

ODISHA CONSTRUCTION CORPORATION LIMITED
(A GOVT. OF ODISHA UNDERTAKING)
CENTRAL WORKSHOP, RASULGARH,
BHUBANESWAR-751010 (ODISHA)

* * * * *

TENDER DOCUMENT FOR

“Supply of Casting items for 18 T Rope drum hoist to operate depletion sluice Service gate of Lower Suktel Irrigation Project”

The tender document comprises of the following:

1)	Tender call notice No. OCC/CWS/PROC/ LSIP / 54 /2025-26 dated. 10.10.2025	01 (One) sheet
2)	Terms and conditions	04 (Four) sheets
3)	Drawings	08 (Eight) sheets
4)	Price schedule	01 (One) sheets

Total :		14 (Fourteen) sheets

**Signature of the tenderer or his/their
power of attorney holder
with designation & seal.**

**Senior Manager (Mech.)-I
OCC Ltd, Central Workshop,
Rasulgarh, Bhubaneswar-751010**

ODISHA CONSTRUCTION CORPORATION LIMITED
(A GOVT. OF ODISHA UNDERTAKING)
CENTRAL WORKSHOP, RASULGARH,
BHUBANESWAR-751010 (ODISHA)

TENDER CALL NOTICE No. OCC/CWS/PROC/ LSIP-18 / 54 /2025-26 dated 10.10.2025

Sealed tenders in conformity with the terms, conditions, drawing and technical specifications in tender documents are invited from reputed manufacturers / authorized dealers for **“Supply of Casting items for 18T Rope drum hoist to operate depletion sluice Service gate of Lower Suktel Irrigation Project ”** as per details below:

Cost of tender document (Non-refundable)	Sale of tender document		Earnest money deposit (EMD) required	Receipt of tender	Opening of Technical & price bid of tender
Rs. 2000/- GST @ 18% Rs.2360/- by hand & Rs.2460/- by Regd. Post/ courier	From 10.10.2025	To 18.10.2025 up to 1.00 PM	1(One)% of the total quoted value including GST	Up to 3.30 P.M. on 18.10.2025	At 4.00 PM on 18.10.2025

The tender document can be purchased by the interested reputed manufacturers / authorized dealers by hand from the office of the undersigned on deposit of cost of tender document i.e. **Rs.2000/-** plus GST @ 18% amounting to **Rs.2360/-** in cash or in shape of A/c. payee demand draft drawn in favour of **“Odisha Construction Corporation Limited” - Project Account** on any Nationalised Bank/ Scheduled Bank payable at Bhubaneswar (Non-refundable) and production of attested copies of the following documents and verification thereof by the undersigned. The tender document can also be obtained by the interested reputed manufacturers or their authorized dealers / traders by speed post on sending the cost of tender document i.e. **Rs.2000/-** plus GST @ 18% and postage charges of **Rs.100/-** amounting to **Rs.2460/-** in shape of A/c. payee demand draft drawn as stated above and attested copies of the following documents and verification thereof by the undersigned. The tender document should be submitted only through Speed post /Email (**smcwsoccltender@gmail.com**) within stipulated date and time . The undersigned will not be responsible for any kind of delay by the postal authorities and technical issue.

- 5) Valid GST Registration Certificate.
- 6) PAN Card
- 7) The bidders have to submit copies of purchase orders, credentials, certificates etc. in support of supply of similar items of similar magnitude in last 5 financial years (i.e. from financial year 2020-21 to 2024-25 including current financial year 2025-26) to Government organisation and satisfactory performance thereof.
- 8) Tenderer should submit valid manufacturer / trader registration certificate.

The tender document can also be downloaded from our Website www.odishaconstruction.com or Govt. of Odisha website www.odishagov.nic.in to submit the tender (**Bidders are requested to visit our website regularly for any changes since it will not be published in news paper again**). However, the cost of tender document i.e **Rs.2000/-** plus GST @ 18% amounting to **Rs.2360/-** in shape of A/c payee demand draft as stated above in favour of **“Odisha Construction Corporation Limited” - Project Account** on any Nationalised Bank/ Scheduled Bank payable at Bhubaneswar (Non-refundable) along with attested photo copies of all above documents should be submitted while submitting the tender in Envelope-I. Otherwise, the offer shall not be considered and OCCL will not be responsible for missing of any page while downloading. If there will be a public holiday on the last date of sale of tender document and receipt & opening of the tender as specified above, the tender document will be sold and tender will be received & opened on the next working day at the same time and venue.

The SSI/NSIC/MSME units participating in tender are not entitled for exemption from payment of EMD/ Security Deposits/ Tender Paper costs as communicated vide DOWR Letter No. IIM-24/2018-14318/WR dated 24.05.2018 & Head Office, OCCL Letter No.5502/OCC/ CW-02/09(Vol-V)(WE) dated 30.05.2018.

The tenders will be opened in the presence of the tenderers or their authorised representatives. Tender through Fax/Telex/telegram will not be accepted

The undersigned reserves the right to accept or reject any or all quotations without assigning any reason thereof.

**Signature of the tenderer or his/their
power of attorney holder
with designation & seal.**

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OCC Ltd, Central Workshop,
Rasulgarh, Bhubaneswar-751010**

ODISHA CONSTRUCTION CORPORATION LIMITED

(A GOVT. OF ODISHA UNDERTAKING)

**CENTRAL WORKSHOP, RASULGARH,
BHUBANESWAR-751010 (ODISHA)**

TERMS AND CONDITIONS OF TENDER FOR

“ Supply of Casting items for 18T Rope drum hoist to operate depletion sluice Service gate of Lower Suktel Irrigation Project”

- 1) Reputed manufacturers / authorized dealers having supplied similar item of similar magnitude earlier and satisfactorily accepted by the clients will be eligible to participate in the tender. The copies of purchase orders, credentials, certificates etc. in support of similar supply and satisfactory performance thereof will be furnished along with the tender.
- 2) Tender should be submitted in two bid system in two separate sealed covers and both will be submitted in a single sealed outer cover subscribing in bold letters as “ **Supply of Casting items for 18 T Rope drum hoist to operate depletion sluice Service gate of Lower Suktel Irrigation Project** ” and also date of opening of tender. The name and address of the tenderer should not be written on outer cover. Only the name and address of the purchaser should be written on the outer cover.
- 3) The tenderer should submit Earnest Money Deposit (EMD) @ 1(One)% of the total quoted value along with the tender in shape of N.S.C. / Postal office TDR / Bank Time Deposit Account / Kisan Vikas Patra / Bank Guarantee / Demand draft in favour of Odisha Construction Corporation limited, Bhubaneswar from any Nationalized Scheduled Bank in India counter guaranteed by its local branch at Bhubaneswar / e-Bank Guarantee executed on the National e-Governance Service Limited (NeSL) Digital Document Execution Portal/ FD / TDR pledged in favour of the undersigned. The tenders received without EMD will be out rightly rejected. EMD of the unsuccessful tenderers will be released only after finalization of the tender.
- 4)
 - i) The first envelope super scribing in bold letters as “**TECHNICAL BID**” should contain the following:
 - a. Attested copy of valid GST registration certificates. The tenderer will mention his GST Regn. No. in his tender clearly without which the tender will not be taken into consideration.
 - b. EMD of 1% as per clause- 3 above
 - c. Attested copy of PAN Card.
 - d. The bidders have to submit copies of purchase orders, credentials, certificates etc. in support of supply of similar items of similar magnitude in any one year of last 5 financial years (i.e. from financial year 2020-21 to 2024-25 including current financial year 2025-26).
 - e. Complete tender document in original including terms and conditions but without detailed specifications and price schedule duly signed on each page by the tenderer or his/their power of attorney holder. In case of power of attorney holder, an attested copy of power of attorney should be furnished.
 - ii) Second envelope subscribing in bold letters “**SPECIFICATION AND PRICE SCHEDULE**” should contain detailed specifications and price schedule in original only duly filled in without leaving any column and line blank and signed on each page by the tenderer or his/their power of attorney holder.
- 5) The tender document should be submitted only through Speed post,email (**smcwsoccltender@gmail.com**) and Registered Post within stipulated date and time . No other mode will be accepted other than Registered Post / Speed Post/email (**smcwsoccltender@gmail.com**) to receive the tender document by this office. The undersigned will not be responsible for any kind of delay by the postal authorities and technical issue.
 - i) The bid documents (technical bid & price bid) submitted through e-mail by the bidders must be password protected & the password is to be set by the bidder himself.
 - ii) The bidder documents (technical bid & price bid) will be opened in presence of the interested bidders on the scheduled date and time as mentioned in the tender.The password is to be revealed or intimated by the quotationer or bidder at the time of opening of price bid documents.
 - iii) The bids received through e-mail without password will be outrightly rejected.

