

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

High Pressure Boiler Plant, Tiruchirappalli 620 014, India

MAINTENANCE & SERVICES DEPARTMENT

☎: (0431) 2575263 Fax: (0431) 2576805 e-mail: gtraj@bheltry.co.in



ISO 9001

ENQ No: 9241600170

02.11.2016

NOTICE INVITING TENDER

Sub: RENOVATION OF DAMAGED COAL ELEVATOR DUCT ASSEMBLIES AVAILABLE AT PRODUCER GAS PLANT– Reg.

Ref: Enquiry no: 9241600170 Dated: 02/11/2016. Due date: 30/11/2016, 14.00 Hrs.

Tender of the following work should be submitted in a sealed cover consisting of three inner sealed covers such as 1) EMD cover, 2) Technical bid cover & 3) Price bid cover, all super-scribing the name of work, enquiry number etc.

- 1) EMD cover shall contain requisite **EMD of Rs.10,240/-** remitted in cash (as permissible under Income Tax Act)/Electronic Fund Transfer credited in BHEL account before tender opening or Banker's cheque/Pay order/Demand Draft in favour of M/S BHEL Trichy. Tender without EMD will be summarily rejected and the Technical bid & price bid shall not be considered.
- 2) Technical bid cover shall contain duly filled in Technical bid document signed by the tenderer in all the pages with documentary evidences for pre-qualification such as experience, value of work executed in the similar nature of work etc. Any bid without proper documentary evidence for pre-qualification shall not be considered for further evaluation.
- 3) One set of unpriced bid of Contract Work Schedule duly signed by the tenderer for accepting the work content (BOM) should be submitted along with the Technical bid for technical evaluation.
- 4) The price bid cover shall contain price bid document duly filled in and signed by the tenderer in all the pages. The tenderer has to quote most competitive rates for all the items given in the Bill of Quantities in price bid.

The complete Technical bid and price bid along with requisite **EMD of Rs.10,240/-** shall reach the office of the undersigned on or before 30/11/2016 at 14.00 Hrs.

MSE suppliers can avail EMD Waiver benefits only if they submit along with the offer, attested copies of either EM II Certificate having deemed validity (five years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II Certificate along with attested copy of a CA Certificate (Format Enclosed). Tenders without EMD/MSME proof as detailed above will be summarily rejected.

Sign & Seal of Contractor

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The Technical bid will be opened on the same day at 14.30 hrs. In case of opening day falls on holiday or happened to be declared as a holiday the receipt and opening of the tender shall automatically fall on the same timing of the next working day. Date and time of opening of the Price Bid shall be intimated only to the bidders those who have qualified after evaluation of the Technical bid. You / Your authorized representative may participate in the tender opening.

Clarification if any can be obtained from the undersigned.

Kindly acknowledge the receipt of the entire set of tender document.

Thanking you,

Yours faithfully,

For Bharat Heavy Electricals Limited,

Sr. Manager

Contracts

Maintenance & Services Dept

Encl:

- 1) NIT – Notice Inviting tender (Consists of Preamble, Technical Bid & price bid)

Tender should be addressed to: **THE SENIOR MANAGER,**

MAINTENANCE & SERVICES / CONTRACTS,

2&4 BUILDING, BHARAT HEAVY ELECTRICALS LIMITED,

HIGH PRESSURE BOILER PLANT,

TIRUCHIRAPPALLI - 620014,

TAMILNADU

Sign & Seal of Contractor

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NOTICE INVITING TENDER

01.	Name of work	RENOVATION OF DAMAGED COAL ELEVATOR DUCT ASSEMBLIES AVAILABLE AT PRODUCER GAS PLANT
02.	Earnest Money Deposit	Rs.10,240/-
03.	Duration of the contract	ONE YEAR (From the date of commencement of the work)
04.	Last Date for Receipt of Tender	14.00 Hrs on 30/11/2016
05.	Date of Technical Bid Opening	14.30 Hrs on 30/11/2016
05.	Date of Price Bid Opening	Will be intimated to those who are Qualified separately.
07.	Guarantee Period	Not applicable

The Tender documents can be down loaded from BHEL website (www.bhel.com) / govt. website (www.tenders.gov.in) at free of cost.

Tender document contains 09 Pages (Technical Bid – 08 Pages, Schedule for price bid – 01 page).

ISSUING OFFICER

Sign & Seal of Contractor

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TECHNICAL BID

NAME OF THE WORK: **RENOVATION OF DAMAGED COAL ELEVATOR DUCT ASSEMBLIES AVAILABLE AT PRODUCER GAS PLANT– Reg**

Enquiry no: 9241600170 Dated: 02/11/2016 Due date: 30/11/2016, 14.00 Hrs.

PRE-QUALIFICATION CRITERIA

The following eligibility criteria shall be complied to fulfill the Technical bid:-

Sl. No	Description	Vendor to confirm
1	<p>The bidder should have previous experience in any one of the field work mentioned below: <u>Work Experience in Fabrication/Erection work in coal handling system or structural components or Steel ducts in any Engineering industry –</u></p> <p>For proof of experience-Work order copy/ Form 26 AS/TDS certificate/Proof of payment received/ Certificate from Chartered Accountant/Customer certificate for experience in the field of fabrication/erection in coal handling system or structural components or Steel ducts from at least one Central/State govt. /PSU company/Private organization.</p> <p>Experience certificate from private organization to be supported by TDS (Tax Deduction at source) certificate issued by the organization OR Form 26 AS OR bank statement as a proof of payment.</p>	
2	Name and contact details like E-mail, Phone number, Fax no, etc. of the customer / company where the maintenance contract is executed. Bidder to confirm	
3	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false / incorrect, the offer shall be rejected.	
4	The Bidder should have valid Income Tax PAN Card. Documentary proofs/Xerox copies are to be enclosed.	
5	The bidder should have valid Service Tax registration number (if applicable) otherwise has to submit a self-declaration of "Non Applicability of Service Tax" on their Company's Letter Head.	
6	On award of contract, the successful bidder shall comply with all the statutory requirements of ESI/GI/PF rules and regulations for their workmen deputed for this work.	
7	Acceptance for Scope of Work as per the Enquiry	
8	Acceptance for All Terms & Conditions as per the Enquiry	
9	The bidder along with its associate/collaborators/sub-contractors/sub-vendors/ consultants/ service providers shall strictly adhere to BHEL fraud prevention policy displayed on BHEL website http://www.bhel.com and shall immediately bring to the notice of BHEL management about any fraud or suspected fraud as soon as it comes to their notice.	
10	Only those bidders, who are meeting all the above qualifying criteria, will be considered for further evaluation and others will be summarily rejected.	

Sign & Seal of Contractor

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SCOPE OF WORK:

