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

* * * *

TENDER DOCUMENT FOR
“SUPPLY OF CASTING ITEMS FOR PRANADEIPUR BARRAGE PROJECT”

The tender document comprises of the following:

1) Tender call notice No. OCC/CWS/PROC/PDBP-08/19/20-21 dated 13.08.2020 01 (One) sheet
2) Terms and conditions 04 (Four) sheets
3) Drawings 19 (Nineteen) sheets
3) Price schedule 02 (Two) sheets

Total: 26 (Twenty-six) 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
TENDER CALL NOTICE No. OCC/CWS/PROC/PDBP-08/19/2020-21 dated 13.08.2020

Sealed tenders in conformity with the terms, conditions, drawing and technical specifications in tender documents are invited from reputed manufacturers / traders for "SUPPLY OF CASTING ITEMS FOR PRANADEIPUR BARRAGE PROJECT" as per details below:

<table>
<thead>
<tr>
<th>Cost of tender document (Non-refundable)</th>
<th>Sale of tender document</th>
<th>Earnest money deposit (EMD) required</th>
<th>Receipt &amp; opening of technical bid of tender</th>
<th>Opening of price schedule bid of tender</th>
</tr>
</thead>
<tbody>
<tr>
<td>` 6,000/- GST @ 12%</td>
<td>From 14.08.2020 to 28.08.2020 up to 1.00PM</td>
<td>1(One)% of the total quoted value including GST</td>
<td>Up to 3.00 PM &amp; 3.30 P.M. on 28.08.2020</td>
<td>At 4.00 PM on 28.08.2020</td>
</tr>
<tr>
<td><code>6,720/- by hand &amp;</code> 6,820/- by Regd. Post/ courier</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The tender document can be purchased by the interested reputed manufacturers or their authorized dealers / traders by hand from the office of the undersigned on deposit of cost of tender document i.e. `6,000/- plus GST @ 12% amounting to `6,720/- 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 registered post, speed post/ courier on sending the cost of tender document i.e. `6,000/- plus GST @ 12% and postage charges of `100/- amounting to `6,820/- 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 undersigned will not be responsible for any kind of delay by the postal/courier authorities.

1) Valid GST Registration Certificate.
2) PAN Card
3) The bidders have to submit copies of purchase orders, credentials, certificates etc. in support of supply of similar items of magnitude minimum amounting to 20.00 lakh in last 5 financial years (i.e. from financial year 2015-16 to 2019-20 including current financial year 2020-21).
4) 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 newspaper again. However, the cost of tender document i.e. `6,000/- plus GST @ 12% amounting to `6,720/- 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 tender will be cancelled. 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 tenders will be opened in the presence of the tenderers or their authorised representatives. Tender through Fax/Telex/telegram/e-mail 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/them 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)

TERMS AND CONDITIONS OF TENDER FOR
“SUPPLY OF CASTING ITEMS FOR PRANADEIPUR BARRAGE PROJECT”

1) Reputed manufacturers/ traders 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) The tenderer should submit Earnest Money Deposit (EMD) @ 1(One)% of the total quoted value along with the tender in shape of account payee demand draft drawn in favour of “Odisha Construction Corporation Ltd” - Project Account on any Nationalised Bank/ Scheduled bank payable at Bhubaneswar. The tenders received without EMD will be out rightly rejected. EMD of the unsuccessful tenderers will be released only after finalization of the tender.

3) 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 “TENDER FOR SUPPLY OF CASTING ITEMS FOR PRANADEIPUR BARRAGE 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.

4) i) The first envelope super scribing in bold letters as “TECHNICAL BID” should contain the following:
   a. EMD of 1(One)% of quoted value as per clause- 2 above.
   b. 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.
   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 magnitude minimum amounting to 20.00 lakh in last 5 financial years (i.e. from financial year 2015-16 to 2019-20 including current financial year 2020-21).
   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.

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
5) The tender document can be purchased by the interested reputed manufacturers / traders by hand from the office of the undersigned from 14.08.2020 to 28.08.2020 (up to 1.00 P.M) during office hours on deposit of cost of tender document i.e. `6,000/- plus GST @ 12% amounting to `6,720/- 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. `6,000/- plus GST @ 12% and postage charges of ` 100/- amounting to ` 6,820/- in shape of A/C. payee demand draft drawn in favour of “Odisha Construction Corporation Limited” 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 20.00 lakh in last 5 financial years (i.e. from financial year 2015-16 to 2019-20 including current financial year 2020-21).
d. Tenderer should submit valid manufacturer / trader registration certificate

6) 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 newspaper again). However, the cost of tender document i.e. `6,000/- plus GST @ 12% amounting to `6,720/- 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.

