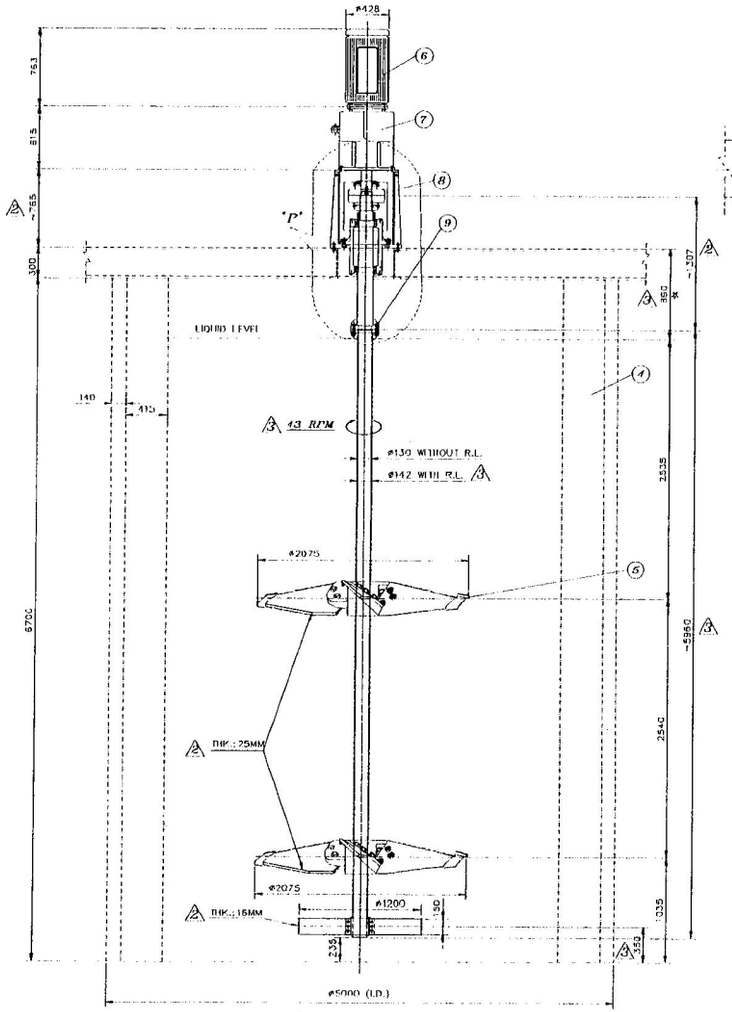
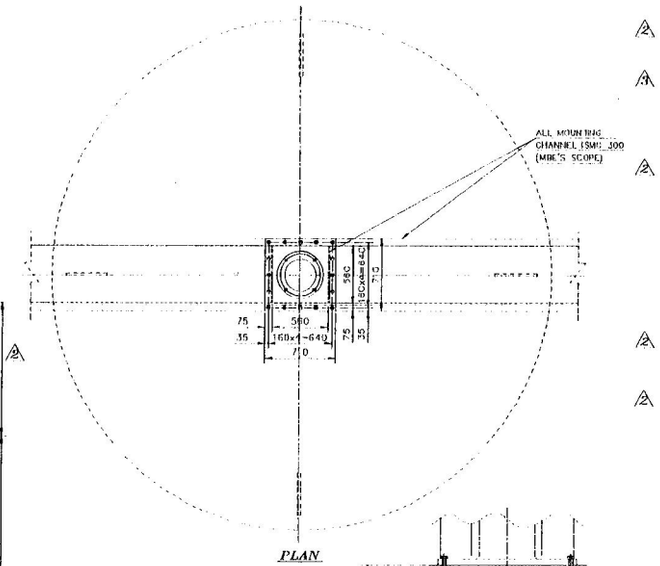
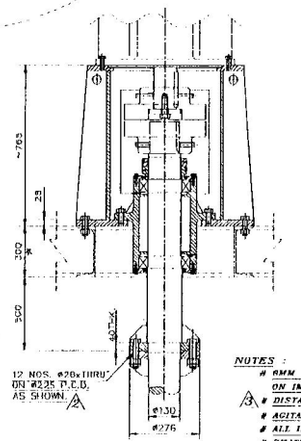


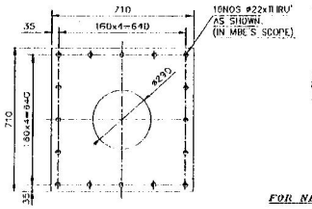
ELEVATION



PLAN



DETAIL AT 'T'



