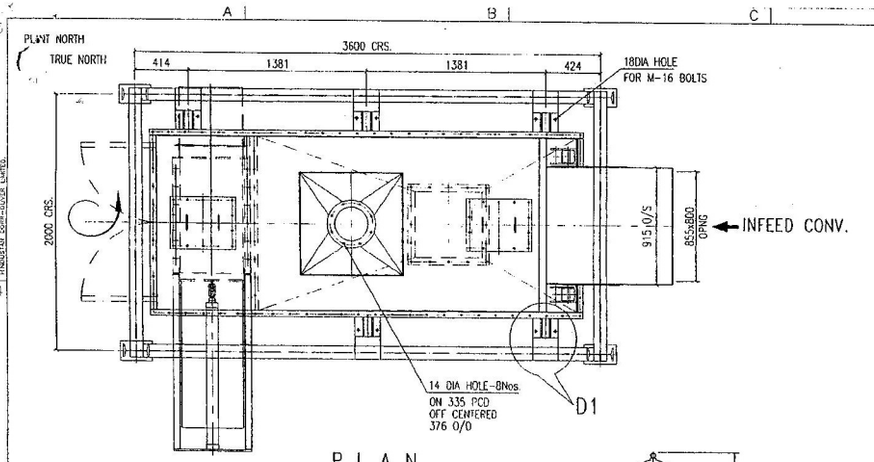
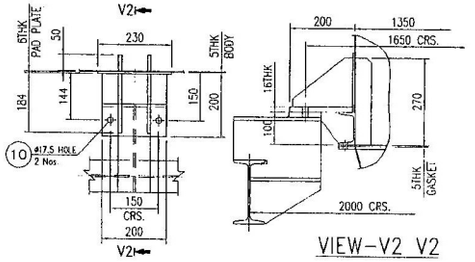
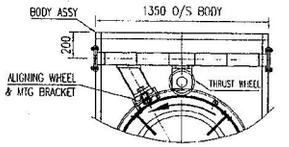


PLAN

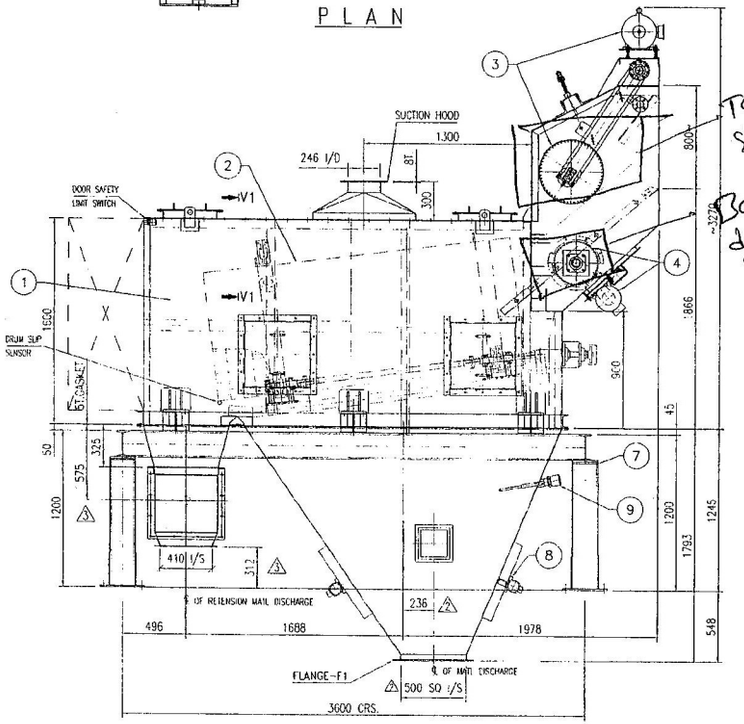


DETAIL OF D1

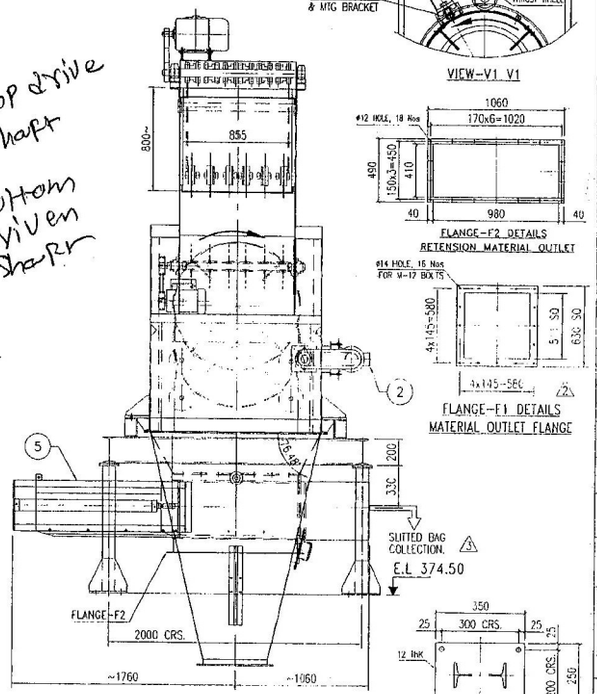
VIEW-V2 V2



VIEW-V1 V1



ELEVATION



SIDE VIEW

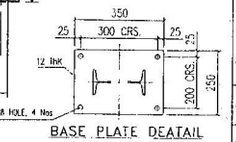
(LOOKING FROM BAG FEED END)

