

**OFFICE OF THE ASKA CO-OPERATIVE SUGAR INDUSTRIES LTD, NUAGAM (ASKA)
P.O.NUAGAM (ASKA)-761111, GANJAM DISTRICT, ODISHA
Phones:06822-273464,email:askasugar@yahoo.co.in,website:askasugar.com**

L.NO-(Eng.) 28 Date- 08/04/2022

TENDER CALL NOTICE

The Aska Co-operative Sugar Industries Ltd invites sealed tenders for Supply, Dismantling, Fabrication, Erection & Commissioning of 36 kg./cm² & 40 T/hr (Boiler No-OR-529.) as follows.

S.N	Description	Size(All dimensions are in MM)	Qty.	Material Specification (With IBR Certificate)	Drsg. No	Remarks
Boiler No-OR-529 Relief Tube :- (Code of Mfg.-IBR 1950 & its latest amendment, Working pressure-36 Kg/cm², Max.metal temp.-300° C, Radiography-As per IBR)						
1	Tube No-40,40A	101.6 O.D x4.06 THK x 816 lg.	1 No.Each	BS 3059 GR 360	BS-1001/04	Design Data,General Notes as per Drg. (Steam Drum & Header side extra 60 mm length to be added on each side for drum thickness & bellmouth)
2	Tube No-41,41A	101.6 O.D x4.06 THK x 2199 lg.	1 No.Each			
3	Tube No-42,42A	101.6 O.D x4.06 THK x 3007 lg.	1 No.Each			
4	Tube No-43,43A	101.6 O.D x4.06 THK x 4219 lg.	1 No.Each			
5	Tube No-44,44A	101.6 O.D x4.06 THK x 5277 lg.	1 No.Each			
6	Tube No-45,45A	101.6 O.D x4.06 THK x 6489 lg.	1 No.Each			
Total Qty.			12 Nos.			
Boiler No-OR-529 Super Heater Coils:- (Max. Working pressure-36 Kg/cm², Max.Hyd.test pressure-54 Kg/cm², S.H outlet pressure-32 Kg/cm², S.H Outlet temp.-380°±15° C, S.H Coil heating surface-120 m², Max.Metal temp-365° C(Primary),430° C(Secondary)						
1	Primary Super Heater Coils	50.8 MM x 9 SWG. THK./3.66 THK X length as per drawing.	17 Nos.	Conforming to SA 213 GR.T-11	749/09	Design Data,General Notes as per drg.(Steam Drum & Header side extra 60 mm length to be added on each side for drum thickness & bellmouth)
2	Secondary Super Heater Coils	50.8 MM x 9 SWG. THK./3.66 THK X length as per drawing.	17 Nos.			
3	S.S-304 Hook	16 MM Dia. Hook	136 Nos	S.S-304	442/19	
4	S.S-304 Flat	8 MM THK x 60 MM Wide x 03 Meter Length	08 Nos.	S.S-304		
5	S.S-304 Flat Washer for M16 Bolt	As per DIN 125 form A Washer	300 Nos.	S.S-304		
6	S.S-304 Nut	M16	250 Nos.	S.S-304		

Supply, Dismantling, Fabrication, Erection & Commissioning of new Boiler Tubes:-

Procedure to participate in Tender:-

1. Anybody can participate for above work but the employees can't participate in the tender.
2. The prescribed tender form to be downloaded from the website: www.askasugar.com with a deposit of Rs 500/- DD in favour of The Aska Co-operative Sugar Industries Ltd, payable at S.B.I Aska which is non-refundable.
3. The tenderer will have to deposit required EMD 10,000/- in shape of DD in favour of The Aska Co-operative Sugar Industries Ltd, payable at S.B.I Aska. The EMD of successful tenderer will be refunded without interest after satisfactory completion of the job & the EMD of the unsuccessful tenderer will be refunded without interest within 15 days of finalization of tender.
4. The tender paper should reach us in sealed envelopes by Speed post/Registered post/Courier or can be dropped in drop box kept in the office of Managing Director by 11.00 A.M on 27/04/2022 and same will be opened at 3.00 P.M on the same day for finalization in presence of tenderers or their authorized representatives.

Terms & Conditions:-

A) For supply of new Boiler Superheater coils & Relief tubes:-

1. Delivery period:-within 8 weeks.
2. The materials should be dispatched directly from original manufacturer.
3. All the certificates in original relating to materials will be provided by the tenderer.
4. The IBR test certificates of the materials will be furnished by the tenderer.
5. All the tubes should be hydraulically tested as per IBR.
6. If the size and length of the tube found less/short/any tube rejected then the same will be replaced by the tenderer free of cost.
7. The undersigned reserves the rights to accept/reject any/all the tenders without assigning any reason.
8. Tenderer should be licensed / registered as standard qualified IBR supplier.
9. Contractor shall be responsible for completing all the IBR formalities.

B) For dismantling, fabrication, erection and commissioning of new Boiler tubes:-

1. Tenderer will make all the drawings required for the shaping of the tubes as per requirement and get all the drawings approved by office of the Director of Boiler, Odisha.
2. Approval of the drawings and site fabrication is in the scope of supplier.
3. While dismantling the tube the tenderer will take care for safety of boiler drum, header etc.
4. During fittings of the tubes, the tenderer will arrange the inspection.
5. Tenderer will arrange the qualified IBR welder as per 1950 IBR for this job.
6. Proper bellmouth of the tube should be prepared as per drawing.
7. Tenderer will carry-out all the allied jobs related to the retubing of the Boiler.
8. The work should be completed in all respect within 3-4 weeks.
9. All the tools & tackles required for the job will be in contractor scope.
10. Gas & consumables items will be provided by factory.
11. In case any defect is found in the work the contractor will be liable to rectify/remove the defects at his risk or cost.
12. The contractor will have to take the safety measure for his labour.
13. Tenderer will have to provide all the documents which are approved by office of the Director of Boiler, Odisha.
14. The rate so finalized shall remain firm of the entire specified period and the successful bidder can't claim for revision of the rate in the middle time of the contract period.
15. The tenderer should submit copy of the PAN card, valid labour licence along with the tender.
16. Failure of submission above documents may lead to cancellation of the tender paper.
17. The undersigned reserves the right to accept/reject any/all tender at any stage without assigning any reason thereof.
18. The terms & conditions laid down in the tender form shall form a part of this terms & conditions.

