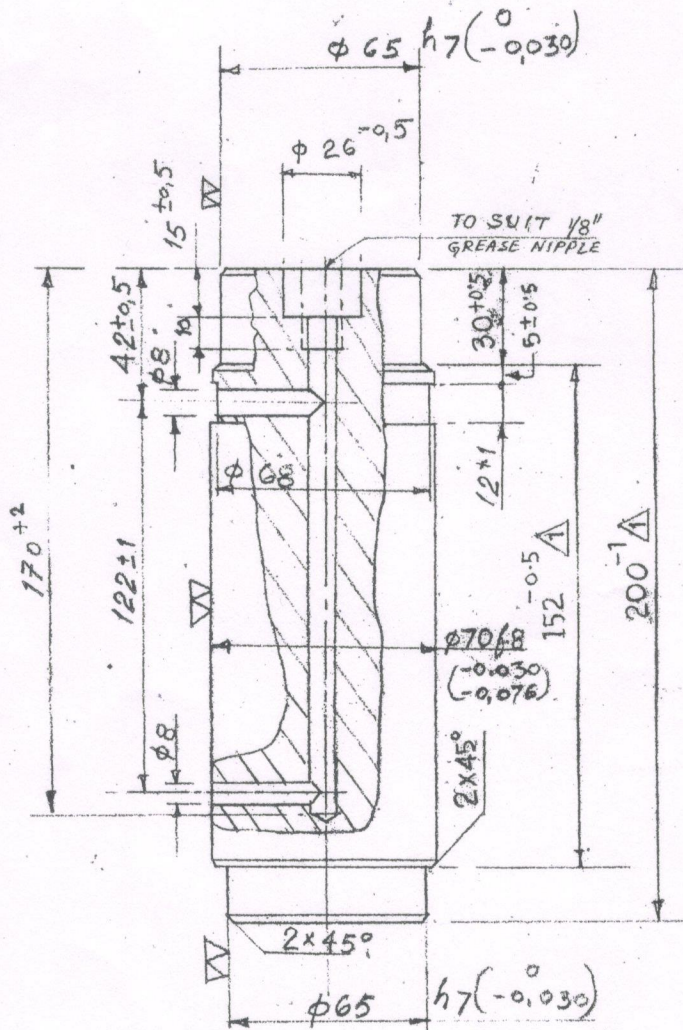
[illegible]

210.024R1

FOR TENDER PURPOSE ONLY

THE REST

ALL DIMENSIONS ARE IN mm; UNLESS OTHERWISE STATED.

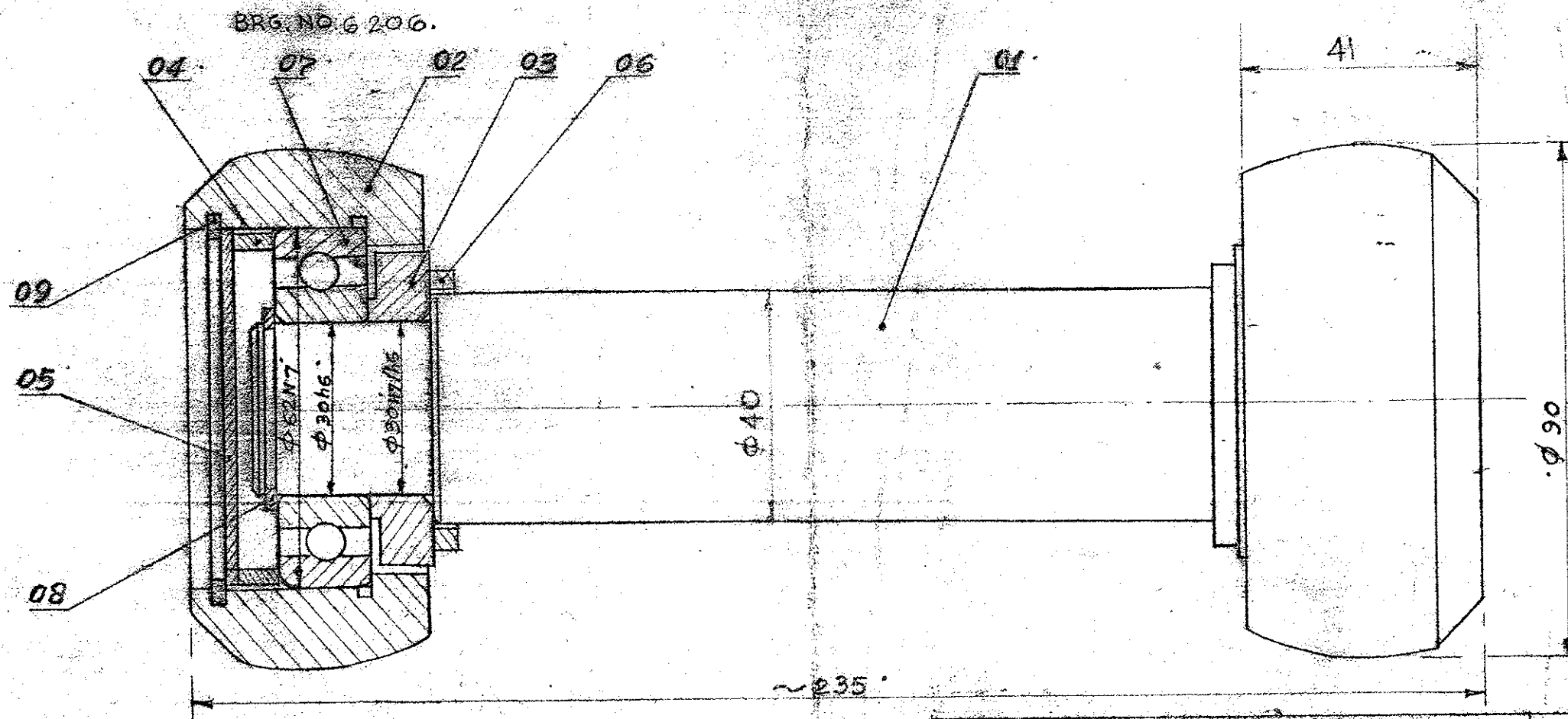


HARDEN TO BHN 240~280

1	DIMENSIONS 200 & 152 WERE 205 & 157 RESPECTIVELY	CKD.	DATE	APPD.	DATE
REV. NO.	DESCRIPTION				

KOLKATA PORT TRUST HALDIA DOCK COMPLEX MANAGER (P&E)'S D.R.G. OFFICE.		DESIGNED	—	—
SCALE 1:2		DRAWN	—	—
TITLE PIN		TRACED	ojha	26.8.88
WT. 700KG (Approx.)		CHECKED	of. K. Subh	
FOR PROPELLING ARM		APPROVED	ax. Roy	31.8.88
MATERIAL - 42CrMo2 - IS-1570 - Pt 4		DRAWING NO. 210.024R1		

ALL DIMENSIONS ARE IN mm, UNLESS OTHERWISE STATED.



FOR TENDER PURPOSE ONLY

NOTE:-

- 1) THE ASSEMBLY OF SHELL, BEARING ETC. TO BE DONE AFTER THE PIN, DRG. NO. 210.029, HAS BEEN ASSEMBLED ON THE DRAW BAR ASSEMBLY, DRG. NO. 210.085
2. BEARING MAKES :- SKF/FAG.

△ Correction done on 29.01.2003.

luc
M(P.E.)

SL NO.	DRG. NO.	DESCRIPTION	QTY.	MATERIAL	UNIT	TOTAL	REMARKS
09	15 3075	CIRCLIP LIGHT B62	2	55 Si7 151570 B-4	0.020	0.040	
08	15 3075	CIRCLIP LIGHT A 30	2	- DO -	0.004	0.008	
07	6206 2RS1	DEEP GROOVE BEARING, 30x62x16	2	SKF/FAG	0.28	0.56	
06	210.031/4	RING	2	16 M03H 151570-H-7-92	0.15	0.30	
05	210.031/3	COVER PLATE	2	- DO -	0.04	0.08	
04	210.031/2	SPACER RING	2	??	0.02	0.04	
03	210.031/1	BUSH	2	??	0.1	0.2	
02	210.030	SHELL	2	42Cr4 M02 151570-H-4-88	0.48	0.96	
01	210.029	PIN	1	- DO -	1.2	1.2	

CALCUTTA PORT TRUST
HALDIA DOCK COMPLEX
MANAGER (P&E)'S DRG. OFFICE

SCALE
1:1

TITLE

WT. 3.39
kg.

ROLLER ASSEMBLY

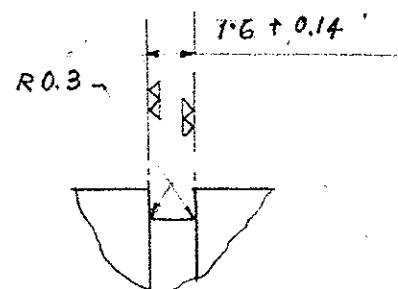
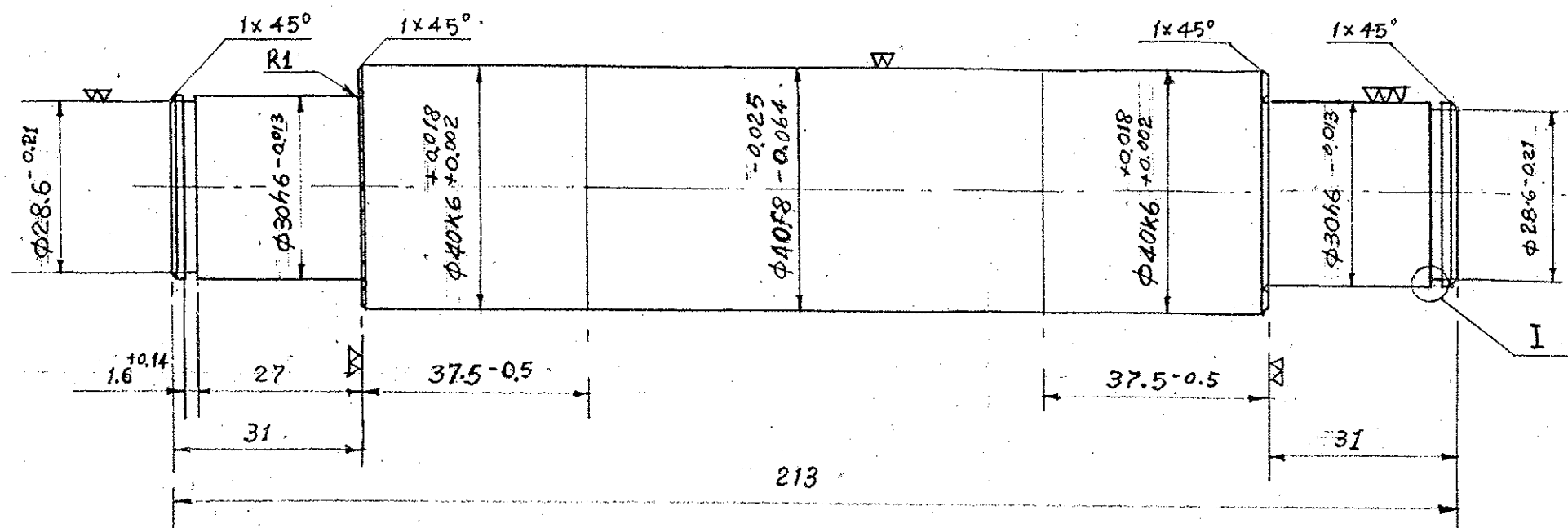
FOR DRAW BAR ASSEMBLY

NAME	DATE
DESIGN	
DRAWN	
TRCD.	
CKED.	
APPVD.	
DRAWING NO.	

210.028

ALL DIMENSIONS ARE IN mm, UNLESS OTHERWISE STATED.

▽ (W W)



VIEW ON I
SCALE - 4:1

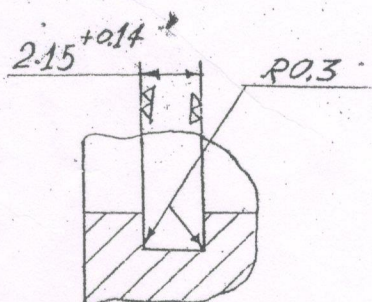
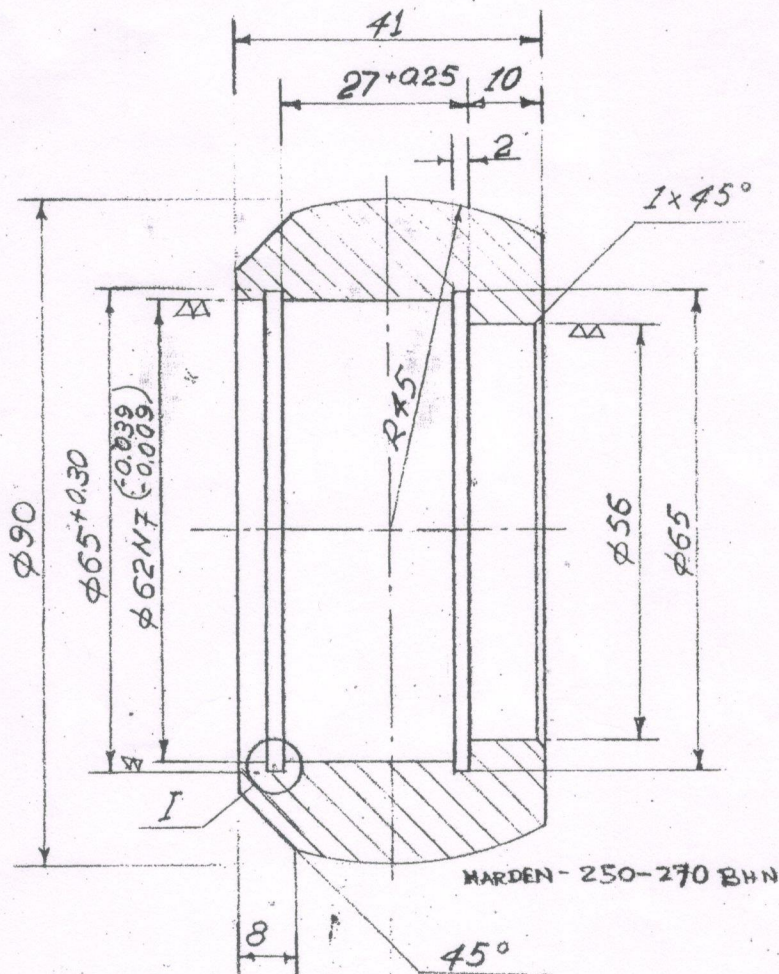
HARDNESS: BHN 240-270

FOR TENDER PURPOSE ONLY

CALCUTTA PORT TRUST		DESIGN.	-
HALDIA DOCK COMPLEX		DRWN.	-
MANAGER (P&E)'S DRG. OFFICE		TCD. S.B.	-
SCALE	TITLE.	CHKD.	18/6/82
1:1	PIN	APVD.	18/6/82
WT. 12 KG.	FOR ROLLER ASSY.	DRG. NO.	210.029
	MATL.		

ALL DIMENSIONS ARE IN mm ; UNLESS OTHERWISE STATED .

V(W)



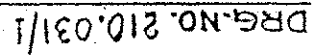
DETAIL - I
(SCALE 4:1)

FOR TENDER PURPOSE ONLY

CALCUTTA PORT TRUST HALDIA DOCK COMPLEX MANAGER (P&E)'S DRG. OFFICE.		NAME	DATE
SCALE	TITLE	DESIGNED	—
1:1	SHELL FOR ROLLER ASSY.	DRAWN	—
		TRACED	13.9.82
		CHECKED	17.9.82
		APPROVED	17.9.82
MATERIAL: 12 CR 4 MO2		DRAWING NO. 210.030	

ITEM NO. 1.

Δ THE REST.

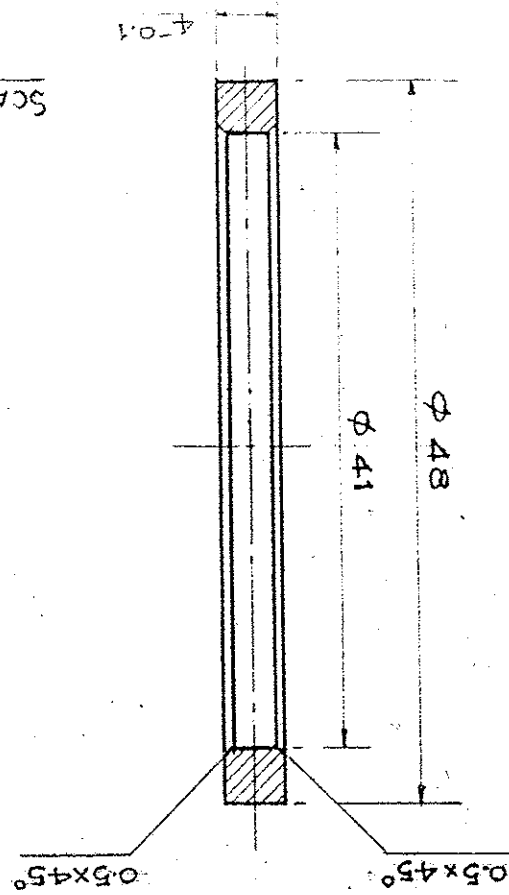


MATL. 16 M03H
15 : 1570 p7-7-87

15 : 1570 47-78
WHITE, COMB

ITEM NO. 4.

ALL OVER

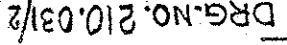


DRG. NO. 210.03/4

10-7

SCALE 2:1

Δ THE REST



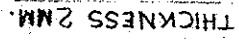
MATL. 16 MO 3H
15: 1570 pt-2-92

15:1570 pt-2-92

SPACER RING

DRG. NO. 210.031/2

ITEM NO. 3.



COVER PLATE

15 : 1570-01-7-02
MATL. 16 MO3H

15 : 1570-07-92

DRG. NO. 210.031/3

SCALE	TITLE	COMPONENTS	FOR ROLLER APP.
2:1		DRG. NO.	210.031
		APVD. <i>18/82</i>	
		CKD.	
		TCD. <i>18/82</i>	
		BRWN.	
		DESIGN	
		NAME	
		DT.	

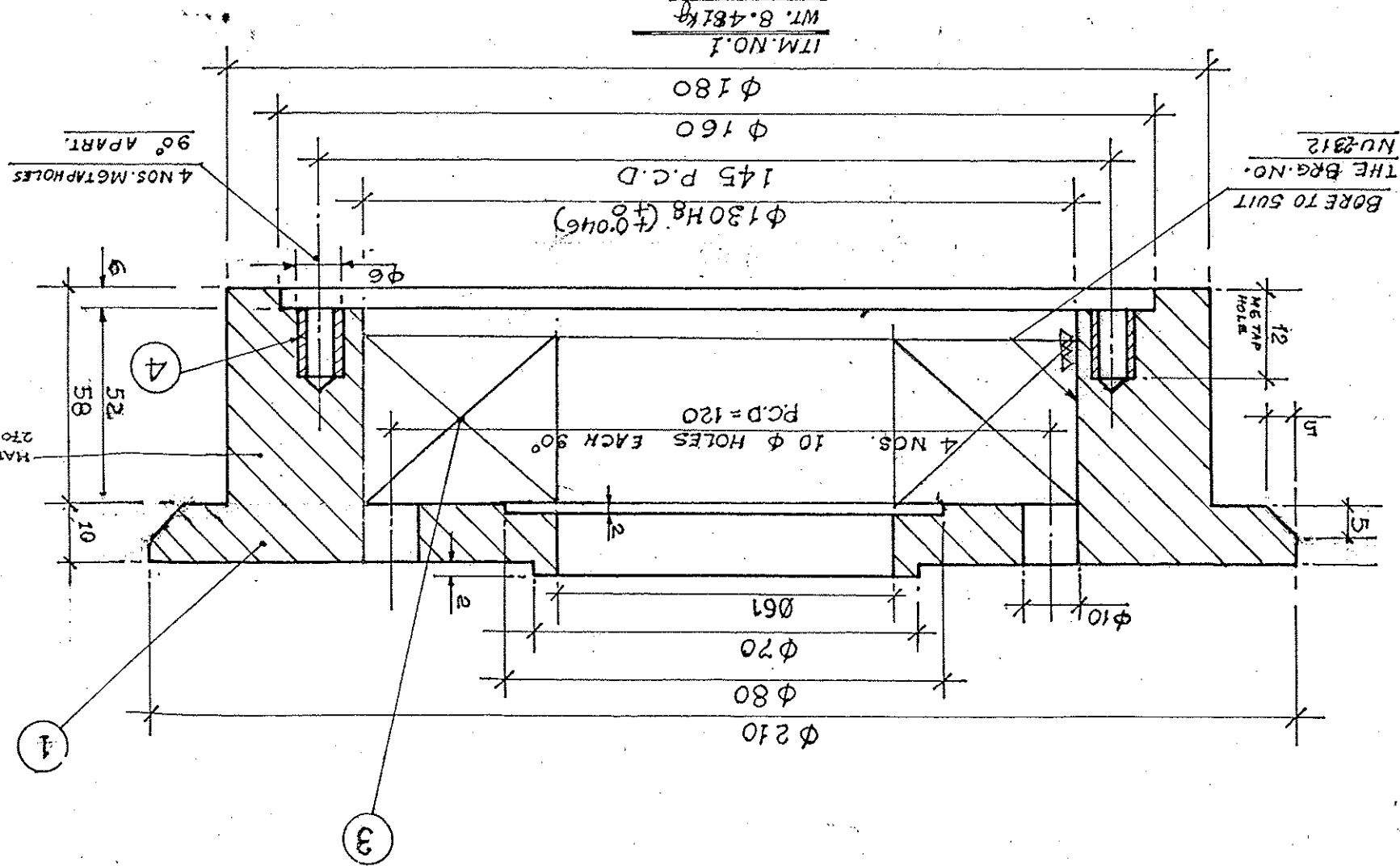
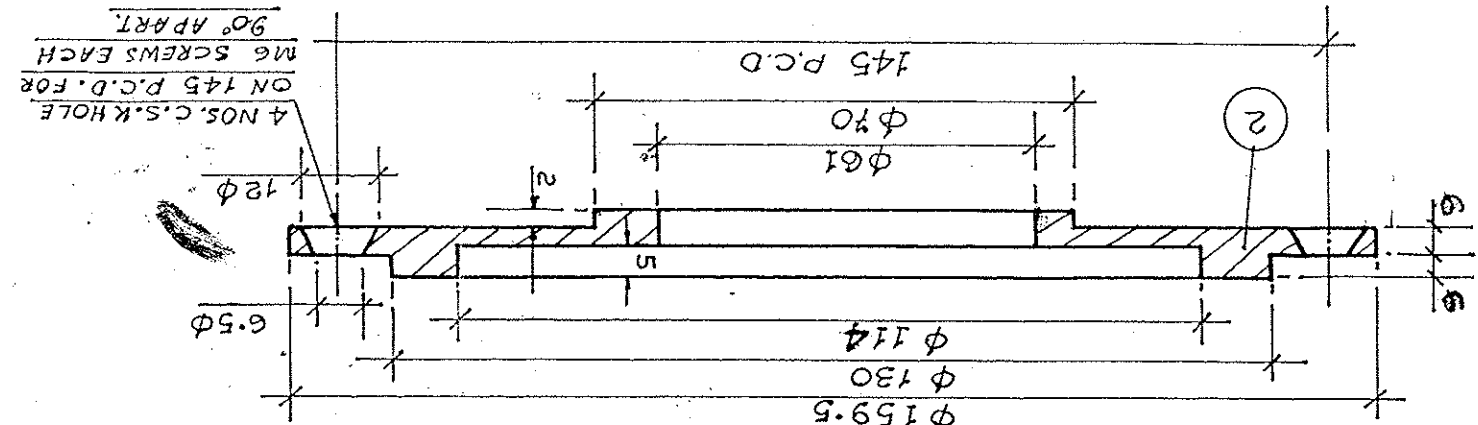
FOR TENDER PURPOSE ONLY

ALL DIMENSIONS ARE IN mm, UNLESS OTHERWISE STATED.

