

NARAINGARH SUGAR MILLS LTD., SHAHZADPUR, TEH. NARAINGARH

Detailed Notice Inviting Tender

Tender is invited for below mentioned items / jobs:-

Sr. No.	Description of items / jobs	EMD to be deposited INR.	Start Date & Time of Bid Preparation & Submission	Expiry Date & Time of Bid Preparation & Submission
1.	Supply of ESP material and maintenance work	1,10,000/-	23.06.25 at 03:00 PM	05.07.25 upto 03:00 PM

Under this process, the Pre-qualification / Technical bid Application as well as Commercial Bid are invited at single stage under two covers i.e. Pre-qualification / Technical & Commercial Envelope. Eligibility and qualification of the Applicant will be first examined based on the details submitted under first envelope (Pre-qualification / Technical) with respect to eligibility and qualification criteria prescribed in this Tender document. The Commercial bid under the second envelope shall be opened for only those Applicants whose Pre-qualification / Technical bid Applications are responsive to eligibility and qualifications requirements as per Tender document.

- **Earnest Money:** The party will deposit the earnest money (mentioned above in table) by RTGS/NEFT before expiry date. The tender will not be accepted without earnest money.

- **Bank details for Earnest Money:**

Name: Naraingarh Sugar Mills Ltd.

Bank A/c No. 913020056279987

Bank Name: Axis Bank Ltd.

Branch Name: Banaundi BNU HR, Banaundi-134202

IFSC Code: UTIB0002249

Note: The bids shall be submitted in two separate envelopes.

Signature of the party with seal

Name of the party: _____

Address: _____

Contact No. _____

NARAINGARH SUGAR MILLS LTD., SHAHZADPUR, TEH. NARAINGARH

• Envelope 1: Pre-Qualification / Technical Bid

Sr. No.	MATERIAL DESCRIPTION	Qty.	UOM
1.	Mechanical		
a.	<u>Collecting Electrodes with HT fasteners</u> MOC = As per ESP standard Length = 8972 mm Width = 500 mm Thickness = 1.20 mm (Sizes as per drawing) SIPL-ESP-NSM-CE-001	440	Nos.
b.	<u>Emitting rod</u> MOC = As per ESP standard Length = 9930 mm OD = 50mm Thickness = 2 mm	100	Nos.
c.	<u>Bottom Hanger for Collecting electrodes</u> (Sizes as per drawing) SIPL-ESP-NSM-CE-004	30	Nos.
d.	<u>Hyploon Boot Seal with SS clamp</u> Size: ID1=75 mm, ID2=50 mm, Length=100 mm	25	Nos.
e.	<u>Purge Air Filter</u> Size: 435x435 mm (L x W)	04	Nos.
f.	<u>FRP Rod</u> Size: Length=1050mm, Dia.= 50.8 mm	12	Nos.
2.	Electrical		
a.	HMI (TP07) SR-AD-TP-HOJNC 03600, with programming & testing Make Autodata (For Panel part No.482-3151-03, Input Voltage 415V AC, No of Rappers 57)	01	No.
b.	<u>SS heater 0.5 KW (Metal)</u> For ESP Hopper Make: Any Standard	12	Nos.
c.	Diode 85 HMR150WL (M8) Make: Ruttonsha	40	Nos.
d.	ESP Support Insulator, Height 620mm lump-Sum, Outer dia 510mm lump-sum, Voltage 120KV DC, Temperature 390 degree Celsius.	01	No.
e.	Ador Powertron make Retrofit Kit consisting of Microprocessor based PRECICON-R controller & necessary retrofitting conversion kit for changing the existing old controller (PRECICON-III to PRECICON-R controller)	01	Set

Note: HMI testing work will be carried out on site (Naraingarh Sugar Mills Limited).