1. COAL ELEVATOR DUCT RENOVATION WORK

Sl. No	SCOPE OF WORK	QTY
A1	<p>FABRICATION OF COAL ELEVATOR DUCT:</p> <p>TECHNICAL SPECIFICATIONS;</p> <p>BRIEF DESCRIPTION OF WORK ;</p> <p>1. Fabrication of Vertical Coal Elevator Ducts as per provided BHEL drawings.</p> <p>2. The existing vertical coal elevator ducts (for provided BHEL Drawings) is to be dismantled before erection of newly fabricated vertical coal elevator ducts.</p> <p>3. Newly fabricated vertical coal elevator ducts is to be assembled/erected sequentially.</p> <p>4. The work is to be carried out for two number of vertical coal elevator ducts and hence the dismantling and the erection of the coal elevator ducts is to be carried out one after the other only.</p> <p>DETAILED SCOPE OF WORK FOR FABRICATION OF NEW VERTICAL COAL ELEVATOR DUCTS(SCOPE OF WORK FOR ONE NUMBER OF COAL ELEVATOR DUCT);</p> <p>A)FABRICATION OF DUCTS;</p> <p>1. Coal Elevator Duct (Sl.no.3 of the BHEL drawing no. 0M-20B-11-0321) to be fabricated based on Drg.no. 0M-20B-11-0241.</p> <p>Elevator Duct fabrication shall include the following items of the elevator assembly only;</p> <p>a) Top cover of the elevator head(Item sl.no.1 of 0M-20B-11-0241) as per Drg.no.0M-20B-11-0173. (Elevator head Drg.No.is 0M-20B-11-0174) - Quantity to be fabricated is 1 No.</p> <p>b) Elevator Shell-IV(Item sl.no.7 of 0M-20B-11-0241)as per Drg.no.2M-20B-11-1215 - Quantity to be fabricated is 1 No.</p> <p>c) Elevator Shell-III(Item sl.no.6 of 0M-20B-11-0241)as per Drg.no.3M-20B-11-4072 - Quantity to be fabricated is 1 No. and supports for shell at 0 metre, 7 metre and 14 metre level(Sl.No.17 of 0M-20B-11-0241).</p> <p>d) Elevator Shell-I(Item sl.no.4 of 0M-20B-11-0241)as per Drg.no.2M-20B-11-1214- Quantity to be fabricated is 1 No .</p> <p>e) Elevator Foot(Item sl.no.2 of 0M-20B-11-0241) as per Drg.no.0M-20B-11-0367- Quantity to be fabricated is 1 No.</p> <p>f) Coal Chute Bottom (Item sl.no.2 of 0M-20B-11-0321) as per Drg.no.1M-20B-11-0224- Quantity to be fabricated is 1 No.</p> <p>2.After fabrication, two coats of red oxide and one coat of final painting is to be done to the elevator duct.</p>	02 AU

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A2 DISMANTLE OLD DUCT & ERN. OF NEW DUCT:

02
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DISMANTLING OF THE EXISTING DUCTS AND ERECTION OF THE NEWLY FABRICATED VERTICAL COAL ELEVATOR DUCTS;

1. The following ducts and chute of vertical coal elevator (as per BHEL drawing no. 0M-20B-11-0241 and 0M-20B-11-0321) is to be dismantled sequentially;

S.NO	DESCRIPTION	QTY
1	Top cover of elevator head	1No.
2	Elevator Shell IV	1No.
3	Elevator Shell III	1No.(Below the Elevator Shell IV,)
4	Elevator Shell I	1No.
5	Elevator Foot	1No.
6	Coal Chute Bottom	1No.

2. The coal chute(top) (Sl.No.4 of Drg.No.0M-20B-11-0321) connected to the elevator head top cover is to be retained.

Hence during dismantling of the elevator duct top cover , their interconnecting fastners are to be removed suitably and the chute is to be given necessary supports if required such that the coal chute (top) is not dislocated from its position.

3. The top and bottom rollers,gear box at elevator head level, counter weights at elevator foot level which are present as a part of the existing coal elevator duct system shall be removed if required by the contractor and the same to be refixed after the erection of the new coal elevator duct.

4. The newly fabricated coal elevator ducts consisting of elevator top cover, elevator shells, elevator foot, coal chute bottom are to be assembled sequentially. The fasteners required for the duct assembling will be provided by BHEL.The contractor shall ensure the verticality of the coal elevator duct during the assembling/erection of the coal elevator duct.

5.Suitable structural supports required for the coal elevator duct during assembling/erection are to be provided wherever required.Angle supports over the existing ducts to be provided between the zero metre to 14 metre level of the coal elevator duct wherever required. Handrails at the 14 metre level of the duct is to be removed and replaced with new hand rails.

7. Once the complete vertical coal elevator duct is assembled, the existing coal chute (top) is to be re-connected to the newly erected vertical coal elevator duct.

8. After the erection of the coal elevator duct, one coat of final painting is to be done by the contractor.

9.Since the complete dismantling and erection of the coal elevator duct is to be carried out in the producer gas plant

(producer gas is flammable gas and causes health hazard on inhalation) and also since the duct height is upto approx. 22 metres, necessary safety precautions is to be ensured by the contractor during the execution of the work.