REVNO	DESCRIPTION	CKD.	DATE	APPD.	DATE
2	DRAWING GENERALLY REVISED	08/09/02	08/09/02	08/09/02	08/09/02

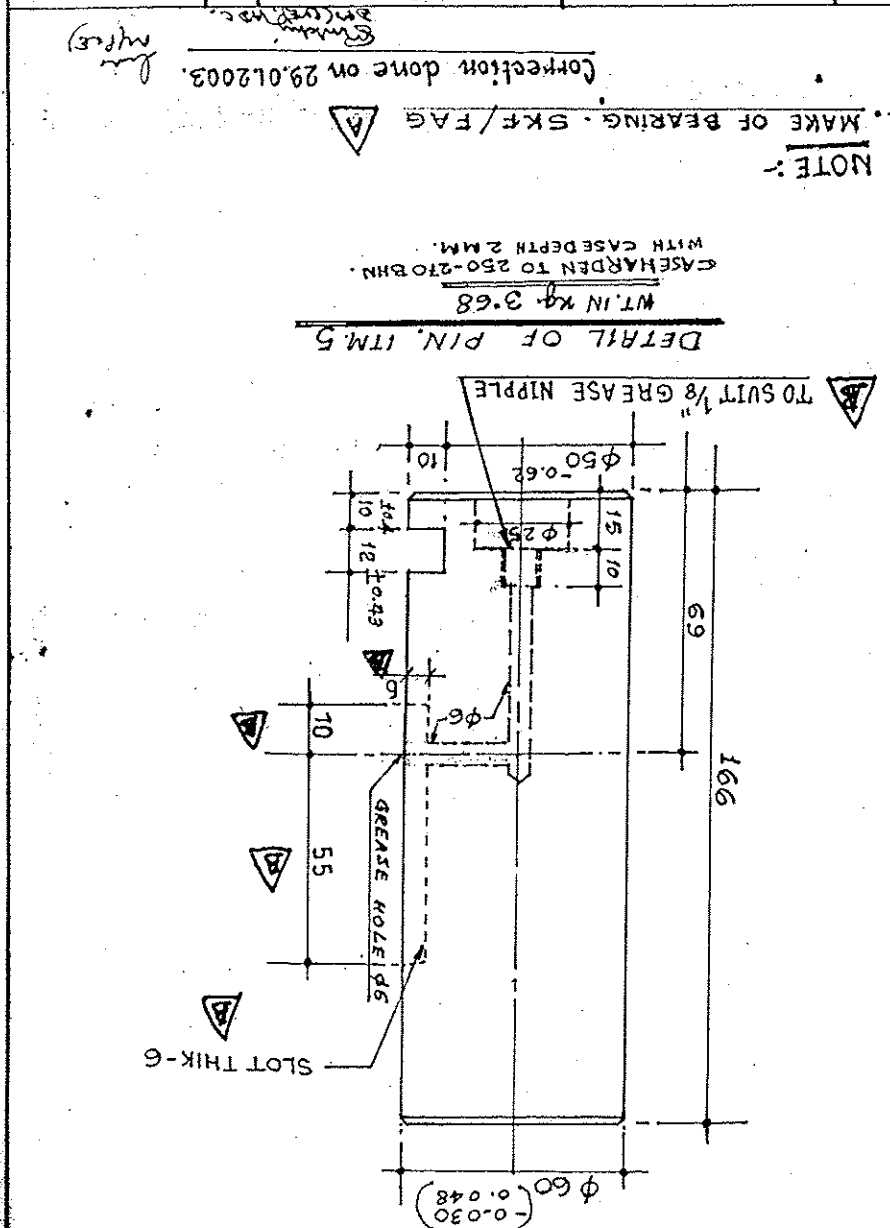
FOR TENDER PURPOSE ONLY

WT. 1025 kg.
ITEM NO. 2

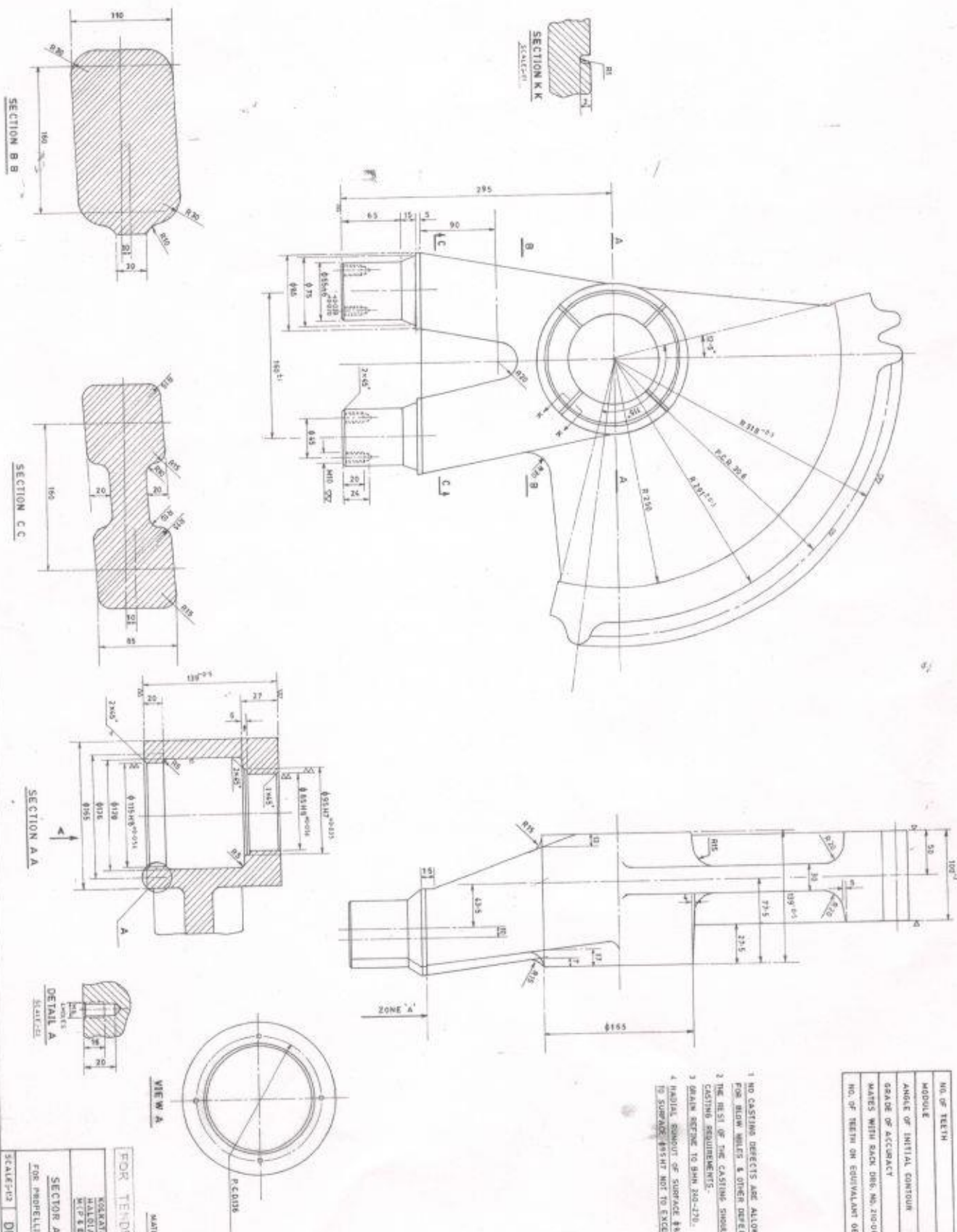


ITEM NO	DRG. NO.	DESCRIPTION	QTY	MATERIAL
1.	210-032R2	WHEEL	1	15:1570 P14-B8
2.	210-032R2	WHEEL COVER	1	15:1570 P14-B8
3.	210-032R2	ROLLER BEARING NO. NU2312	1	NO. NU2312
4.	210-032R2	C.S.K. SCREW M6X16 LG.	6	H.T.
5.	210-032R2	PIN 15:1570 P14-B8	1	15:1570 P14-B8

NAME	DATE	DGN.	DWN.	CKD.	APPD.	SCALE
NAME	DATE	DGN.	DWN.	CKD.	APPD.	SCALE



Correction done on 29.01.2003.



NO. OF TEETH	2	16
MODULE	m	13
ANGLE OF INITIAL CONTOUR	60	25
GRADE OF ACCURACY	-	9X
DRAWN WITH SACK DRG. NO. 210-081		
NO. OF TEETH OR EQUIVALENT OF 648	51	

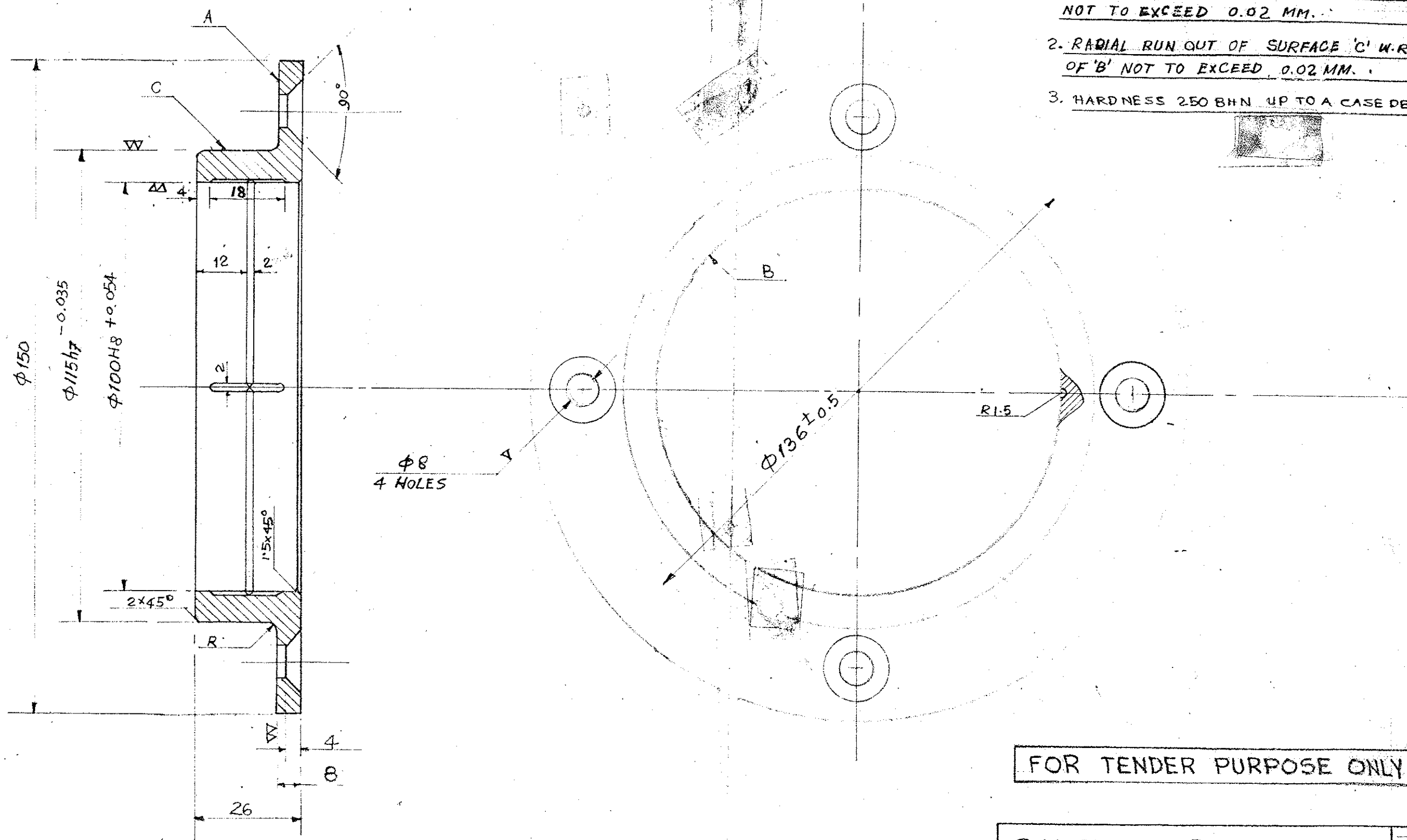
- NO CASTING DEFECTS ARE ALLOWED IN ZONE 'A' & CHECK FOR BURN, CRACKS & OTHER DEFECTS BY X-RAY.
- THE RESID OF THE CASTING SHOULD CONFORM TO GENERAL CASTING REQUIREMENTS.
- GRAIN REFINE TO 300-470.
- HADIAL FINISH OF SURFACE FINISH & FINISH RELATIVE TO SURFACE FINISH NOT TO EXCEED 0.03mm.

ALL DIMENSIONS ARE IN mm; UNLESS OTHERWISE STATED.

THE REST

TECHNICAL REQUIREMENTS

1. NON-PERPENDICULARITY OF SURFACE 'A' W.R.T. B NOT TO EXCEED 0.02 MM.
2. RADIAL RUN OUT OF SURFACE 'C' W.R.T. AXIS OF 'B' NOT TO EXCEED 0.02 MM.
3. HARDNESS 250 BHN UP TO A CASE DEPTH 2 MM.

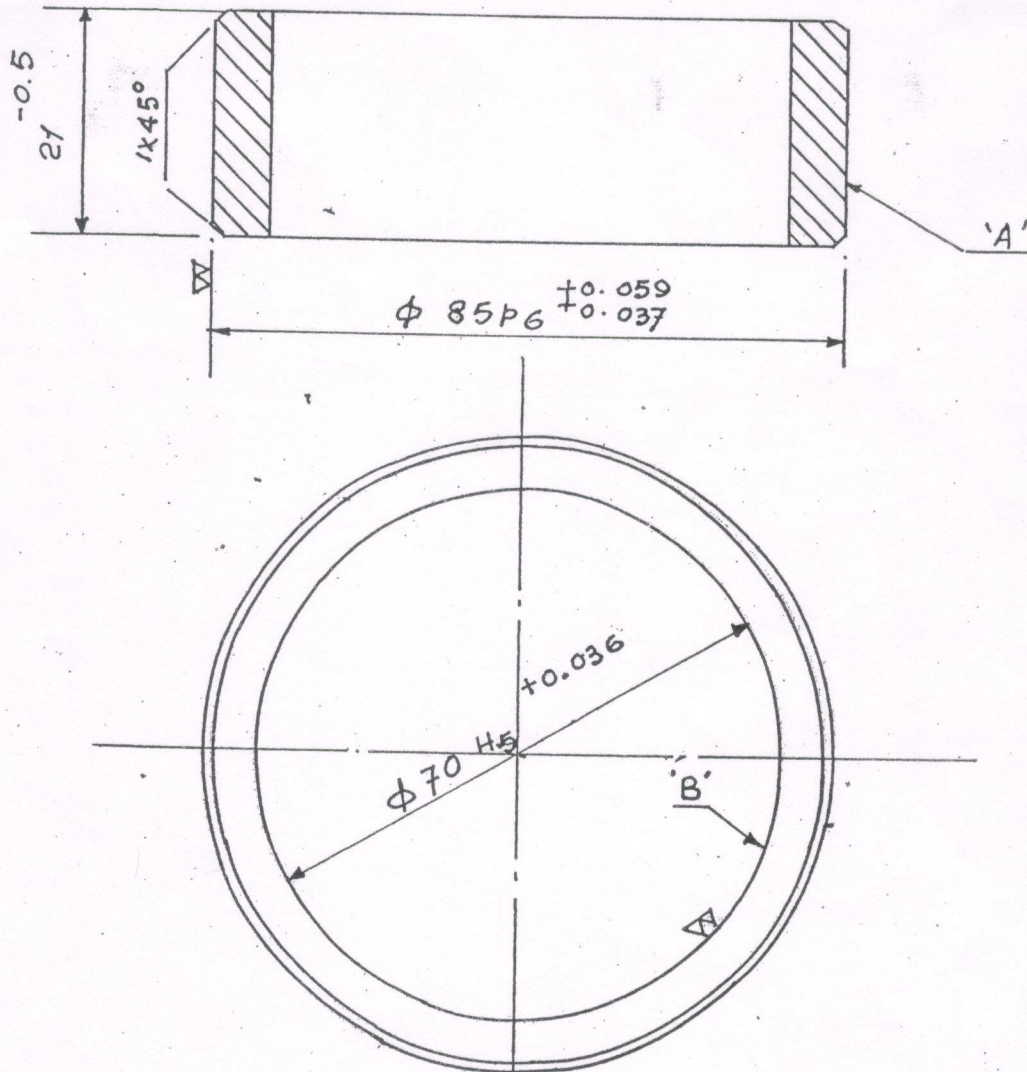


FOR TENDER PURPOSE ONLY.

CALCUTTA PORT TRUST		NAME	DATE
HALDIA DOCK COMPLEX		DESIGN	
MANAGER (P&E)'S DRG. OFFICE		DRWN	
SCALE 1:1	TITLE	TCD.	APVD.
WT 105 kg.	BOTTOM BUSH	CKD.	APVD.
	(FOR PROPELLING ARM ASSY)		
	(WAGON CHARGING DEVICE)		
	STEEL 50 CR 4 - LE		
		DRG. NO.	
			210-055

TECHNICAL REQUIREMENT

RADIAL RUN OUT OF SURFACE 'A' W.R.T.
AXIS OF 'B' NOT TO EXCEED 0.03 mm.



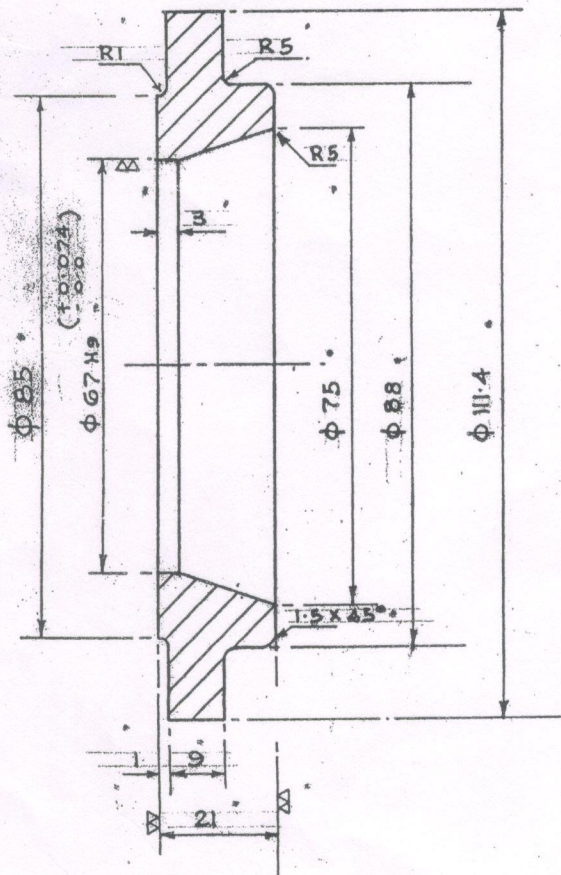
FOR TENDER PURPOSE ONLY.

