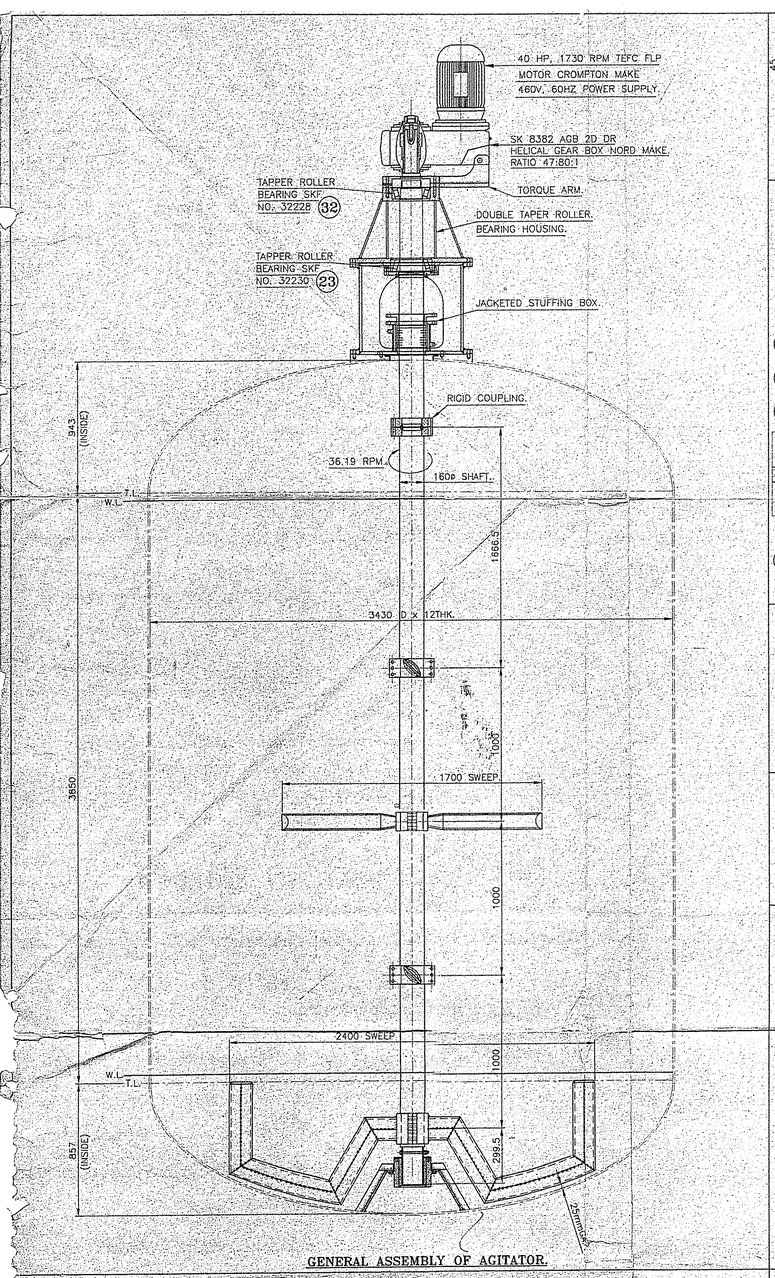
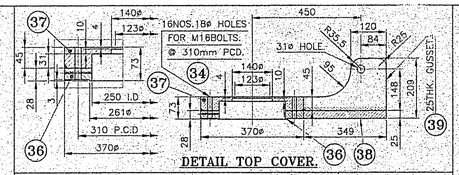
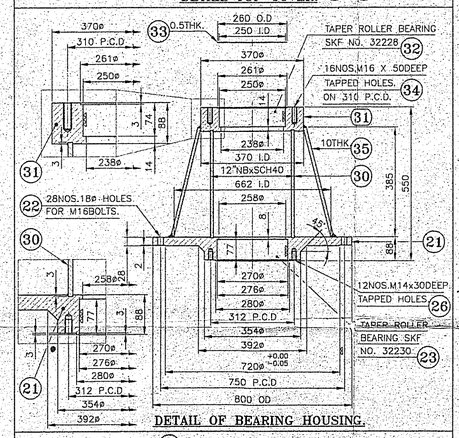


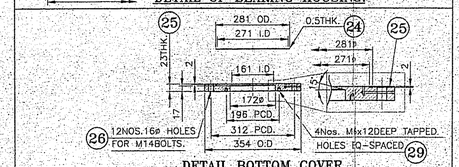
GENERAL ASSEMBLY OF AGITATOR.