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<p>Necessary safe work permit is to be obtained during the execution of the work by the contractor.</p> <p>NOTE:</p> <ol style="list-style-type: none">1) Since the work is required to be carried out in the running/operational Producer Gas Plant without affecting the associated structures and ducts, the Contractor may visit the BHEL Premises before quoting to access the quantum of work.2) The dismantling of the one no. of existing ducts and the erecting one no. of new coal elevator ducts has to be completed within 3 Weeks from the date of handing over of the existing elevator duct. Sufficient man power should be deployed to execute the work as per schedule.3) The dismantled ducts and structures has to be taken from different levels of Producer Gas Plant to the ground level and disposed at the location shown by Maintenance Engineer(disposal location will be at Producer Gas Plant).4) Any other alteration works if required during the erection of the coal elevator ducts shall be carried out by the contractor to complete the erection within the said time period. <p>Scope of BHEL:</p> <ol style="list-style-type: none">1) All the required plate material, structural material will be provided by BHEL.2) All the consumables such as welding electrodes, oxygen gas, acetylene/LPG gas cylinders, paint, brush, asbestos ropes, gasket, kerosene, fasteners, water, compressed air, electricity will be provided by BHEL. <p>Scope of Contractor:</p> <ol style="list-style-type: none">1) All the required tools and tackles to carry out the work will be in contractor's scope.2) Three phase welding machine with cables,cutogen with flexible hoses and regulator will be in contractor's scope.3) Drilling works required for the work is to be done by the contractor for which the drilling machine will be provided by BHEL.4) Scaffolding wherever required is to be made by the contractor, for which the scaffolding materials are to be bought by the contractor. <p>Pipe Clamps and misc materials for Scaffolding purpose are also under scope of contractor.</p> <ol style="list-style-type: none">5) Lifting tackles and Crane will be in the contractor's scope.
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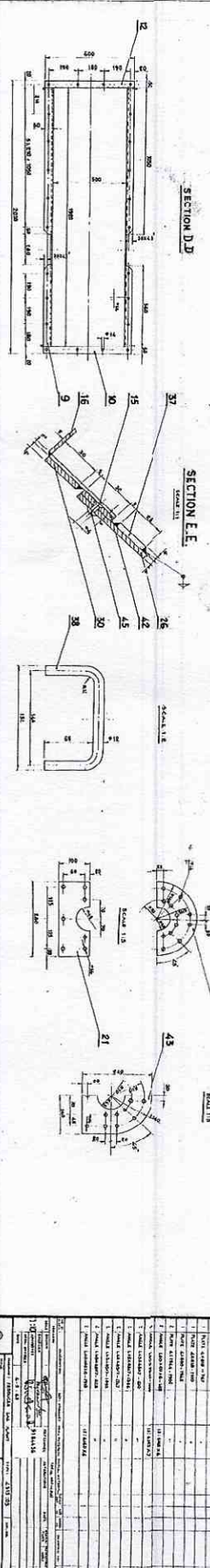
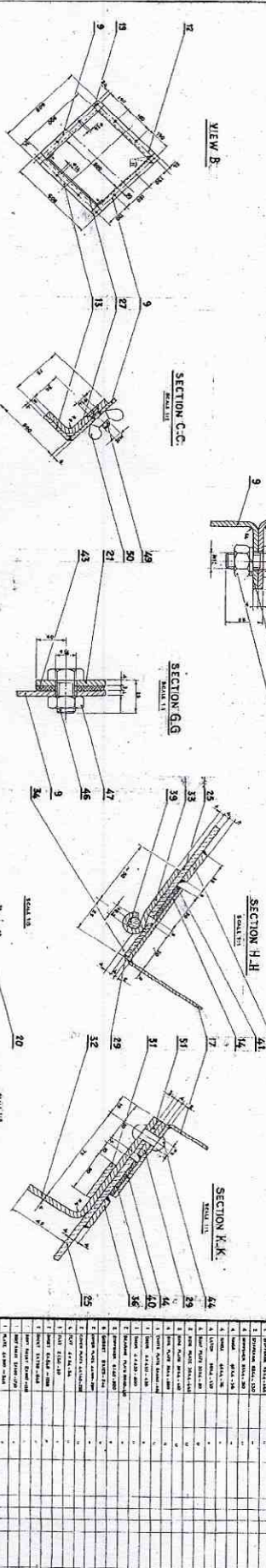
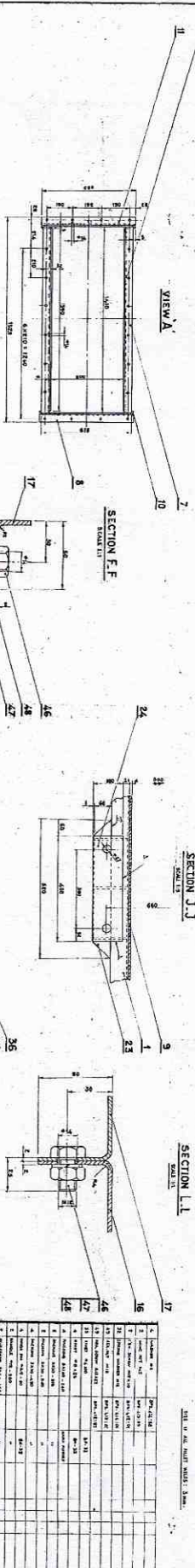
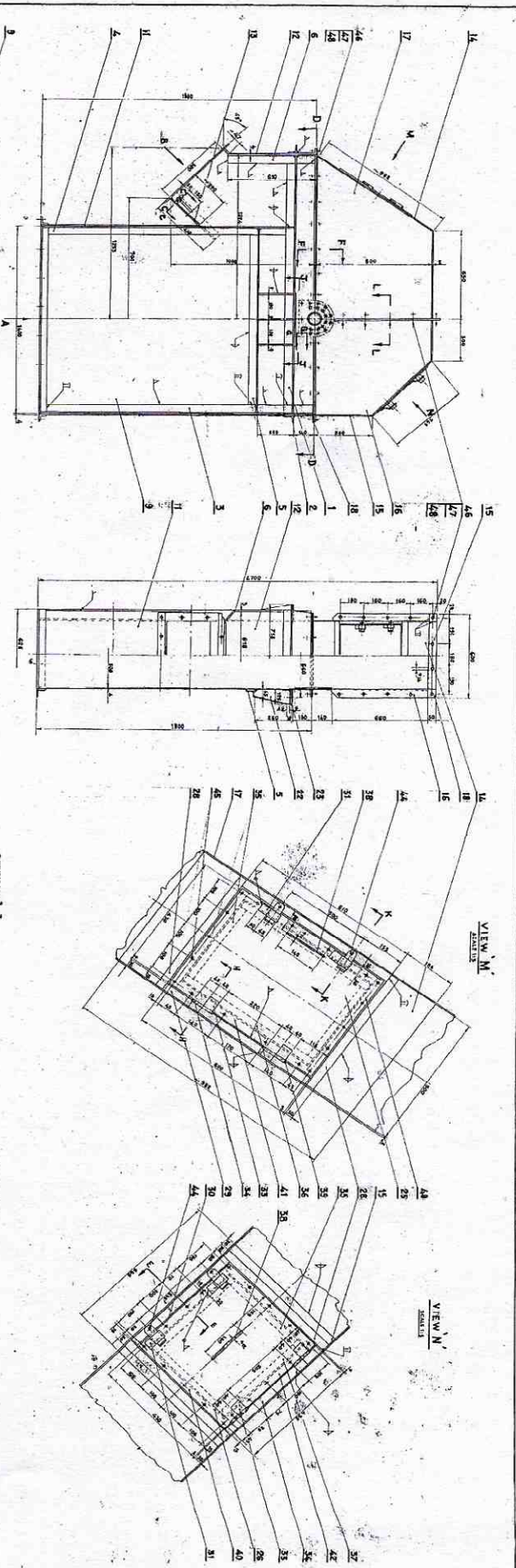
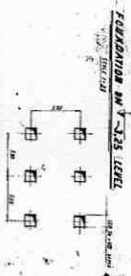
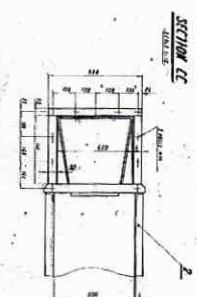
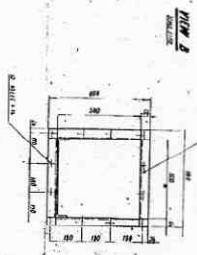
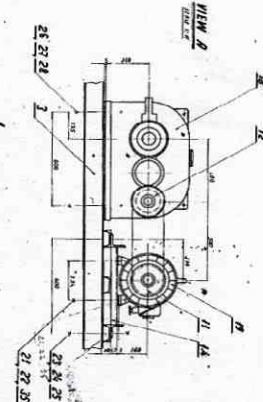
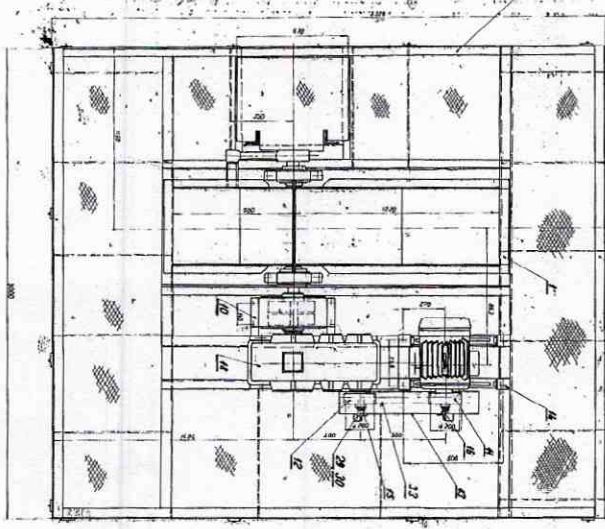
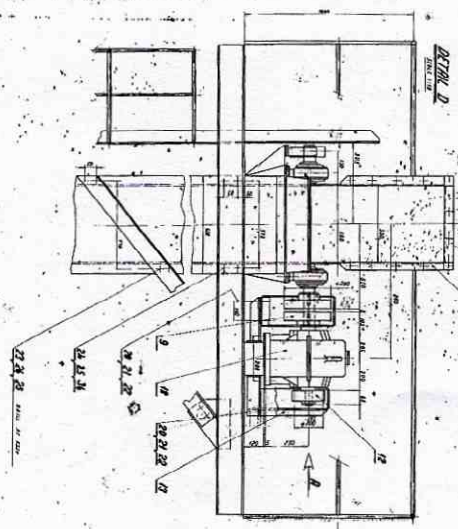