Signature of the Tenderer agency or
His/their Power of attorney holder
with designation & seal.

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Senior Manager (Mech.)-I
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Rasulgarh, Bhubaneswar-10.

6. The tenderer who will participate through email (smcwsoccltender@gmail.com), must upload all the self attested technical bid documents in one Enclosure-1 and Price schedule in another Enclosure-2. The tender (participated through e-mail) will scan the tender & EMD cost document / relevant financial documents and upload the same along with tender document in Enclosure-1. Subject of the Email should be **"Tender for Supply of Casting items for 18T Rope drum hoist to operate depletion sluice Service gate of Lower Suktel Irrigation Project"**. Original copy of tender and EMD cost must submitted to the undersigned within 05(five) days of opening of tender, otherwise bid shall be rejected and the bidder will be debarred from participation in any future tender
- 7) The tender document can be purchased by the interested reputed manufacturers / traders by hand from the office of the undersigned from **10.10.2025 to 18.10.2025** (up to 1.00 P.M) during office hours on deposit of cost of tender document i.e. **Rs.2000/-** plus GST @ 18% amounting to **Rs.2360/-** in cash or in shape of A/c. payee demand draft drawn in favour of **"Odisha Construction Corporation Limited" – Project Account** on any Nationalized Bank / Scheduled Bank payable at Bhubaneswar (non-refundable) and production of attested copies of the following documents and verification thereof by the undersigned. The tender document can also be obtained by the interested reputed manufacturers / traders by registered post/speed post/courier on sending the cost of tender document i.e. **Rs.2000/-** plus GST @ 18% and postage charges of **Rs.100/-** amounting to **Rs.2460/-** in shape of A/C. payee demand draft drawn in favour of **"Odisha Construction Corporation Limited" - Project Account** on any Nationalized Bank / Scheduled Bank payable at Bhubaneswar (non-refundable) and sending attested copies of the following documents and verification thereof by the undersigned.
 - a. Valid GST Registration Certificate.
 - b. PAN Card
 - c. The bidders have to submit copies of purchase orders, credentials, certificates etc. in support of supply of similar items of magnitude minimum amounting to 5.00 lakh in last 5 financial years (i.e. from financial year 2020-21 to 2024-25 including current financial year 2025-26) to Government organisation and satisfactory performance thereof.
 - d. Tenderer should submit valid manufacturer / trader registration certificate
- 8) The tender document can also be downloaded from our Website www.odishaconstruction.com or Govt. of Odisha website www.odishagov.nic.in to submit the tender (**Bidders are requested to visit our website regularly for any changes since it will not be published in news paper again**). However, the cost of tender document i.e. **Rs.2000/-** plus GST @ 18% amounting to **Rs.2360/-** in shape of A/C. payee demand draft, as stated above in favour of **"Odisha Construction Corporation Limited" - Project Account** on any Nationalized Bank/ Scheduled Bank payable at Bhubaneswar (non-refundable) along with attested photo copies of all above documents should be submitted, while submitting tender in Envelope-I, otherwise, the tender will be cancelled. OCCL will not be responsible for missing of any page while downloading.
- 9) The tenders will be received up to **3.30 PM** on **18.10.2025** and same will be opened in the office of the undersigned on the same day at **4.00 PM** in presence of the tenderers or their authorized representatives, if they so desire. If there will be a public holiday on the last date of sale of tender document and receipt & opening of the tenders as specified above, the tender document will be sold and tenders will be received & opened on the next working day at the same time and venue.
- 10) The undersigned will not be responsible for any kind of delay in receipt of tenders by the postal/courier authorities.
- 11) The **PRICE SCHEDULE BID & TECHNICAL BID** will be opened on **18.10.2025 at 4.00 PM**. Then the documents in the first envelope submitted by the tenderers will be scrutinized preliminarily on the spot. The second envelope of the valid eligible tenders after preliminary scrutiny of the documents in the first envelope will be opened on the same day immediately subject to fulfilling the requirements mentioned in the tender schedule.

Signature of the Tenderer agency or
His/their Power of attorney holder
with designation & seal.

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Senior Manager (Mech.)-I
OCC Ltd, Central Workshop,
Rasulgarh, Bhubaneswar-10.

- 12) The materials should be supplied in finished / fully machined conditions by successful tenderer / supplier as per required dia, length and quantity and should strictly conform to relevant standards of Bureau of Indian Standard (BIS) as mentioned in detailed specification and price schedule.
- 13) The original test certificate of materials from a Govt./Govt. approved testing laboratory will be provided by the successful tenderer/ supplier along with supply of materials. The manufacturer's test certificate will have to be also furnished by the successful tenderer/ supplier. The purchaser is having the option to test the materials in any laboratory at the cost of the supplier and if the materials are not found in accordance with the specifications and grade in relevant Indian Standards, the materials will be rejected.
- 14) The materials will be guaranteed by the supplier against any defect for a period of 18 months from the date of supply or 12 months from the date of use, whichever is earlier. Guarantee certificate in this regard will accompany with supply of materials. If any defect is found in the materials within the guarantee period, the same will have to be replaced free of cost by the supplier.
- 15) The rate of materials should be quoted by the tenderer on unit basis only. The same should be supplied by the successful supplier as per required dia, length and quantity in numbers as mentioned in detail specification and Price Schedule.
- 16) The tenderer will quote their rates F.O.R. OCCL Store, Central Workshop, Rasulgarh, Bhubaneswar-10 (Odisha) indicating separately the basic price, packing, forwarding, transportation, transit insurance, handling charges, taxes, duties, levies etc. strictly in the specifications and price schedule format in original. All columns and lines of the specification and price schedule should be filled in properly without leaving any thing blank. The details and rates of duties, taxes etc. should be indicated clearly in the specification and price schedule.
- 17) The tenderer should quote appropriate taxes with the offer.
- 18) Pre-delivery inspection (P.D.I) before despatch of the materials will be made at the manufacturer's works by the authorized representative of the purchaser / client / third party for which the manufacturer should intimate in writing for P.D.I. 10 days in advance regarding readiness for P.D.I.
- 19) The rates and amounts should be quoted both in figures and words in the price schedule. Any correction or overwriting in the specification and price schedule should be duly certified by the tenderer or his power of attorney holder. In case of any mismatch in figures and words, the rates in words will be considered. In case of any mismatch in rates and amount, the rate will be considered.
- 20) 90% payment will be made within 30 days of receipt, verification and acceptance of the complete materials along with bill, test certificate, guarantee certificate and other documents. Balance 10% will be released after 18 months of supply or 12 months from the date of commissioning whichever is earlier. However if a performance bank guarantee is received for 10% of the value of materials, the same will be released within 60 days from the date of receipt of materials.
- 21) The purchaser reserves the right to forfeit and encash the performance bank guarantee / EMD in full in case any casting is found defective and not replaced by the tenderer/supplier within a suitable time fixed by the corporation. Any repair to the casting shall be made only after approval of the purchaser. In this connection, the decision of the purchaser is final and binding on the tenderer/supplier.
- 22) Price escalation will not be allowed under any circumstances. The quoted rates will remain firm till execution of the work order.