HARDNESS - 250 BHN.

CALCUTTA PORT TRUST HALDIA DOCK COMPLEX MANAGER (P&E)'S DRG. OFFICE		NAME DT
SCALE 1:1		DGN.
WT. 0.30 KG. (approx.)		DWN.
TITLE		TCD. <i>Bira</i>
BUSH		CKD. <i>W.P.</i>
(FOR PROPELLING ARM ASSY)		APVD.
STEEL 15-1570 PF-1-88		DRG. NO.
		210.056

ALL DIMENSIONS ARE IN mm, UNLESS OTHERWISE STATED.

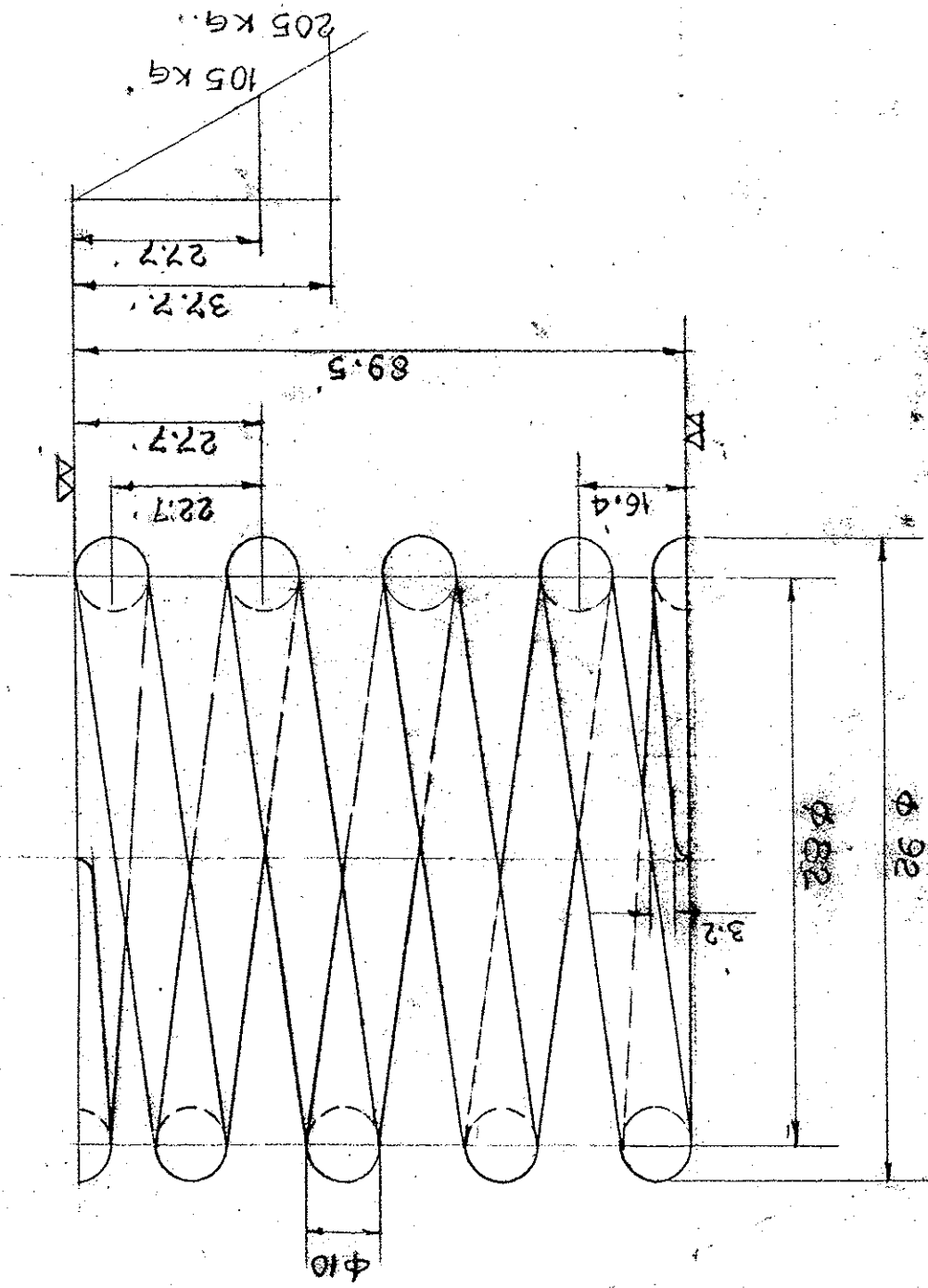
THE REST



FOR TENDER PURPOSE ONLY.

CALCUTTA PORT TRUST		NAME	DT.
HALDIA DOCK COMPLEX		DGN.	
M(P&E)'S DRG. OFFICE		DRN.	
		ICD.	13/11/89
SCALE	1:1	CHKD.	
WEIGHT	0.36	APVD.	
WASHER		DRG. NO.	
FOR PROPELLING ARMS ASSEMBLY (PIVOT PIN)		210.057	
MATERIAL: STEEL 50C14			
IS 1570-1970			

1	TOTAL LENGTH OF WIRE	1291.5
2	HAND OF WINDING	RIGHT
3	NUMBER OF ACTIVE COILS	3.5
4	NUMBER OF TOTAL COILS	5.0
5	SPRING STIFFNESS	5.15 kg/mm
6	ALLOWABLE TORSIONAL STRENGTH	60 kg/mm ²
7	MODULUS OF RIGIDITY	8500 kg/mm ²



TECHNICAL REQUIREMENT

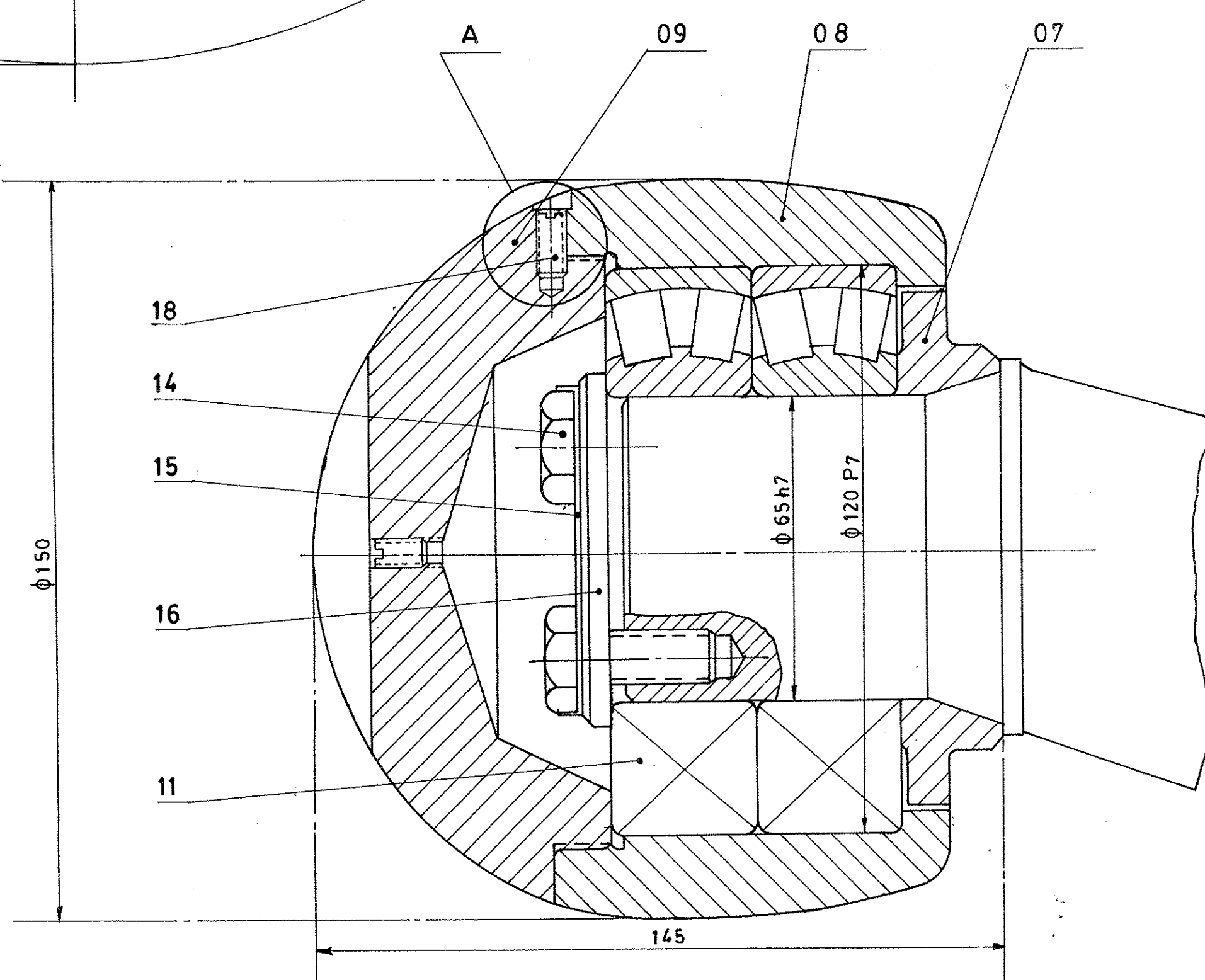
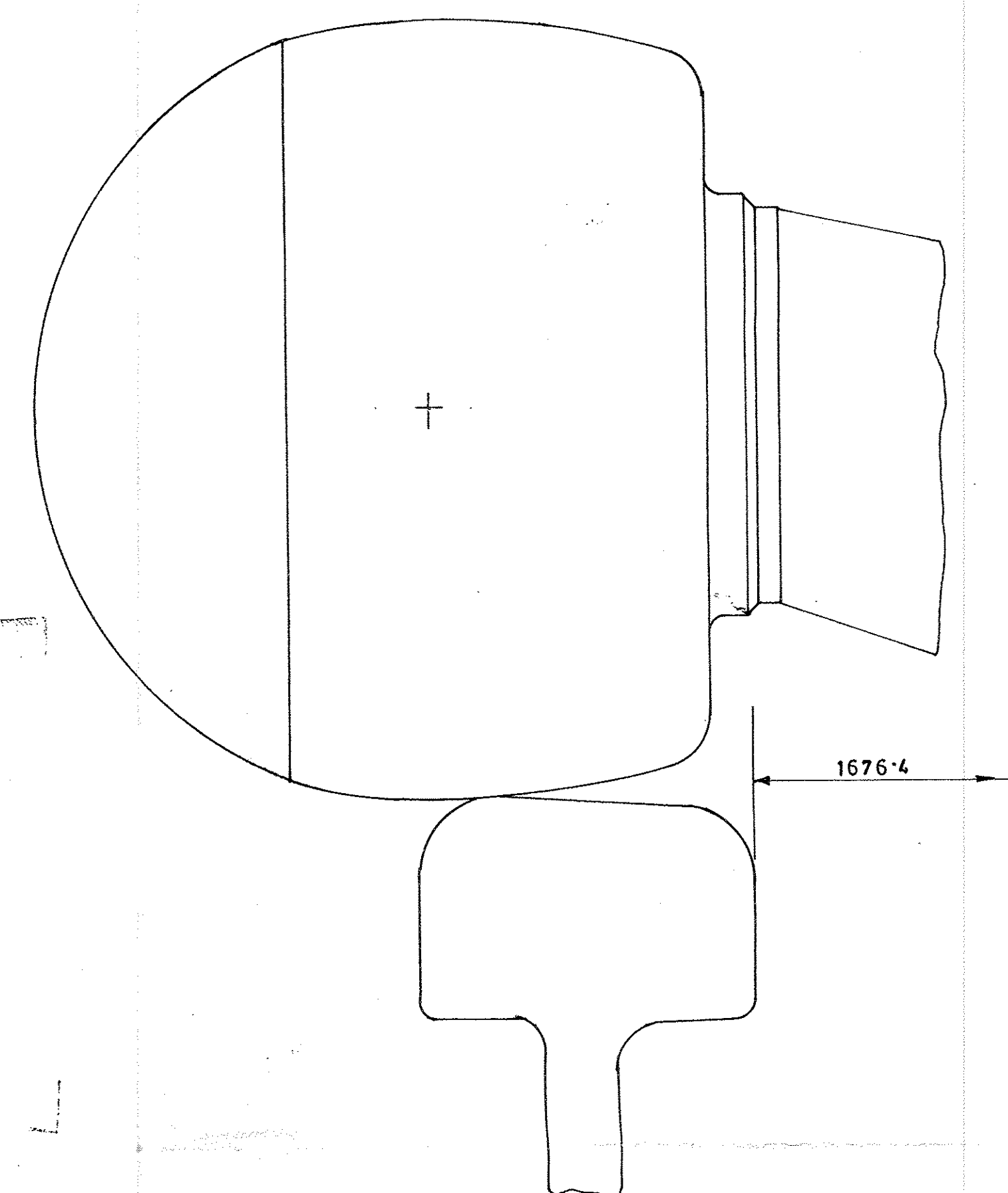
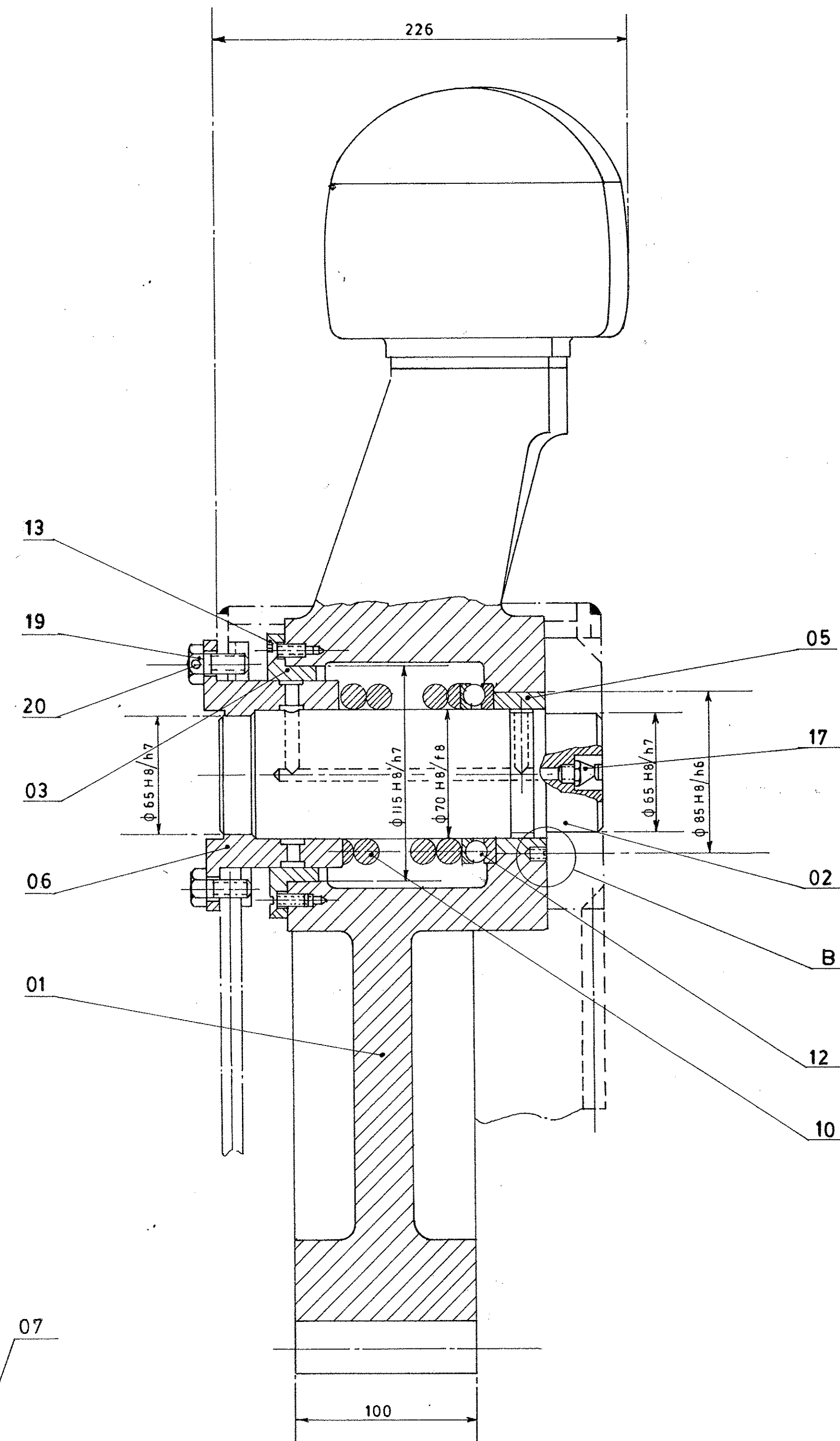
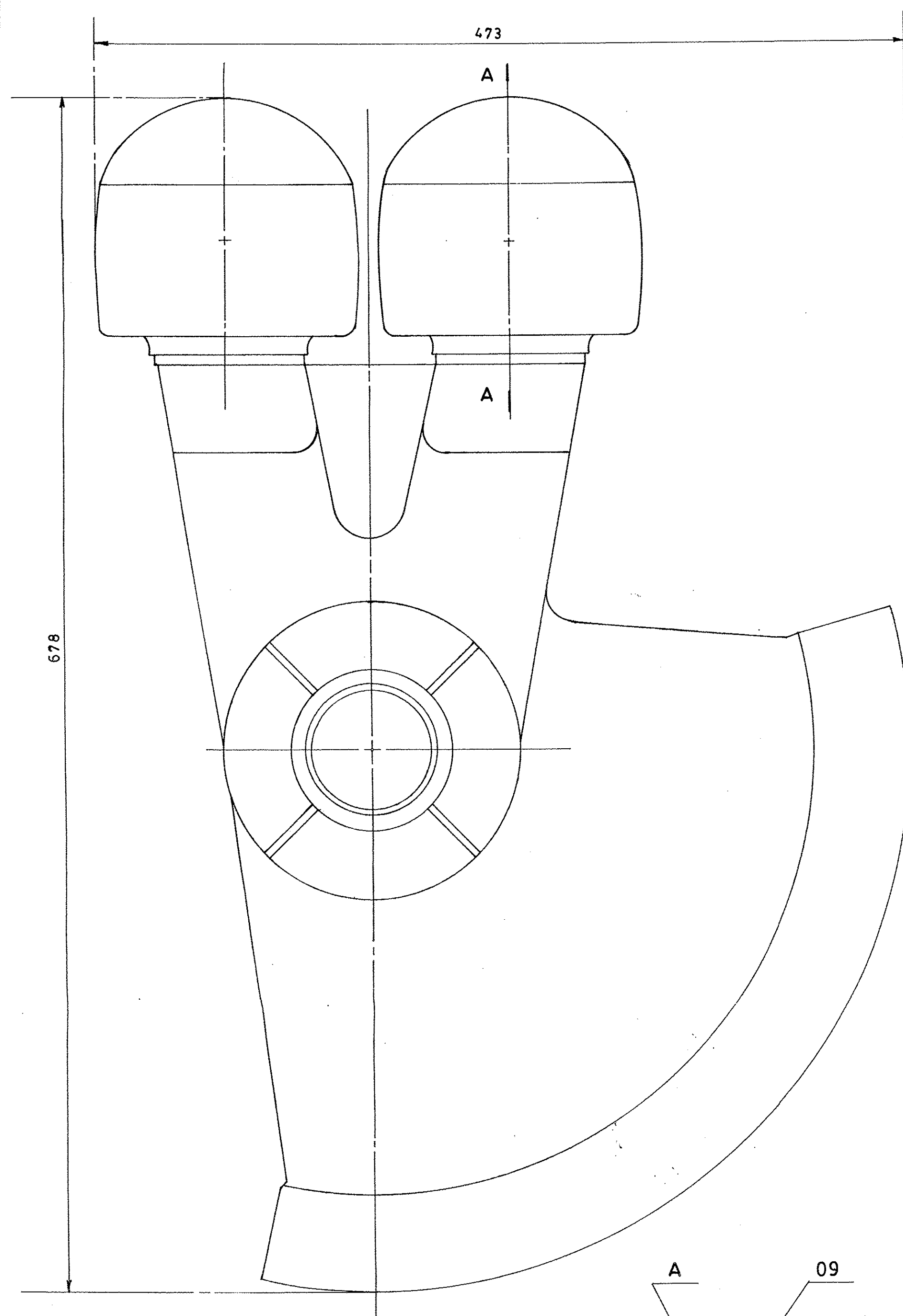
1. SHARP EDGES SHOULD BE ROUNDED OFF
2. NON-PERPENDICULARITY OF THE AXIS OF SPRING W.R. TO ENDS SHOULD NOT BE MORE THAN 1MM ON THE LENGTH OF SPRING
3. HARDNESS SHOULD BE H.R.C 45-50
4. THE END SURFACE SHOULD OCCUPY 3/4 OF COIL AND THICKNESS AT THE ENDS SHOULD BE 2.5 mm MINIMUM.