7) The tenders will be received up to 3.00 PM on 28.08.2020 and TECHNICAL BID 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.

8) The undersigned will not be responsible for any kind of delay in receipt of tenders by the postal/courier authorities.

9) The PRICE SCHEDULE BID will be opened on 28.08.2020 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.

10) 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.

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
11) 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.

12) 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.

13) 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.

14) The successful tenderer shall have to furnish a performance bank guarantee for 10% value of materials within 07 days from the date of issue of Purchase Order. The Bank Guarantee shall be released after completion of the guarantee period.

15) 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.

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 anything 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) 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.

19) 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.
20) The purchaser reserves the right to forfeit and encash the performance bank guarantee in full in case any bronze casting is found defective and not replaced by the tenderer/supplier within a suitable time fixed by the corporation. Any repair to the bronze 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.

21) Price escalation will not be allowed under any circumstances. The quoted rates will remain firm till execution of the work order.

22) The validity of the offer should be for a period of 120 (One hundred twenty) days from the date of opening of the tender.

23) 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.

24) 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.

25) 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.

26) 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.

27) 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.

28) Tender through fax/telex/telegram/e-mail will not be accepted.

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.  
Senior Manager (Mech.)-I  
OCC Ltd, Central Workshop,  
Rasulgarh, Bhubaneswar-751010
## Detailed Specification and Price Schedule for "Supply of Casting Items for Pranadeipur Barrage Project"

**Vide TCN No. OCC/CWS/PROC/PDBP-08/19/20-21 Dated 13.08.2020 Due On 28.08.2020.**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description of Item</th>
<th>Part No</th>
<th>Unit</th>
<th>Qnty. Req'd in unit</th>
<th>Basic Price per unit</th>
<th>Rate per unit in `</th>
<th>Total amount in ` for full materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Wheel-As per drawing Carbon steel of 45C8 of IS:2004 (Annexure-I)</td>
<td>4-1</td>
<td>Nos.</td>
<td>40</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Bronze bush-As per drawing Aluminium bronze Gr.AB-2 of IS:305 (Annexure-II)</td>
<td>4-2</td>
<td>Nos.</td>
<td>40</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Wheel pin-As per drawing Stainless steel of X04 Cr19 Ni9 of IS:1570 (Part-V) (Annexure-III)</td>
<td>4-3</td>
<td>Nos.</td>
<td>40</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Wire rope drum(1L &amp; 1R) Cast steel Grade-340 -570W of IS:1030-1989 (Annexure-IV)</td>
<td>2-1</td>
<td>Nos.</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Rope clamp Cast steel Grade-340-570W of IS:1030-1989 (Annexure-V)</td>
<td>2-2</td>
<td>Nos.</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Bronze bush for rope drum-As per drawing Leaded tin bronze Gr. LTB-1 of IS:318-1981 (Annexure-VI)</td>
<td>2-3</td>
<td>Nos.</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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
<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description of Item</th>
<th>Part No</th>
<th>Qnty. reqd. in unit</th>
<th>Rate per unit in `</th>
<th>Total amount in ` for full materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Drum gear-As per drawing Cast steel Gr.340-570W of IS:1030-1989 (Annexure-VII)</td>
<td>3-1</td>
<td>Nos.</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Second gear-As per drawing Cast steel Gr.340-570W of IS:1030-1989 (Annexure-VIII)</td>
<td>3-2</td>
<td>Nos.</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>First pinion-As per drawing Forged steel 55C8 of IS:2004 (Annexure-IX)</td>
<td>3-3</td>
<td>Nos.</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Second pinion-As per drawing Forged steel 55C8 of IS:2004 (Annexure-X)</td>
<td>3-4</td>
<td>Nos.</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Bronze bush for drum gear -As per drawing Leaded tin bronze Gr. LTB-1 of IS:318-1981 (Annexure-XI)</td>
<td>3-5</td>
<td>Nos.</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Dial plate - 3.15mm th. (Brass of IS: 410) (Annexure-XII)</td>
<td>8-1</td>
<td>Nos.</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Bush (LTB-1 of IS:318) (Annexure-XIII)</td>
<td>8-4</td>
<td>Nos.</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Indicator needle (Str. Steel) (Annexure-XIV)</td>
<td>8-10</td>
<td>Nos.</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Jaw clutch (Str. Steel) (Annexure-XV)</td>
<td>8-20</td>
<td>Nos.</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Slider bush (Brass) (Annexure-XVI)</td>
<td>10-6</td>
<td>Nos.</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Chain sprocket (driven)(Str. steel) (Annexure-XVII)</td>
<td>10-13</td>
<td>Nos.</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Chain wheel (driving)(Str. Steel) (Annexure-XVIII)</td>
<td>10-14</td>
<td>Nos.</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>ø 50mm pulley with pin suitable for ø 4mm wire rope (Std)</td>
<td>11-11</td>
<td>Nos.</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Bronze bush-As per drawing Grade AB-2 of IS:305 (Annexure-XIX)</td>
<td>4-4</td>
<td>Nos.</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