**Signature of the Tenderer agency or
His/their Power of attorney holder
with designation & seal.**

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**Senior Manager (Mech.)-I
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Rasulgarh, Bhubaneswar-10.**

- 23) The validity of the offer should be for a period of 120 (One hundred twenty) days from the date of opening of the tender.
- 24) The complete ordered quantity shall be supplied by the successful tenderer within 90 (Ninety) days from the date of issue of purchase order failing which the order is liable for cancellation without assigning any reason thereof by the purchaser. In case of cancellation of the order the EMD will be forfeited. In case of any delay in supply of material beyond the delivery schedule whatever may the reason, supplier shall be liable to pay L.D. @ 0.5% (Half percent) of the total order value per week of delay or part thereof subject to a maximum of 5% (Five percent) of the total order value.
- 25) After submission of tender and before placing order, the bidder may be asked by the undersigned to attend techno-commercial discussions and reply to queries within a specified period. If the bidder fail to do so, the tender submitted by the bidder is liable to be cancelled.
- 26) Conditional offers with deviations will not be accepted. Those, who do not agree to the terms and conditions regarding payments, delivery and others, need not quote.
- 27) The authority reserves the right to accept/reject any or all tenders without assigning any reason thereof. The required quantity of materials can be splitted among the two or more tenderers. In this connection, the decision of purchaser is final and binding on the tenderer.
- 28) The duplicate copy of the order shall be signed by the supplier on each page with his seal as acceptance of the order and shall be returned to the purchaser within 07 (Seven) days of receipt of this order failing which the order is liable for cancellation.
- 29) Any dispute arising out of this tender or order thereof is to be settled in proper court under the jurisdiction of Odisha High Court at Cuttack or courts under the jurisdiction of Odisha High Court at Bhubaneswar only.

**Signature of the tenderer or his/their
power of attorney holder
with designation & seal.**

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OCC Ltd, Central Workshop,
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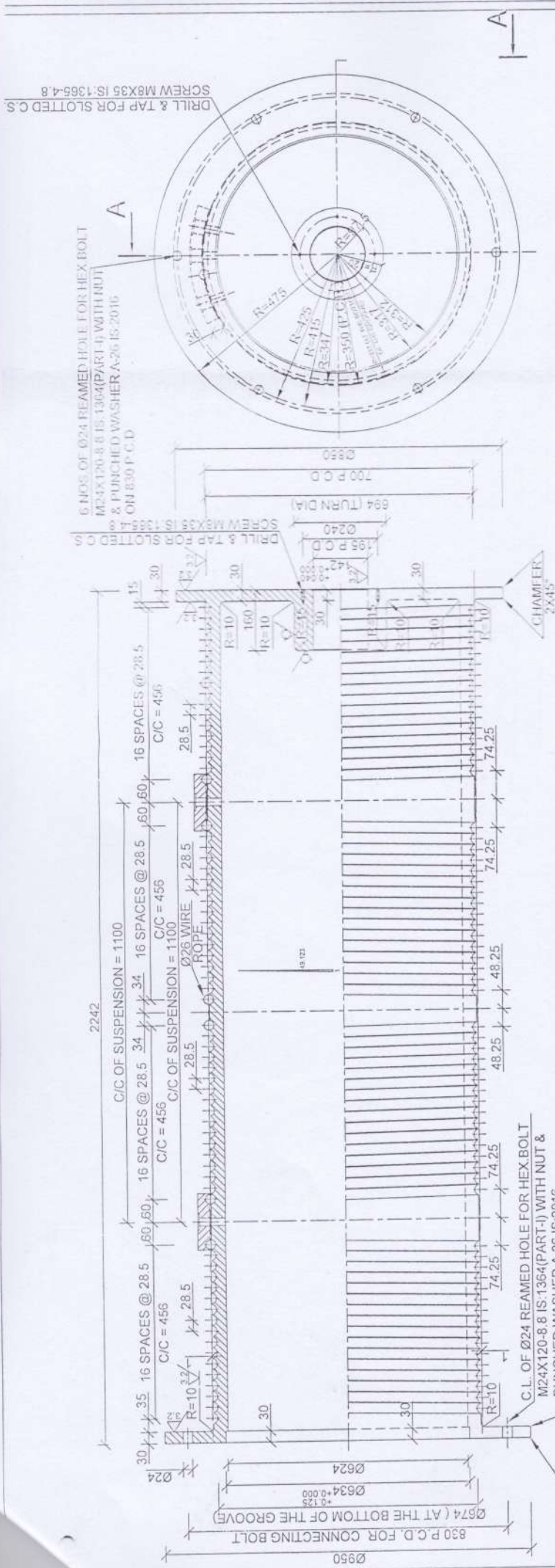
ODISHA CONSTRUCTION CORPORATION LIMITED
(A GOVT. OF ODISHA UNDERTAKING)
CENTRAL WORKSHOP, RASULGARH,
BHUBANESWAR-751010 (ODISHA).

DETAILED SPECIFICATION AND PRICE SCHEDULE FOR										
“ Supply of Casting items for 18T Rope drum hoist to operate depletion sluice Service gate of Lower Suktel Irrigation Project”										
VIDE TCN No.OCC/CWS/PROC/ LSIP - 18 / 54 /2025-26 DATED 10.10.2025 DUE DATE OF OPENING ON DATED 18.10.2025										

Sl. No.	Part No.	Description of Item	Unit	Qty. Reqd. in unit	Rate per unit in Rs.				Total amount in Rs. for full materials	
					Basic Price per unit	GST as applicable	Total in figures	Total in words	In figure	In words
1	2-1	Wire Rope Drum-finished machined condition as per drawing , Material - Cast Steel Gr. 340-570 W of IS : 1030 (Annexure-I)	Nos.	2						
2	2-2	Rope clamp finished machined condition as per drawing, Material - Cast steel Gr. 340-570W of IS : 1030 (Annexure-II)	Nos.	4						
3	2-3	Bronze Bush for Rope drum finished machined condition as per drawing Material - LTB- 1 of IS : 318 (Annexure-III)	Nos.	2						
4	3-1	Drum Gear finished machined condition as per drawing, Material - Gr. 3 CS 840 IS : 2644 - 1994 (Annexure-IV)	Nos.	2						
5	3-2	Second Gear- finished machined condition as per drawing, Material - Gr. 3 CS 840 IS : 2644 -1994 (Annexure-V)	Nos.	2						
6	3-3	First Pinion - finished machined condition as per drawing, Material - Gr. 4 CS 1030 IS : 2644 - 1994 (Annexure- VI)	Nos.	2						
7	3-4	Second Pinion - finished machined condition as per drawing, Material - Gr. 4 CS 1030 IS : 2644 - 1994 (Annexure- VII)	Nos.	2						
8	3-4	Bush for Drum Gear - finished machined condition as per drawing, Material - LTB - 1 of IS : 318 - 1981 (Annexure-VIII)	Nos.	2						

Signature of the tenderer or his/their
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Rasulgarh, Bhubaneswar-751010



HALF SECTION ELEVATION - AA

D/S VIEW OF ROPE DRUM

PART NO. - 06-24-02-00-02-01
MATERIAL:- C.S. GR. 340-570W OF IS-1030
NOS. REQD. PER GATE = 01(ONE)
TOTAL NOS. REQUIRED = 02(TWO)