FOR TENDER PURPOSE ONLY

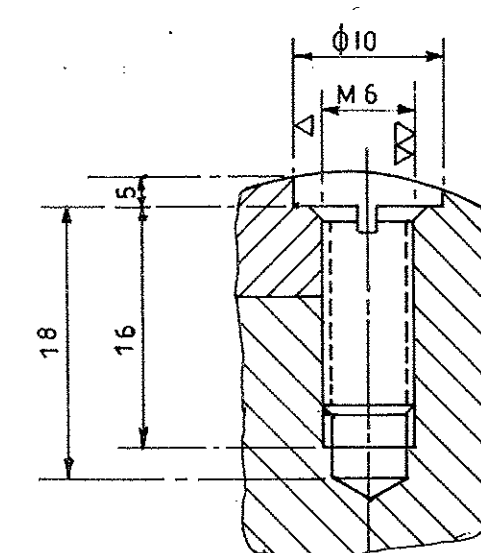
CALCUTTA PORT TRUST	
HALDIA DOCK COMPLEX	
MANAGER (P&T) S.D.R.G. OFFICE	
SCALE: 1/1	TITLE
WEIGHT: 0.8 KG	(Approx.)
SPRING	
MATERIAL: STEEL - S5	
IS: 1570 - P14-8	

ALL DIMENSIONS ARE IN mm, UNLESS OTHERWISE STATED.

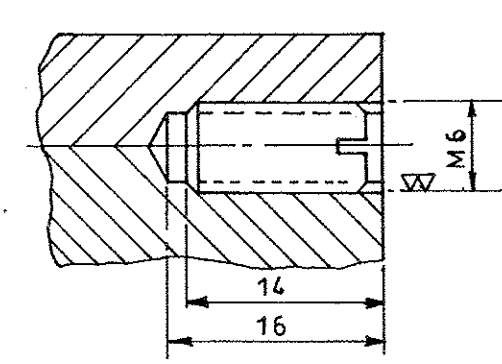
210-059



SECTION A-A
SCALE: 1:1



DETAIL A
SCALE: 2:1



DETAIL B
SCALE: 2:1

NOTE: BEARING MAKE: SKF/FAG.

ITEM NO.	DRAWING NO.	DESCRIPTION	QTY.	MATL.	PER. WT. IN KG. (approx.)	TOTAL WT. IN KG. (approx.)	REMARKS
20	IS: 280	WIRE $\phi 16$, L=600mm.	1	M.S.	0.01	0.01	
19	IS: 1363	BOLT M10x25 WITH HOLES FOR WIRE LOCKING.	6	ST. 4-6, IS: 1367	0.033	0.19	
18	IS: 2388	SLOTTED HEAD GRUB SCREW M6x12 (CON. PL.)	5	8 G, IS: 1367	0.003	0.015	
17	IS: 4009	CONICAL HEAD GREASE NIPPLE AM10x1.	1	STEEL			
16		THRUST WASHER - 65	2	Fe 410 WA IS: 2062-1992.	0.198	0.396	
15		LOCKING STRIP 45x12	2	COLD ROLLED SHEET IS: 513.	0.01	0.02	
14	IS: 1363	BLACK HEX. BOLT M10x25.	4	ST. 4-6, IS: 1367	0.025	0.1	
13	IS: 1365	SLOTTED HEAD CSK. SCREW M6x20.	4	ST. 4-8, IS: 1367	0.004	0.016	
12	51114	SINGLE THRUST BALL BEARING.	1	SKF/FAG	0.36	0.36	
11	22213 C	SPHERICAL ROLLER BEARING.	4	SKF/FAG	1.47	5.88	
10	210-058	SPRING	1	ST 55 S17 IS: 1570 (PL4)-88	0.8	0.8	
09	210-117 R1	ROLLER CAP	2	STEEL Gr.1 IS: 1030	3.53	7.06	
08	210-001 R1	ROLLER	2	42 Cr4 Mo2 IS: 1570 (PL4)-88	3.91	7.82	
07	210-057	WASHER	2	ST 50 Cr4 IS: 1570 (PL4)-88	0.36	0.72	
06	210-014	BUSH	1	ST 30 Cr4 IS: 1570 (PL4)-88	0.27	0.27	
05	210-056	BUSH	1	ST 50 Cr4 IS: 1570 (PL4)-88	0.30	0.30	
04							
03	210-055	BOTTOM BUSH	1	ST 50 Cr4 IS: 1570 (PL4)-88	1.05	1.05	
02	210-024 R1	PIN	1	ST 42 Cr4 Mo2 IS: 1570 (PL4)-88	7.0	7.0	
01	210-060	SECTOR ARM (LEFT)	1	IS 1030, Gr.1	78.0	78.0	

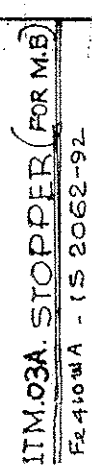
KOLKATA PORT TRUST
HALDIA DOCK COMPLEX
M C P & E'S DRG. OFFICE

PROPELLING ARM ASSY. (LEFT)
FOR CHARGING & MARSHALLING BEETLE

SCALE 1:2 DRG. NO. 210-059

NAME DT.
DGN. —
DRN. —
TCD. —
CKD. —
APVUS. —
WT. IN KG. 116 (approx.)

10790



NOTE :-

1. ITEM NO. 03.03A, 19 AND 20 TO BE WELDED INTERCOMPLETE ASSEMBLY
OF THE BEETLE.

[illegible]

SECTION 'C-C'
SCALE 1:2
DIL. MARONE 15 - 270 TO 290 ENN

1. *What is the main purpose of the document?*

SECTION 'BB'
SCALE 1:2

SECTION 'AA'

SCALE 1:2

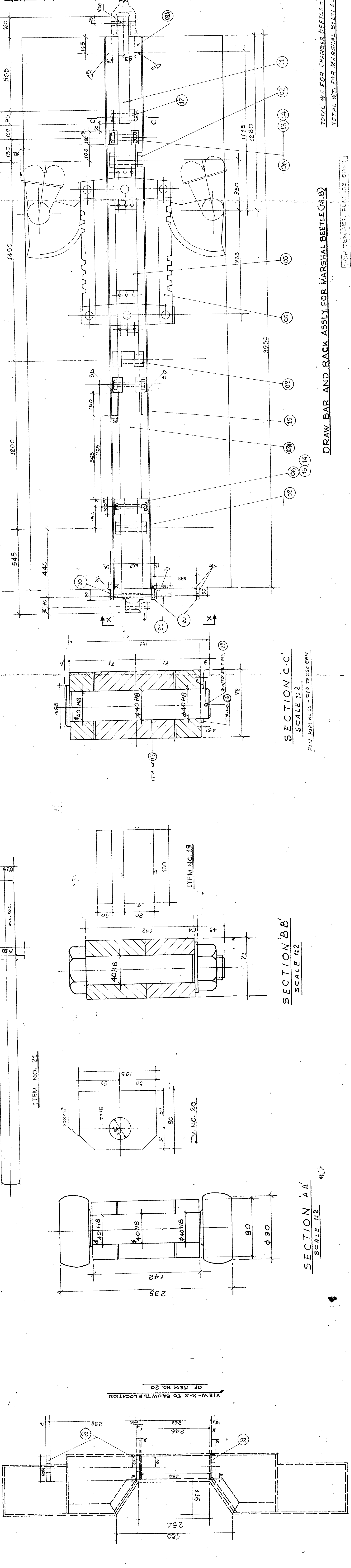
5-11-5

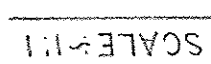
DRAW BAR AND RACK ASSLY. FOR MARSHAL BEETLE (M.B)

FOR TENGER PURPOSE ONLY

TOTAL WT. FOR MARSHAL BEETLE = 365.170 mg. (100%)

APPRO. DATE	1-3-62
SCALE	
DRAW BAR ASSEMBLY.	
FOR CHARGER BEETEE	
AND MARSHAL BEETEE.	
WAT.	DRG. NO. 210.061 R ₁

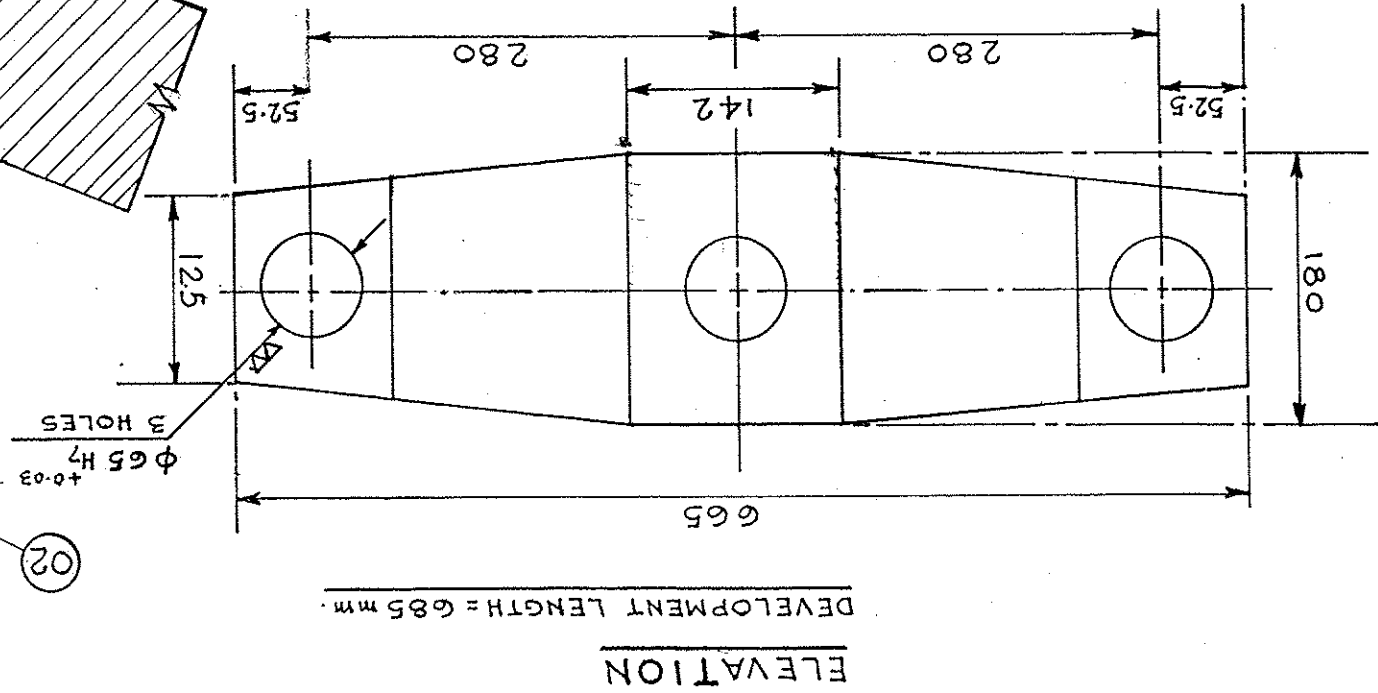
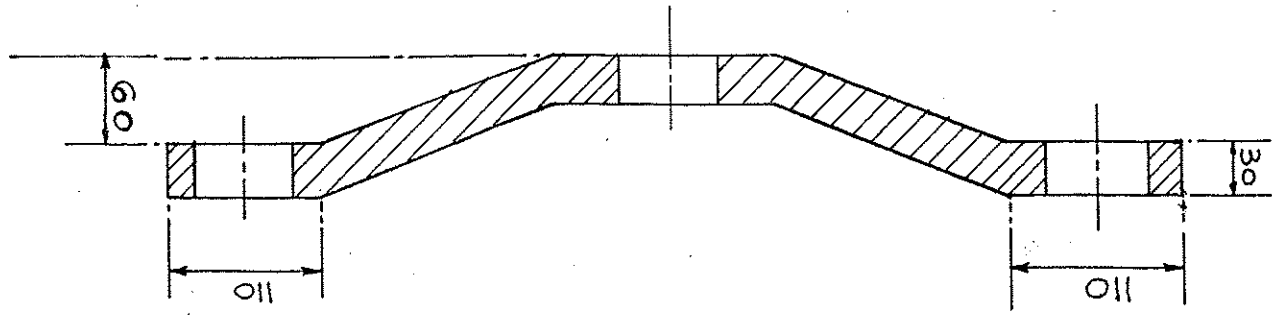




FOR TENDER PURPOSE ONLY

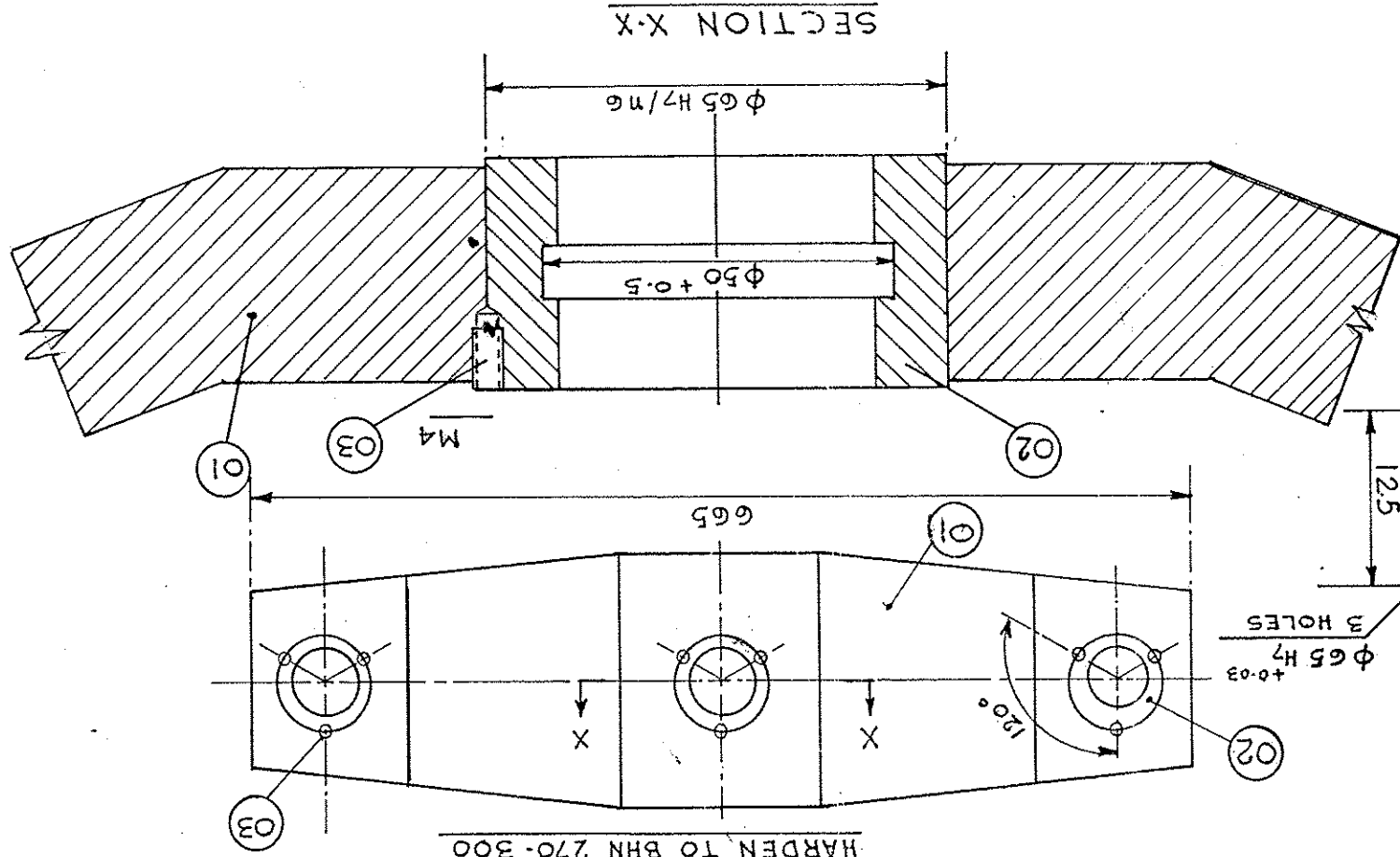
THIS PORTION IS REQUIRED FOR MB
BUT NOT FOR CB.

ALL DIMENSIONS ARE IN mm, UNLESS OTHERWISE STATED.

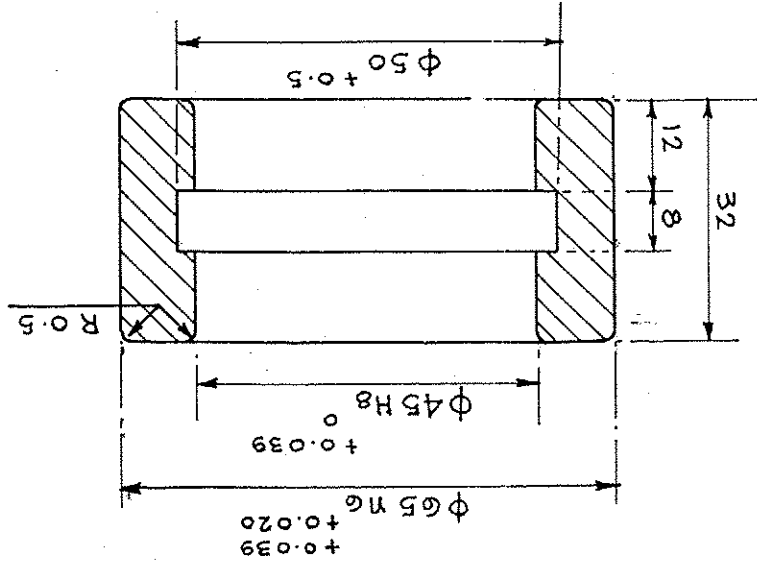


HARDEN TO BHN-240-250.