The undersigned reserves the right to reject any tender or all the tenders at any stage without assigning any reason thereof.

BT
8.4.22
Chief Engineer

Memo No-(Eng.) 29⁽³⁾ Dt. 08/04/2022.

Copy to A.O/General Notice Board / Time office notice board for information of the concerned.

BT
8.4.22
Chief Engineer

TENDER FORM

To:

The Managing Director
A.C.S.I Ltd., Aska.

I have gone through your tender call notice issued vide No. Engg. / _____
Dt. ____/____/2022 for the supply, Dismantling, Erection & Commissioning of the Superheater
Coils & Relief tubes for 36 kg./cm² maximum Pressure, super heater temperature- 400⁰c & 40
T/hr (OR-529).The following works as detailed below.

Supply, Dismantling, Fabrication, Erection & Commissioning of new Boiler Tubes:-

Sl. No. (A)	Description	Size(All dimensions are in MM)	Qty.	Material Specification (With IBR Certificate)	Drg. No	Remarks	Quoted Price(Inclusive all taxes)	
							All Tubes supply	All tubes Dismantling, Fabrication Erection & Commissioning
Boiler No-OR-529 Relief Tube :- (Code of Mfg.-IBR 1950 & its latest amendment, Working pressure-36 Kg/cm², S.H temp.-400° C, Radiography-As per IBR)								
1	Tube No-40,40A	101.6 O.D x4.06 THK x 816 lg.	1 No. Each	BS 3059 GR 360	BS-1001/04	Design Data, General Notes as per Drg. (Steam Drum & Header side extra 60 mm length to be added on each side for drum thickness & bellmouth)		
2	Tube No-41,41A	101.6 O.D x4.06 THK x 2199 lg.	1 No. Each					
3	Tube No-42,42A	101.6 O.D x4.06 THK x 3007 lg.	1 No. Each					
4	Tube No-43,43A	101.6 O.D x4.06 THK x 4219 lg.	1 No. Each					
5	Tube No-44,44A	101.6 O.D x4.06 THK x 5277 lg.	1 No. Each					
6	Tube No-45,45A	101.6 O.D x4.06 THK x 6489 lg.	1 No. Each					
Total Qty.			12 Nos.					

S.N (B)	Description	Size(All dimensions are in MM)	Qty.	Material Specification (With IBR Certificate)	Drg. No	Remarks	Quoted Price(Inclusive all taxes)
							All 34 Nos. Coil supply All 34 Nos. Coil Dismantling, Fabrication Erection & Commissioning with accessories
Boiler No-OR-529 Super Heater Coils :- (Max. Working pressure-36 Kg/cm ² ,Max.Hyd.test pressure-54 Kg/cm ² , S.H outlet pressure-32 Kg/cm ² , S.H Outlet temp.-380±15° C,S.H Coil heating surface-120 m ² ,Max.Metal temp-365° C(Primary),430 ° C(Secondary)							
	Primary Super Heater Coils	50.8 MM x 9 SWG. THK./3.66 THK x Length as per Drawing.	17 Nos.	Conforming to SA 213 GR.T-11	749/09	Design Data, General Notes as per drg.(Steam Drum & Header side extra 60 mm length to be added on each side for drum thickness & bellmouth)	
2	Secondary Super Heater Coils	50.8 MM x 9 SWG. THK./3.66 THK x Length as per Drawing.	17 Nos.				

S.N (C)	Description of Accessories	Size(All dimensions are in MM)	Qty.	Material Specification (With Materials Certificate)	Drg. No	Remarks	Cost of Supply (Incl. all taxes)
	S.S-304 Hook	16 MM Dia. Hook	136 Nos.	S.S-304	442/19		
4	S.S-304 Flat	8 MM THK x 60 MM Wide x 03 Meter Length	08 Nos.	S.S-304			
5	S.S-304 Flat Washer for M16 Bolt (As per DIN 125 form A Washer)		300 Nos.	S.S-304			
6	S.S-304 Nut	M16	250 Nos.	S.S-304			

I intend to execute the said work complete in all respect. Also I agree the terms & conditions laid down in the above said tender call notice.

Full Sign.of Party /Authorized representative (With seal)

Name & Address: -

Sri _____

Village. _____

Via. _____ Dist. _____

Mobile No. _____

Annexure - 1

Terms & Conditions:-

A) For supply of new Boiler tubes.

1. F.O.R:-ACSI Ltd.Aska,Odisha
2. Packing & Forwarding:-as applicable
3. Delivery period:-8 weeks. The supplier will held responsible for any late, irregular and non-supply of the materials to the factory.
4. GST:-Extra as applicable.
5. Material test certificate is must and the tenderer should enclose authorization certificate form the original manufacturer of the tubes duly approved as per IBR guidelines.
6. Rates are to be quoted on the basis of said terms & conditions
7. The quoted rate will be valid for whole crushing season 2022-23.
8. The undersigned reserves the rights to accept/reject any/all the tenders without assigning any reason.