NOTES:-

1. ALL DIMENSIONS ARE IN mm OF THE FINISHED PART.
2. THE TOLERANCES & FINISHES SHOWN ARE FOR THE FINISHED PART ONLY.
3. REAMED HOLE FOR M24 BOLT SHALL BE MADE ALONG WITH THE MATCHING PART OF DRUM GEAR.
4. THE CASTING SHALL BE SUPPLIED IN FULLY ANNEALED CONDITION & SUITABLY HEAT TREATED SO AS TO ATTAIN THE SPECIFIED MECHANICAL PROPERTIES.
5. THE CASTING SHALL BE SOUND, CLEAN & FREE FROM DEFECT THAT MAY BE ADVERSELY AFFECT ITS UTILITY AND THE CASTING SHALL BE ULTRASONICALLY LEVEL-II QUALITY TESTED. THE CASTING SHALL BE REPLACED AS A WHOLE & SHALL NOT BE REPAIRED, WELDED OR PLUGGED, IF FOUND TO BE DEFECTIVE.
6. DRILL & TAP FOR C.S. SCREW M8 X 35 SHALL BE DONE ALONG WITH MATCHING PART OF DRUM GEAR.
7. SUITABLE MACHINING ALLOWANCE (NOT LESS THAN 5mm TOOL POINT) SHALL BE PROVIDED ON ALL SURFACES INDICATED TO BE MACHINED.
8. TOTAL NOS. OF DEPLETION SLUICE SERVICE GATE = 02(TWO)

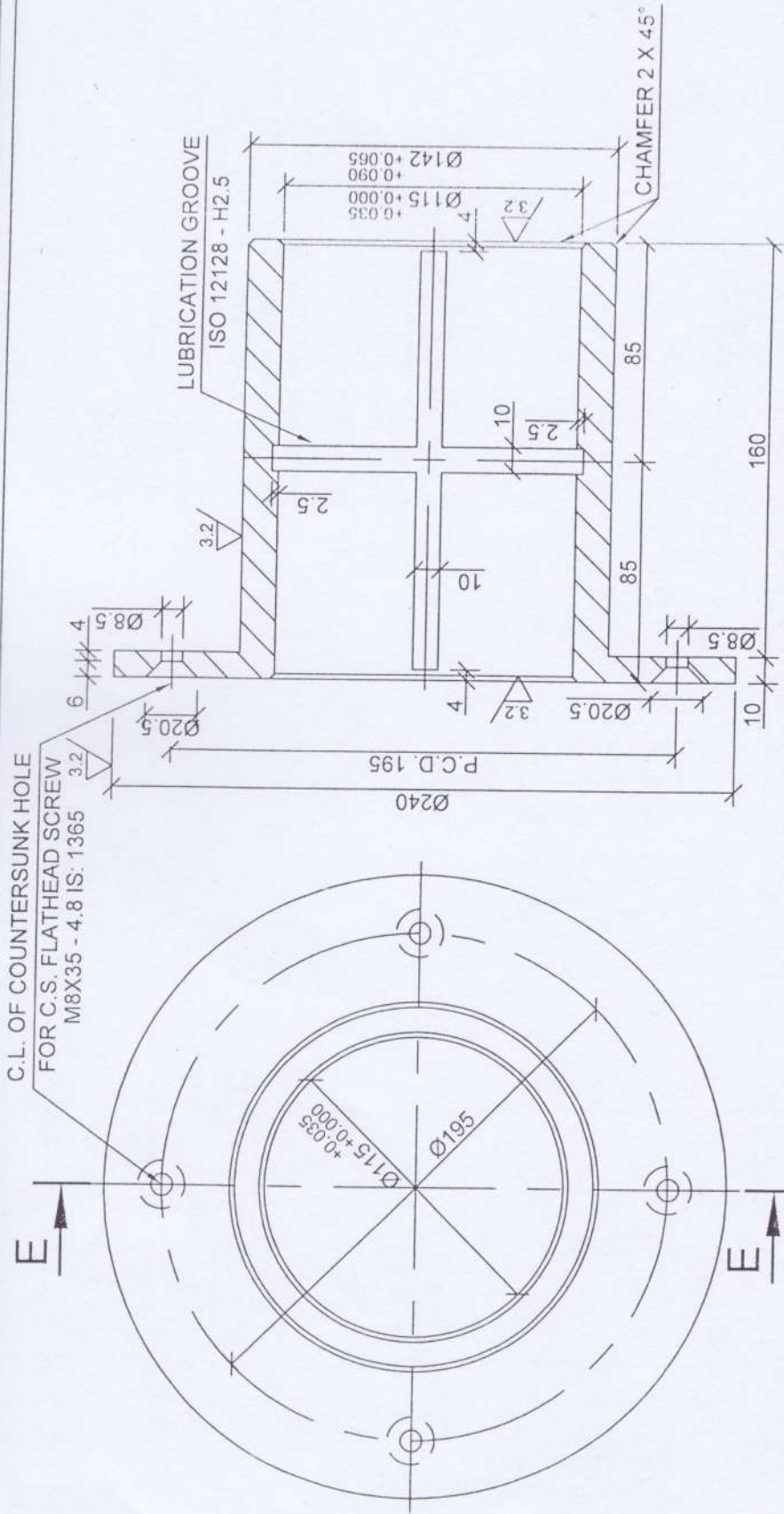
REF. DRG. NO.:-

1. 06-24-02-00-02 F.O.

LOWER SUKTEL IRRIGATION PROJECT 18T ROPE DRUM HOIST TO OPERATE 1400mm X 2130mm DEPLETION SLUICE SERVICE GATE AT BLOCK NO 5 & 6	O.C.C.LTD.	
	PREPARED	Siddhant
	DRAWN	Rajendra
	CHECKED	(Signature)
	SUBMITTED	(Signature)
ROPE DRUM		APPROVED

DWG NO - 06-24-02-01-02-01

C.L. OF COUNTERSUNK HOLE
FOR C.S. FLATHEAD SCREW
M8X35 - 4.8 IS: 1365



END VIEW

SECTION - EE

REF. DRG. NO.:-

1.06-24-02-00-03 R0

BUSH FOR DRUM GEAR

PART NO. - 06-24-02-00-03-05

MATERIAL - LTB - 1 OF IS:318 - 1981

NOS. REQD. PER GATE = 01 (ONE)

TOTAL NOS. REQD. = 02 (TWO)

NOTES:-

1. ALL DIMENSIONS ARE IN mm OF THE FINISHED PART.
2. SUITABLE MACHINING ALLOWANCES (NOT LESS THAN 5 mm ON TOOL POINT) SHALL BE PROVIDED ON ALL SURFACES INDICATED TO BE MACHINED.
3. THE FINISHES AND TOLERANCES GIVEN ARE FOR THE FINISHED PART ONLY.
4. DRILL & TAP FOR COUNTER SUNK SCREW M8 X 35 SHALL BE DONE ALONG WITH THE MATCHING PART.
5. THE CASTING SHALL BE SOUND, CLEAN & FREE FROM DEFECT THAT MAY BE ADVERSELY AFFECT ITS UTILITY AND THE CASTING SHALL BE ULTRASONICALLY LEVEL-II QUALITY TESTED. THE CASTING SHALL BE REPLACED AS A WHOLE & SHALL NOT BE REPAIRED, WELDED OR PLUGGED, IF FOUND TO BE DEFECTIVE.

LOWER SUKTEL
IRRIGATION PROJECT

18T ROPE DRUM HOIST TO OPERATE
1400mm X 2100mm DEPLETION SLUICE
SERVICE GATE AT BLOCK NO. 5 & 6

BUSH FOR DRUM GEAR

O.C.C.LTD.