PLAN



ITEM NO. 2
M/C. (VV) ALL OVER
HARDEN TO BHN 270-300

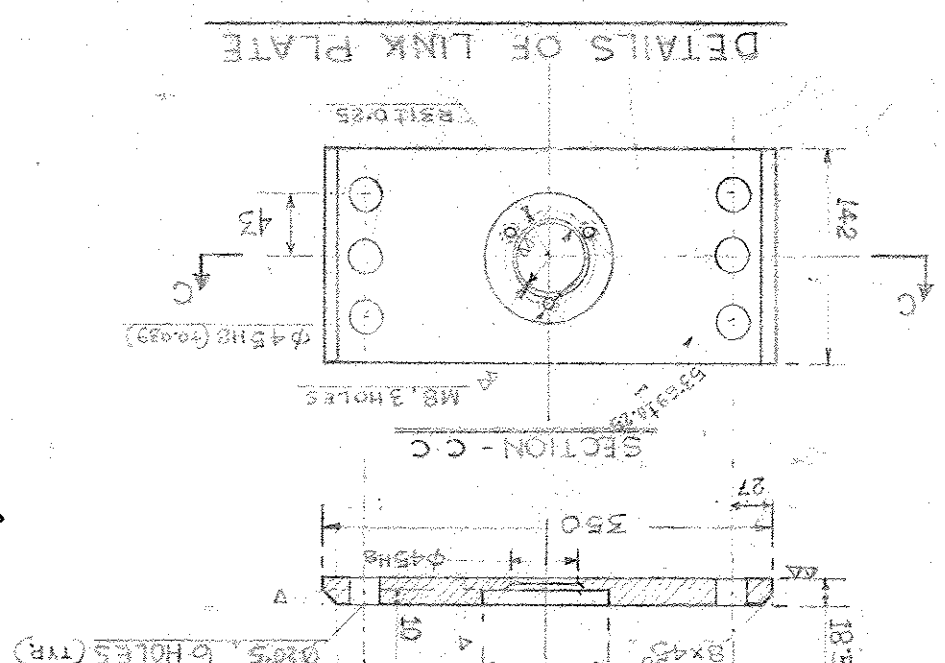
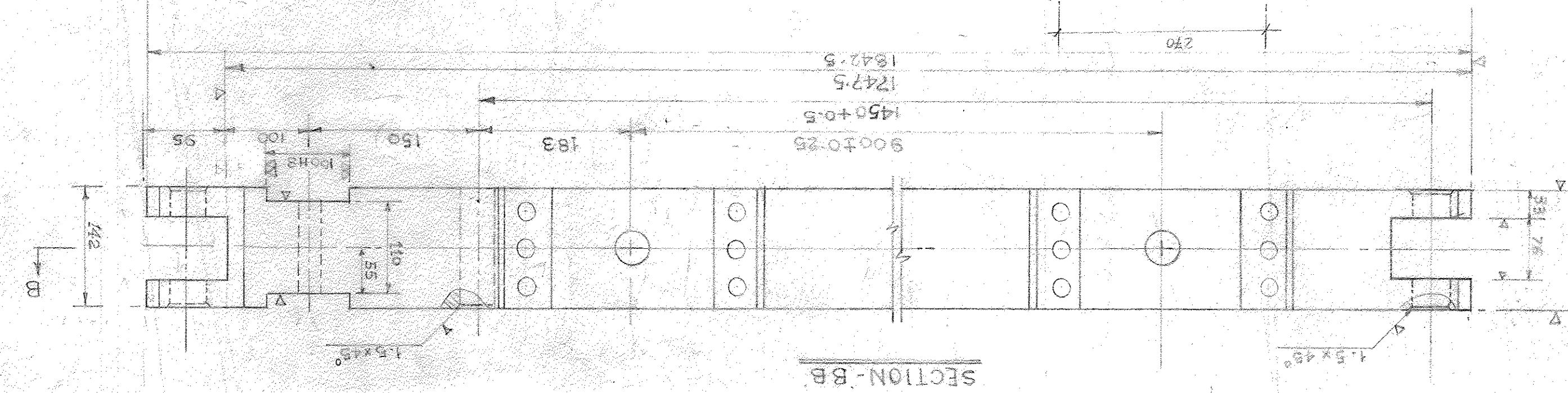
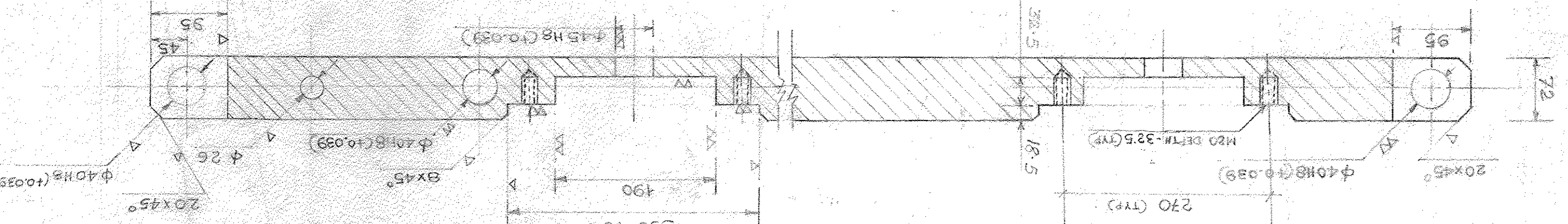
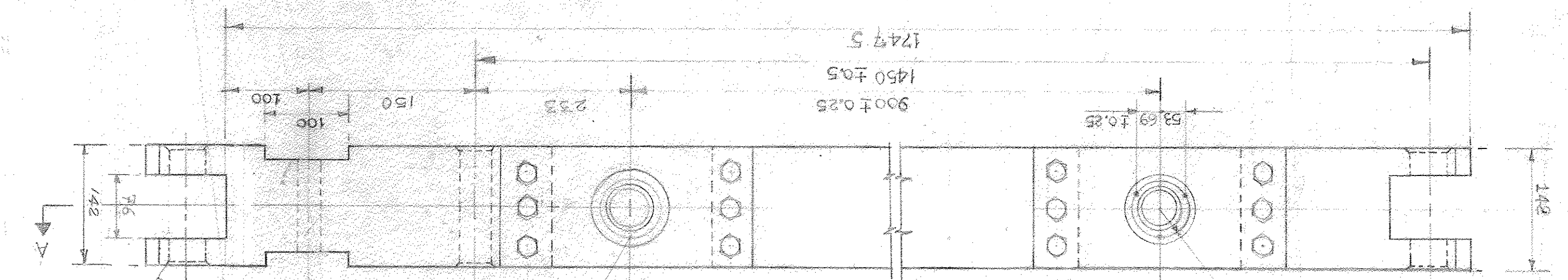
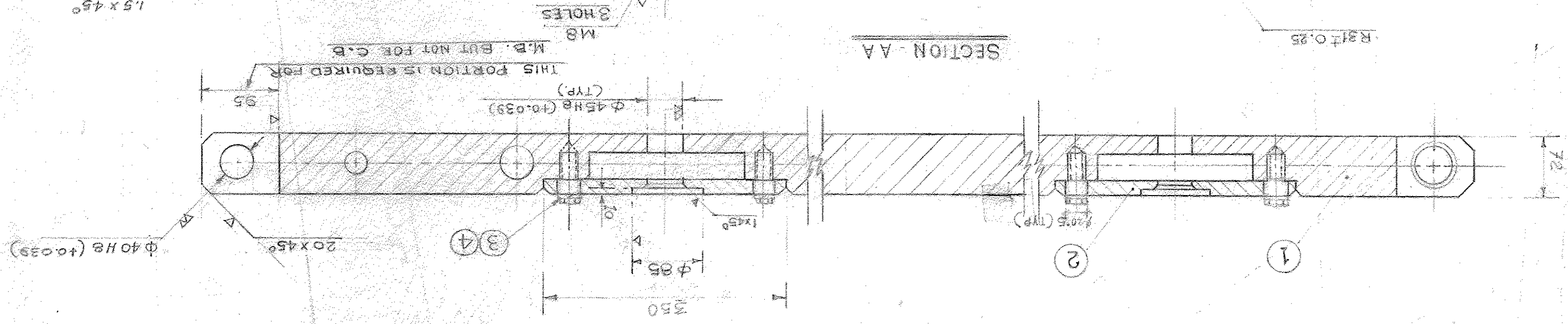


SL NO	DESCRIPTION	QTY	MATL.	WT. IN KG (4th)	REMARKS
				PER ITEM	TOTAL
01	LINK PLATE	1	ST. 410W 15:2062-9	23.00	23.00
02	BUSH	3	ST. 50CR4 15:1570-14-85	0.22	0.66
03	SLOTTED HD. GRUB SCREW (CON.END) M4 x 6.	9	ST. 8 15:1367	0.0003	0.0027

KOLKATA PORT TRUST
HALDIA DOCK COMPLEX
M(P&E)'S DRG. OFFICE
LINK ASSEMBLY
FOR DRAW BAR ASSY. OF C.B. & M.B.

SCALE 1:1 & 1:5	DRG NO 210-077 REV 1
-----------------	----------------------

NAME	DI.
DGN	—
DRN	19-01-02
ICD	—
CKD	9.1.1.1
APVD	1.3.02
WT IN KG	23.66 (approx)



FOR TENDER PURPOSE ONLY

SL. NO.	DESCRIPTION	QTY	MATL.	DEF. TOTAL	REMARKS
1	LINK	1	"	129.5/129.5	
2	PL. FOR LINK	2	ST. 50 CR4	6.35/12.70	
3	BLACK HEX BOLT	12	15-1363		
4	M20 SPRING WASHER	12	15-8065		

NAME: CT

DRG. SUBP

DWN

APVD

SCALE: 1:5

WT: 142.27

HALDIA DOCK COMPLEX

M (P&S) DRAWING OFFICE

DRAW BAR

FOR RACK ASSEMBLY

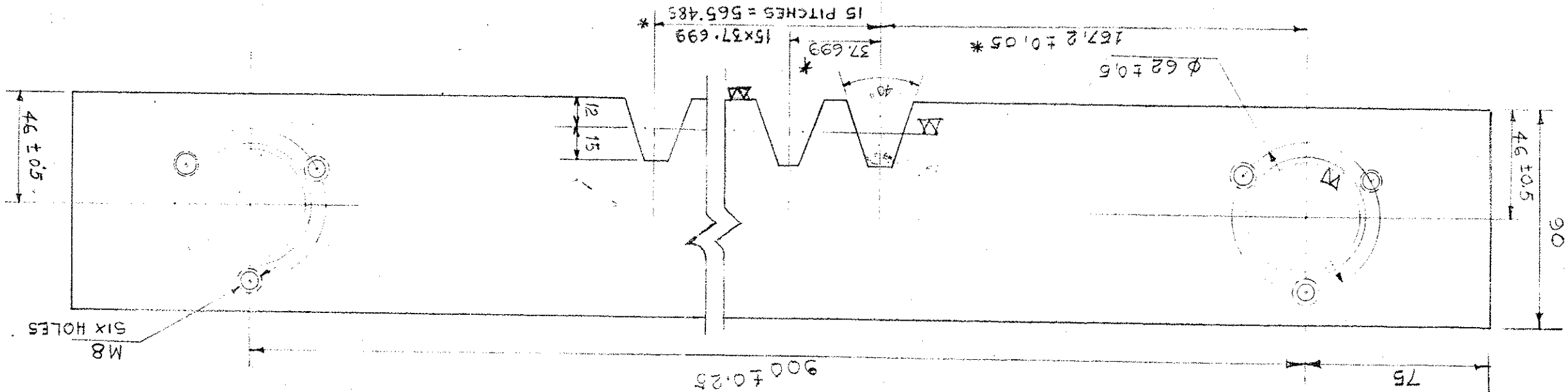
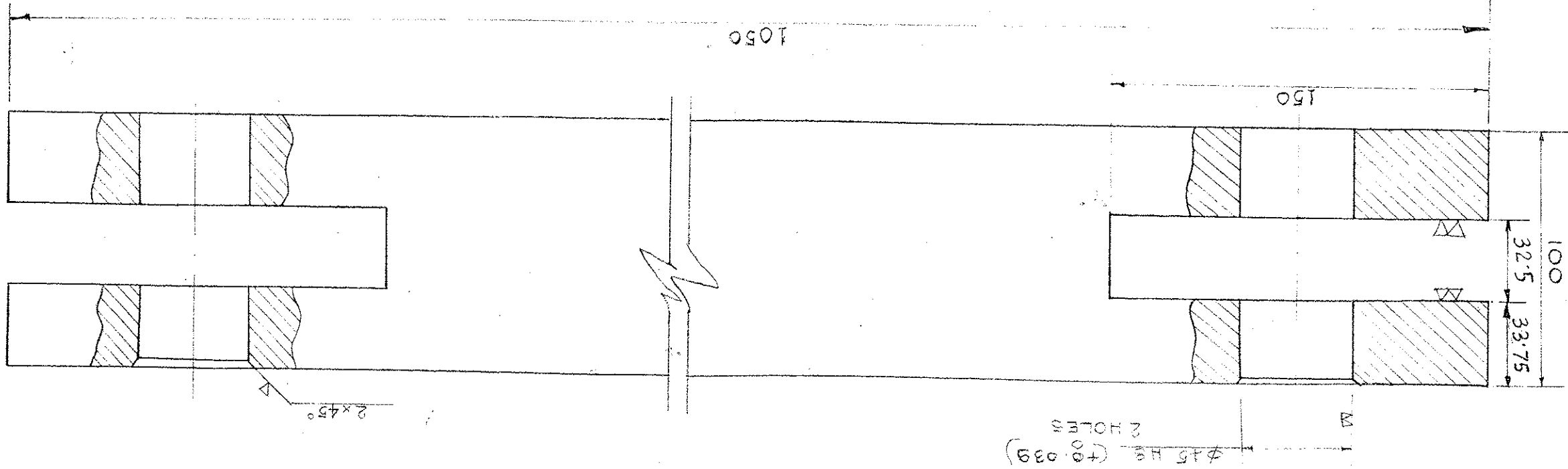
MATL: ST 50 CR4

DRG. NO. 210-078 R1

180.012

ALL DIMENSIONS ARE IN mm, UNLESS OTHERWISE STATED.

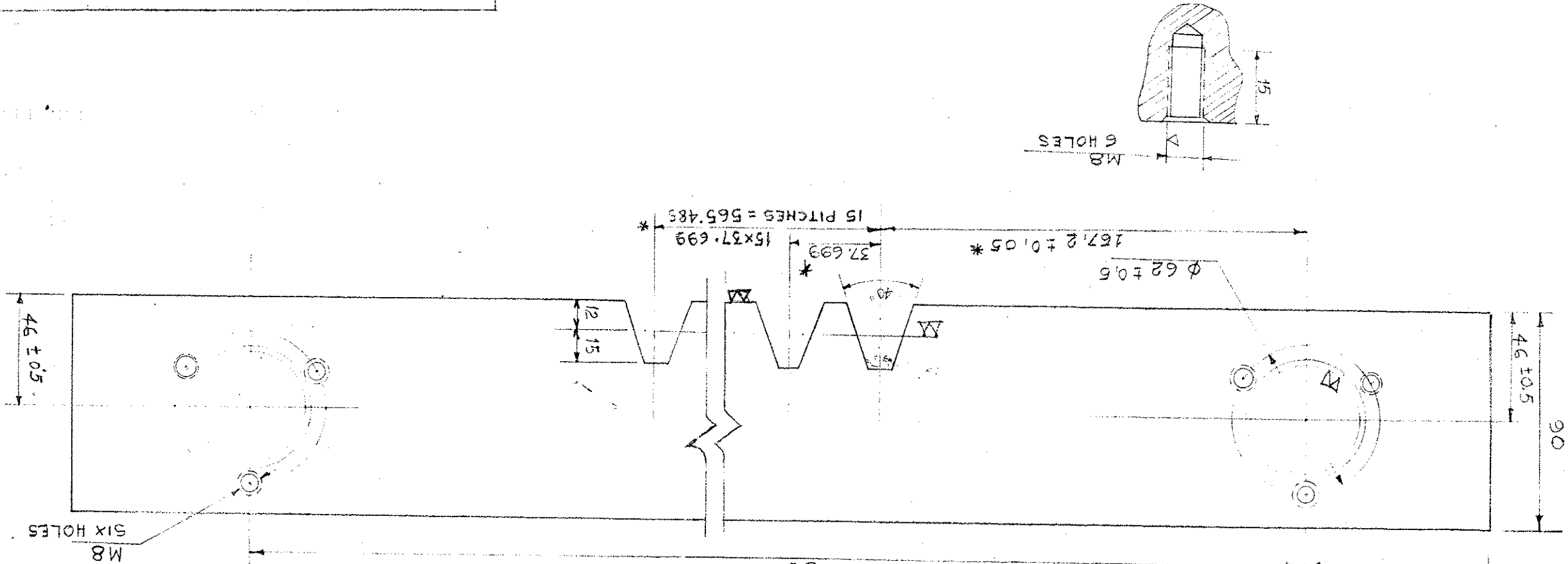
▽ THE REST



φ 45 H8 (± 0.039)

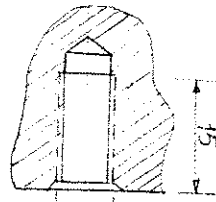
2 HOLES

M



M8

6 HOLES



1 DIMENSIONS *- THUS MARKED ARE TO BE KEPT IDENTICAL IN BOTH THE RACKS.

2 TOOTH PROFILE BASIC RACK PR. ANGLE 20°.

3 HARDNESS: 270-300 BHN.

FOR TENDER PURPOSE ONLY

SCALE

1:2

WT. 65 KG

(approx)

MATL. STEEL 50 CR 4, 1570 PH-4-28

FOR BACK APPROVAL

RACK

CALCUTTA PORT TRUST
HALDIA DOCK COMPLEX
MANAGER (P&E)'S DRG. OFFICE

DESIGNED

DRAWN

TRACED

CHECKED

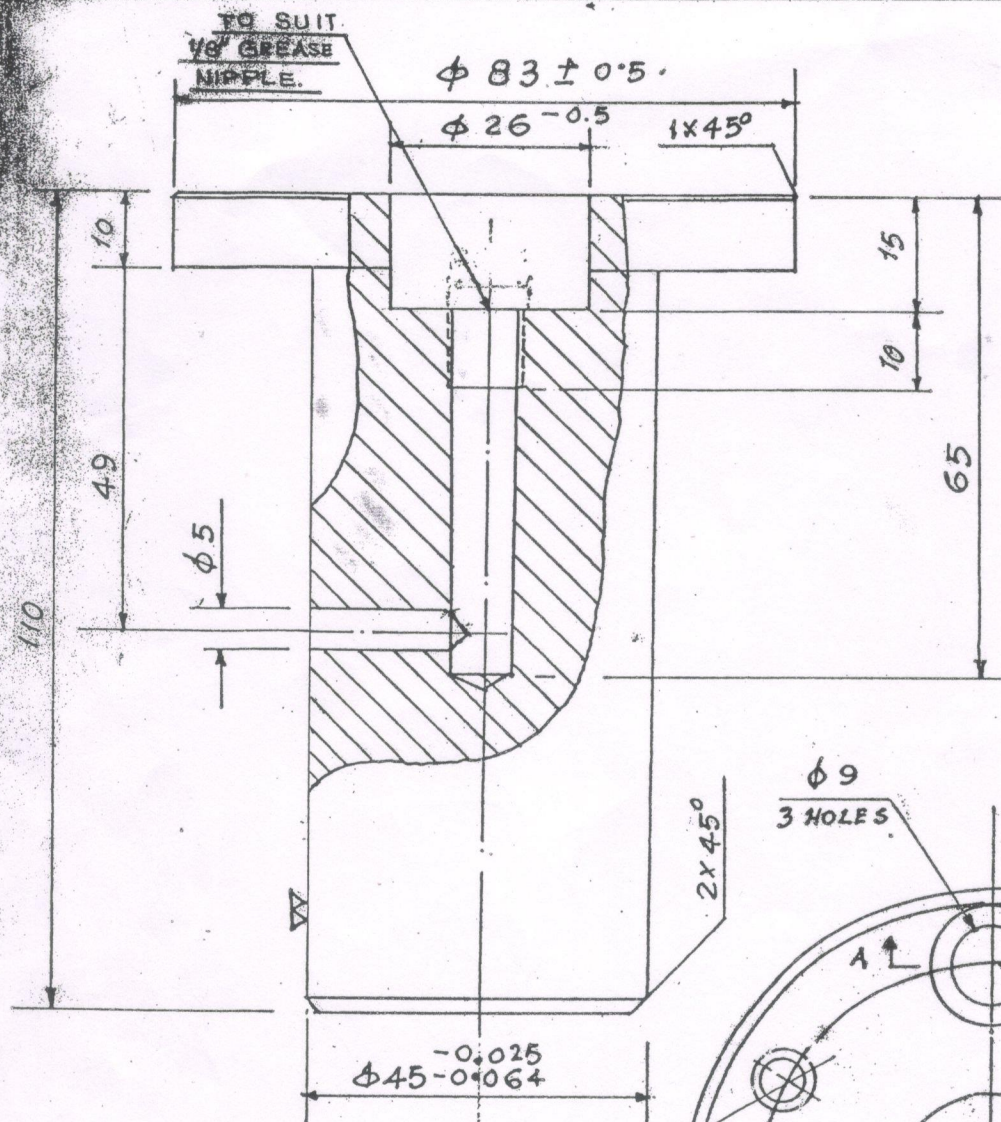
APPROVED

DRAWING NO.

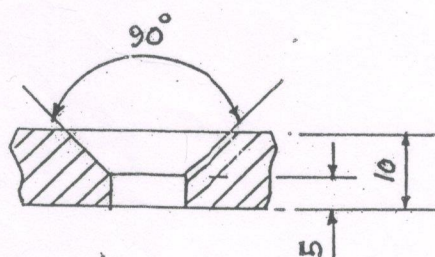
210.081

880.012

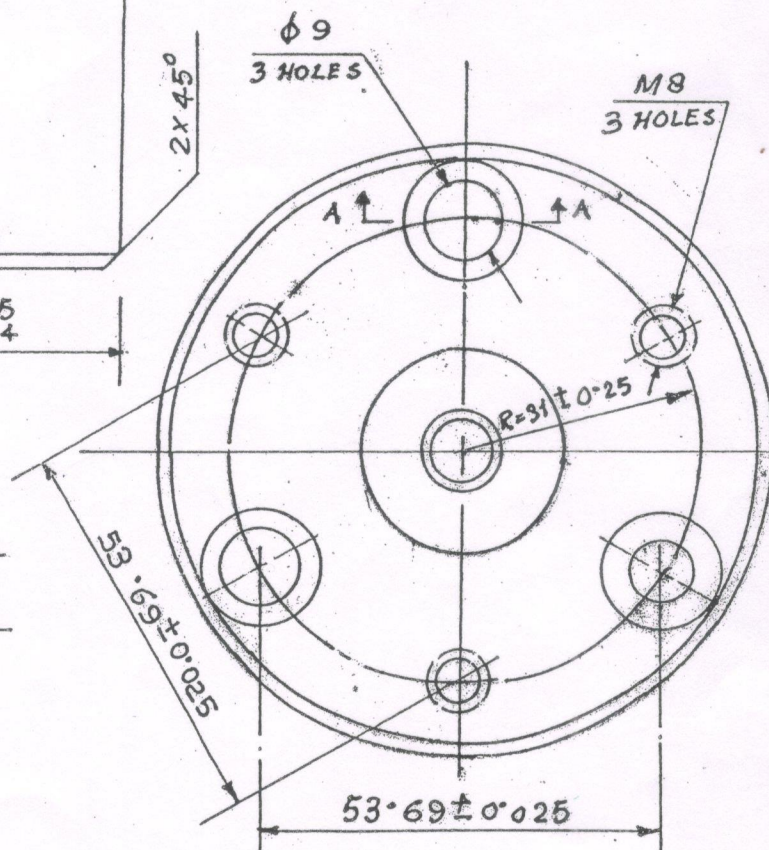
ALL DIMENSIONS ARE IN mm.; UNLESS OTHERWISE STATED.