B) For dismantling,fabrication,erection and commissioning of new Boiler tubes:

1. Job completion time:-3-4 weeks.
2. Service tax:-Extra as applicable.
3. The contractor will be responsible for any loss occurred due to negliance of contractual works and it will be recovered from his bill.
4. The contractor will be held responsible for any late, irregular and inferior quality of the job work. In that event, the factory will complete the job by other contractor at the risk and cost of the contractor.
5. Rates are to be quoted on the basis of said terms & conditions.
6. The quoted rate will be valid for whole crushing season 2022-23.
7. Approval of all work from office of the Director of Boiler, Odisha will be in tenderer scope.
8. Masonary work required for dismantling & erection are to be attended by tenderer & necessary fire clay, fire Crete super, fire bricks will be provided by the industry.
9. All required safety materials should be carried out by the contractor.
10. The contractor has to make insurance for the workmen engaged and he will be fully responsible for any accident/injury/loss occurred to his worker during execution of the above work.

11. The Industry will deduct @5% towards Security deposit which shall be refunded without interest after satisfactory performances of the work & after closure of crushing season 2022-23.
12. Income tax as per Government rules will be deducted from the bill amount.
13. The contractor has to submit zerox copy of insurance paper of labourers within seven days on the receipt of the work order.
14. You are to abide by relevant labor laws as required and submit a copy of valid labour license within a week after receipt of work order failing which the work order will be cancelled.
15. The tenderer has to submit the passport size photographs of the labourers to be engaged in the Security Office of the Industry to issue the Identity card for identification at factory gate.
16. The Authority also reserves the right to terminate/cancel the work order at any stage in case you fail to meet the above indicated conditions and the EMD shall be forfeited.
17. Suitable accommodation will be provided to your labour during the period of contract jobs.
18. The term & conditions laid down in the tender call notice shall form a part of this terms & conditions.

BT
8.4.22
Chief Engineer

ITEM NO.	DESCRIPTION	SIZE	SPECIFICATIONS	QTY.
1	TUBE NO. 40, 40A	101.6 O.D. X4.06 THK X816 lg.	BS 3050 GR 360	1 NO. EACH
2	TUBE NO. 41, 41A	101.6 O.D. X4.06 THK X2195 lg.	DS 1059 GR 360	1 NO. EACH
3	TUBE NO. 42, 42A	101.6 O.D. X4.06 THK X3007 lg.	FS 3059 GR 360	1 NO. EACH
4	TUBE NO. 43, 43A	101.6 O.D. X4.06 THK X4215 lg.	BS 3059 GR 360	1 NO. EACH
5	TUBE NO. 44, 44A	101.6 O.D. X4.06 THK X5277 lg.	BS 3059 GR 360	1 NO. EACH
6	TUBE NO. 45, 45A	101.6 O.D. X4.06 THK X6409 lg.	BS 3059 GR 360	1 NO. EACH
7	U-BEND FOR S.H.	50 I.R.O.D. X3.66	SA-213 GR. T11 CO/SH/ES	10 NOS.

DESIGN DATA:
 1. CODE OF MANUFACTURE: I.B.K. 1956 B.H.9
 LATEST AMENDMENT.
 2. INTENT: WORKING PRESSURE: 36 KG/CM². (RELIEF TUBES)
 (REL. TO 0.511)
 3. MAX. METAL TEMP. 430°C (S.H.)
 4. RADIUS GRAPH: AS PER I.B.K.

NOTE:
 ALL RELIEF TUBE BENDING RADII ARE 300 M.M. EXCEPT DETAIL "X" WHICH IS 151 M.M.
 S.H. BEND RADII IS 76.2 M.M.
 WJ REPRESENTS WELDING JOINTS.
 WELD JOINTS IF ANY ARE PROVISIONAL.
(electrolytic) welded with 3059 GR. 360.
 S.I.108 *Co*
 S.I.1198