PREPARED

DRAWN

CHECKED

SUBMITTED

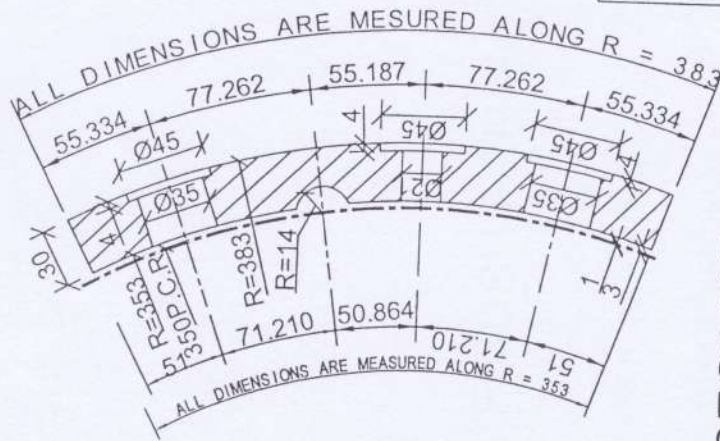
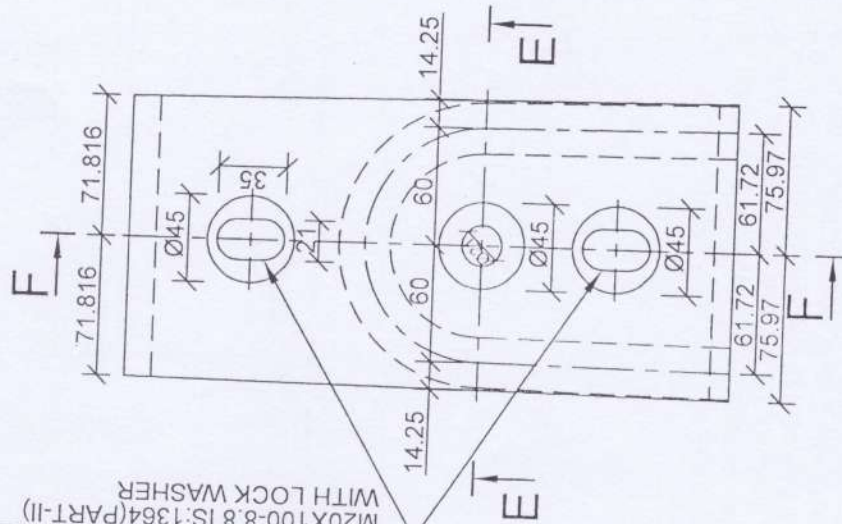
APPROVED

SEPT
2025

DRG.NO.- 06-24-02-01-03-05



35 X 21 SLOTTED HOLE FOR HEX.SCREW
M20X100-8.8 IS:1364(PART-II)
WITH LOCK WASHER



SECTION - FF

ROPE CLAMP

MATERIAL:- C.S. GR. 340 - 570W OF IS:1030
PART NO.:- 06-24-02-00-02-02
NOS. REQUIRED PER SET - 02(TWO)
TOTAL NOS. REQUIRED - 04(FOUR)

NOTES:-

1. ALL DIMENSIONS ARE IN mm OF THE FINISHED PART.
2. THE CASTING SHALL BE SOUND,CLEAN & FREE FROM DEFECT THAT MAY OTHERWISE ADVERSELY AFFECT ITS UTILITY AND THE CASTING SHALL BE ULTRASONICALLY LEVEL-II QUALITY TESTED. THE CASTING SHALL BE REPLACED AS A WHOLE & SHALL NOT BE REPAIRED, WELDED OR PLUGGED, IF FOUND TO BE DEFECTIVE.
3. THE CASTING SHALL BE SUPPLIED IN FULLY ANNEALED CONDITION & SUITABLY HEAT TREATED SO AS TO ATTAIN THE SPECIFIED MECHANICAL PROPERTIES.
4. NOS. REQUIRED PER GATE = 02(TWO).
5. TOTAL NOS. REQUIRED = 04(FOUR).

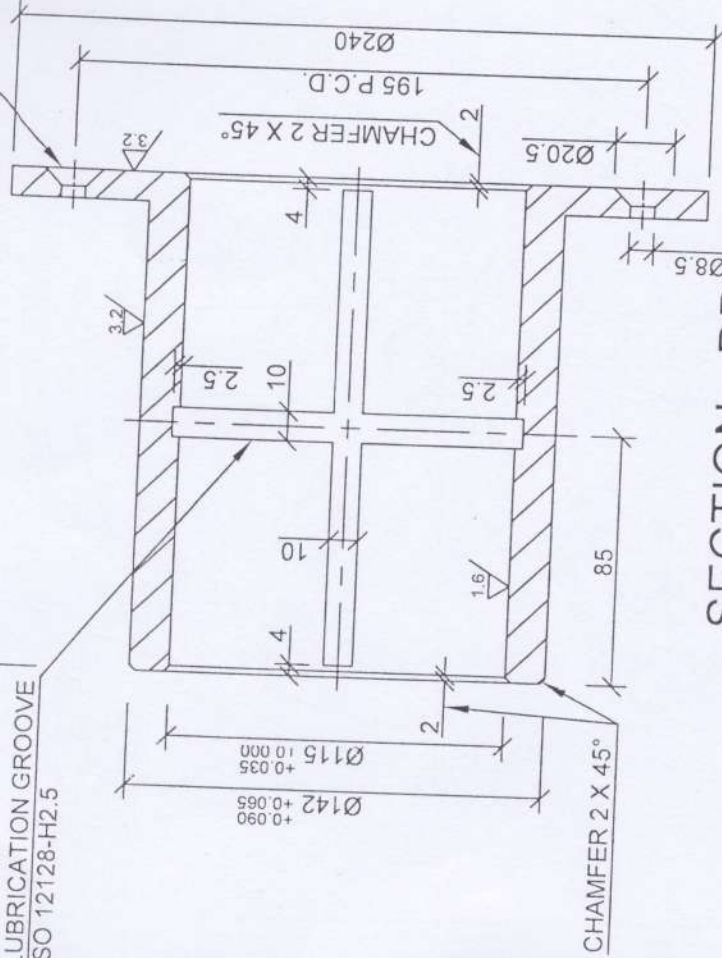
REF. DRG. NO.:-

1. 06-24-02-00-02 R0

LOWER SUKTEL IRRIGATION PROJECT		O.C.C.LTD.	
18T ROPE DRUM HOIST TO OPERATE 1400mm X 2100mm DEPLETION SLUICE SERVICE GATE AT BLOCK NO.5 & 6	PREPARED	<u>Sukharshi</u>	
	DRAWN	<u>Kapark</u>	
	CHECKED	<u>Ganesh</u>	
	SUBMITTED	<u>Ganesh</u>	
	APPROVED	<u>M. Ganesh</u>	
ROPE CLAMP			
SEPT 2325	DRG.NO.:- 06-24-02-01-02-02		