▽ THE REST



SECTION A-A



HARDNESS - 250-270 BHN.

CALCUTTA PORT TRUST
HALDIA DOCK COMPLEX
M(P&E)'S DRG. OFFICE

NAME DT.

DGN.

DWN.

TCD. *Bera*CHKD. *P. K. Saha*APVD. *18.11.88*

DRG. NO

810.082

FOR TENDER PURPOSE ONLY

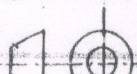
SCALE 1:1

TITLE

WT. 1.35
(approx.) KG.

PIN FOR
RACK ASSEMBLY

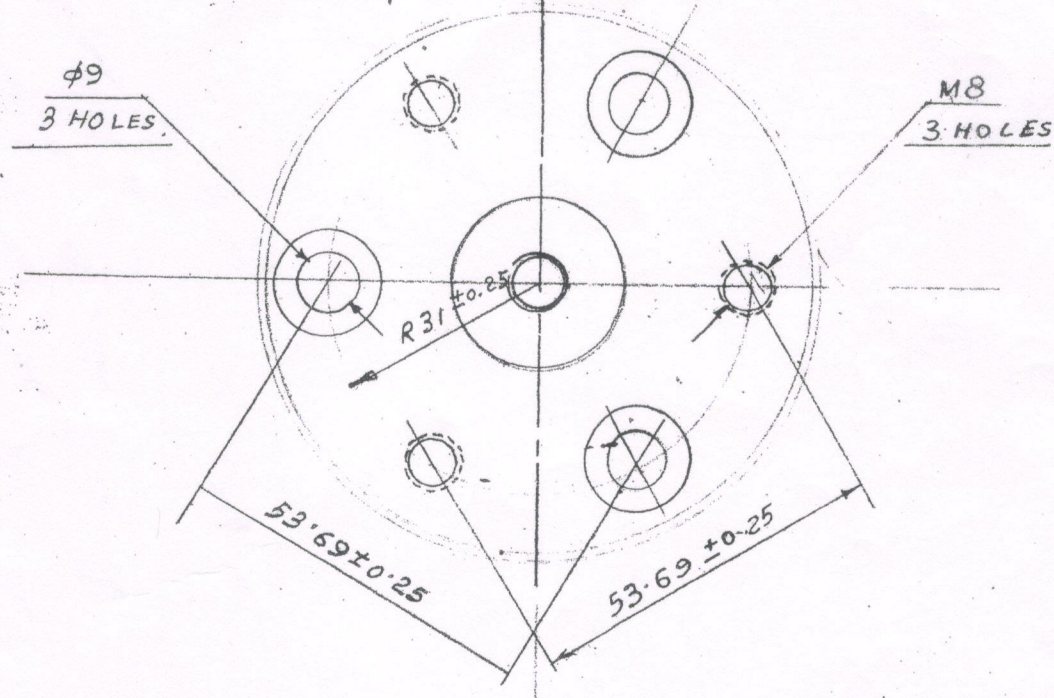
MATL. STEEL 50C4 - IS 2063-58



Technical drawing of a mechanical part, likely a bearing housing, showing a cross-section with dimensions and a section line.

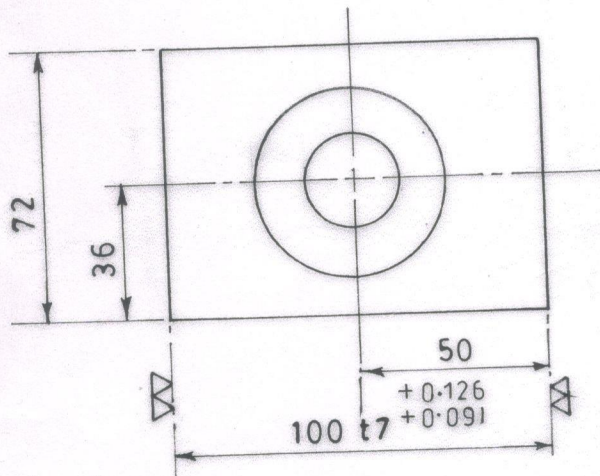
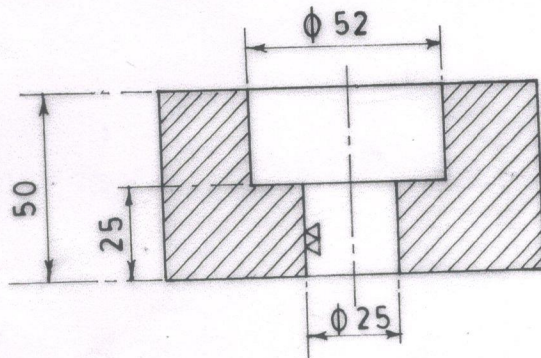
Key dimensions and features:

- Overall width: $\phi 83 \pm 0.5$
- Top left corner: 90°
- Top center hole: $\phi 26 \pm 0.5$
- Top right chamfer: $1 \times 45^\circ$
- Left side height: 42
- Left side step: 4
- Internal feature: TO SUIT 1/8" 4 GREASE NIPPLE
- Right side height: 29 ± 0.5
- Right side step: 15
- Right side hole: $\phi 5$
- Bottom right chamfer: $1.5 \times 45^\circ$
- Bottom width: $\phi 45 \pm 0.025$
- Bottom hole: $\phi 5$
- Section line: 71-1



REV -

SCALE - 1:1

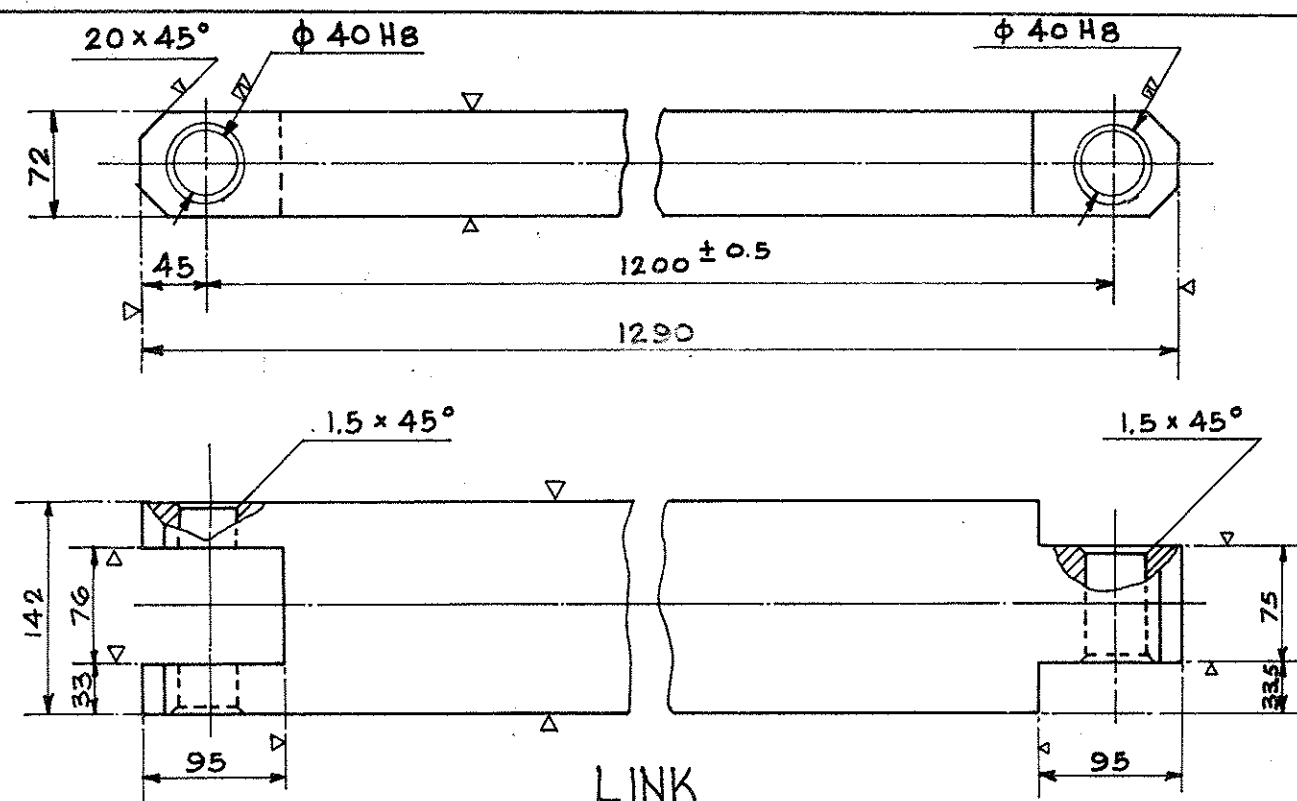


MATL. :- ST. 50 Cr4, IS:1570 (Pt IV)-1988.

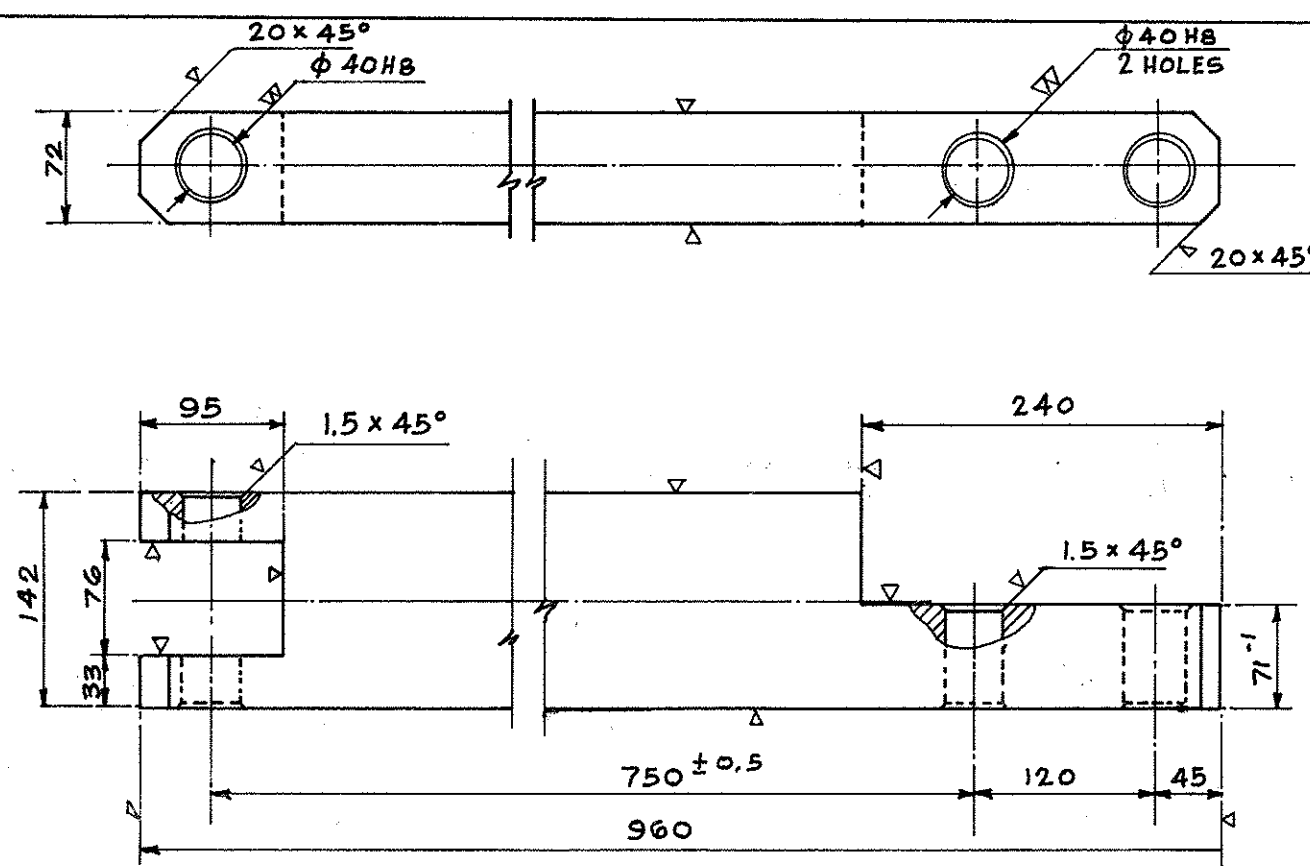
HARDNESS: 240 - 270 BHN.

WT. 0.275 KG (approx.)

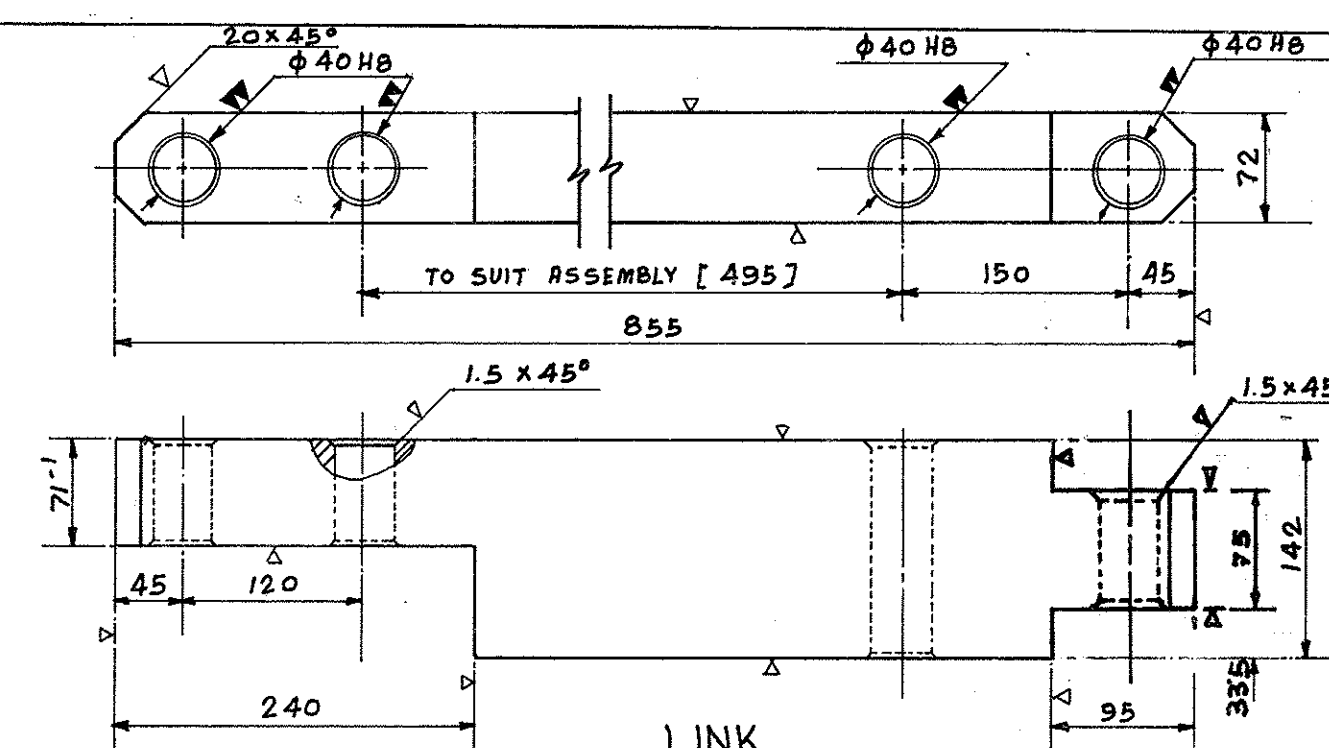
KOLKATA PORT TRUST HALDIA DOCK COMPLEX M(P & E)'S DRG.OFFICE	NAME	DT
	DGN	—
STOPPER BLOCK. FOR DRAW BAR ASSEMBLY.	DRN	16-10-08
	TCD	—
	CKD	16/10/08
	APVD	23.10.08
SCALE:-1:2	DRG. NO. 210-084 R1.	



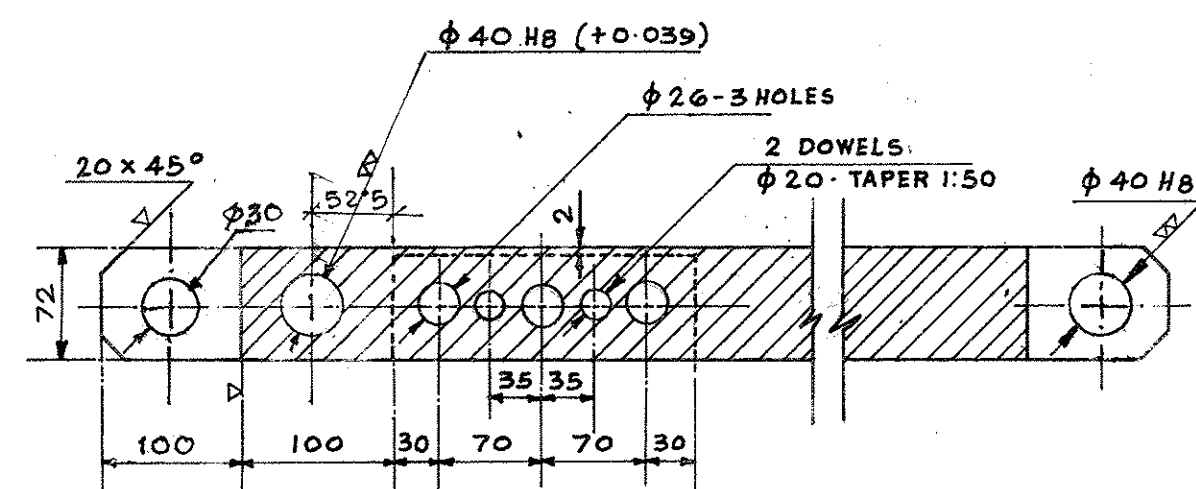
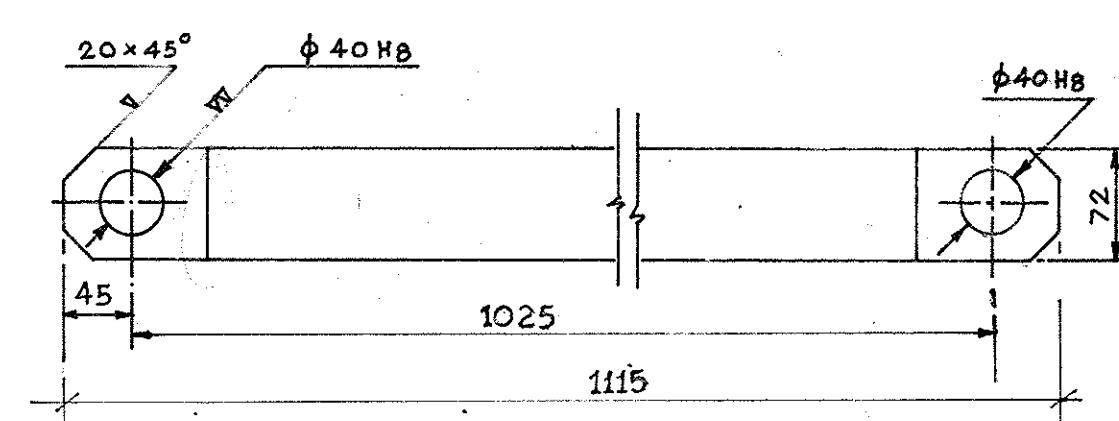
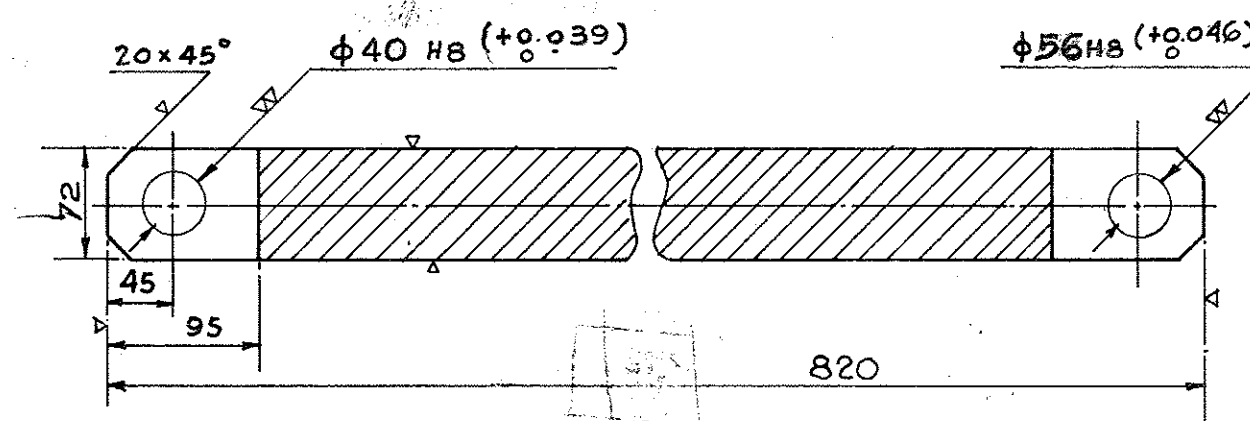
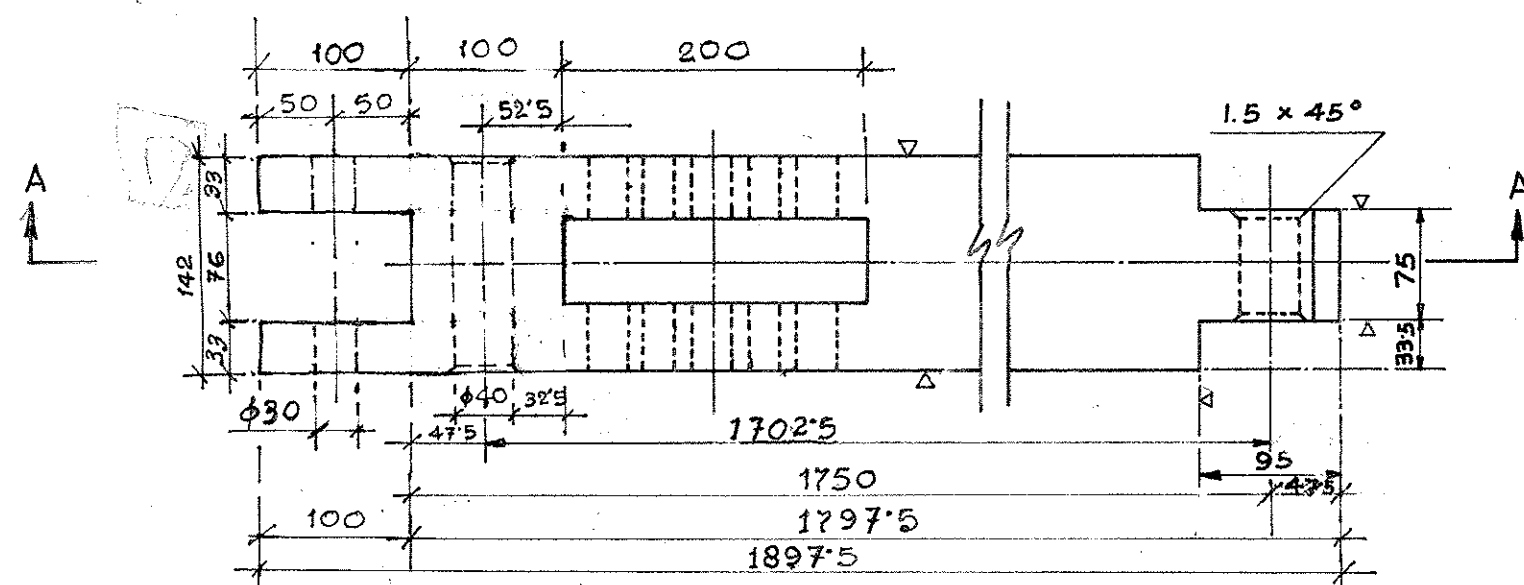
LINK
WEIGHT-103.53KG. (approx.)
DRG. NO. 210-085/1
REF. BC1/04.00.00.02A