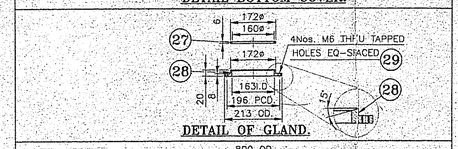
DETAIL TOP COVER.



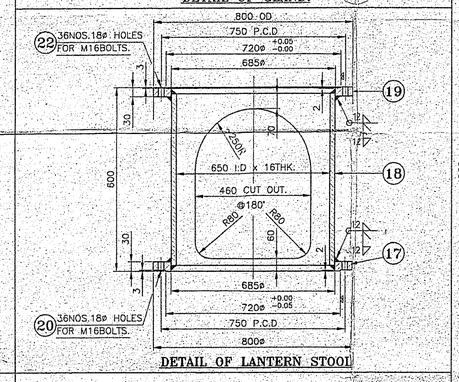
DETAIL OF BEARING HOUSING.



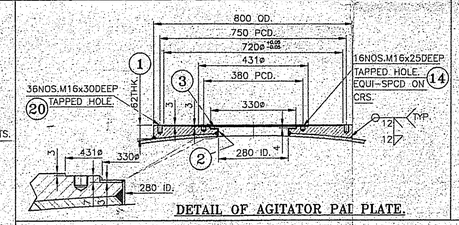
DETAIL BOTTOM COVER.



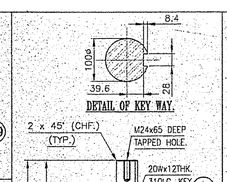
DETAIL OF GLAND.



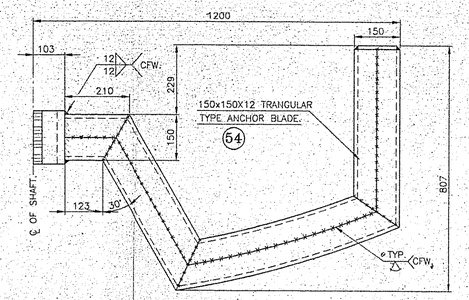
DETAIL OF LANTERN STOOL



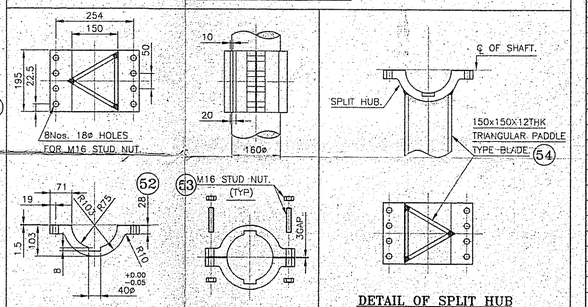
DETAIL OF AGITATOR PAD PLATE.



DETAIL OF BOTTOM SHAFT.

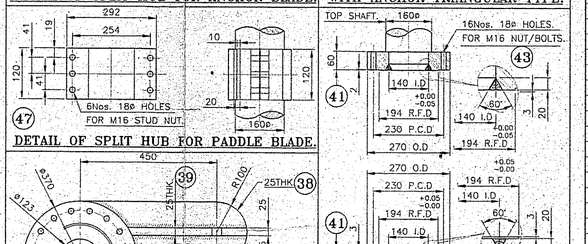


ANCHOR BLADE DETAIL



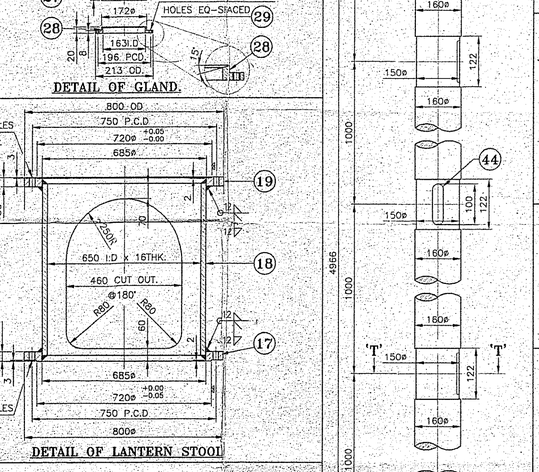
DETAIL OF SPLIT HUB FOR ANCHOR BLADE.

DETAIL OF SPLIT HUB WITH ANCHOR TRIANGULAR TYPE.