SIGN. OF MANUFACTURER'S REPRESENTATIVE

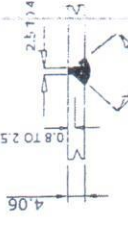
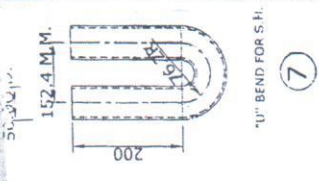
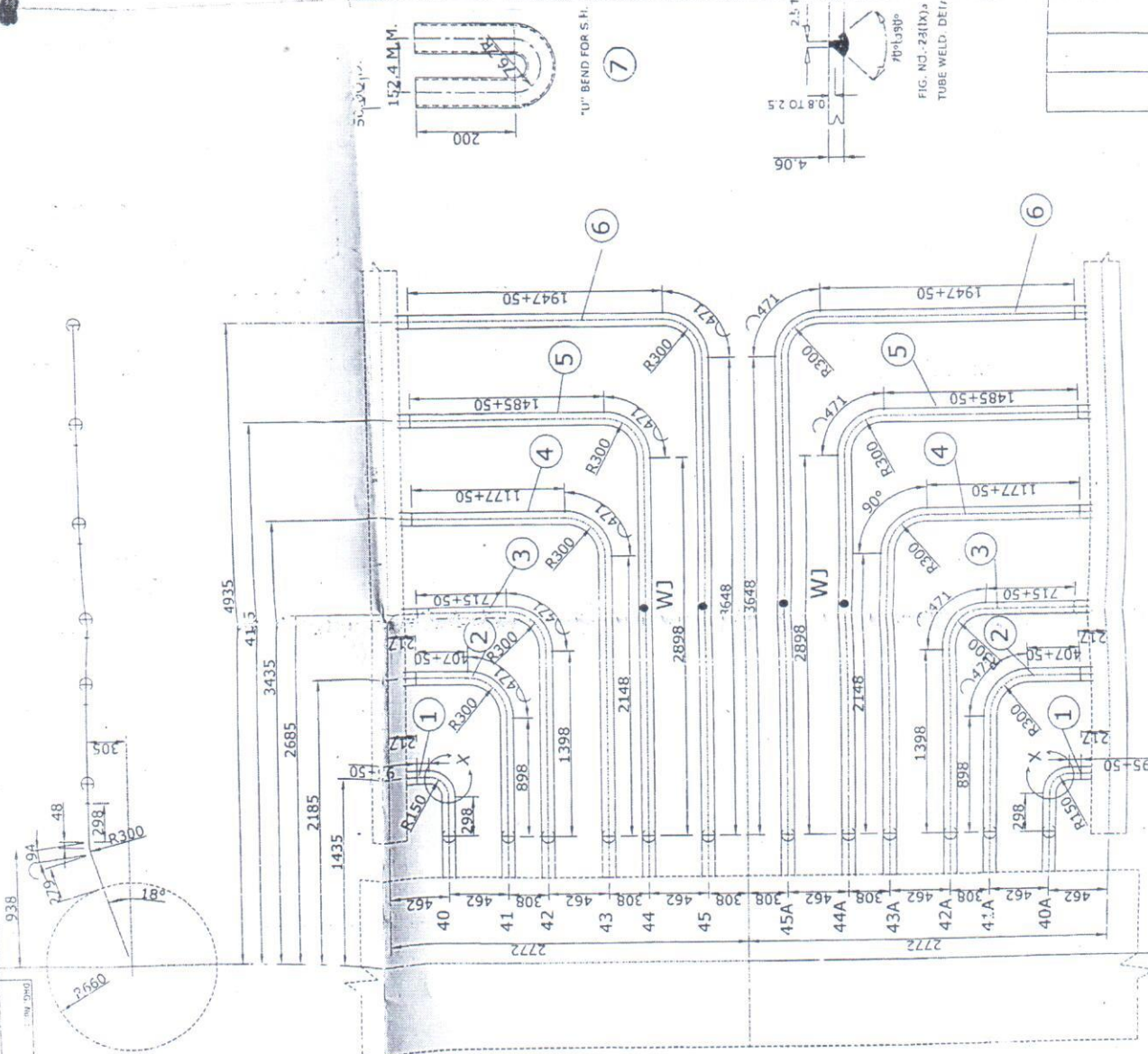


FIG. NO. 23(IX)
TUBE WELD. DET.

SPACE FOR STATUTORY APPROVAL

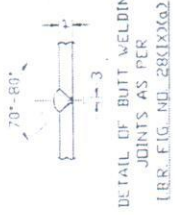
ASKA CO-OPERATIVE SUGAR INDUSTRIES LTD.

ISSUED BY: ASKA
 DESIGN: S. S. HALLIC
 S. S. HALLIC
 DATE: 12/07/04

TITLE: RELIEF TUBES FOR S.H. BENDS FOR B.I.R. REGD. NO. ...

DWG NO. BS - 1001/04

NO.	REV.	DESCRIPTION	DATE
1	REV.	AS PER I.B.K.	12/07/04



DETAIL OF BUTT WELDING JOINTS AS PER I.B.R., FIG. NO. 28(X)X(2)

1	TUBE DESCRIPTION	SIZE	950 Meter	QTY.
	508 OD X 9.56 THK			

BILL OF MATERIAL

SPECIFICATION OF MATERIAL -

1. TUBE: 508 MM OD X 9.56 THK, CONFORMING TO SA 213 OR, I-11.
2. MIN. TENSILE STRENGTH OF MATERIAL IS AS PER I.B.R.
3. ALL DIMENSIONS ARE IN MM. OTHER WISE STATED.
4. ALL WELDING JOINTS ARE AS PER I.B.R.

SERVICE CONDITION -

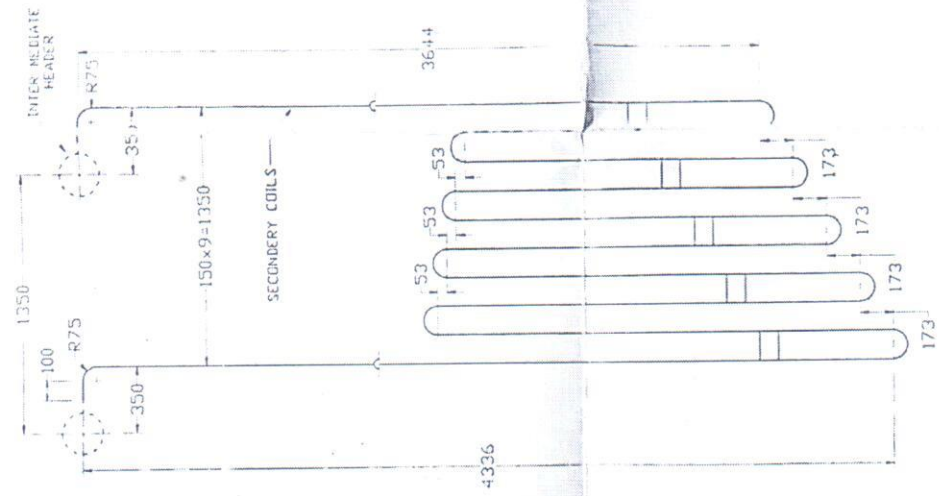
MAX. WORKING PRESSURE :- 36.0 KG/50.CM
 MAX. HD. TESTING PRESSURE: 54.0 KG/50.CM
 MAX. WORKING TEMPERATURE :- 360°C +/- 15°C