Sr. No.	SCOPE OF WORK
1	ESP FIELD NO.2&3 COLLECTING ELECTRODES REPLACEMENT WORK.
2	ESP ALL INSULATOR SCREEN TUBES TO BE CHECKED & REPAIRED.
3	ESP ROOF DAMAGED PLATE REPLACEMENT/REPAIR WORK. (Avoid rain water storage at ESP top)
4	ESP FIELD NO.1 DAMAGED COLLECTING PLATES TO BE REPAIRED & ARRESTED.
5	ESP ALL THREE FIELD DAMAGED EMITTING ELECTRODES TO BE CHECKED, REPAIRED & ARRESTED.
6	ESP FLUE GAS INLET & OUTLET NOZZLE & DUCTING REPAIR/REPLACEMENT WORK.
7	ESP DAMAGED INSPECTION DOORS REPAIR WORK.
8	ESP DAMAGED CASING PLATE REPAIR WORK.
9	ESP FLUE GAS INLET & OUTLET GAS DISTRIBUTION SCREENS REPAIR WORK
10	ALL THREE FIELDS ALIGNMENT WORK.
11	DAMAGED RAPPER COIL HYPLOON BOOT SEAL REPLACEMENT
12	ESP INLET AND OUTLET NOZZLE EXPANSION BELLOWS REPAIR WORK.
13	ALL RAPPERS & RAPPER PANEL WORKING MECHANISM TO BE CHECKED AND REPAIR
14	ALL ELECTRICAL EQUIPMENTS (TRANSFORMAERS, TRANSFORMR CONTROL PANEL, HEATERS, RAPPERS, CONTROL PANELS, INSULATORS ETC.) CLEANING AND TESTING WORK.
15	MISC. REPAIR WORK FOUND DURING INSPECTION & MAINTENANCE WORK TO DONE.
16	ESP ALL HOPPER HEATERS TO BE REPLACE WITH SS HEATER.
17	PROVIDED ESP Door lock AND INTALLED AND COMISSIONING.
18	MIN GAP BETWEEN COLLECTING AND EMITTING (FIELD-1,2,3) MASUERMENT WORK AND REPORT SUBMIT TO NSML
19	NUMBER OF SAMPLING PORT HOLES & THEIR SIZES AT ESP INLET & ESP OUTLET W.R.T. PERFORMANCE TEST CODE. NORMALLY, THE SAMPLING PORTS SHALL BE MADE IN STRAIGHT DUCT / STACK LENGTH OF 8D DOWNSTREAM AND 2D UPSTREAM TO AVOID ANY FLOW DISTURBANCE / TURBULENCES. WORK TO BE DONE
20	AVOID CONDENSABLE AIR MIXING IN ESP INLET FLUE GAS, WORK TO BE DONE.
21	ALL INSULATOR HEATERS IN SIDE OF PENT HOUSE TO BE REPLACED. (HEATER TO JB).
22	ALL DAMAGED CABLE (CONTROL PANEL TO EQUIPMENT'S TO BE CHECKED AND REPLACED)

Following point to be test and report submit to NSML:

1. GD test velocity mapping to achieve uniform gas distribution, for best performance
2. Gas Tightness / Leak test of ESP assembly & casing
3. No Air Ingress in ESP from Manhole, Door, Air lock Valve, Peep hole
4. ESP all transformer complete test as per IS standard.
5. All Control panel (transformer control panel, rapper control and distributor panel etc). test and if damaged any equipment's within warranty period replace free of cost on urgent basis.

6. All rapper lifting and rapping test.
7. Proper No load Test and Load Test to be ensured by contractor.
8. Proper testing of ESP after completion (Mechanically and Electrically) of work to be ensured by contractor.

Note:-

1. All required Tools & Tackles (Hand-Lamps, Welding Machine, Grinding Machine, Drill etc.) in contractor Scope.
2. From ESP Inlet cone expansion bellow to outlet cone expansion bellow job area in your scope.
3. All necessary scaffolding work and material in your scope.
4. One three phase four wire electrical supply point provide by NSML for work).
5. Contractor is responsible for any kind of damage/accident during work completion.
6. Supplier shall not employ any person below age of 18 years old.
7. Warranty of one crushing season of all above works.

- **Bid shall be accepted on the basis of above mentioned specifications.**

The bidders shall submit the required eligibility documents in the Pre-qualification / Technical Bid having following documents.

Information /documents to be attached by the tenderers with the Pre-qualification / Technical Bid where ever is applicable.

- 1) Copy of latest three year purchase / work order of firms / companies for the same type of materials /Jobs.
- 2) Certificate of authorized dealership of particular material, if party is authorized.
(For supplier only)
- 3) Certificate from the proprietor/partner/firm authorizing firm's representative to sign/participate in opening and negotiation of the tender (signature duly attested).
- 4) Copy of Sales Tax/GST registration number.
- 5) Copy of PAN Card.
- 6) The information i.e. Firm/Company Name, Complete Address, Contact person, Mobile No. & e-mail ID to be attached.
- 7) EMD or RTGS/NEFT details.