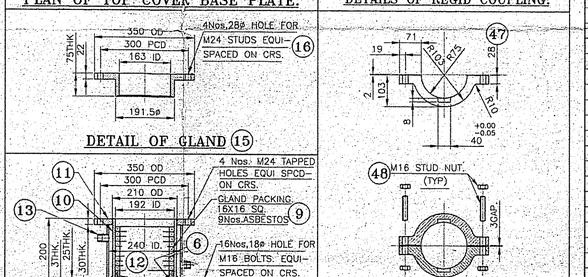


DETAIL OF SPLIT HUB FOR PADDLE BLADE.

DETAILS OF REGID COUPLING.



PLAN OF TOP COVER BASE PLATE.



BOTTOM BUSH ARRANGEMENT.

DETAIL OF AGITATOR PADDLE BLADE(THREE NOS.)

REV.No.	DESCRIPTION	DATE	DRN.BY.	CHD.BY	APPD.BY	REMARKS
1	AS-BUILT DRG.	24/04/2002	MOIN			
0	ISSUED FOR APPROVAL.	10/10/2001	IMRAN	—	—	—

REVISIONS

GENERAL NOTES

1) ALL DIMENSIONS ARE IN M.M. UNLESS OTHERWISE STATED.
2) THE BILL OF MATERIAL IS FOR ONE UNIT ONLY.
3) ALL BOLT HOLES SHALL STRADDLE THE PRINCIPAL CENTER LINES OF THE VESSEL.