TABLE OF MATERIALS

NO.	DESCRIPTION	QUANTITY	UNIT	REMARKS
1	CONCRETE	100	CY	
2	STEEL	100	LB	
3	BRICK	100	1000	
4	CEMENT	100	BA	
5	SAND	100	CY	
6	GRAVEL	100	CY	
7	GLASS	100	SQ FT	
8	PAINT	100	GA	
9	ROOFING	100	SQ FT	
10	INSULATION	100	CY	
11	PLASTER	100	SQ FT	
12	TRUSS	100	LB	
13	RAFTER	100	LB	
14	CEILING	100	SQ FT	
15	FLOORING	100	SQ FT	
16	WALL	100	SQ FT	
17	DOOR	100	SQ FT	
18	WINDOW	100	SQ FT	
19	STAIR	100	SQ FT	
20	ELECTRICAL	100	LB	
21	MECHANICAL	100	LB	
22	PLUMBING	100	LB	
23	PAINTING	100	SQ FT	
24	ROOFING	100	SQ FT	
25	INSULATION	100	CY	
26	PLASTER	100	SQ FT	
27	TRUSS	100	LB	
28	RAFTER	100	LB	
29	CEILING	100	SQ FT	
30	FLOORING	100	SQ FT	
31	WALL	100	SQ FT	
32	DOOR	100	SQ FT	
33	WINDOW	100	SQ FT	
34	STAIR	100	SQ FT	
35	ELECTRICAL	100	LB	
36	MECHANICAL	100	LB	
37	PLUMBING	100	LB	
38	PAINTING	100	SQ FT	
39	ROOFING	100	SQ FT	
40	INSULATION	100	CY	
41	PLASTER	100	SQ FT	
42	TRUSS	100	LB	
43	RAFTER	100	LB	
44	CEILING	100	SQ FT	
45	FLOORING	100	SQ FT	
46	WALL	100	SQ FT	
47	DOOR	100	SQ FT	
48	WINDOW	100	SQ FT	
49	STAIR	100	SQ FT	
50	ELECTRICAL	100	LB	
51	MECHANICAL	100	LB	
52	PLUMBING	100	LB	
53	PAINTING	100	SQ FT	
54	ROOFING	100	SQ FT	
55	INSULATION	100	CY	
56	PLASTER	100	SQ FT	
57	TRUSS	100	LB	
58	RAFTER	100	LB	
59	CEILING	100	SQ FT	
60	FLOORING	100	SQ FT	
61	WALL	100	SQ FT	
62	DOOR	100	SQ FT	
63	WINDOW	100	SQ FT	
64	STAIR	100	SQ FT	
65	ELECTRICAL	100	LB	
66	MECHANICAL	100	LB	
67	PLUMBING	100	LB	
68	PAINTING	100	SQ FT	
69	ROOFING	100	SQ FT	
70	INSULATION	100	CY	
71	PLASTER	100	SQ FT	
72	TRUSS	100	LB	
73	RAFTER	100	LB	
74	CEILING	100	SQ FT	
75	FLOORING	100	SQ FT	
76	WALL	100	SQ FT	
77	DOOR	100	SQ FT	
78	WINDOW	100	SQ FT	
79	STAIR	100	SQ FT	
80	ELECTRICAL	100	LB	
81	MECHANICAL	100	LB	
82	PLUMBING	100	LB	
83	PAINTING	100	SQ FT	
84	ROOFING	100	SQ FT	
85	INSULATION	100	CY	
86	PLASTER	100	SQ FT	
87	TRUSS	100	LB	
88	RAFTER	100	LB	
89	CEILING	100	SQ FT	
90	FLOORING	100	SQ FT	
91	WALL	100	SQ FT	
92	DOOR	100	SQ FT	
93	WINDOW	100	SQ FT	
94	STAIR	100	SQ FT	
95	ELECTRICAL	100	LB	
96	MECHANICAL	100	LB	
97	PLUMBING	100	LB	
98	PAINTING	100	SQ FT	
99	ROOFING	100	SQ FT	
100	INSULATION	100	CY	

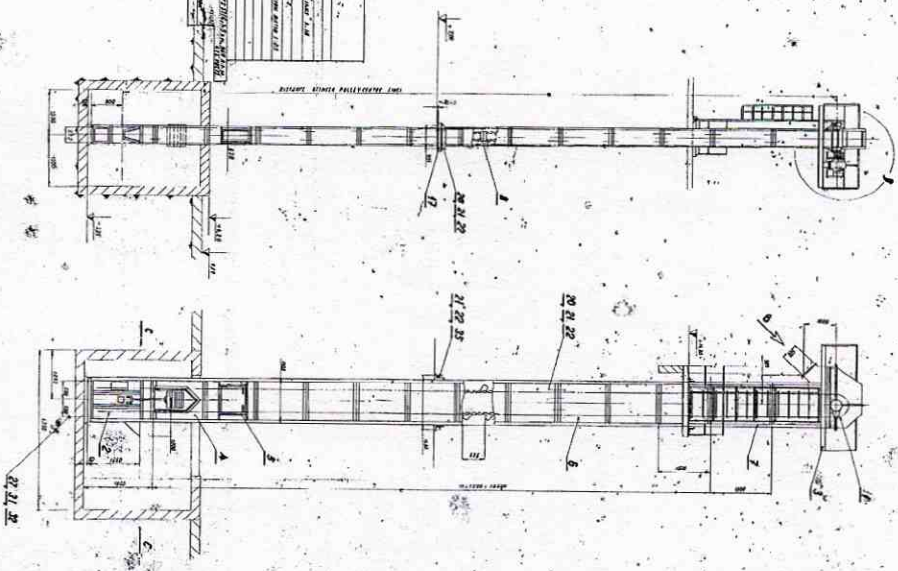
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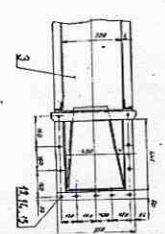
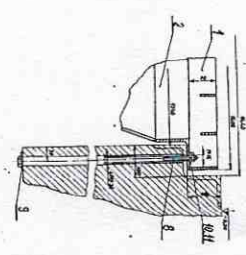
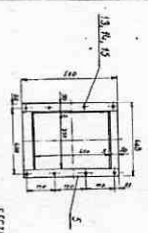
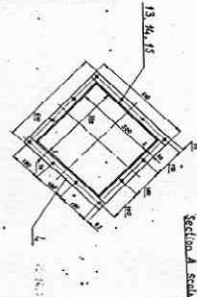
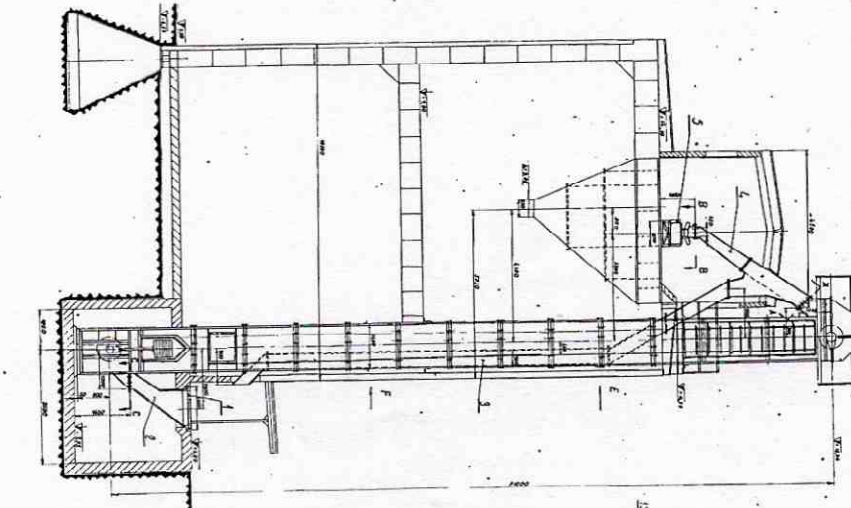
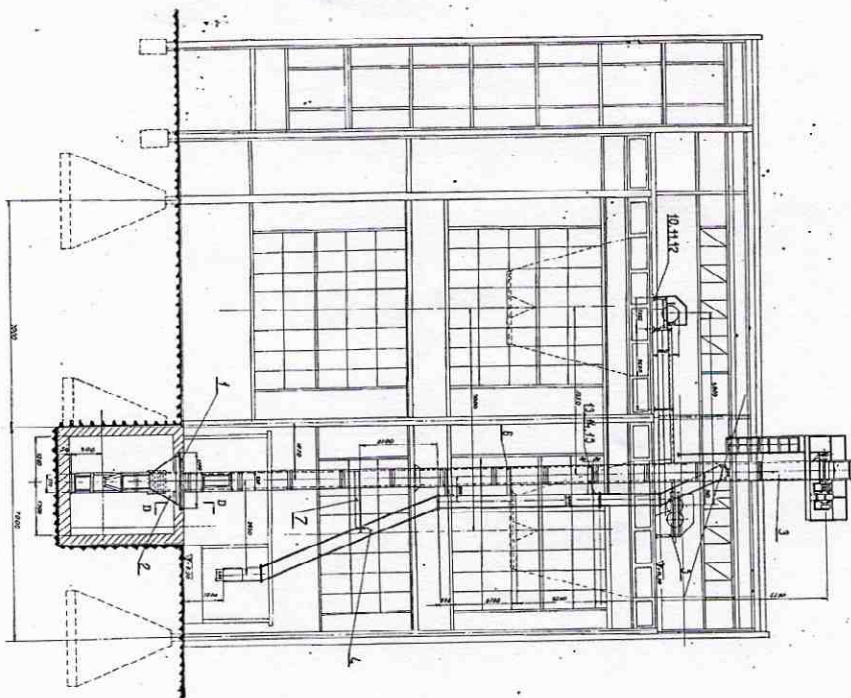
GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. DIMENSIONS TO CENTER UNLESS OTHERWISE SPECIFIED.
3. DIMENSIONS TO SURFACE UNLESS OTHERWISE SPECIFIED.
4. DIMENSIONS TO FACE UNLESS OTHERWISE SPECIFIED.
5. DIMENSIONS TO EDGE UNLESS OTHERWISE SPECIFIED.
6. DIMENSIONS TO POINT UNLESS OTHERWISE SPECIFIED.
7. DIMENSIONS TO CENTERLINE UNLESS OTHERWISE SPECIFIED.
8. DIMENSIONS TO CENTER OF GRAVITY UNLESS OTHERWISE SPECIFIED.
9. DIMENSIONS TO CENTER OF MASS UNLESS OTHERWISE SPECIFIED.
10. DIMENSIONS TO CENTER OF BUOYANCY UNLESS OTHERWISE SPECIFIED.
11. DIMENSIONS TO CENTER OF PRESSURE UNLESS OTHERWISE SPECIFIED.
12. DIMENSIONS TO CENTER OF GRAVITY AND CENTER OF BUOYANCY UNLESS OTHERWISE SPECIFIED.
13. DIMENSIONS TO CENTER OF GRAVITY AND CENTER OF PRESSURE UNLESS OTHERWISE SPECIFIED.
14. DIMENSIONS TO CENTER OF BUOYANCY AND CENTER OF PRESSURE UNLESS OTHERWISE SPECIFIED.
15. DIMENSIONS TO CENTER OF GRAVITY, CENTER OF BUOYANCY AND CENTER OF PRESSURE UNLESS OTHERWISE SPECIFIED.