In case of Non-attachment of the above (wherever is applicable) this bid shall be rejected.

Declaration:-

We declare that we have put up the commercial bid as per format & no change in conditions has been mentioned, the conditions mentioned there in are acceptable to us.

☐

Please tick

Signature of the party with seal

Name of the party: _____

Address: _____

Contact No. _____

NARAINGARH SUGAR MILLS LTD., SHAHZADPUR, TEH. NARAINGARH

• Envelope 2: Commercial Bid

The bidders shall quote the prices in Commercial bid format under
(COMMERCIAL BID TO BE SUBMIT)

Sr. No.	MATERIAL DESCRIPTION	Qty.	Unit	Unit Rates INR.
1.	Mechanical			
a.	<u>Collecting Electrodes with HT fasteners</u> MOC = As per ESP standard Length = 8972 mm Width = 500 mm Thickness = 1.20 mm (Sizes as per drawing) SIPL-ESP-NSM-CE-001	440	Nos.	
b.	<u>Emitting rod</u> MOC = As per ESP standard Length = 9930 mm OD = 50mm Thickness = 2 mm	100	Nos.	
c.	<u>Bottom Hanger for Collecting electrodes</u> (Sizes as per drawing) SIPL-ESP-NSM-CE-004	30	Nos.	
d.	<u>Hyplooon Boot Seal with SS clamp</u> Size: ID1=75 mm, ID2=50 mm, Length=100 mm	25	Nos.	
e.	<u>Purge Air Filter</u> Size: 435x435 mm (L x W)	04	Nos.	
f.	<u>FRP Rod</u> Size: Length=1050mm, Dia.= 50.8 mm	12	Nos.	
2.	Electrical			
a.	<u>HMI (TP07) SR-AD-TP-HOJNC 03600,</u> <u>with programming & testing</u> Make Autodata (For Panel part No.482-3151-03, Input Voltage 415V AC, No of Rappers 57)	01	No.	
b.	<u>SS heater 0.5 KW (Metal)</u> For ESP Hopper Make: Any Standard	12	Nos.	
c.	Diode 85 HMR150WL (M8) Make: Ruttonsha	40	Nos.	
d.	ESP Support Insulator, Height 620mm lump-Sum, Outer dia 510mm lump-sum, Voltage 120KV DC, Temperature 390 degree Celsius.	01	No.	
e.	Ador Powertron make Retrofit Kit consisting of Microprocessor based PRECICON-R controller & necessary retrofitting conversion kit for changing the existing old controller (PRECICON-III to PRECICON-R controller)	01	Set	

Sr. No.	ESP WORK	Amount INR. Lump-sum
1.	Complete job with terms and conditions mentioned in above technical bid Dismantling, fittings, testing and commissioning of ESP	

Terms & Conditions:-

- 1) Payment terms:-
 - a) For material supply: 30 days after receipt of material subjected to quality approved.
 - b) For job work: 30 days after submission of verified bills subjected to satisfactory completion of work.
- 2) Price will be FOR Naraingarh Sugar Mills Ltd.
- 3) Packing & forwarding charges: - In the scope of supplier / Contractor.
- 4) Please mention the time period of material delivery / job completion in given space under:-**

- 5) SGST/CGST/UGST/IGST will be extra as applicable as per norms (Our GST No.06AAACN0454G1ZV).
- 6) TDS to be deducted as per GST Rules (if applicable).
- 7) It will be mandatory condition, that no employee/his family member / relative can take participate directly or indirectly in BID.
- 8) Presence of BIDDER by self in case of proprietor/ Partner or Authorized person with authority letter in case of partnership/Co. is necessary at the time of opening of tender is must.
- 9) **Liquidated Damages:** Time is the essence of this supply / job. Hence, you shall strictly adhere to the delivery of material / completion of job. You are liable to pay liquidated damages towards late delivery of the material / late completion of job at the rate of 2% of the value of the order for subject supply / job for the delay of every one week subject to the maximum limit of 10% of the value of the Order.
- 10) If at all L-1 party refuses to undertake the job, then purchase committee shall have the right to award the order to second lowest party on the finalized rates in the interest of the Mills.
- 11) Board/Management of the Mills shall have the right to negotiate with other participants also if quoted rates of L-1, L-2 & L-3 party do not seem to be reasonable upto the marks in the interest of the Mills.