**N.B:- All the materials shall be supplied in finished / fully machined conditions.**

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
END VIEW

WHEEL

PART NO. SHEET NO. GATE-04 1
MATERIAL - 45C8 OF IS:2004
SNR - 175
NOS. REQD./GATE - 04
TOTAL NO. OF GATES - 10

NOTES -
1. THE DIMENSIONS SHOWN ARE IN mm OF THE FINISHED PART
2. THE SHAPE SHALL BE SUPPLIED IN FORGED AND NORMALISED CONDITION
3. THE TOLERANCES AND FINISHES INDICATED ARE FOR MACHINING PURPOSE ONLY
4. DRILL & TAP FOR C/S SCREW SHALL BE DONE ALONG WITH THE MATCHING PART IN POSITION
5. THE FORGING SHALL BE FREE FROM DEFECTS & EACH FORGING SHALL BE ULTRASONICALLY TESTED
6. TOTAL NO. OF GATES - 10.
BUSH 4-2

MATERIAL - ALUMINIUM BRONZE Gr.AB 2 OF IS:305
NOS.REQD./GATE - 4

TOTAL QTY - 40 (FORTY) NOS

Note - (4-4) - Grub Screw AM8 X16 IS:2388-66

FOR TENDER PURPOSE ONLY

[Signature]

Senior Manager (M)
OCL Ltd., Central Workshop
Bhubaneswar-10

PRANADEIPUR BARRAGE PROJECT
OCCL
WHEEL PIN

MATERIAL: X604Co 19N9 OF IS:1579(PART-V)
NOS. REQD./GATE - 4

TOTAL QTY-40 (FORTY) NOS.

TRANADEPUR BARRAGE PROJECT
OCCPL

FOR TENDER PURPOSE ONLY

Senior Manager
OCC Ltd., General Workshop
Ravenspur, Maheswar 49
Material - Cast Steel Grade 340-570W of IS: 1030-1989

Total QTY - 20 (Twenty) Nos.

For Tender Purpose Only

[Signature]
Senior Manager
CC Ltd., Central Workshop
Nabar, Bhubaneswar-20

PANADEIPUR BARRAGE PROJECT
10T ROPE DRUM HOIST

[CCL]
END VIEW

SECTION - D-D

BRONZE BUSH FOR ROPE DRUM

TOTAL QTY - 20 (TWENTY) NOS.

PRADEEP FOR GARRAGE TROLLEY
1ST ROPE DRUM TWIST

Note: (24) - CS Grade
M6 x 30 of
25: 6961-0-8
END VIEW

SECTION - C C

1ST. PINION

PART NO-3793-3
BHN-200
NOS. REQUIRED / SET= 2 (TWO)
TOTAL NOS REQUIRED=20 (TWENTY)

NOTES:
1. ALL DIMENSIONS ARE IN MM OF THE FINISHED PART.
2. THE CASTING SHALL BE SUITABLY HEAT TREATED SO AS TO ATTAIN THE SPECIFIED MECHANICAL PROPERTIES.
3. ALL CASTINGS SHALL BE FREE FROM DEFECTS THAT WILL ADVERSELY AFFECT MACHINABILITY OR UTILITY OF CASTINGS.
4. THE TOLERANCES & FINISHES INDICATED ARE FOR THE FINISHED PART ONLY.

ODISHA CONSTRUCTION CORPORATION LIMITED
PRANADEIPUR BARRAGE ACROSS RIVER BAGHUA IN POLASARA BLOCK
16T ROPE DRUM HOIST TO OPERATE 7.5m x 3.0m GATE
1ST. PINION

DRG. NO.3793-3

Senior Manager (M)
OIC Limited, Central Workshop
END VIEW

2ND. PINION

NOTES:-
1. ALL DIMENSIONS ARE IN MILS OF THE FINISHED PART.
2. THE CASTING SHALL BE SUITABLY HEAT TREATED SO AS TO ATTAIN THE SPECIFIED MECHANICAL PROPERTIES.
3. ALL CASTING SHALL BE FREE FROM DEFECTS THAT WILL ADVERSELY AFFECT MACHINING OR UTILITY OF CASTINGS.
4. THE TOLERANCES & FINISHES INDICATED ARE FOR THE FINISHED PART ONLY.