1. 06-24-02-00-02 RO

LUBRICATION C
ISO 12128-H2.5



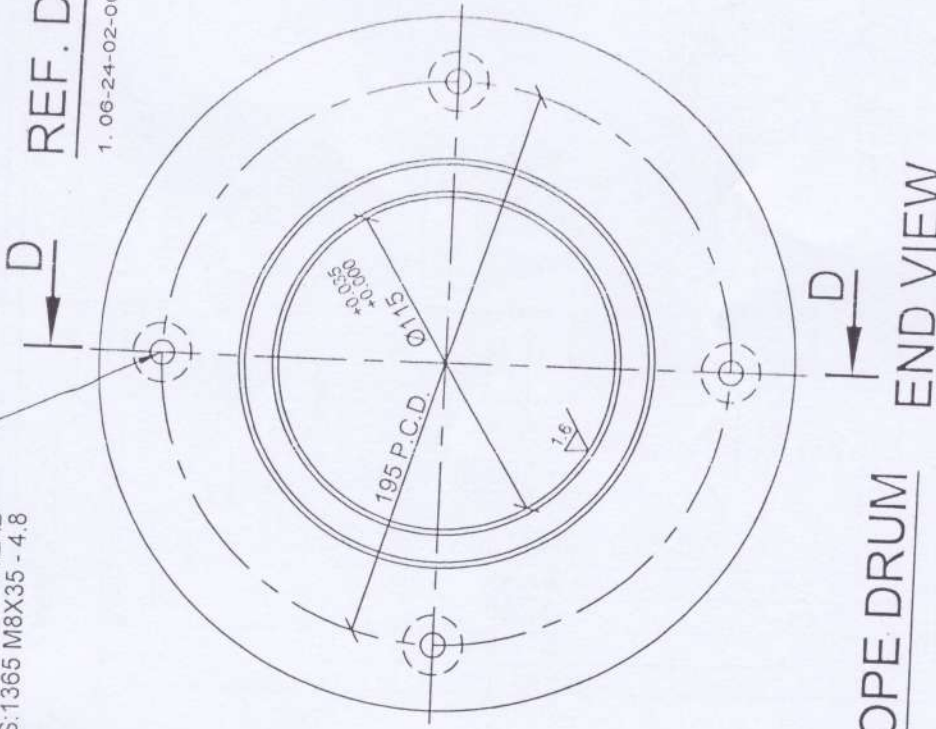
SECTION - DD

BRONZE BUSH FOR ROPE DRUM

MATERIAL:- LTB-1 OF IS : 318-1981
PART NO.-06-24-02-00-02-03
NOS. REQD. PER GATE = 01(ONE)
TOTAL NOS. REQD. = 02(TWO)

NOTES:-

1. ALL DIMENSIONS ARE IN mm OF THE FINISHED PART.
2. THE TOLERANCES & FINISHES SHOWN ARE FOR THE FINISHED PART ONLY.
3. DRILL & TAP FOR C.S. SCREW SHALL BE DONE ALONG WITH MATCHING PART.
4. THE CASTING SHALL BE SOUND, CLEAN & FREE FROM DEFECT THAT MAY BE ADVERSELY AFFECT ITS UTILITY AND THE CASTING SHALL BE ULTRASONICALLY LEVEL-II QUALITY TESTED. THE CASTING SHALL BE REPLACED AS A WHOLE & SHALL NOT BE REPAIRED, WELDED OR PLUGGED, IF FOUND TO BE DEFECTIVE.
5. SUITABLE MACHINING ALLOWANCE (NOT LESS THAN 5mm TOOL POINT) SHALL BE PROVIDED ON ALL SURFACES INDICATED FOR MACHINING.



END VIEW

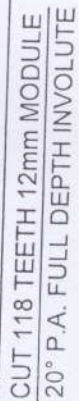
LOWER SUKTEL
IRRIGATION PROJECT

18T ROPE DRUM HOIST TO OPERATE
1400mm X 2100mm DEPLETION
SLUICE SERVICE GATE AT BLOCK NO.5 & 6

BRONZE BUSH FOR
ROPE DRUM

SEPT 2025

DRG.NO.:- 06-24-02-01-02-03



C.L. OF Ø24 REAMED
HOLE FOR HEX. BOLT
M24 X 120NL WITH
PUNCH WASHER

PART NO.- 06-24-02-00-03 -01
MATERIAL - GR.3 - C.S. 840 OF IS:2644 - 1994
TOTAL NOS. REQD. = 02 (TWO)

PART NO. - 06-24-02-00-03 -01

GR.3 - C.S. 840 OF IS:2644 - 1994

1. ALL DIMENSIONS ARE IN mm OF THE FINISHED PART.

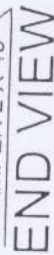
2. THE FINISHES AND TOLERANCES GIVEN ARE FOR THE FINISHED PART ONLY.

3. SUITABLE MACHINING ALLOWANCES (NOT LESS THAN 5 mm ON TOOL POINT) SHALL BE PROVIDED ON ALL SURFACES INDICATED TO BE MACHINED.

4. DRILL & TAP FOR SCREW M 8X35 SHALL BE DONE WITH THE MATCHING PART.
5. THE CASTING SHALL BE COINED TO BE MACHINED.

5. THE CASTING SHALL BE SOUND, CLEAN & FREE FROM DEFECT THAT MAY BE ADVERSELY AFFECT ITS UTILITY AND THE CASTING SHALL BE ULTRASONICALLY LEVEL-II QUALITY TESTED. THE CASTING SHALL BE REPLACED AS A WHOLE & SHALL NOT BE REPAIRED, WELDED OR PLUGGED, IF FOUND TO BE DEFECTIVE.

6. THE CASTING SHALL BE SUPPLIED IN FULLY ANNEALED CONDITION & SUITABLY HEAT TREATED SO AS TO ATTAIN THE SPECIFIED MECHANICAL PROPERTIES.



REF. DRG. NO.:-

1. 06-24-02-00-03 R0

LOWER SUKTEL IRRIGATION PROJECT

18T ROPE DRUM HOIST TO OPERATE
1400mm X 2100mm DEPLETION SLUICE
SERVICE GATE AT BLOCK NO. 5 & 6

DRUM GEAR

SEPT 2025

DRG. NO. 06-24-02-01-03-01

O.C.C.LTD.