APPROVED
 CHIEF INSPECTOR OF BOILERS
 HARYANA, CHARGED WITH

Inspector of Boilers
 Haryana, Faridkot

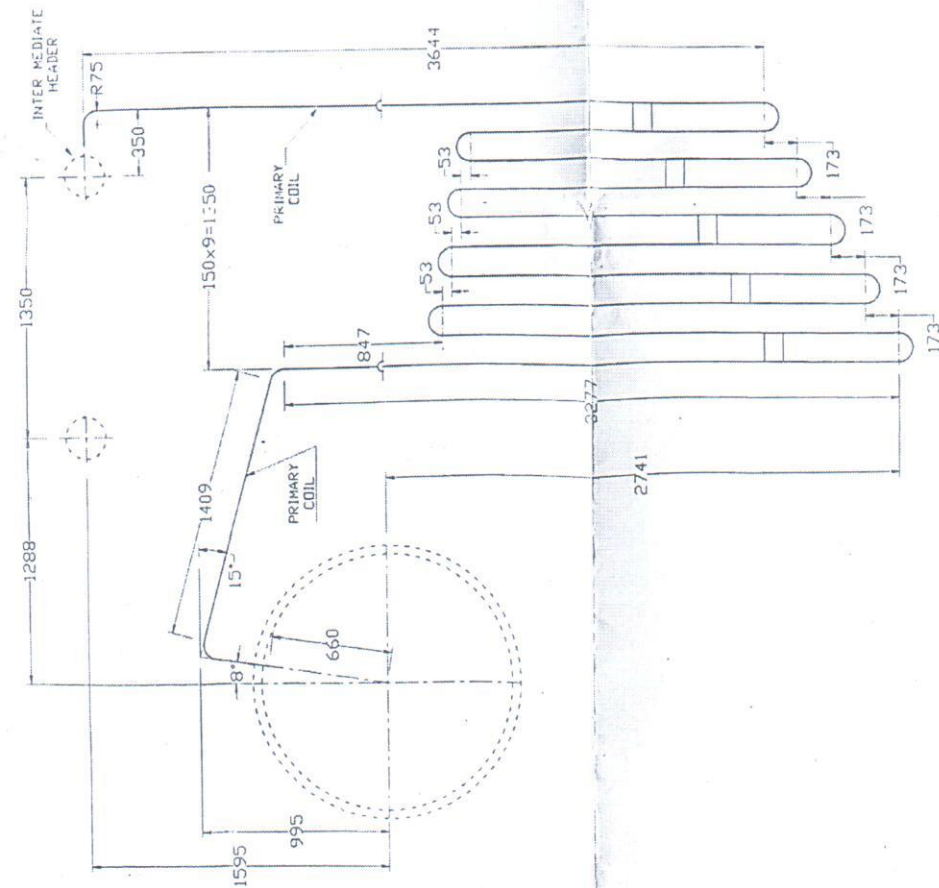
For Himani Boiler & Pressure Equipments
 JAH/118/331

CLIENT: THE ASKA CO-OP. SUGAR INDUSTRIES LTD., ASKA (ORISSA)
 JOB NO.: 113/828
 TITLE: SUPER HEATER COILS (W/L BOILER)
 SCALE: DR-WN
 NTS: CHECKED ✓
 REF. DRG. NO.: 75029
 DRG. NO. IIB/S. 7/828
 HIMANI HIRANI BOILER & PRESSURE EQUIPMENTS
 SONIPAT-131001 (H.R.)