12) Rates are to be quoted on the basis of above said terms & conditions.

13) Conditional tender will not be accepted.

14) The undersigned reserves the right to accept or reject any or all the tenders without assigning any reason.

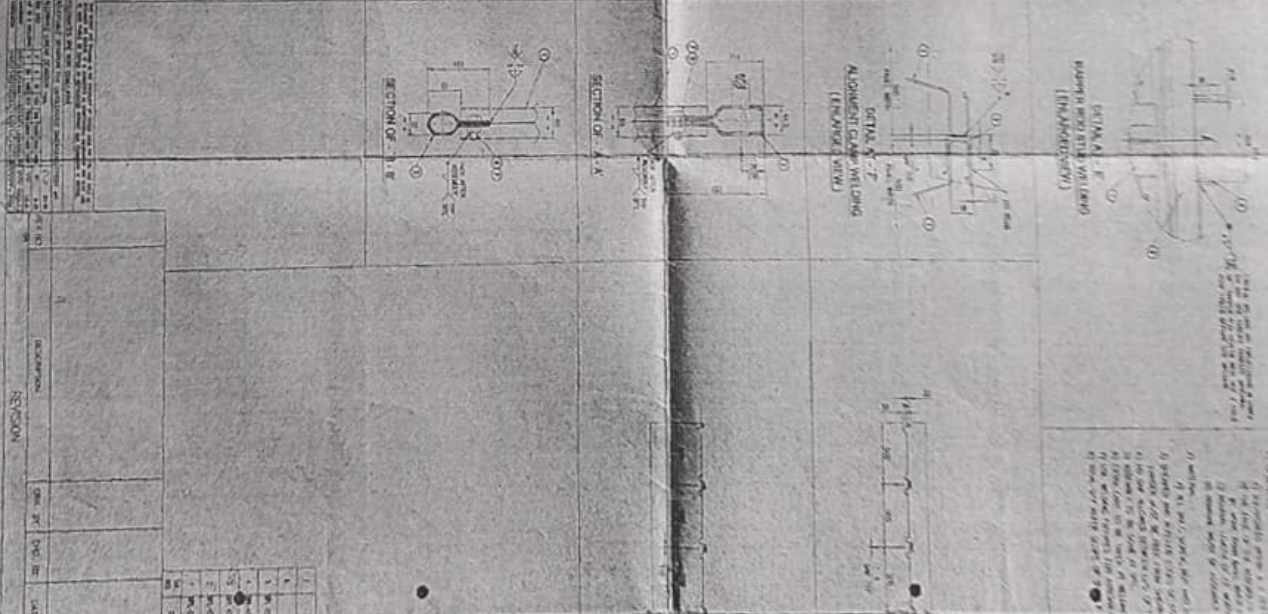
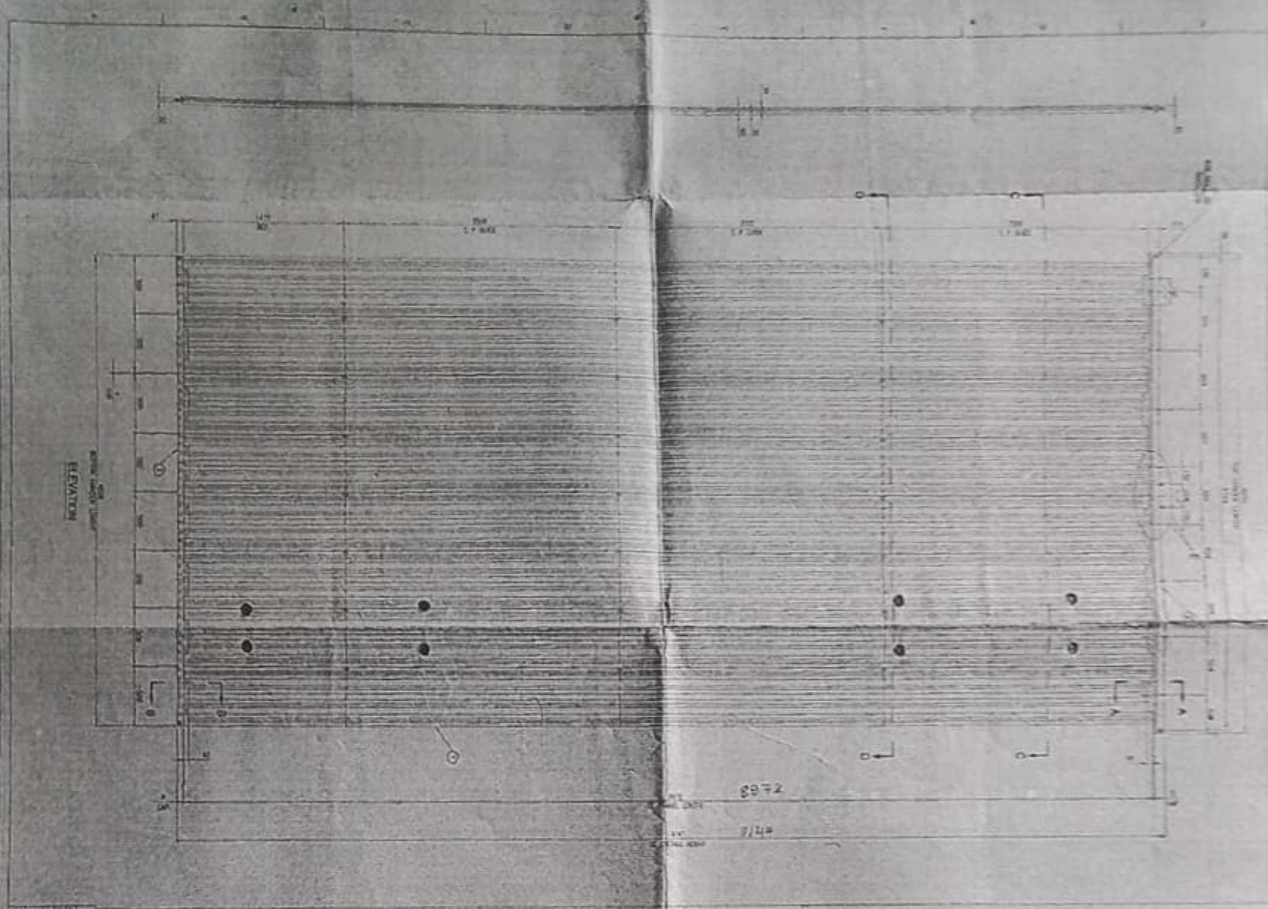
Note: Only Pre-qualification / Technical bid will be open by our technical team for discussion. Parties are invited on opening of commercial bid on dated 08.07.25 at 11:00 AM.