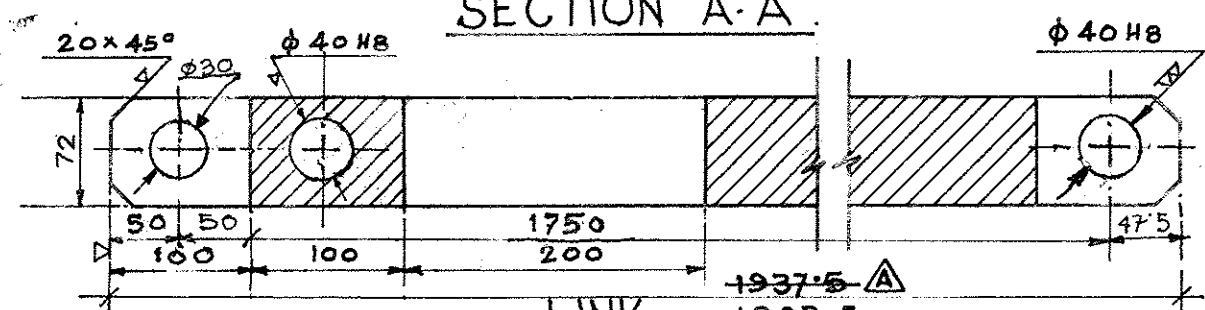
LINK
WEIGHT-77.048KG. (approx.)
DRG. NO. 210-085/2
REF. BC1/04.00.00.03A



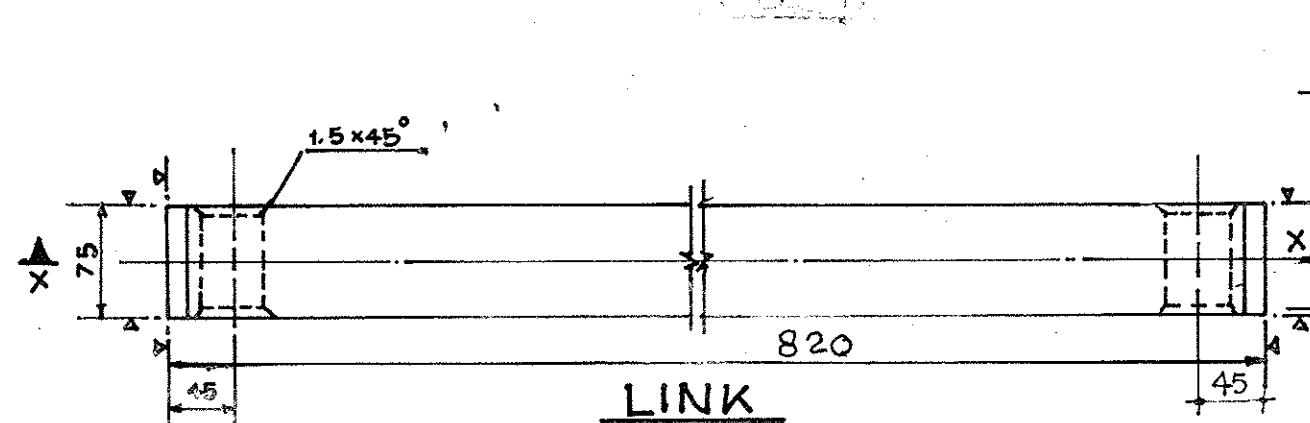
LINK
WEIGHT-67.66 KG. (approx.)
DRG. NO. 210-085/3
REF. BC1/04.00.00.04A
1. HOLES MARKED BY ▼ SHOULD BE DRILLED IN ASSEMBLY.



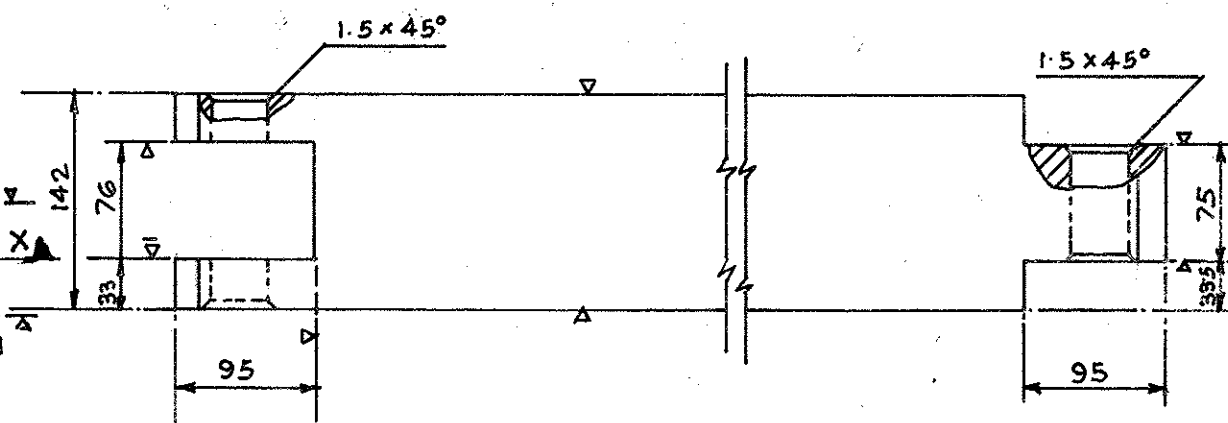
SECTION A-A



LINK
WEIGHT - 152.5 KG. (approx.)
DRG. NO. 210-085/4



LINK
WT. IN KG. = 32.64 KG. (approx.)
DRG. NO. 210-085/5
SEC-X-X



LINK
WT. IN KG. = 89.48 KG. (approx.)
DRG. NO. 210-085/6

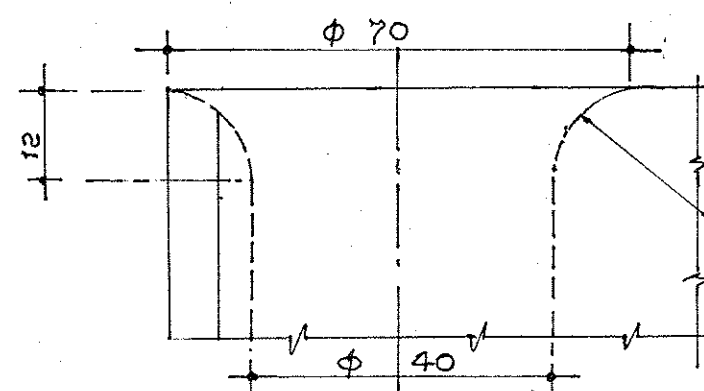
△ CORRECTION DONE ON 06.08.02

30 H8	+0.033
40 H8	+0.039
NOM. DIMN.	TOL. IN MM.

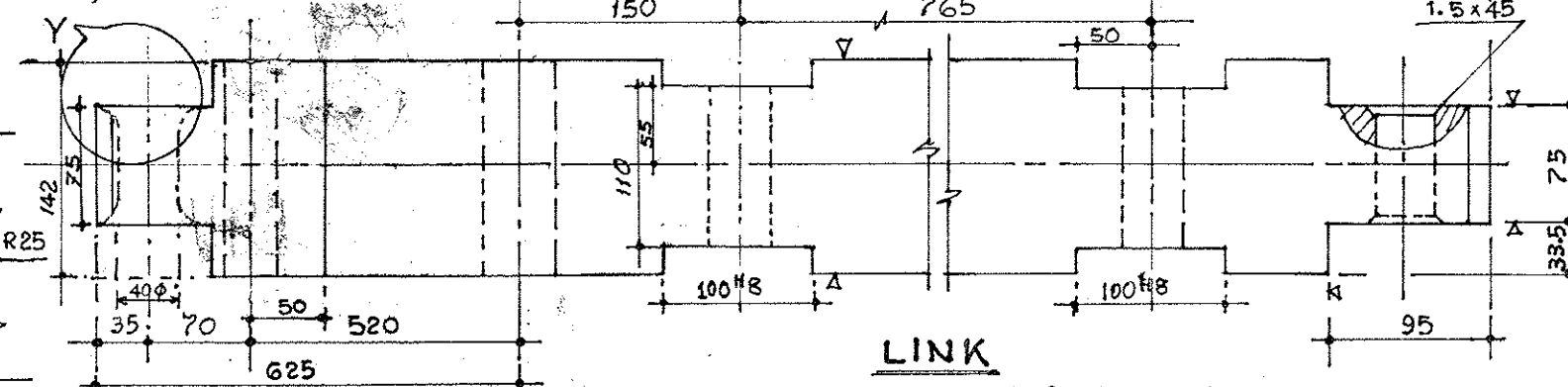
ALL LINKSHARDNESS: 240 TO 270 BHN.

ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE STATED.

CALCUTTA PORT TRUST HALDIA DOCK COMPLEX M(P&E)'S DRG. OFFICE		NAME	DT.
SCALE 1:5		DGN.	—
WT. IN KG.		DRN.	—
LINKS.		TCD	—
FOR CHARGING BEETLE		CKD.	—
MATL. - STEEL 50cr4, 15:1570 P4		APVD.	—
—88		DRG. NO.	210-085/106

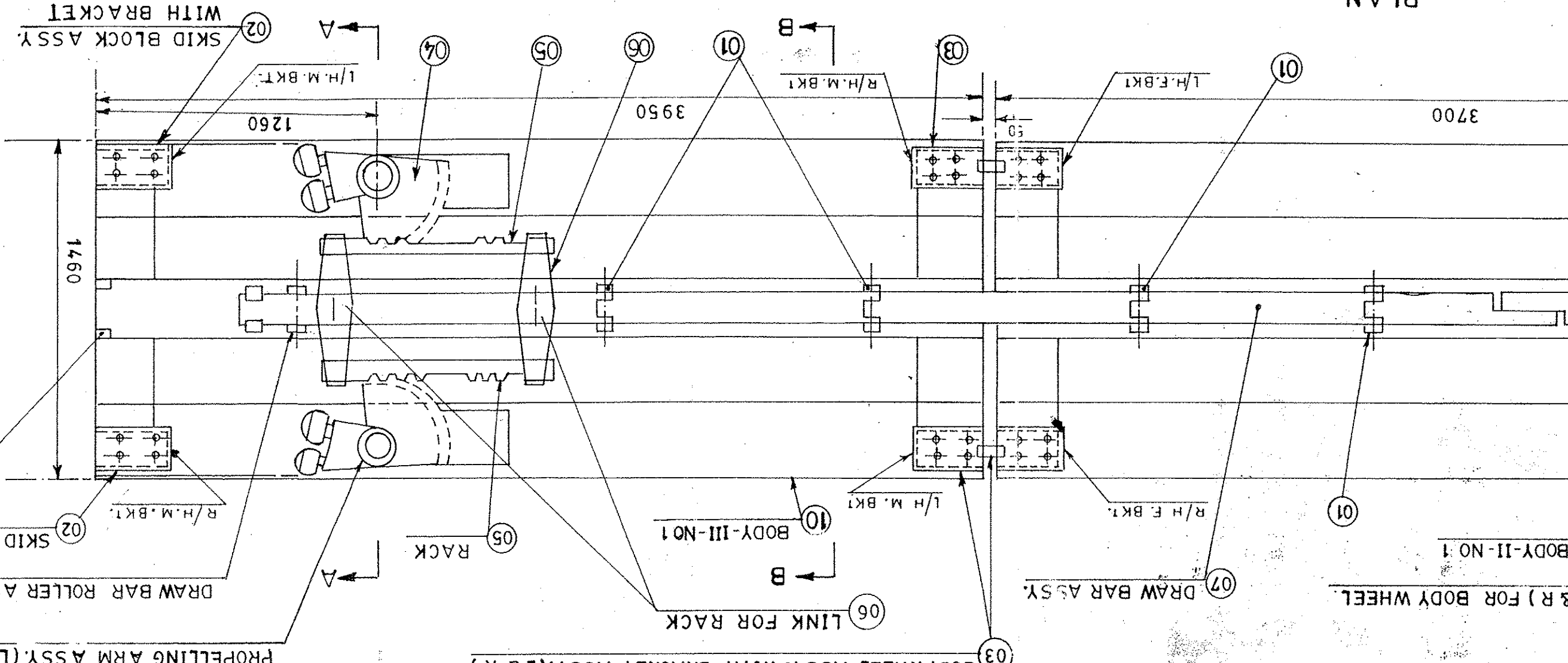


ENLARGE VIEW-Y



LINK
WT. IN KG. = 138.09 (approx.)
DRG. NO. 210-085/1A

FOR TENDER PURPOSE ONLY



DRG. NO. 270-114	SCALE
CHARGING & MARSHALLING BEETLE	APPROVED
GENERAL ARRANGEMENT OF	CHECKED
MCP & E'S DRG. OFFICE	TCO
HALDIA DOCK COMPLEX	DRN
KOLKATA PORT TRUST	DRN
NAME DT	NAME DT

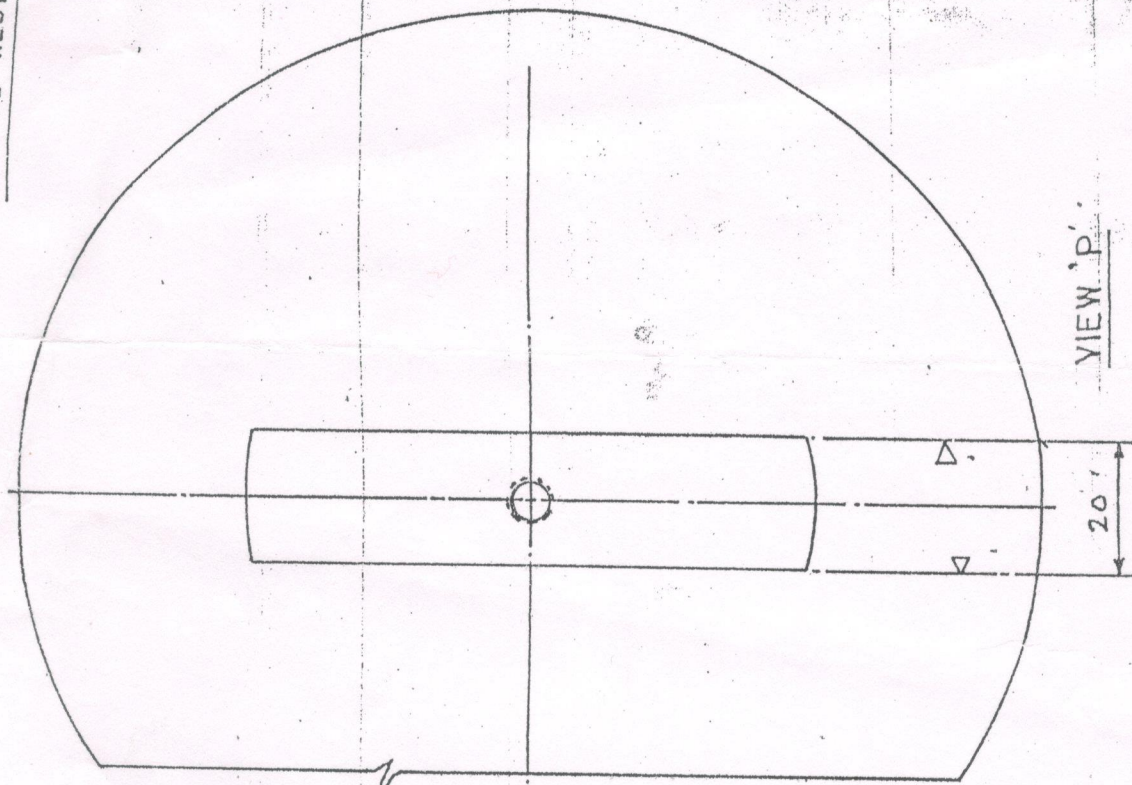
NOTE

1	L/H.M. BKT.—LEFT HAND MALE BRACKET.
2	R/H.M. BKT.—RIGHT HAND MALE BRACKET.
3	L/H.F. BKT.—LEFT HAND FEMALE BRACKET.
4	R/H.F. BKT.—RIGHT HAND FEMALE BRACKET.
5	BODY III OF CHARGING BEETLE & MARSHALLING BEETLE ARE IDENTICAL.
6	EXCEPT DRAW BAR ASSEMBLY.
7	BACK STOPPER TO BE GIVEN ONLY IN MARSHALLING BEETLE BODY & NOT IN CHARGING BEETLE BODY.

FCF - BOSTON - FURTHER SE CONCL

210.117R1

THE REST.