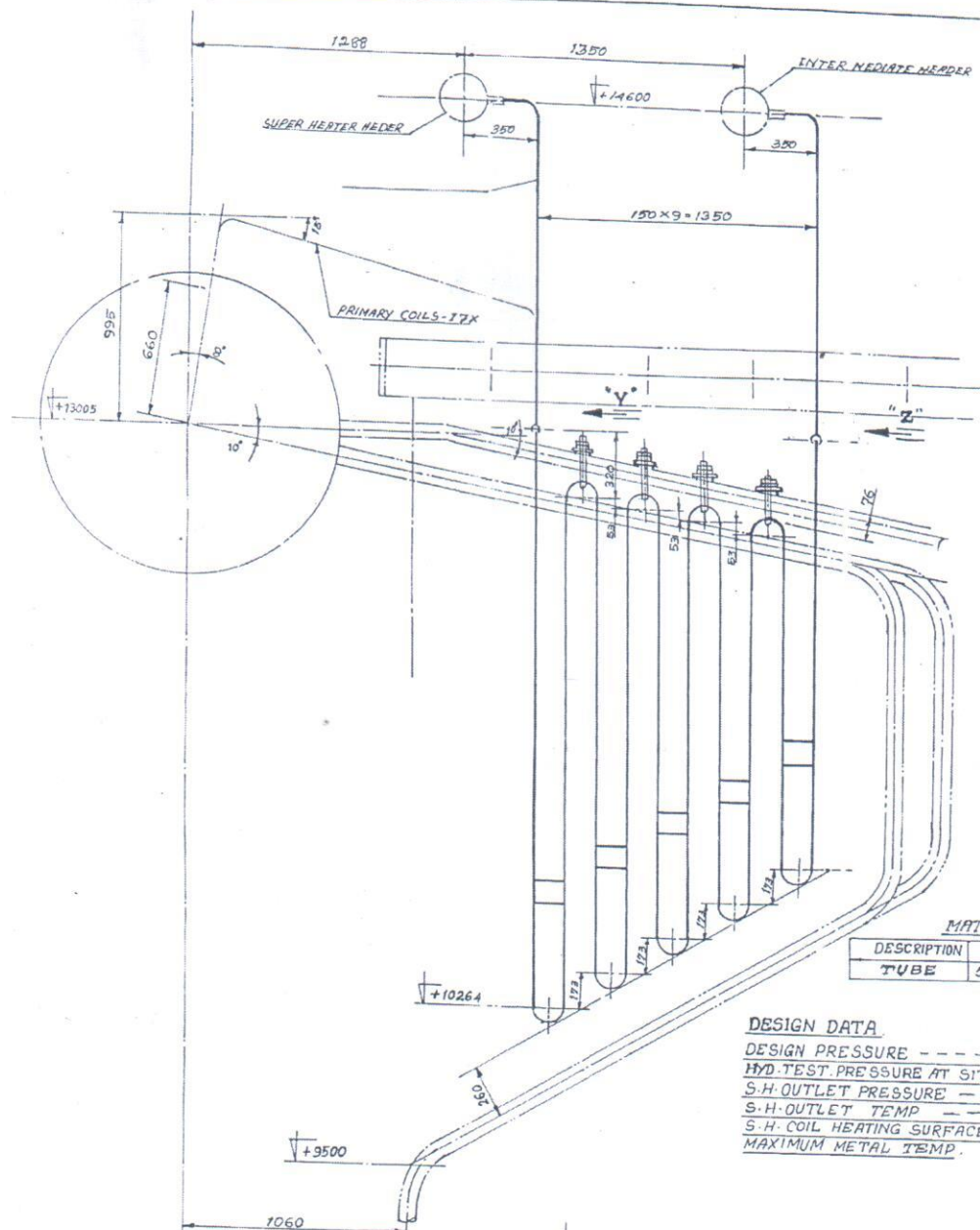
SECONDARY SUPER HEATER COILS

QTY. = 17 NOS.



PRIMARY SUPER HEATER COILS

QTY. = 17 NOS.

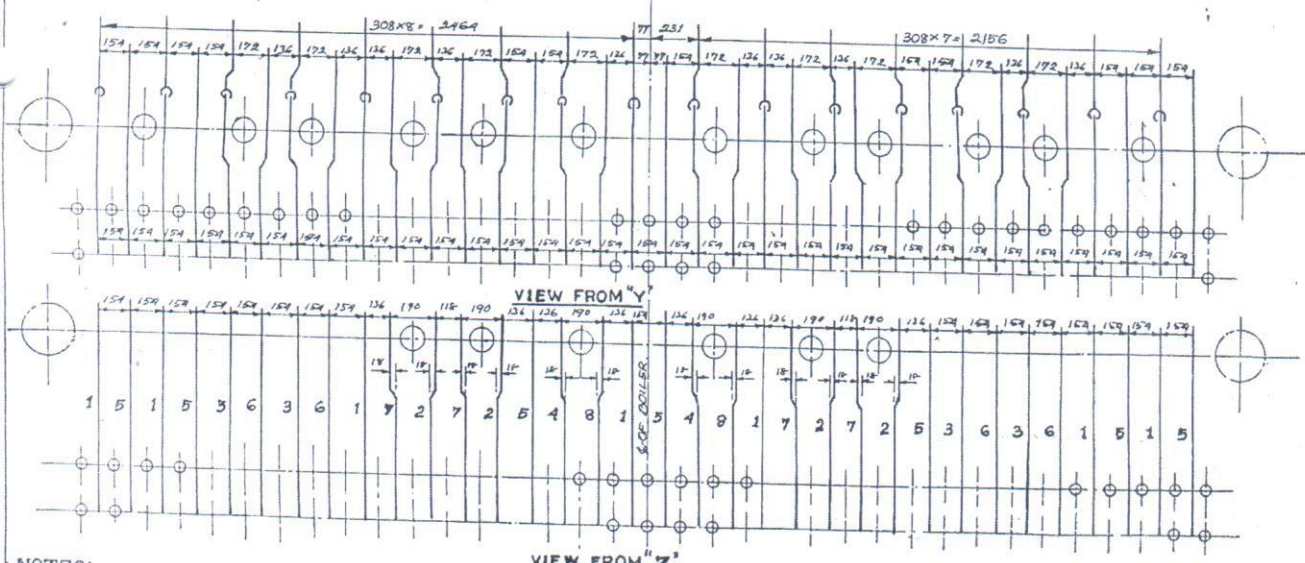


MATERIAL SPECIFICATION.

DESCRIPTION	O-D	THICKNESS	QUALITY
TUBE	50.8	9G (0.66 THK)	S.A. 213a-TT1 CSFANDOR 12M

DESIGN DATA.

DESIGN PRESSURE ----- 36.00 KG./CM² G.
 HYD. TEST PRESSURE AT SITE --- 54.00 KG./CM² G.
 S.H. OUTLET PRESSURE ----- 32.00 KG./CM² G.
 S.H. OUTLET TEMP ----- 380°C ± 15°C
 S.H. COIL HEATING SURFACE --- 120 M²
 MAXIMUM METAL TEMP. FOR PRIMARY --- 365°C.
 FOR SECONDARY --- 430°C.