MOUNTING PLATE DETAILS

FOR NEUTRAL FILTER FEED SURGE TANKS

	(1) THIS DRAWING IS NOT TO SCALE
MILLIMETRES	(2) DIMENSIONS ARE IN
MS+RL MS+RL	(3) MATERIAL OF IN -TANK MIXER PARTS SHAFT IMPELLER BLADES
4	(4) TANK BAFFLES (BY MBE)
41 3(AS10/E22) 3(AS10/F22) 2(KICKER)	(5) IMPELLER SPEED (REV/MIN) NUMBER OF BLADES (TYPE) UPPER IMPELLER MIDDLE IMPELLER LOWER IMPELLER (IMPELLER HUBS ARE WELDED TO SHAFT AND BLADES ARE BOLTED TO HUBS.)
86	CRITICAL SPEED(REV/MIN)
NIL	IMPELLER ADJUSTMENT UPPER IMPELLER LOWER IMPELLER
30 KW 1475 200L 415/3/50	(6) MOTOR IEFC/B55/VERTICAL FLANGE MOUNTED/SID SPEED (REV/MIN) CGL MAKE FRAME RATING (V/ph/Hz)
HELICAL	(7) GEAR BOX : M1420/34.51.1/P200L/V1/PBL MAKE
RB 360	(8) FLEXIBLE COUPLING : PIN & BUSH TYPE.(LOVEJOY MAKE)
MS	(9) RIGID FLANGE (LIGHTNIN DESIGN)
35.130 KN. 25.46 KNm. 43.59 KNm.	(10) DESIGN DATA DOWNWARD LOAD TORQUE BENDING MOMENT DESIGN LOADS ARE GREATER THAN ACTUAL LOADS BY A SUITABLE FACTOR CONSISIENT WITH CONSTRUCTION CODES AND LIGHTNIN EXPERIENCE LIGHTNIN SHALL APPROVE THE AGITATOR MOUNTING DETAIL DIMENSIONS. MBE TO DESIGN THE SUPPORT STRUCTURE BASED ON LOADS ON THE STRUCTURE PROVIDED IN THIS DRAWING.
2.55 KN.	FORCE ON EACH BAFFLE FOR BAFFLE DESIGN CALCULATED LOAD TO BE CONSIDERED AS A POINT LOAD ACTING AT THE INNER EDGE OF THE BAFFLE OPPOSITE THE IMPELLER CENTRE LINE. THE LOAD IS A LIVE LOAD & FLUCTUATING COMPONENT BE CONSIDERED TO BE ACTING ABOUT THE SAME POINT AS DETAILED ABOVE.THE MAGNITUDE OF THIS FLUCTUATING COMPONENT IS TO BE CONSIDERED AS 50% OF THE CALCULATED LOAD. FORCING FREQUENCY IS 3 TIMES THE SHAFT ROTATION FREQUENCY. BAFFLE DESIGN IS THE RESPONSIBILITY OF THE VESSEL MANUFACTURER.
525 kg 282 kg 1230 kg 2037 kg	(11) MIXER WEIGHT GEAR BOX MOTOR SHAFT/IMPELLERS/COUPLING/LANTERN/BRG HSG. TOTAL

MIXER QTY. 2NOS.

NOTES :

1. 6MM THK. NATURAL RUBBER LINING,HARDNESS:65 +5 SHORE 'A' ON IMPELLER & SHAFT.
2. DISTANCE BETWEEN LIQUID LEVEL & MOUNTING PLATE TO BE MAINTAINED BY MBE
3. AGITATOR MOUNTING FASTENERS & GASKET ARE IN MBE'S SCOPE.
4. ALL INTANK(WETTED) HARDWARES WILL BE IN SS:316
5. SHAFT DEFLECTION 1 MM PER METER.
6. PARALLELITY OF AGITATOR MOUNTING PLATE SHOULD BE LESS THAN 1 MM PER METER DIAMETER.
7. AFTER ERECTION & ALIGNMENT, RUBBER CAP SHALL BE PROVIDED ON ALL INTANK HARDWARE.

HORIZONTAL LOAD = 2180 N.
VERTICAL LOAD = 13200 N.

REV	ZONE	DATE	DESCRIPTION	SIGN
2	-	03.12.2008	DRAWING REVISED AS PER CLIENTS COMMENT	RRK
1		07.11.2008	DRAWING REVISED AS PER CLIENTS COMMENT	RRK
3	-	10.12.2008	DRAWING REVISED AS PER CLIENTS COMMENT	RRK

EXECUTOR	MCNALLY BHARAT ENGG. CO. LTD.
CUSTOMER	URANIUM CORPORATION OF INDIA LTD.
RLML C.O.No.	604
MBE'S P.O.No.	14482; S0:07913 DATED:-25.09.2008

RATHI LIGHTNIN MIXERS PVT LTD.
1162/2 SHIVAJINAGAR,BEHIND OBSERVATORY,PUNE - 411 005 (INDIA)

	SIGNATURE	DATE D M Y
DRAWN	RRK	18 10 2008
CHECKED		
APPROVED		

TITLE: G.A.FOR AGITATOR ASSEMBLY : RLGHQ-30

EQUIPMENT TAG NO.3AC-3A,B

REFERENCE DRG. No.
REPLACES DRG. No.
SCALE 1:26
DRAWING No 0 0 0 6 0 4 0 0 2
REV. 3
SHEET 1 OF 1

Rlghq-30 * A2 * 1:26 D:RANAJIT:MCNALLY BHARAT:604:GA.