Signature of the party with seal

Name of the party: _____

Address: _____

Contact No. _____

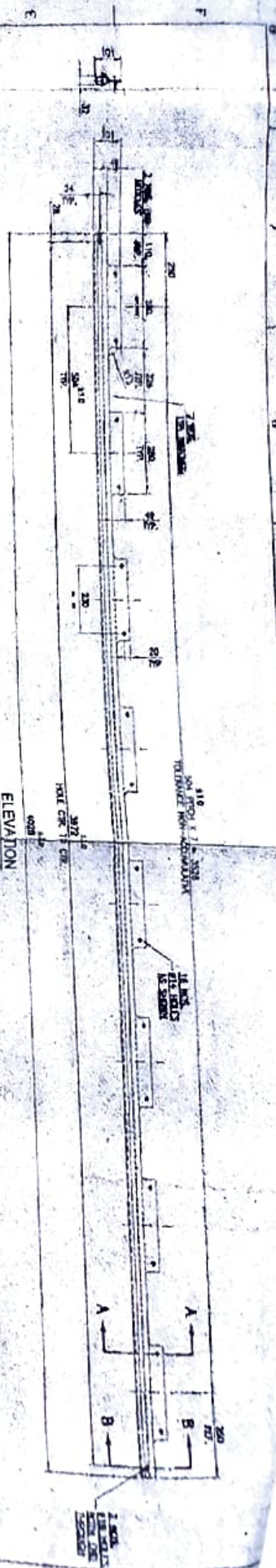


SECTION OF A-A		SECTION OF B-B		SECTION OF C-C	
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	CONCRETE	1	CONCRETE	1	CONCRETE
2	REINFORCEMENT	2	REINFORCEMENT	2	REINFORCEMENT
3	BRICK	3	BRICK	3	BRICK
4	PLASTER	4	PLASTER	4	PLASTER
5	PAINT	5	PAINT	5	PAINT
6	GLASS	6	GLASS	6	GLASS
7	DOOR	7	DOOR	7	DOOR
8	WINDOW	8	WINDOW	8	WINDOW
9	ROOF	9	ROOF	9	ROOF
10	FLOOR	10	FLOOR	10	FLOOR
11	CEILING	11	CEILING	11	CEILING
12	WALL	12	WALL	12	WALL
13	BASE	13	BASE	13	BASE
14	FOUNDATION	14	FOUNDATION	14	FOUNDATION
15	ANCHOR	15	ANCHOR	15	ANCHOR
16	REINFORCEMENT	16	REINFORCEMENT	16	REINFORCEMENT
17	BRICK	17	BRICK	17	BRICK
18	PLASTER	18	PLASTER	18	PLASTER
19	PAINT	19	PAINT	19	PAINT
20	GLASS	20	GLASS	20	GLASS
21	DOOR	21	DOOR	21	DOOR
22	WINDOW	22	WINDOW	22	WINDOW
23	ROOF	23	ROOF	23	ROOF
24	FLOOR	24	FLOOR	24	FLOOR
25	CEILING	25	CEILING	25	CEILING
26	WALL	26	WALL	26	WALL
27	BASE	27	BASE	27	BASE
28	FOUNDATION	28	FOUNDATION	28	FOUNDATION
29	ANCHOR	29	ANCHOR	29	ANCHOR
30	REINFORCEMENT	30	REINFORCEMENT	30	REINFORCEMENT
31	BRICK	31	BRICK	31	BRICK
32	PLASTER	32	PLASTER	32	PLASTER
33	PAINT	33	PAINT	33	PAINT
34	GLASS	34	GLASS	34	GLASS
35	DOOR	35	DOOR	35	DOOR
36	WINDOW	36	WINDOW	36	WINDOW
37	ROOF	37	ROOF	37	ROOF
38	FLOOR	38	FLOOR	38	FLOOR
39	CEILING	39	CEILING	39	CEILING
40	WALL	40	WALL	40	WALL
41	BASE	41	BASE	41	BASE
42	FOUNDATION	42	FOUNDATION	42	FOUNDATION
43	ANCHOR	43	ANCHOR	43	ANCHOR
44	REINFORCEMENT	44	REINFORCEMENT	44	REINFORCEMENT
45	BRICK	45	BRICK	45	BRICK
46	PLASTER	46	PLASTER	46	PLASTER
47	PAINT	47	PAINT	47	PAINT
48	GLASS	48	GLASS	48	GLASS
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50	WINDOW	50	WINDOW	50	WINDOW
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52	FLOOR	52	FLOOR	52	FLOOR
53	CEILING	53	CEILING	53	CEILING
54	WALL	54	WALL	54	WALL
55	BASE	55	BASE	55	BASE
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57	ANCHOR	57	ANCHOR	57	ANCHOR
58	REINFORCEMENT	58	REINFORCEMENT	58	REINFORCEMENT
59	BRICK	59	BRICK	59	BRICK
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62	GLASS	62	GLASS	62	GLASS
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64	WINDOW	64	WINDOW	64	WINDOW
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66	FLOOR	66	FLOOR	66	FLOOR
67	CEILING	67	CEILING	67	CEILING
68	WALL	68	WALL	68	WALL
69	BASE	69	BASE	69	BASE
70	FOUNDATION	70	FOUNDATION	70	FOUNDATION
71	ANCHOR	71	ANCHOR	71	ANCHOR
72	REINFORCEMENT	72	REINFORCEMENT	72	REINFORCEMENT
73	BRICK	73	BRICK	73	BRICK
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75	PAINT	75	PAINT	75	PAINT
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82	WALL	82	WALL	82	WALL
83	BASE	83	BASE	83	BASE
84	FOUNDATION	84	FOUNDATION	84	FOUNDATION
85	ANCHOR	85	ANCHOR	85	ANCHOR
86	REINFORCEMENT	86	REINFORCEMENT	86	REINFORCEMENT
87	BRICK	87	BRICK	87	BRICK
88	PLASTER	88	PLASTER	88	PLASTER
89	PAINT	89	PAINT	89	PAINT
90	GLASS	90	GLASS	90	GLASS
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93	ROOF	93	ROOF	93	ROOF
94	FLOOR	94	FLOOR	94	FLOOR
95	CEILING	95	CEILING	95	CEILING
96	WALL	96	WALL	96	WALL
97	BASE	97	BASE	97	BASE
98	FOUNDATION	98	FOUNDATION	98	FOUNDATION
99	ANCHOR	99	ANCHOR	99	ANCHOR
100	REINFORCEMENT	100	REINFORCEMENT	100	REINFORCEMENT