ODISHA CONSTRUCTION CORPORATION LIMITED
PRANADEIPUR BARRAGE ACROSS RIVER BAGHUA IN POLASARA BLOCK
16T ROPE DRUM HOIST TO OPERATE 7.6m x 3.6m GATE
2ND. PINION

PART NO.-3793/4
MAT. MATERIAL-0528 cf IS:2064-1991
BHN-205
NOS. REQUIRED / SET=2 (TWO)
TOTAL NOS REQUIRED=20 (TWENTY)

DRG. NO.3793/4
END VIEW

SECTION - E E

BRONZE BUSH FOR DRUM GEAR

NOTES:
1. ALL DIMENSIONS ARE IN MM OF THE FINISHED PART.
2. DRILL & TAP FOR COUNTERSINK HEAD SCREW M8 X 35 SHALL BE DONE ALONG WITH A MATCHING PART TO DRUM GEAR.
3. THE MATERIAL SHALL BE TESTED FOR CHEMICAL COMPOSITION & MECHANICAL PROPERTIES REPRESENTATIVE OF EACH MELT.
4. THE FINISHES & TOLERANCES INDICATED ARE FOR FINISHED PART ONLY.

ODISHA CONSTRUCTION CORPORATION LIMITED
PRANADEIPUR BARRAGE ACROSS RIVER BAGHUA IN POLASARA BLOCK
10T ROPE DRUM HOIST TO OPERATE 7.0m x 3.0m GATE BUSH FOR DRUM GEAR

RARARI
Superintendent (M)
OCC Ltd. Central Workshop

DRG. NO. 379/3-5
END VIEW  SECTION - GG

MATERIAL - LTB-1 OR IS. 318
TOTAL QTY - 60 (SIXTY) NOs.

Note (8-13) - Grind Screw CMSX8 IS: 4099-105.

Rahul
Senior Manager (M)
OCC Ltd., Central Workshop
Pranadeipur, Bhaisamwar-10

PRANADEIPUR BARRAGE PROJECT
10T ROPE DRUM HOIST
OCCL
END VIEW

SECTION - CC

INDICATOR NEEDLE

MATERIAL - STR. STEEL

TOTAL QTY - 10 (TEN) NOS.

Note: (6-15) - 6mm
Screw CMB6x20
LS: 6094-10-7

Pranadeipur Barrage Project
10T Rope Drum Hoist
O.C.C.

CHROME PLATED

Senior Manager (M)
O.C.C. Ltd., Central Workshop
Parvathipuram, Vizianagaram
END VIEW
JAW CLUTCH 8-20
HALF FOR 4-5

ELEVATION
TAPPED HOLE FOR 8-21

ELEVATION
TAPPED HOLE FOR 8-29

END VIEW
JAW CLUTCH 8-20
HALF FOR 8-7

MATERIAL - STR STEEL
TOTAL QTY - 10 (TEN) NO.

PRANADEIPUR BARRAGE PROJECT
10T ROPE DRUM HOIST
OCCIL
SLIDER BUSH

MATERIAL - BRASS

TOTAL QTY - 20 (TWENTY) NOS.

Note - (10-9) - ø12mm pin for slider bush.

[Signature]

Senior Manager (AD)
OCC Ltd., Central Workshop
Ranipukur, Bhadrachalam-16

PRANADEIPUR BARRAGE PROJECT
1OT ROPE DRUM HOIST
OCC L
CHAIN SPROCKET (DRIVEN)

SPECIFICATION
MATERIAL - CAST STEEL / MILD STEEL
PITCH - 12.7 FOR CHAIN 051 - IS 2403
NO OF TEETH - 20

TOTAL QTY - 10 (TEN) WOS

[Signature]
Senior Manager (M)
OCC Ltd., Central Workshop
Bonnirath, Kishanganj - 32

[Stamp]
PRANADEIPUR BARRAGE PROJECT
10 T ROPE DRUM HOIST
OCEL
CHAIN WHEEL (DRIVING)

MATERIAL - CAST STEEL/MILD STEEL
PITCH - 12.7 FOR CHAIN OSL-15.2403
NO. OF TEETH - 49
TOTAL QTY - 10 (TEN) NO.

DRINADEIPUR BARRAGE PROJECT
10T ROPE DRUM HOIST
OCEL
END VIEW

BUSH 4-4
MATERIAL: Gr. A82 OF IS 205

TOTAL QTY - 20 (TWENTY) NOS.

SECTIONS - CC

LUBRICATION GROOVE
H 1.6 IS 7745

CHAMFER 2 X 45°

ARANJEOUR BARRAGE PROJECT
10 T ROPE DRUM HOIST
O C C L