PREPARED

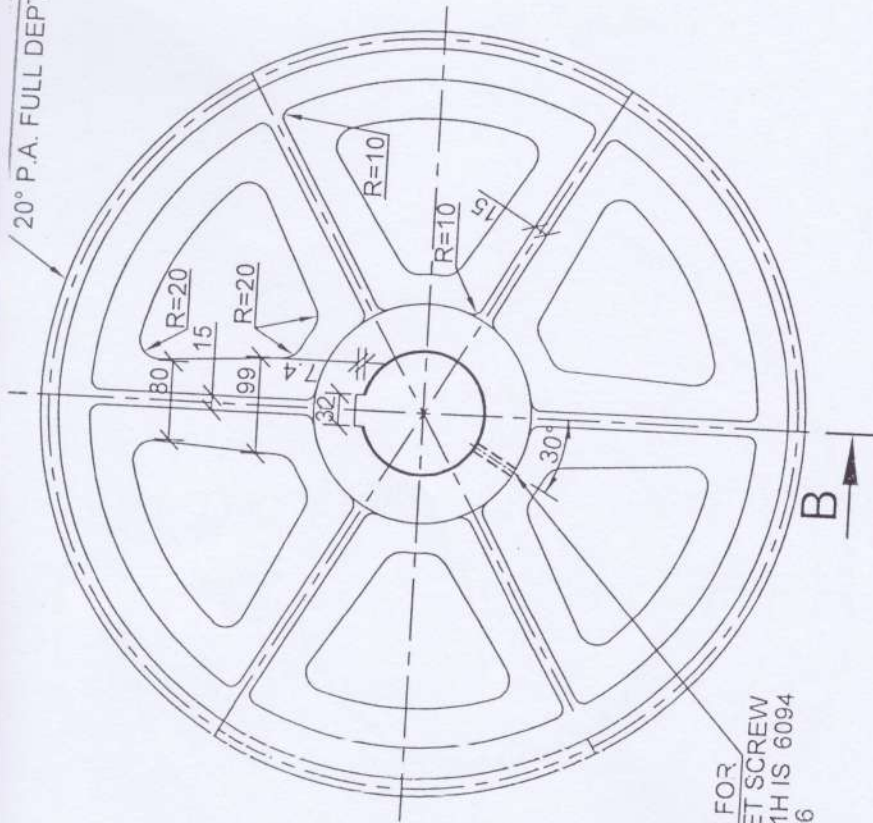
DRAWN

CHECKED

SUBMITTED

APPROVED

20° P.A. FULL DEPTH INVOLUTE



TAPPED HOLE FOR
HEX SOCKET SET SCREW
M10 X 50 - A4-21H IS 6094
(PART-2) : 2006

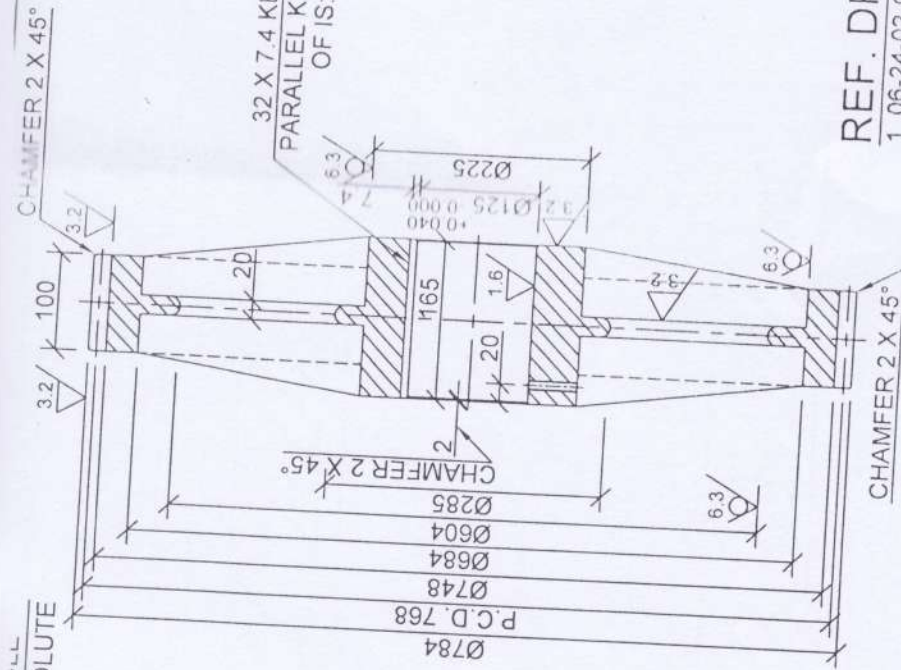
END VIEW

2ND. GEAR

PART NO. - 06-24-02-00-03-02
MATERIAL - GR.3 - CS 840 OF IS:2644 - 1994
TOTAL NOS. REQD. = 02 (TWO)

NOTES:-

1. ALL DIMENSIONS ARE IN mm OF THE FINISHED PART.
2. THE FINISHES AND TOLERANCES GIVEN ARE FOR THE FINISHED PART ONLY.
3. SUITABLE MACHINING ALLOWANCES (NOT LESS THAN 5 mm ON TOOL POINT) SHALL BE PROVIDED ON ALL SURFACES INDICATED TO BE MACHINED.
4. DRILL & TAP FOR SCREW M 10 X 50 SHALL BE DONE WITH THE MATCHING PART.
5. THE CASTING SHALL BE SOUND, CLEAN & FREE FROM DEFECT THAT MAY BE ADVERSELY AFFECT ITS UTILITY AND THE CASTING SHALL BE ULTRASONICALLY LEVEL-II QUALITY TESTED. THE CASTING SHALL BE REPLACED AS A WHOLE & SHALL NOT BE REPAIRED, WELDED OR PLUGGED, IF FOUND TO BE DEFECTIVE.
6. THE CASTING SHALL BE SUPPLIED IN FULLY ANNEALED CONDITION & SUITABLY HEAT TREATED SO AS TO ATTAIN THE SPECIFIED MECHANICAL PROPERTIES.



REF. DRG. NO. :-
1. 06-24-02-00-03 R0

SECTION - BB

LOWER SUKTEL
IRRIGATION PROJECT

18T ROPE DRUM HOIST TO OPERATE
1400mm X 2100mm DEPLETION SLUICE
SERVICE GATE AT BLOCK NO 5 & 6

2ND. GEAR

O.C.C.LTD.

PREPARED
DRAWN
CHECKED
SUBMITTED
APPROVED

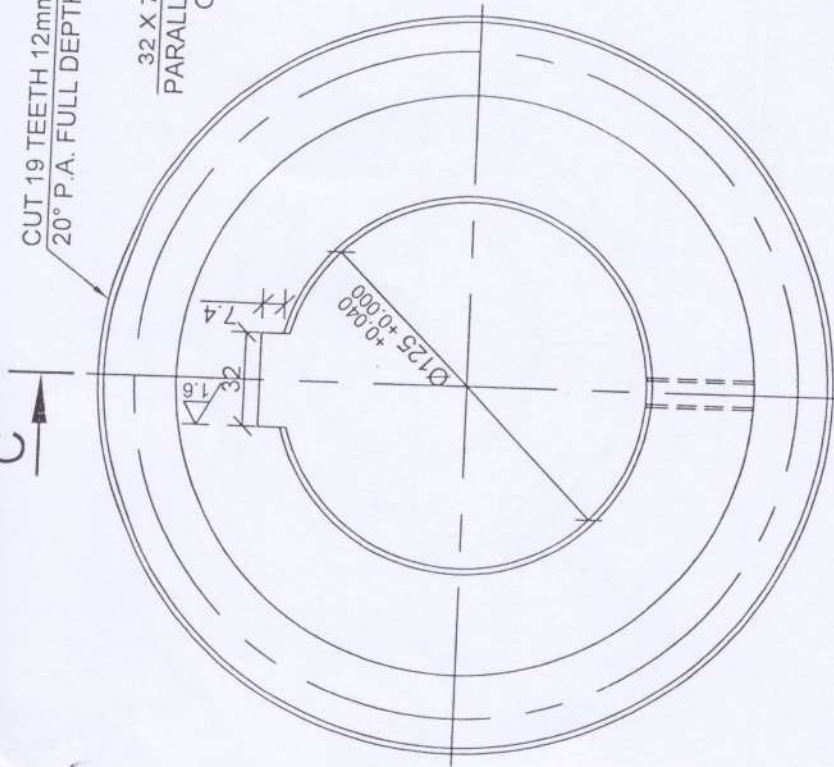
SEPT
2025

DRG.NO. 06-24-02-01-03-02

5. THE CASTING SHALL BE SOUND, CLEAN & FREE FROM DEFECT THAT MAY BE ADVERSELY AFFECT ITS UTILITY AND THE CASTING SHALL BE ULTRASONICALLY LEVEL-II QUALITY TESTED. THE CASTING SHALL BE REPLACED AS A WHOLE & SHALL NOT BE REPAIRED, WELDED OR PLUGGED, IF FOUND TO BE DEFECTIVE.