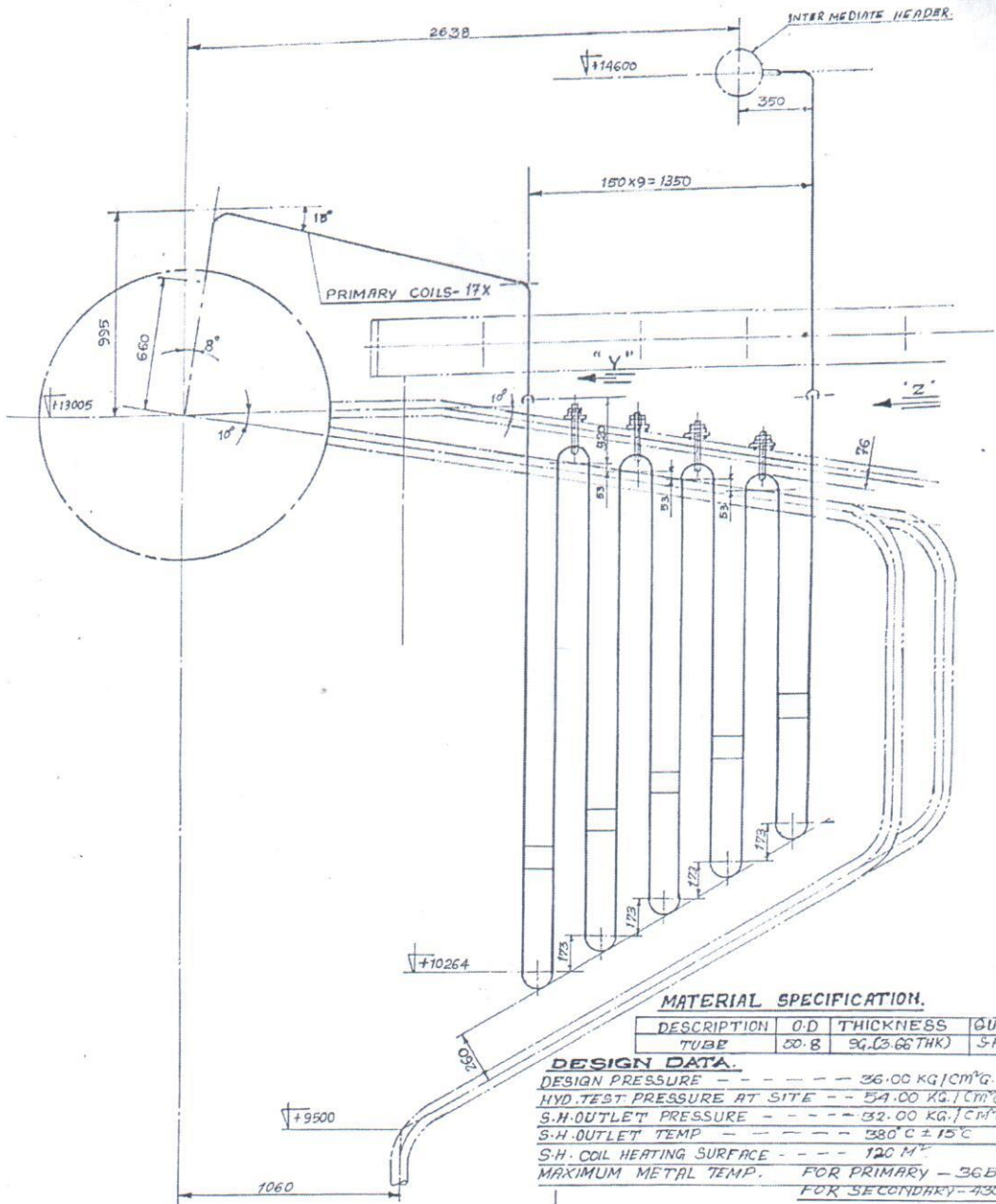


- NOTES:-**
- ALL TUBE ENDS SHOULD BE THOROUGHLY CLEANED FROM INSIDE AND OUTSIDE ENDS SHOULD BE FREE FROM BURR.
 - MATERIAL CONSTRUCTION AND DESIGN AS PER I.S.O. CLAUSE R-831-1363 E AND ITS LATEST AMMEND-MENTS.
 - ALL BENDING RADI OF S.H. COILS 75 m.m.
 - END 'B' TO BE ANNEALED UP TO 100 m.m. FOR TUBE EXPANDING.
 - D. NO. 10 TO 1G ISSUED UNDER JOB. NO. 030 20 IN SP. S. NO. 18537.
 - FOR PRIMARY COIL REF DRG. NO 2BL - 40486.
FOR SECONDARY COIL REF DRG. NO. 2BL - 40487.

THE ASKA CO-OPERATIVE SUGAR INDUSTRIES LT'S.

ASSEMBLY OF SUPER HEATER COILS.