Ph. NO. 512-ESF-NSM-CE-001

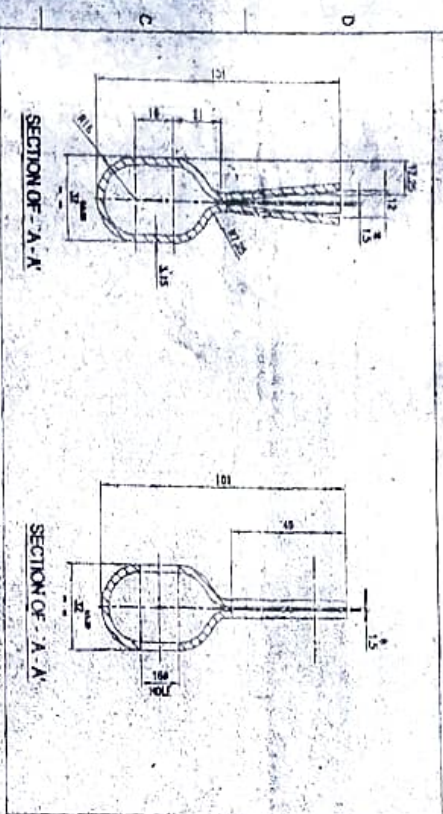
50.5.15

IF IN DOUBT, ASK



STRENGTH

ELEVATION



NOTES

- 1) STRAIGHTNESS AND THICK TOLERANCE - 1.6 mm IN 2 M
- 2) SURFACES MUST BE FREE OF RUST AND CONTAMINATION SUCH AS METAL CHIPS OR SPOTS SURFACES MUST BE SUITABLE FOR SPOT WELDING UPON ARRIVAL AT DESTINATION
- 3) MATERIAL: 10. SMC - SHEET, IS:1079, GR - 0
- 4) DEBURR ALL HOLES/SCOTS/SHARP EDGES
- 5) THE JOB WILL BE IN THIS CONDITION AFTER BOILING WITH COLLECTING PLATE AT SITE AFTER PRESSING THE EDGES CAN BE APART IN NON UNIFORM WAY.
- 6) NO PAINTING, APPLY RUST PREVENTIVE OIL - RUSTED 650 /-TECHT
- 7) SO6/RUST PREVENTIVE OIL- AND MAX. THICKNESS = 100 MICRONS
- 8) FOR GENERAL FABRICATION NOTES & TOLERANCES SEE DOC NO.: SGT-001

CONTROLLED COPY
Only in Blue

426-AUG-2013

01	3-ELI	total up to 1.15 m, 200 x 400 mm	1	21.31
02	3-ELI	total up to 1.15 m, 200 x 400 mm	1	21.31



FILE

CE BOT TOM HANGER DETAILS

LENGTH - 4028

CLIENT:

NARAINGARH SUGAR MILLS LTD

NAME	DATE		BOILER NO.	EQP. NO.
DRN. POLICEMEN	20/08/13			
CHD. N.D. JAPAN	22/08/13		JOB NO.	
APRD. N.D. JAPAN	22/08/13			
SCALE				
1:12				

BITSON INDIA PVT. LTD

W/78, M.D.C. PHASE-2, DOMERU (EAST) 421, 204
DIST-TTMC KALHAYDRA STATE
PHONE-(0261) 2277314, FAX-(0261) 2270678, (0261)

DRG. NO. SPL-ESP-NSM-CE-004
SHEET NO. 1 OF 1

REV. NO.

[illegible]

TOURNAOIS AND NON-TOURNAMENT

[illegible]

1

10

2

Adg. No. SIFC-ESP-NSA-rc