SR. No.	DESCRIPTION	QTY.	SIZE	MATERIAL	REMARK
70	—	—	—	—	
69	—	—	—	—	
68	—	—	—	—	
67	GUSSET PLATE.	4	40W x 10THK. CUT TO SUIT.	SA 240 Gr. 316L	
66	GUSSET PLATE.	4	40W x 10THK. CUT TO SUIT.	SA 240 Gr. 316L	
65	SUPPORT PLATE.	4	40W x 10THK. CUT TO SUIT.	SA 240 Gr. 316L	
64	BOLTS.	14	M16 x 20LG.	S.S 316	
63	NUT/BOLTS.	8	M12 x 50LG.	SA193GrBM CL.1/SA194 GrBM CL.1	
62	BOTTOM BUSH.	1	178 O.D x 141 I.D x 103HT.	TEFLON.	
61	RING.	1	208 O.D x 160 I.D x 6THK.	SA 240 Gr. 316L	
60	COVER RING.	1	302 O.D x 218 I.D x 12THK.	SA 240 Gr. 316L	
59	STUD+NUT+WASHER.	1	M12 x 170LG.	SA193GrBM CL.1/SA194 GrBM CL.1	
58	BOTTOM CPLG.	1	278 O.D x 161 I.D x 12THK.	SA 240 Gr. 316L	
57	SLEEVE.	1	5" NB. x SCH40s x 181LG.	SA312 TP316L.	
56	—	—	—	—	
55	—	—	—	—	
54	TRIANGULAR ANCHOR BLADE.	LOT.	12THK x AS SHOWN.	SA240 Gr316L.	
53	STUD/NUT.	8	M16 x 100LG.	SA193GrBM CL.1/SA194 GrBM CL.1	
52	SPLIT HUB	2	SEE DETAIL.	SS316L.	
51	COVERING PADDLE BLADE.	6	12THK x AS SHOWN.	SA240 Gr316L.	
50	PADDLE BALDES.	6	12THK x AS SHOWN.	SA240 Gr316L.	
49	—	—	—	—	
48	STUD/NUT.	18	M16 x 100LG.	—	
47	SPLIT HUB	6	SEE DETAIL.	SA193GrBM CL.1/SA194 GrBM CL.1	
46	KEY	2	36x22x170LG.	SS316L.	
45	LOCK NUT.	16	M18	SA193GrBM CL.1/SA194 GrBM CL.1	
44	KEY.	3	40x25x100.	SS316L.	
43	BOLTS + NUTS.	1	M16 x 150LG.	SA193GrBM CL.1/SA194 GrBM CL.1	
42	TOP SHAFT.	1	160ø x 1965 LG	SA479 TP316L	
41	RIGID COUPLING.	2	60THK x AS SHOWN.	SA240 Gr316L.	
40	BOTTOM SHAFT.	1	160ø x 4966 LG	SA479 TP316L	
39	GUSSET	1	25THK x SEE DETAIL.	IS2062 GrA.	
38	TOP COVER BASE PLATE.	1	25THK x SEE DETAIL.	IS2062 GrA.	
37	BEARING TOP COVER PLATE.	1	370 OD x 123 ID x 45THK.	IS2062 GrA.	
36	BEARING TOP COVER BOTTOM PLATE.	1	370 OD x 250 ID x 28THK.	IS2062 GrA.	
35	CONE SHELL	1	10THK x AS SHOWN.	IS2062 GrA.	
34	BOLTS	16	M16 x 150-LG.	IS1367 CL4.6	
33	GASKET	1	260 OD x 250 ID x 0.5THK.	TEFLON.	
32	TOP TAPER ROLLER BEARING.	1	SKF 22228	SS	
31	TOP BEARING HOUSING.	1	370 OD x 238 ID x 89THK.	IS2062 GrA.	
30	BEARING HOUSING PIPE.	1	12"NB x SCH40 x 380-LG.	SA106 GrA	
29	BOLT	4	M6 x 18LG.	IS1367 CL4.6	
28	GLAND.	1	163 ID x 213 OD x 20THK.	IS2062 GrA.	
27	PACKING.	2	160 ID x 172 OD x 6THK.	ASBESTOS.	
26	BOLTS + NUTS.	12	M14 x 80 LG.	IS1367 CL4.6/4	
25	COVER.	1	354 OD x 161 ID x 25THK.	IS2062 GrA.	
24	GASKET.	1	271 ID x 281 OD x 0.5THK.	TEFLON.	
23	BOTTOM TAPER ROLLER BEARING.	1	SKF 22230	SS	
22	BOLTS + NUTS.	36	M16 x 90 LG.	IS1367 CL4.6/4	
21	BOTTOM BEARING HOUSING.	1	258 ID x 800 OD x 88THK.	IS2062 GrA.	
20	BOLTS + NUTS.	36	M16 x 90 LG.	IS1367 CL4.6/4	
19	LANTERN STOOL TOP FLANGE.	1	800 OD x 685 ID x 30THK.	IS2062 GrA.	
18	LANTERN STOOL SHELL.	1	2093 LG x 564 W x 16THK.	IS2062 GrA.	
17	LANTERN STOOL BOTTOM FLANGE.	1	800 OD x 575 ID x 30THK.	IS2062 GrA.	
16	BOLTS + NUTS.	4	M24 x 150LG.	IS1367 CL4.6/4	
15	GLAND.	1	350 OD x 163 ID x 75HT.	IS2062 GrA.	
14	BOLTS + NUTS.	16	M16 x 90LG.	IS1367 CL4.6/4	
13	COUPLING.	2	1/2" BSP.	SS316L.	
12	STUFFING BOX JACKET SHELL.	1	145 W x 770 LG x 5THK.	IS2062 GrA.	
11	STUFFING BOX TOP FLANGE	1	350 OD x 211 ID x 20THK.	IS2062 GrA.	
10	STUFFING BOX SHELL.	1	629 LG x 200 W x 8THK.	SA240 Gr316L.	
9	GLAND PACKINGS.	9	16 x 16 SQ.	ASBESTOS.	
8	BUSH	1	160 ID x 192 OD x 50 HT.	TEFLON.	
7	STUFFING BOX BOTTOM FLANGE.	1	430 OD x 177 ID x 25THK.	IS2062 GrA.	
6	SLEEVE.	1	554 LG x 25 W x 3THK.	SA240 Gr316L.	
5	LINING.	1	330 OD x 176 ID x 3THK.	SA240 Gr316L.	
4	GASKET	1	330 OD x 280 ID x 3THK.	TEFLON.	
3	LINING.	1	330 OD x 286 ID x 3THK.	SA240 Gr316L.	
2	SLEEVE.	1	890 LG x 27W x 3THK.	SA240 Gr316L.	
1	AGITATOR PAD PLATE.	1	800 OD x 286 ID x 62THK.	IS2062 GrA.	

BILL OF MATERIAL

AS-BUILT DRG.

PURCHASE ORDER No.:- 660009 DTD 28.06.2001
QTN. No. :—

SFCCL.

DIPESH ENGINEERING WORKS.

PROJECT:- DIVERSIFICATION IV. SUPERPLASTICIZERS PROJECT.

CLIENT :- M/s.-SAUDI FORMALDEHYDE CHEMICAL COMPANY LIMITED.

DRN.BY.	IMRAN
CHD.BY.	
APPD.BY.	
QTY. REQD.	ONE No.
SCALE.	:-
DATE.	:-

TITLE:-
GENERAL ASSEMBLY & DETAILS OF SS.316L 160ø SHAFT AGITATOR. FOR NEUTRALIZER PRESSURE VESSEL.
EQPT NO. R-65301 (CAP. 46000Ltrs.)

DRG.No. DEW/185/2001 | SHT. 5 OF 5 | REV.- 1

FILE NAME:- DEW