CUT 19 TEETH 12mm MODULE
20° P.A. FULL DEPTH INVOLUTE

32 X 7.4 KEY WAY FOR
PARALLEL KEY A32X18X165
OF IS:2048



END VIEW

TAPPED HOLE FOR
HEX SOCKET SET SCREW
M10 X 35 - A4-21H IS: 6094
(PART-2) : 2006

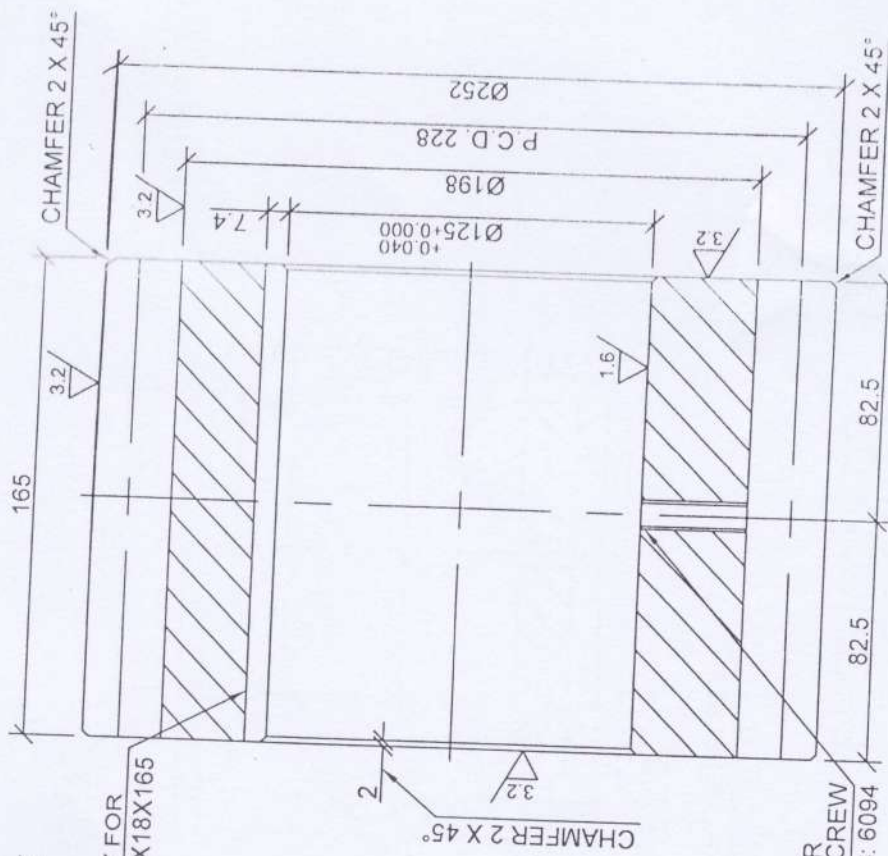
END VIEW

1ST. PINION

PART NO. - 06-24-02-00-03-03
MATERIAL - GR.4 - CS 1030 OF IS:2644 - 1994
TOTAL NOS. REQD. = 02 (TWO)

NOTES:-

1. ALL DIMENSIONS ARE IN mm OF THE FINISHED PART.
2. THE CASTING SHOULD BE SUPPLIED IN FULLY ANNEALED CONDITION & SUITABLY HEAT TREATED SO AS TO ATTAIN SUITABLE MECHANICAL PROPERTIES.
5. THE CASTING SHALL BE SOUND, CLEAN & FREE FROM DEFECT THAT MAY BE ADVERSELY AFFECT ITS UTILITY AND THE CASTING SHALL BE ULTRASONICALLY LEVEL-II QUALITY TESTED. THE CASTING SHALL BE REPLACED AS A WHOLE & SHALL NOT BE REPAIRED, WELDED OR PLUGGED, IF FOUND TO BE DEFECTIVE.
6. THE FINISHES AND TOLERANCES GIVEN ARE FOR THE FINISHED PART ONLY.



SECTION - CC

REF. DRG. NO.:-

1.06-24-02-00-03 R0

1ST. PINION

PART NO. - 06-24-02-00-03-03
MATERIAL - GR.4 - CS 1030 OF IS:2644 - 1994
TOTAL NOS. REQD. = 02 (TWO)

NOTES:-

1. ALL DIMENSIONS ARE IN mm OF THE FINISHED PART.
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LOWER SUKTEL
IRRIGATION PROJECT

18T ROPE DRUM HOIST TO OPERATE
1400mm X 2100mm DEPLETION SLUICE
SERVICE GATE AT BLOCK NO. 5 & 6

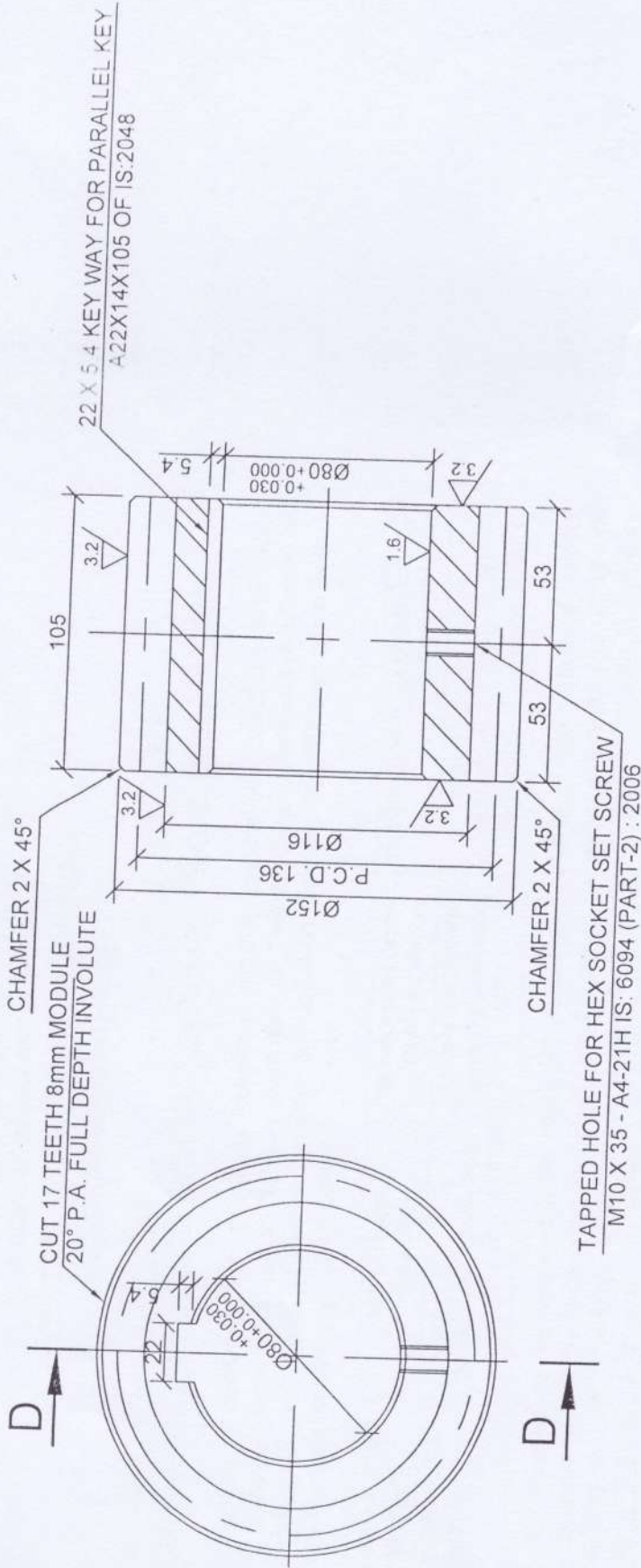
1ST. PINION

O.C.C.LTD.

PREPARED	<i>Shankar</i>
DRAWN	<i>Maya</i>
CHECKED	<i>Arjun</i>
SUBMITTED	<i>Arjun</i>
APPROVED	<i>Arjun</i>

SEPT
2025

DRG.NO.:- 06-24-02-01-03-03



END VIEW

SECTION - DD

REF. DRG. NO.:-
1.06-24-02-00-03 R0

2ND. PINION

PART NO.- 06-24-02-00-03-04
MATERIAL - GR.4 - CS 1030 OF IS:2644 - 1994
TOTAL NOS. REQD. = 02 (TWO)

NOTES:-

1. ALL DIMENSIONS ARE IN mm OF THE FINISHED PART.
5. THE CASTING SHALL BE SOUND, CLEAN & FREE FROM DEFECT THAT MAY BE ADVERSELY AFFECT ITS UTILITY AND THE CASTING SHALL BE ULTRASONICALLY LEVEL-II QUALITY TESTED. THE CASTING SHALL BE REPLACED AS A WHOLE & SHALL NOT BE REPAIRED, WELDED OR PLUGGED, IF FOUND TO BE DEFECTIVE.
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LOWER SUKTEL IRRIGATION PROJECT

18T ROPE DRUM HOIST TO OPERATE
1400mm X 2100mm DEPLETION SLUICE
SERVICE GATE AT BLOCK NO 5 & 6

2ND. PINION

O.C.C.LTD.

PREPARED	<i>[Signature]</i>
DRAWN	<i>[Signature]</i>
CHECKED	<i>[Signature]</i>
SUBMITTED	<i>[Signature]</i>
APPROVED	<i>[Signature]</i>

SEPT
2025

DRG.NO. 06-24-02-01-03-04