VIEWPOINT

20

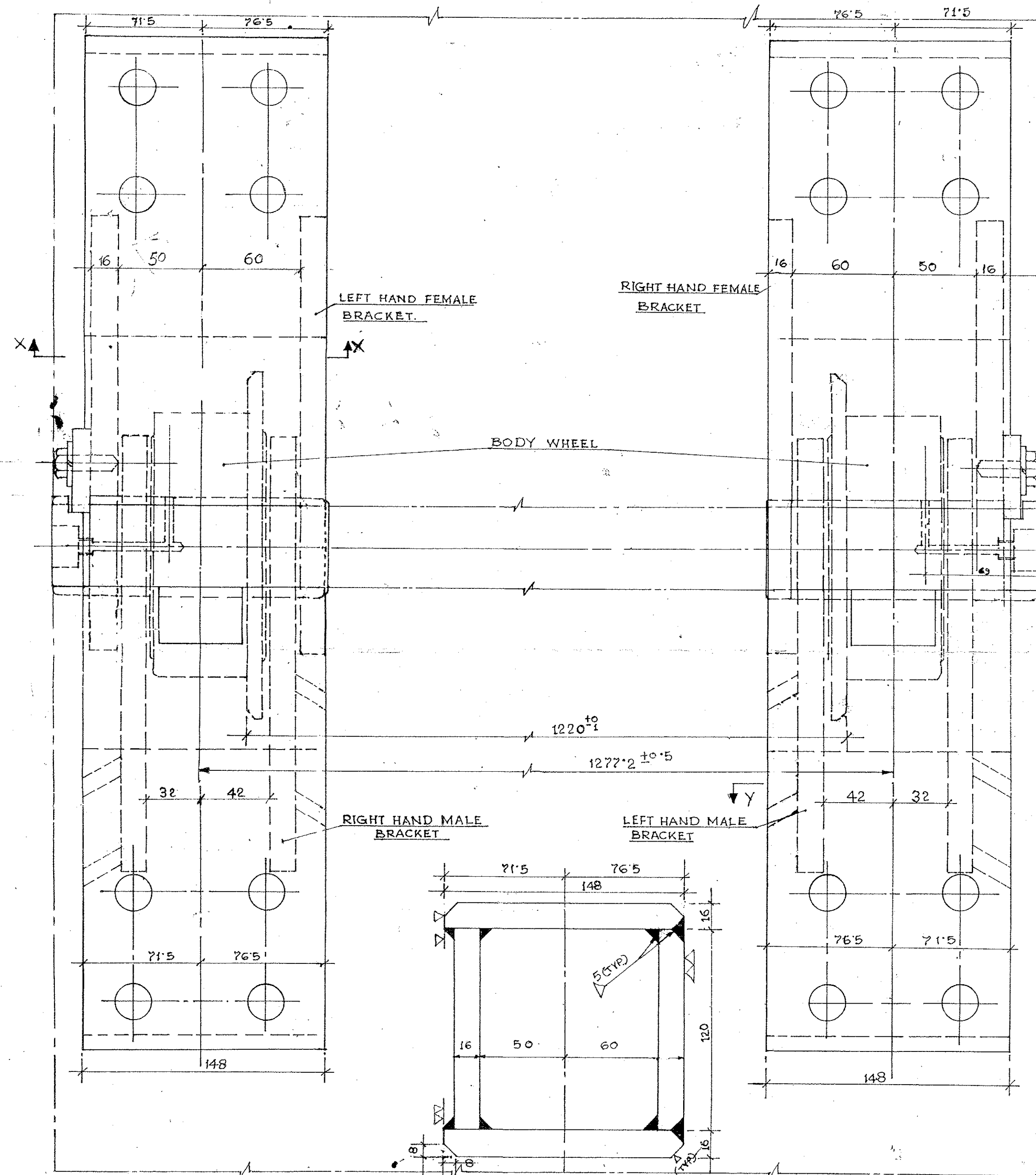
KOLKATA. PORT TRUST
HALDIA DOCK COMPLEX
M(P&E)'S DRG. OFFICE

SCALE: 1:1	HT. IN KG 53 (approx)	ROLLER CAP	MATL: CAST STEEL	15:10
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NOTES

1. SHARP EDGES TO BE ROUNDED OFF.
2. HARDNESS - 250 B.H.N (MIN.)

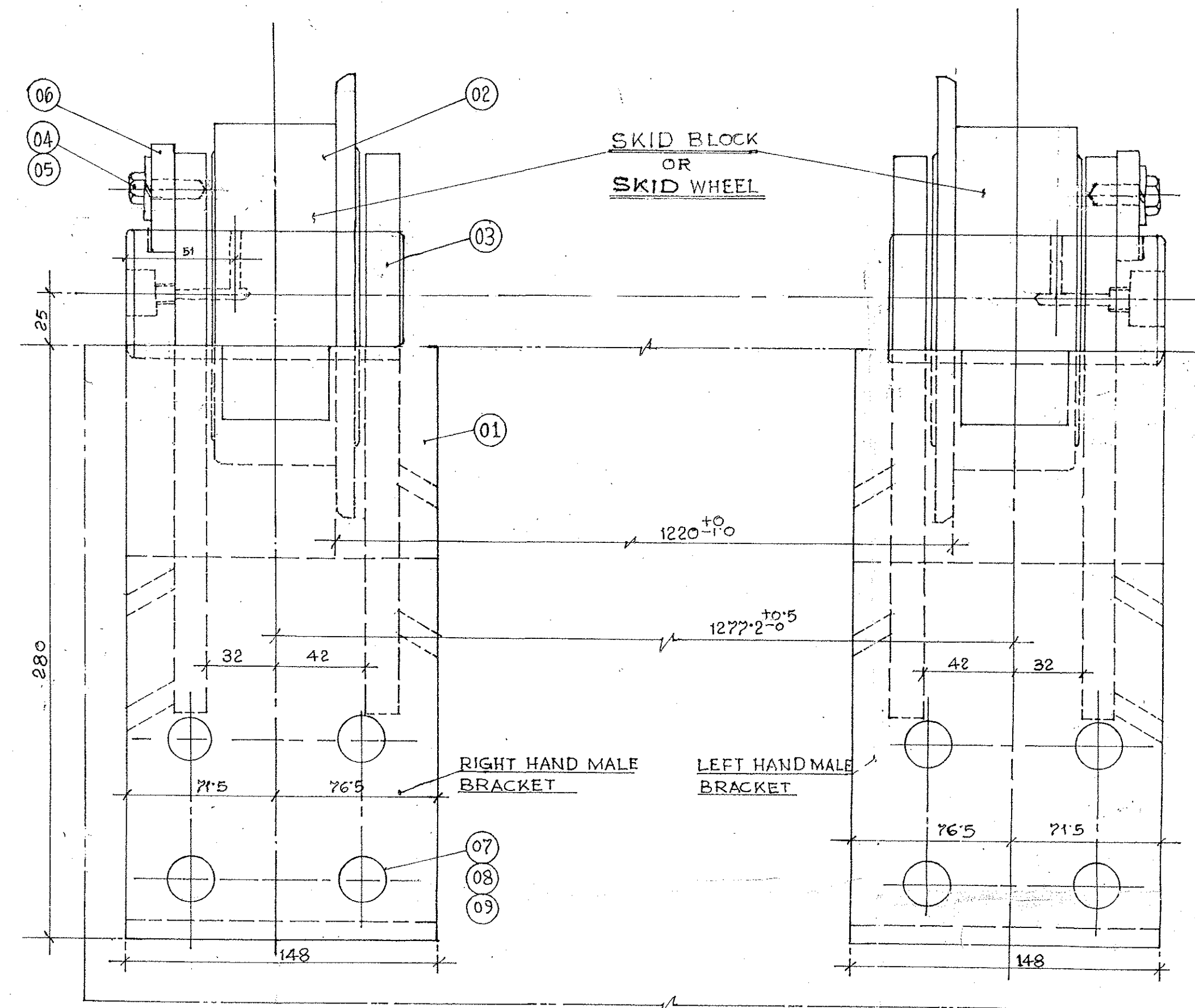
REV	DESCRIPTION	CKD	DT	APVD	DT
1	DRG. GENERALLY REMISED	✓	5/16/88	5/16/88	13/88



ARRANGEMENT OF BODY WHEEL AND BRACKETS OF CHARGER BEETLE

NOTE

1. B.O.Q FOR BODY WHEEL AND BRACKET OF
CHARGER BEETLE HAS BEEN SHOWN IN
DRG. NO. 210.012 R.

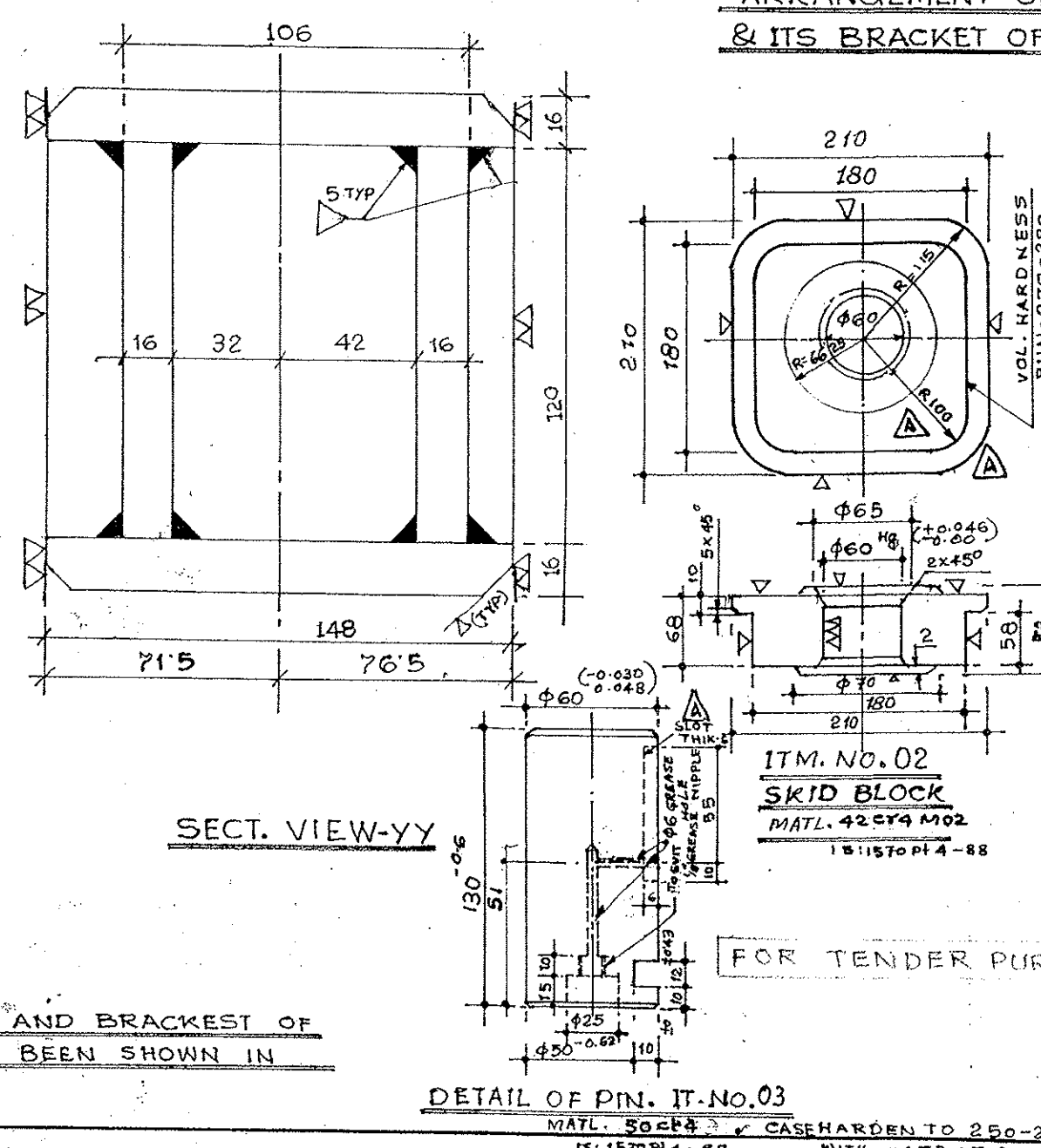


ARRANGEMENT OF SKID BLOCK/SKID WHEEL & ITS BRACKET OF CHARGING & MARSHAL BEETLE.

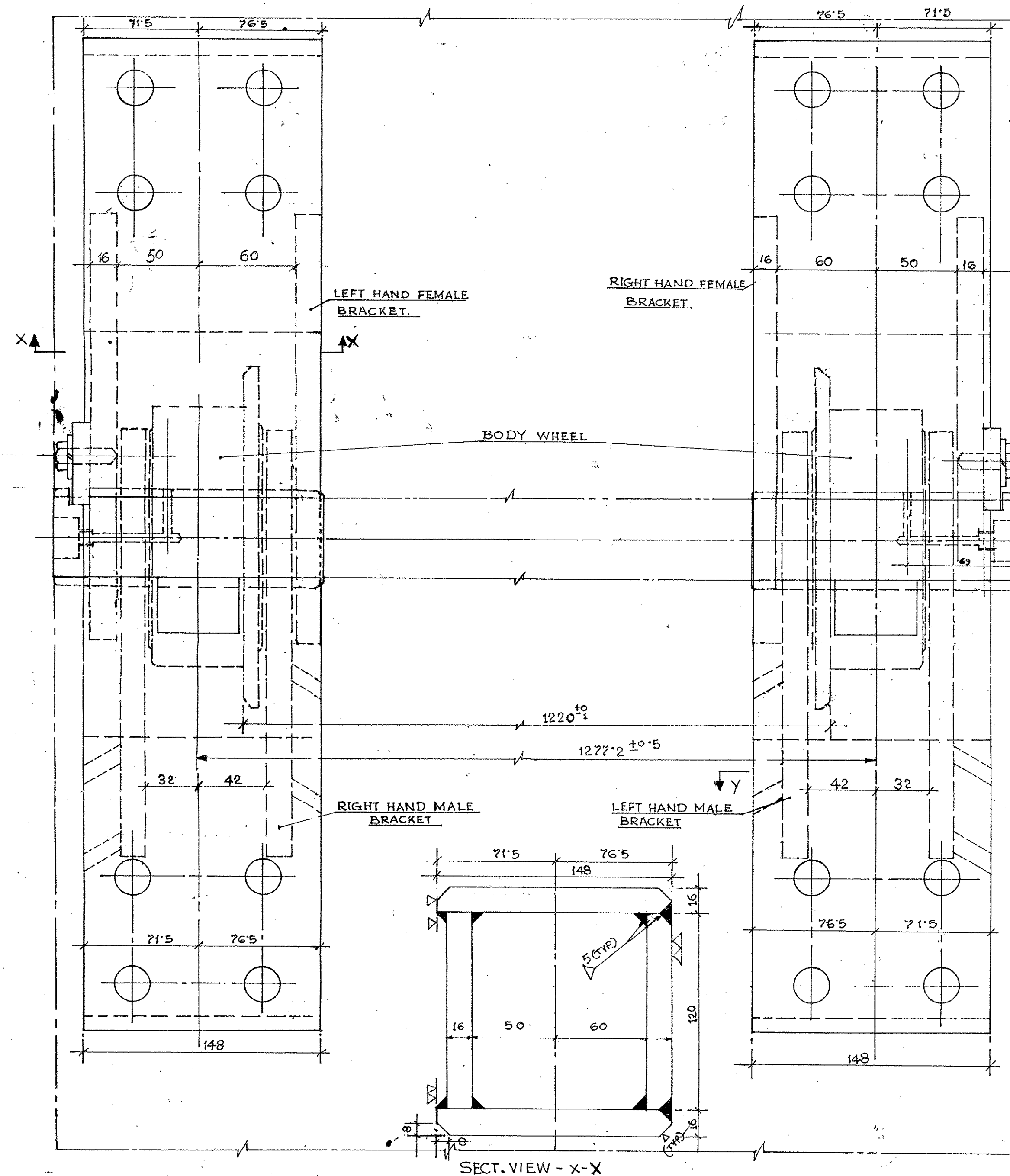
BOQ FOR SKID BLOCK/SKID WHEEL ASSLY.

DRAWING GENERALLY REVISED							06	08	09	10	11	12
REV NO	DESCRIPTION	MKD	CKD	DATE	APPD	DATE						
	08 NUT - $\phi 20$	4					GROSS WGT. OF SKID BLOCK WITH BRACKET = 37.498 kg. (approx.)					
210.012R _B	07 CH HEAD BOLT $\phi 20 \times 185 L$	4										
210.012R _B	06 LOCK PLATE $75 \times 50 \times 10$	1		23								
	05 SPRING WASHER M10	2										
	04 HEX HEAD BOLT M10 $\times 55 L$ - Gt. 4-6	2										
210.123R ₁	03 PIN	1		2.84			GROSS WGT. OF SKID WHEEL WITH BRACKET = 30.258 kg. (approx.)					
210.124R ₁ 210.032R _B	02 SKID BLOCK SKID WHEEL	1 1	16.74 9.50									
210.012R _B	01 BRACKET MALE R/L - 1/2 L/H	1	-	17.628								
DRG. NO.	ITEM NO.	DESCRIPTION	QTY	UNIT	WGT. IN KGS.	TOTAL	SKID BLOCK	SKID WHEEL				

	DT	TOTAL WT IN KG	APPROX
NAME	DT		
PEN.	-		
DWN.	(Signature)		
CARD.	9FNC (initials) 01/		
APVD.	(Signature) 1.3.06		
SCALE			
DRG. NO. 210.121R _i			



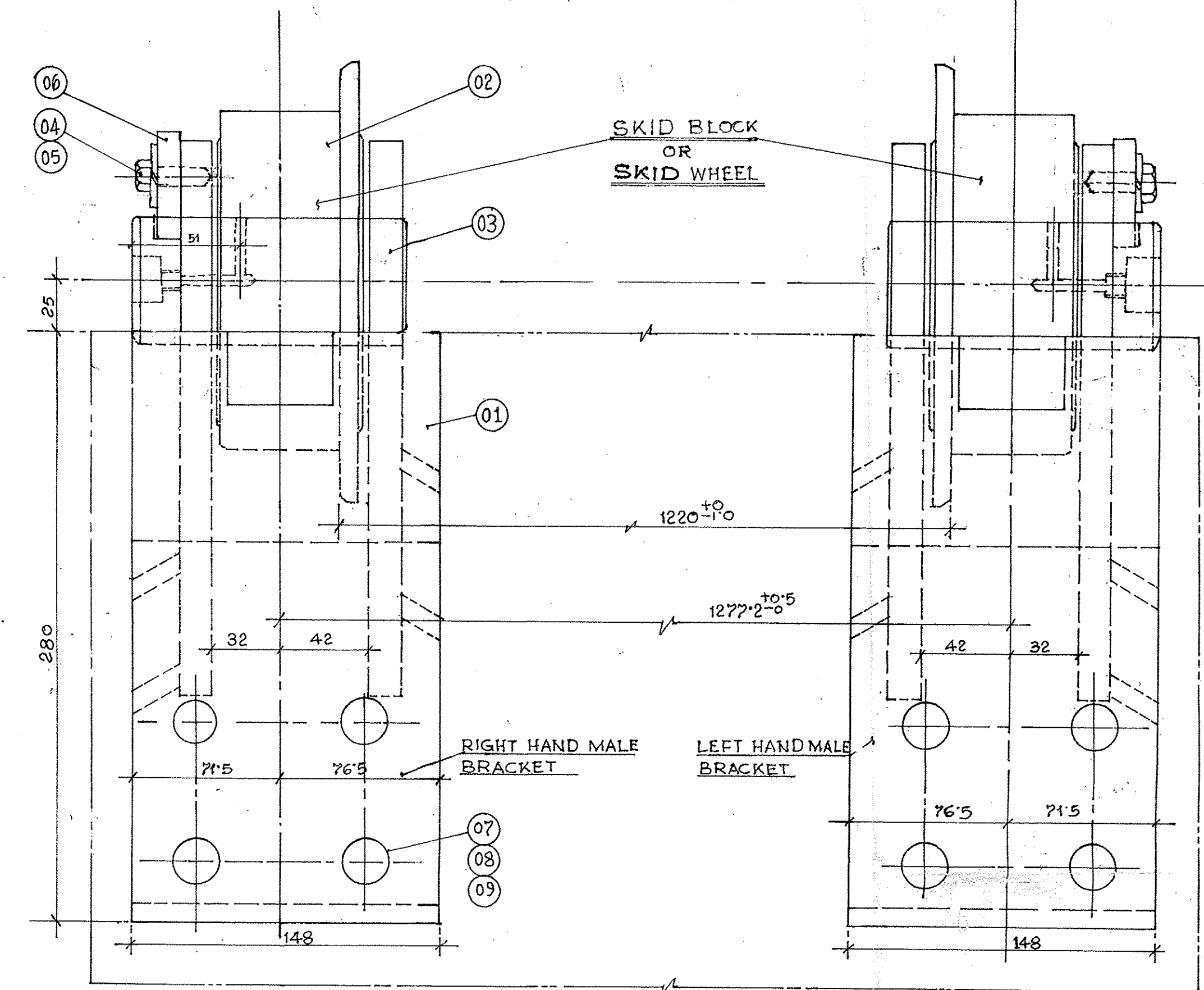
ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE STATED.



ARRANGEMENT OF BODY WHEEL AND BRACKETS
OF CHARGER BEETLE

NOTE

1. BOQ FOR BODY WHEEL AND BRACKETS OF CHARGER BEETLE HAS BEEN SHOWN IN DRG. NO. 210.012 R.



ARRANGEMENT OF SKID BLOCK/SKID WHEEL
& ITS BRACKET OF CHARGING & MARSHAL BEETLE

BOQ FOR SKID BLOCK/SKID WHEEL ASSEMBLY.

REV	DESCRIPTION	QTY	UNIT	CKD	DATE	APPD	DATE
01	DRAWING GENERALLY REVISED						
02	NUT - $\phi 20$	4					
03	CH. HEAD BOLT $\phi 20 \times 150$	4					
04	LOCK PLATE $75 \times 50 \times 10$	1					
05	SPRING WASHER M10	2					
06	HEX HEAD BOLT M10 $\times 25$ L. 6	2					
07	PIN	1					
08	SKID BLOCK	1					
09	SKID WHEEL	1					
01	BRACKET MALE R/H OR L/H	1					

DRG. NO. ITM. NO. DESCRIPTION QTY UNIT WT. IN KG. TOTAL WT. IN KG.

SKID BLOCK: GROSS WT. OF SKID BLOCK WITH BRACKET = 97.498 kg. (approx.)

SKID WHEEL: GROSS WT. OF SKID WHEEL WITH BRACKET = 30.258 kg. (approx.)

KOLKATA PORT TRUST
HALDIA DOCK COMPLEX
M/P & Y'S DRG. OFFICE

ARRANGEMENT OF SKID BLOCK/
SKID WHEEL/BODY WHEEL &
ITS BRACKET OF CHARGER
AND MARSHAL BEETLE.

DRG. NO. 210.121 R

DETAIL OF PIN. IT-NO.03

MATL. 50C4 CASE HARDEN TO 280-270 BHN
15:150PH4-88 WITH CASE DEPTH 2MM.