NO.	DESCRIPTION	QTY.	UNIT	REMARKS
1	STEEL SHEET PILING	100	M	
2	STEEL SHEET PILING	100	M	
3	STEEL SHEET PILING	100	M	
4	STEEL SHEET PILING	100	M	
5	STEEL SHEET PILING	100	M	
6	STEEL SHEET PILING	100	M	
7	STEEL SHEET PILING	100	M	
8	STEEL SHEET PILING	100	M	
9	STEEL SHEET PILING	100	M	
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49	STEEL SHEET PILING	100	M	
50	STEEL SHEET PILING	100	M	

1920-10-10-1011
 DIVISION OF ENGINEERING

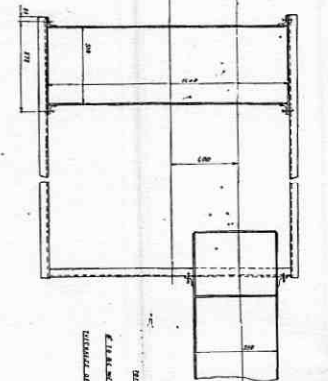
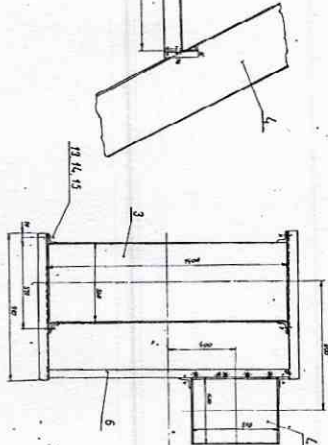
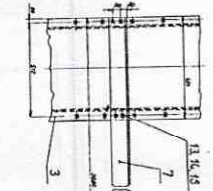
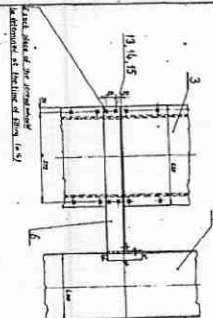


View E Scale 1/8"

View F Scale 1/8"

VIEW E (END)

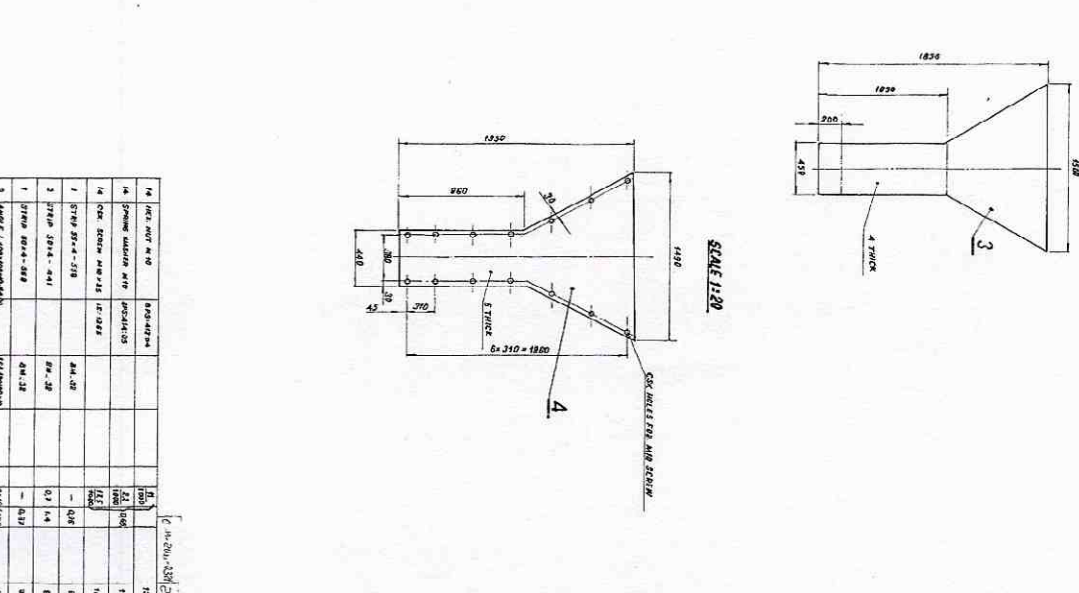
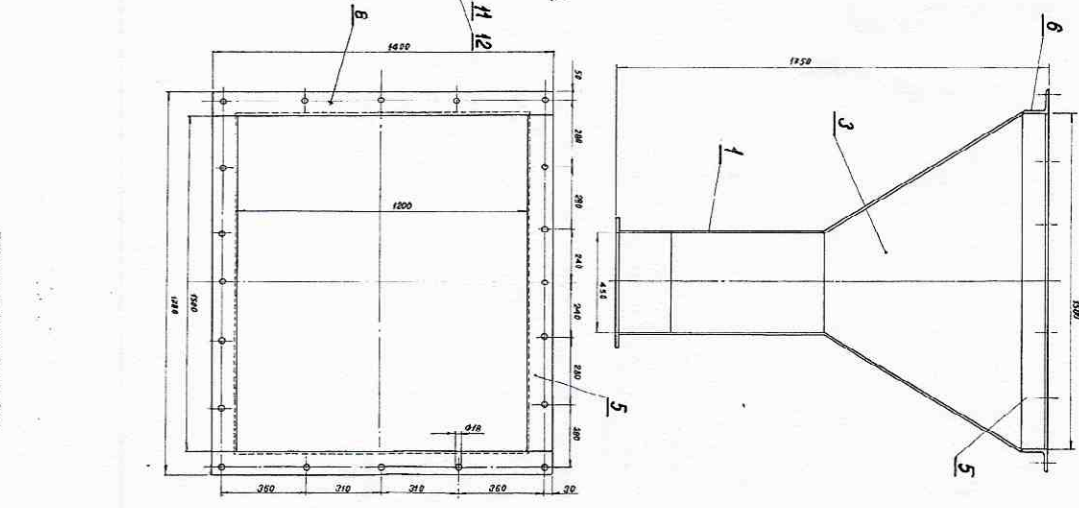
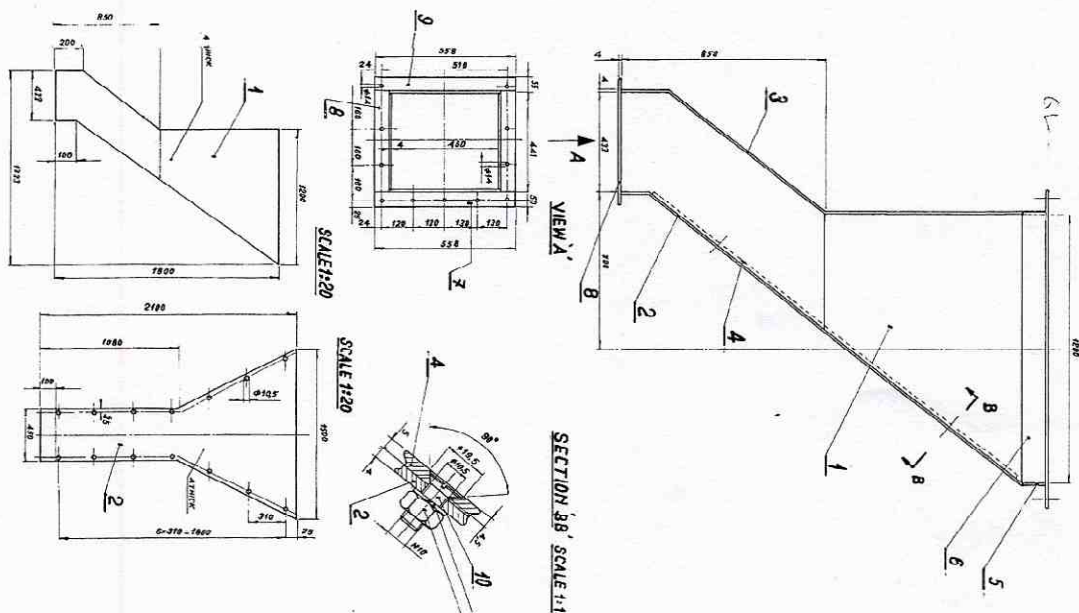
VIEW F (END)