SCALE - 1:15	DATE - 29/04/09	DRG-NO - 749/09
TRACED.	<i>RR</i>	APPROVED.
CHECKED.	<i>BA 20/5/09</i>	<i>C</i>

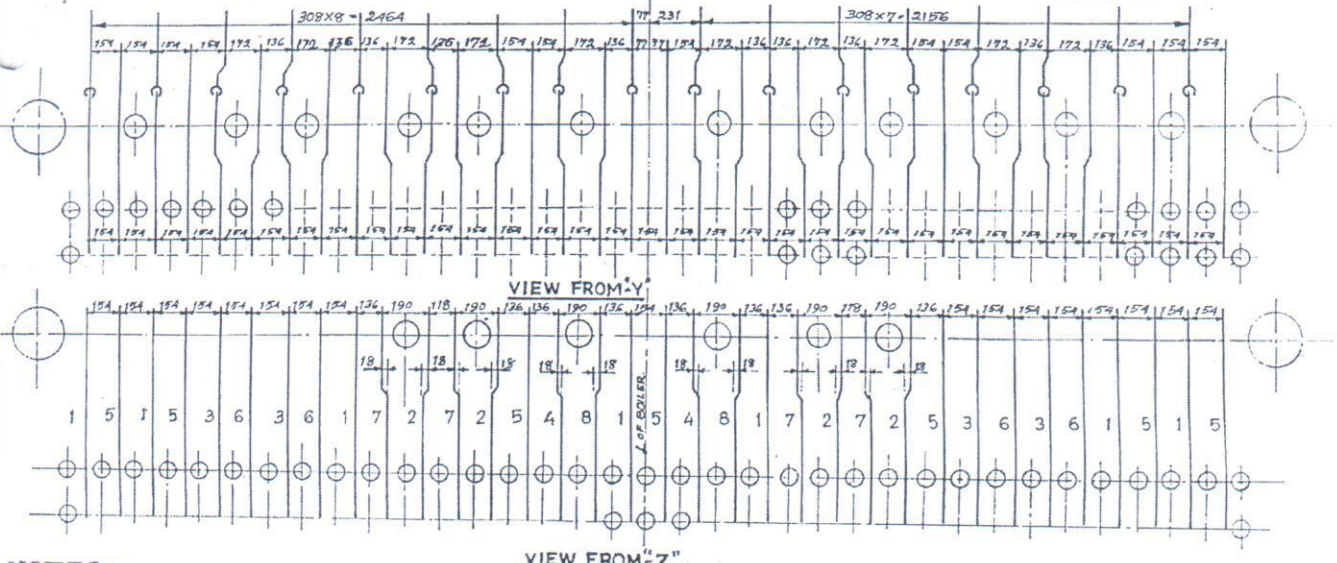


MATERIAL SPECIFICATION.

DESCRIPTION	O.D.	THICKNESS	QUALITY.
TUBE	50.8	9G.(3.66THK)	SA-213 or 7H(CSEFM) OR EQUI.

DESIGN DATA.

DESIGN PRESSURE --- 36.00 KG/CM²G.
 HYD. TEST PRESSURE AT SITE --- 54.00 KG/CM²G.
 S.H. OUTLET PRESSURE --- 32.00 KG/CM²G.
 S.H. OUTLET TEMP --- 330°C ± 15°C
 S.H. COIL HEATING SURFACE --- 120 M²
 MAXIMUM METAL TEMP. --- FOR PRIMARY - 365°C.
 --- FOR SECONDARY - 430°C

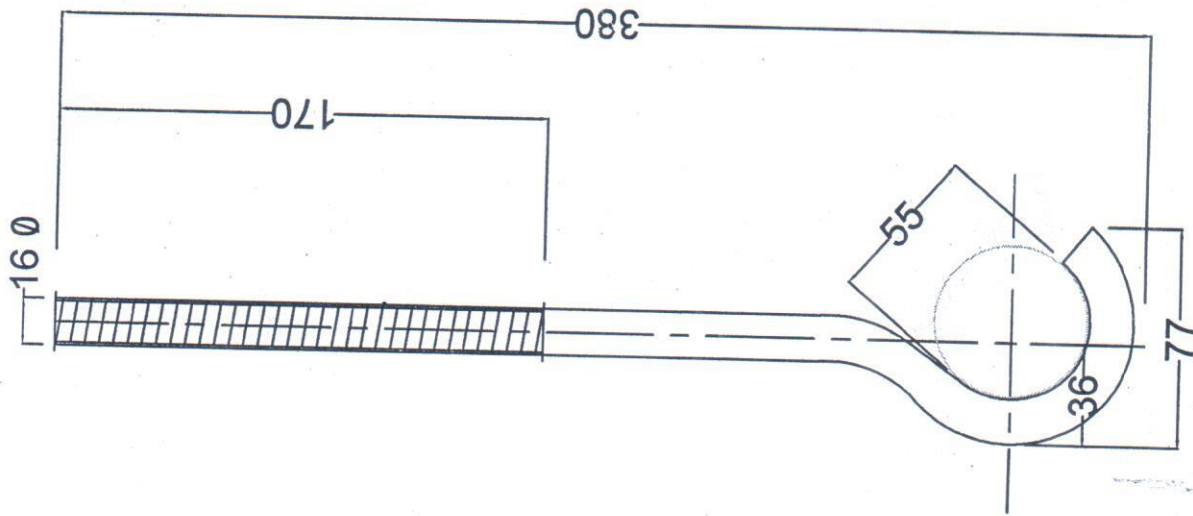


NOTES:-

1. ALL TUBE ENDS SHOULD BE THOROUGHLY CLEANED FROM INSIDE AND OUTSIDE ENDS SHOULD BE FREE FROM BURR.
2. MATERIAL CONSTRUCTION AND DESIGN AS PER I.S.O. CLAUSE R-831-1368 E. AND ITS LATEST AMENDMENTS.
3. ALL BENDING RADIUS OF S.H. COILS 75 mm.
4. END '3' TO BE ANNEALED UP TO 100 mm FOR TUBE EXPANDING.
5. P.N.O-10 TO 16 ISSUED UNDER JOB. NO. 530-20 IN SP. S.NO-18537.
6. FOR PRIMARY COIL REF. DRG. NO. 2BL-40486.
FOR SECONDARY COIL REF. DRG. NO. 2BL-40487.

THE ASKA CO-OPERATIVE SUGAR INDUSTRIES LTD.
ASSEMBLY OF SUPER HEATER COILS.

SCALE - 1:15	DATE - 22/04/09	DRG NO - 750/09 (A)
TRACED.	<i>[Signature]</i>	APPROVED.
CHECKED.	<i>[Signature]</i> 20/5/09	<i>[Signature]</i> 28/5/09



NOTES :-

- 1) 16 MM DIA SS- 304 HOOK WITH SS - 304 NUT AND SS WASHER
M16 X 3MM THK.

THE ASKA CO-OP SUGAR INDUSTRIES LTD., NUAGAM, ASKA

SUPER HEATER COIL SS-304 HOOK FOR OR - 529 BOILER

SCALE : N.T.S

DATE - 22/05/2019

DRG. NO :- 442 / 19

DRAWN

APPROVED

CHECKED

[Signature]
ASST. ENGINEER

[Signature]
25/5/19
CHIEF ENGINEER