DETAILS OF THE SHAFT AND COUNTERWEIGHTS
 AS SHOWN IN SECTION A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ

NO.	DESCRIPTION	QTY.	UNIT	PRICE	TOTAL
1	Shaft	1	ft.	1.00	1.00
2	Counterweight	1	ft.	1.00	1.00
3
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COOL ELEVATOR
 GENERAL ASSEMBLY
 0-71-208-0321

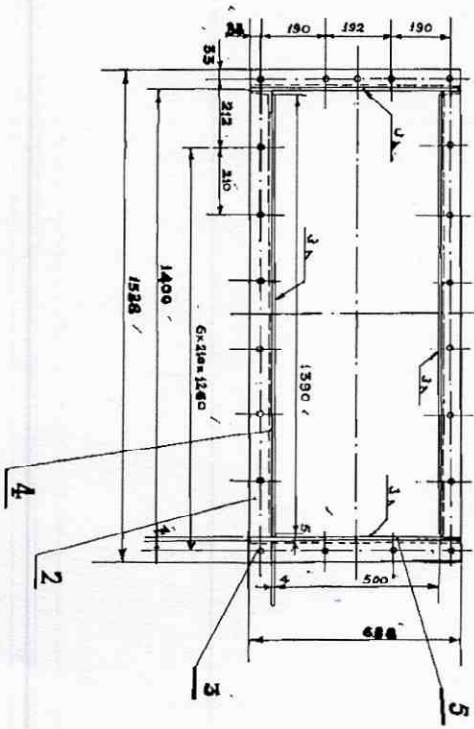
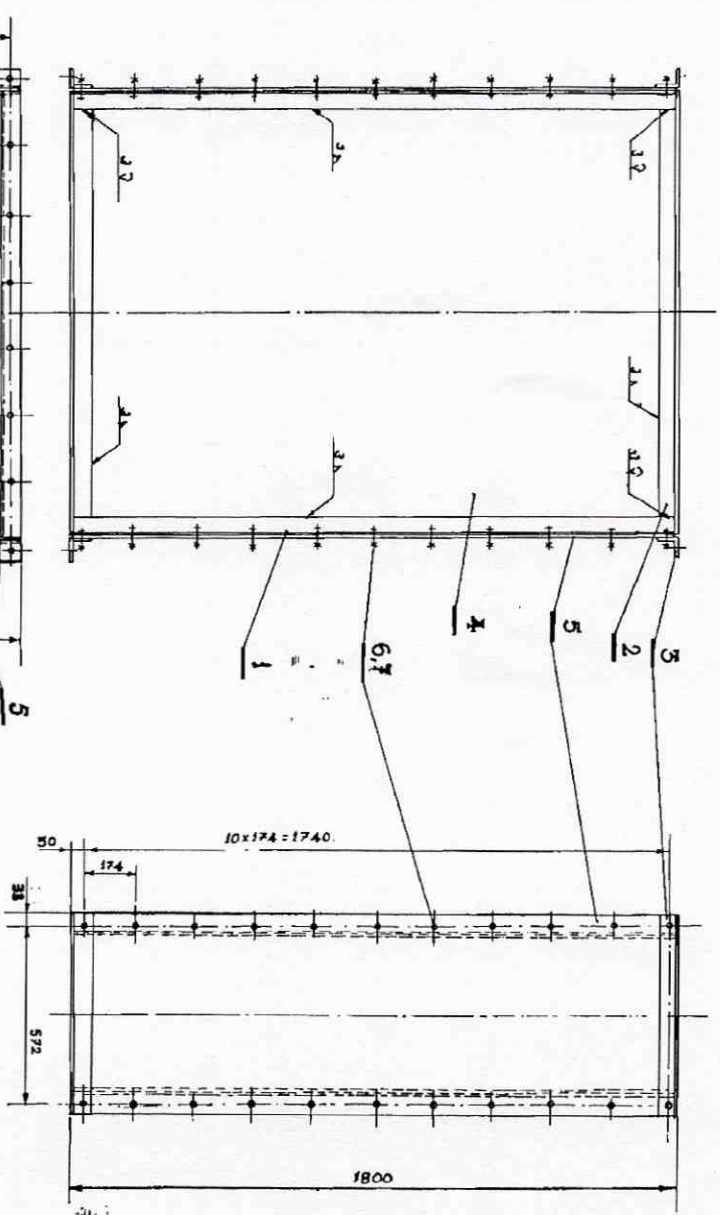


THICKNESSES OF METALIC SEAMS 1.5mm


NO.	DESCRIPTION	QUANTITY	UNIT	REMARKS
1	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	1	PC	
2	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	1	PC	
3	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	1	PC	
4	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	1	PC	
5	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	1	PC	
6	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	1	PC	
7	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	1	PC	
8	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	1	PC	
9	1/2" x 1/2" x 1/2" x 1/2" x 1/2" x 1/2"	1	PC	

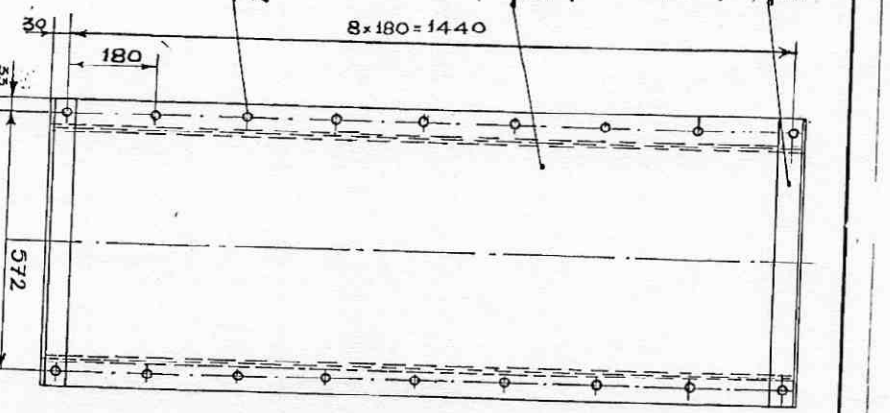
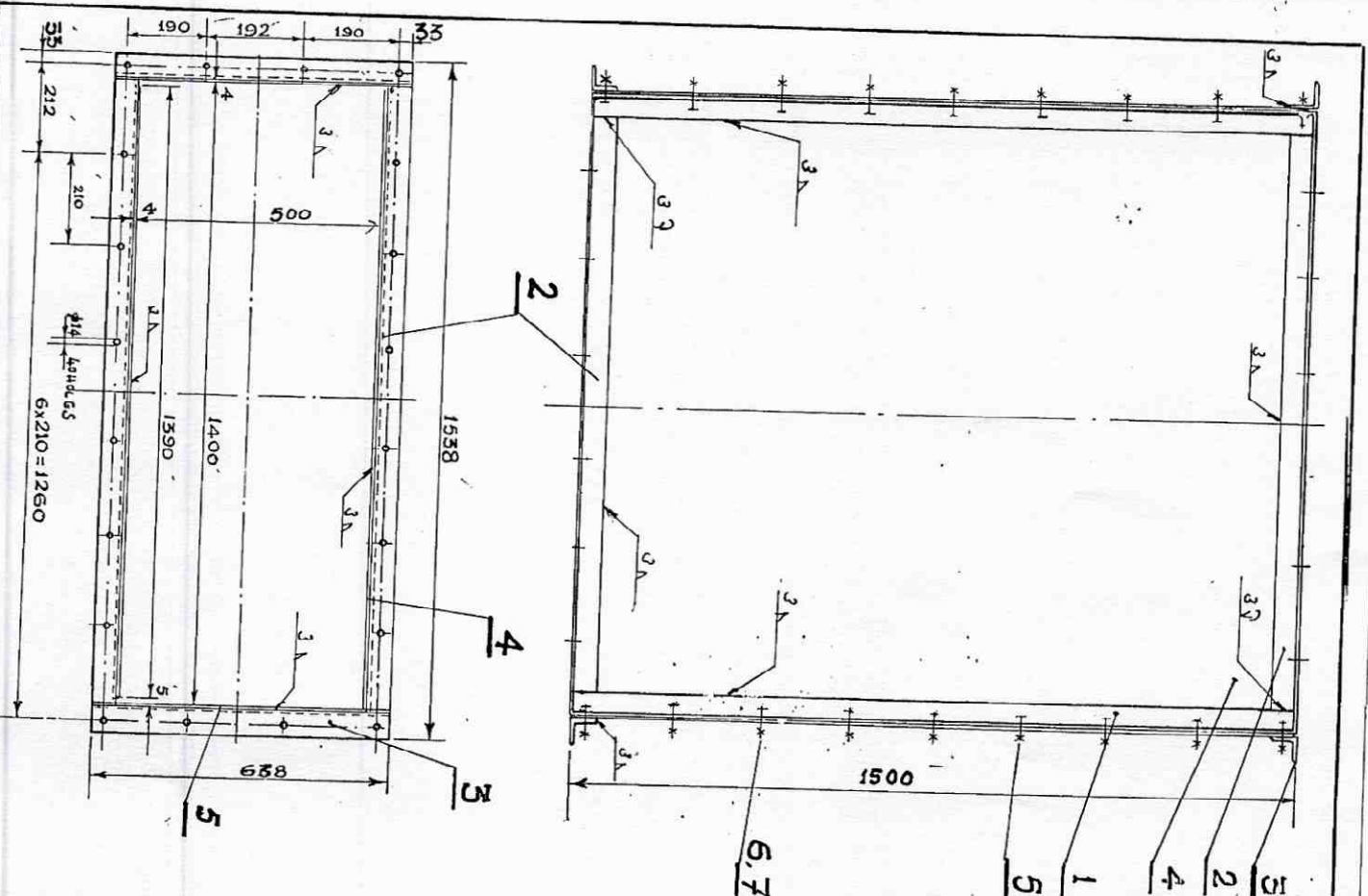
COAL CHUTE (BOSTON)

1. M. 206. 0224



QTY	DESCRIPTION	UNIT	PRICE	TOTAL	REMARKS
44	M. S. HEX BLACK NUT, M12	BBS-412-12	1.50	66.00	
44	M. S. HEX BLACK SCREW M12X25	BBS-412-22	1.50	66.00	
2	Sh. 4x628-1790	BMC-20	18.00	36.00	
2	Sh. 4x1190-1790	BMC-20	18.00	36.00	
4	ISA69x69x6-628	BMC-20	18.00	72.00	
4	ISA69x69x6-1440	BMC-20	18.00	72.00	
4	ISA69x69x6-1788	BMC-20	18.00	72.00	


ELEVATOR SHELL-IV
 TITLE: 2-M-208-1215
 DATE: 10-2-62
 DRAWING NO.: 2-M-208-1215
 SHEET NO.: 1



NO. OF PIECES	DESCRIPTION	SEMI-PRODUCT	FINAL MATERIAL	INITIAL MATERIAL	SCALE	NET WEIGHT (KG)	GROSS WEIGHT (KG)	ITEM NO.
36	M.S. HER. BLACK NUT M12		BPS-412-12		1/1000			6
36	M.S. HER. BLACK SCREW M12x25		BPS-412-25		1/1000	2-		7
2	Sh 4 x 63 B-1490		BMC-20		1/15	45-		5
2	Sh 4 x 1390 - 1490		BMC-20		1/15	130-		4
4	ISA 65x65x6-638		BMC-20		1/15	136		3
4	ISA 65x65x6-1400		BMC-20		1/15	324		2
4	ISA 65x65x6-1488		BMC-20		1/15	32-		1

SCALE	DRAWN	CHECKED	APPROVED	DATE	REFERENCE
1:10	G. JOSEPH D.M.E.		<i>Joseph D.M.E.</i>	18.9.23	3184461


TIRUCHY
 MACHINE PRODUCED GAS PLANT
ELEVATOR SHELL-III
 TITLE:

TYPE: H.S. 3:05
 DRAWING NO.: **3-M-206-4072**
 NO. OF SHEETS: 1
 SHEET NO.: 1

0-M-206-0241

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

High Pressure Boiler Plant, Tiruchirappalli 620 014, India

MAINTENANCE & SERVICES DEPARTMENT

☎: (0431) 2575263 Fax: (0431) 2576805 e-mail: gtraj@bheltry.co.in



ISO 9001

GENERAL TERMS AND CONDITIONS FOR M&S MECHANICAL CONTRACTS

- 1) The workmen of contractor should be covered under PF/ESI, etc as per labour laws.
- 2) Safety precautions have to be ensured by the Contractor Depending on the work nature. Necessary work permit system and personal protective equipments (PPE) such as electrical resistance rubber gloves, helmet, spectacle goggles, safety shoes, safety belt etc. as applicable to Mechanical works should be adhered while carrying out the work.
- 3) PPES for appropriate trade job has to be ensured by the contractor at the job site at all times.
- 4) The contractors may visit the area to assess the quantum of work before quoting.
- 5) The contractor should mention the point to point confirmation.
- 6) Contractor should commit for Terms and Conditions of the enquiry otherwise the offer shall be liable for rejection.
- 7) **TWO PART BID SYSTEM:** Contractor should send their offer for two part bid system as below
- 8) Documents submitted with the offer shall be signed and stamped in each page by authorized representative of the bidder.
- 9) Contractor must get acquaintance with quantum of day to day work by visiting BHEL Trichy premises before quoting.
- 10) The contractor should quote the exact time required to complete the work in their offer.

TENDERING CONDITIONS:

- a) The Bidders shall submit the offer in TWO PART BID SYSTEM (Part -I & II) along with EMD as indicated below which shall be sealed in ONE OUTER ENVELOPE.
- b) Envelope I- This sealed envelope should contain all the copies of technical bid together with un-priced commercial bid. This envelope should be clearly marked "Part I - Technical and commercial bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder. Envelope I should contain sealed EMD cover indicating the enquiry detail.
- c) Envelope II - This sealed envelope should contain price details. This envelope should be clearly marked as - "Part -II Price bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder.
- d) Envelope III - This sealed envelope should contain requisite **EMD**. This envelope should be clearly marked as - "EMD COVER", indicating Enquiry No., Due Date and Address & Reference of the Bidder.
- e) All the three envelopes shall be put in one cover, duly sealed, super scribing as offer for Enquiry No., and due date of opening, Name of the work and the address and reference of the Bidder.
- f) The offer should reach this office on or before the due date by 14.00 Hrs. (IST). Late offers will not be considered.

Sign & Seal of Contractor

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt.of India Undertaking)

High Pressure Boiler Plant, Tiruchirappalli 620 014, India

MAINTENANCE & SERVICES DEPARTMENT

☎: (0431) 2575263 Fax: (0431) 2576805 e-mail:gtraj@bheltry.co.in



ISO 9001

g) Tender should not be addressed to any Individual's name but only by designation to:

THE SENIOR MANAGER
MAINTENANCE & SERVICES / CONTRACTS,
2&4 BUILDING,
BHARAT HEAVY ELECTRICALS LIMITED,
HIGH PRESSURE BOILER PLANT,
TIRUCHIRAPALLI - 620 014.
TAMIL NADU, INDIA.

h) Tenders should be free from CORRECTION AND ERASURES, Corrections if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.

i) Offers should be in ENGLISH and accompanied by detailed Point to point confirmation of the scope of work.

OPENING OF TENDERS:

- a) The Part I - Technical & un-priced commercial bid and EMD Cover alone would be opened on the Tender opening date(as mentioned in the enquiry) by 14.30Hrs(IST)
- b) The Part II - Price bid of technically suitable Bidders alone would be opened. The Technically suitable Bidders would be informed about the Price bid opening date.
- c) Clarifications if any required by BHEL for Technical evaluation would be sought from Bidders before opening of Part II - price bid.

SERVICE TAX:

- 1) A copy of Service tax remittance challan for previous quarter should be submitted along with offer if the contractor is claiming service tax.
- 2) If Contractor is exempted from service tax then a declaration that they are within the threshold limit should be submitted along with the offer.

LD CLAUSE :

If the contractor fails to complete the work as per terms & conditions of the order within the delivery schedule, 0.5% of the order value will be deducted for each week of delay or part thereof subject to a maximum of 15% of the total contract value.

IMPORTANT NOTE: IF THE CONTRACTOR PERFORMANCE NOT ABLE TO FULFILL AS PER ENQUIRY REQUIREMENT, THEN THE CONTRACT SHALL BE SHORT CLOSED AT ANY TIME.

Sign & Seal of Contractor

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt.of India Undertaking)

High Pressure Boiler Plant, Tiruchirappalli 620 014, India

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ISO 9001

COMMERCIAL TERMS AND CONDITONS FOR M&S MECHANICAL CONTRACTS

- 1) 100% payment will be made after completion of work on pro-rata basis on acceptance of BHEL Engineer.
- 2) Attendance register should be maintained.
- 3) EMD is to be submitted and is to be remitted in cash (as permissible under Income Tax Act)/Electronic Fund Transfer credited in BHEL account before tender opening or Banker's cheque/Pay order/Demand Draft in favour of M/S BHEL Trichy along with offer. **Offers without EMD shall be liable for rejection.**
- 4) Security Deposit shall be furnished by the successful vendor to the total contract value before starting the work. The total amount of Security Deposit will be 5% of the contract value. EMD of the successful tenderer shall be converted and adjusted towards the required amount of Security Deposit.
- 5) An additional payment as per circular ref. BHE/HR/W/EW/08.04.2014 is to be paid to the contract workmen as below, over and above the minimum wages prescribed by the government of Tamilnadu:

Unskilled	-	Rs.3200/-
Semiskilled	-	Rs.3700/-
Skilled	-	Rs.4100/-
- 6) Bonus @ 8.33 % to workmen to be paid.
- 7) **Rate should be quoted as per price bid.**
- 8) Taxes if any will be mentioned separately in the offer.
- 9) The rate that is offered should be comprehensive and no separate charges will be made towards expenses like travel, boarding and lodging.
- 10) The contractor should quote the validity of the offer.
- 11) If two or more vendors offer the same rate, negotiation will be conducted separately.

Sign & Seal of Contractor

Certificate by Chartered Accountant on Letter Head

This is to certify that M/s. _____ (hereinafter referred to as 'company') having its registered office at _____ is registered under MSMED Act 2006, (Entrepreneur Memorandum No (Part II)) _____ dt. _____, Category: (Micro/Small). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as per the latest audited financial year _____ as per MSMED Act 2006 is as follows:

1. For Manufacturing Enterprises: Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No. S.O.1722(E) dated October 5, 2006):

₹ _____ Lacs

2. For Service Enterprises: Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act 2006):

₹ _____ Lacs

(Strike off whichever is not applicable)

The above investment of ₹ _____ Lacs is within permissible limit of ₹ _____ Lacs for _____ Micro / Small (Strike off which is not applicable) Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro/Small) (Strike off which is not applicable) and the date of graduation of such enterprise from its original category is (dd/mm/yyyy) which is within the period of 3 years from the date of graduation of such enterprise from its original category as notified vide S.O. No. 3322(E) dated 01.11.2013 published in the gazette notification dated 04.11.2013 by Ministry of MSME.

Date:

(Signature)

Name:

Membership number:

Seal of Chartered Accountant

SCHEDULE FOR PRICE BID

SUB: RENOVATION OF DAMAGED COAL ELEVATOR DUCT ASSEMBLIES AVAILABLE AT PRODUCER GAS PLANT

REF: 9241600170 Dated: 02/11/2016. Due date: 30/11/2016, 14.00 Hrs.

1. COAL ELEVATOR DUCT RENOVATION WORK:

Sl. No	Description	Qty	UOM	Rate	Value
A1	FABRICATION OF COAL ELEVATOR DUCT	02	AU		
A2	DISMANTLE OLD DUCT & ERN. OF NEW DUCT	02	AU		
TOTAL VALUE					

(*) Cumulative L1 will be considered for above all (For item's (A1 & A2))

❖ **Taxes if any should be quoted extra**

- 1) Payment terms: Payment will be made after completion of work on pro rata basis on submission of invoice in triplicate duly certified by Engineer In Charge.
- 2) Tax deduction will be made from the every bill at the prevailing rate as per the Government rule and regulation from time to time.
- 3) Detailed scope of work and other terms and conditions are specified in the Technical Bid of the Tender.

Sign & Seal of Contractor