FLANGE-F2 DETAILS

RETENSION MATERIAL OUTLET

FLANGE-F1 DETAILS

MATERIAL OUTLET FLANGE



BASE PLATE DEATAIL

TECHNICAL SPECIFICATION

EQUIPMENT TAG No. : 11 BSM-01
MATERIAL HANDLED : QUICK LIME/SODIUM BICARBONATE
REQUIRED THROUGHPUT : 30 TPH
BULK DENSITY (Kg/m3) : 880 TO 960 Kg/m3
PARTICLE SIZE : 0-40mm (70%), MAX. 100mm (30%)
CAPACITY : 600 BAGS/HR
APPLICATION : FOR SLITTING BAGS FILLED WITH QUICK LIME PACKED IN POLYETHILENE/ HDPE STICHED
BAG SIZE HANDLED : 800Lx550Wx250MM
MAX LUMP SIZE : 100 mm
WEIGHT OF THE BAG : 50 Kgs.
TOP KNIFE SPEED : 1000 RPM
BOTTOM KNIFE SPEED : 1500 RPM
TUMBLE DRUM SPEED : 55-60 RPM ⚠

INSTALLED POWER RATING

Sl. No.	MOTOR/ GEARED MOTOR FOR	POWER RATING IN kw
1	FLOATING BLADE ASSLY (TOP KNIFE) 1000 RPM x 6 NOS	1.1
2	BOTTOM KNIFE ASSLY 1500 RPM x 6 NOS	1.1
3	TUMBLE DRUM	1.1
4	VIBRO MOTOR-1	0.18
5	VIBRO MOTOR-2	0.18
	TOTAL	3.66

SURFACE PREPARATION & PAINTING

INTERNAL SURFACE
SURFACE FINISH : SAND BLASTING AS PER SWEDISH STANDARD SA-2 1/2
PRIMER : 2 COAT OF EPOXY RESIN BASED ZINC RICH PRIMER. DFT OF 25 MICRON PER COAT MINIMUM.

EXTERNAL SURFACE
SURFACE FINISH : SAND BLASTING AS PER SWEDISH STANDARD SA-2 1/2
PRIMER : 2 COAT OF EPOXY RESIN BASED ZINC RICH PRIMER. DFT OF 25 MICRON PER COAT MINIMUM.
FINISH PAINT : 1 OVERCOAT OF EPOXY PAINT OF 25 MICRON DFT
2 OVERCOAT OF EPOXY GLOSSY ENAMEL PAINT 50 MICRON DFT EACH.
1 OVERCOAT OF ACRYLIC POLYURETHANE GLEAR PAINT OF 35 MICRON DFT
SHADE : SMOKE GREY

NOTE:-
1 ALL DIMENSIONS ARE IN MM & LEVEL ARE IN METERS

LOAD DATA DETAILS

No. OF FOOTINGS	STATIC LOAD ON EACH FOOTING (STATIC+DYNAMIC)
1 TO 4 EACH HOD	1.5 T MAX

TOTAL WT. : ~5500Kg.

ITEM No.	DESCRIPTION	MTRL.	QTY.	REMARKS
10	M16x40Lg HEX HD BOLT WITH NUT & 2 PLAIN WASHER	STD	16 SET	
9	LEVEL SENSOR : ADMITTANCE TYPE	STD	1 No.	
8	VIBRO MOTOR 180 WATT		2 No.	
7	SUPPORTING STRUCTURE	IS 2062	1 SET	
6	BOTTOM HOPPER 5THK ⚠	IS 2062	1 No.	
5	BAG PUSHER (PNEUMATIC OPERATED)	STD	1 No.	AIR FLOW & PRESSURE 4 cfm AT 6 kg/cm2 FAD ⚠
4	BOTTOM KNIFE ASSLY WITH DRIVE MOTOR(1500 RPM)	IS 2062	1 No.	350 DIA x SET OF 6 BLADES.
3	FLOATING BLADE ASSLY WITH DRIVE MOTOR(TOP KNIFE 1000 RPM)	IS 2062	1 No.	500 DIA x SET OF 6 BLADES.
2	TUMBLE DRUM WITH MOUNTING FRAME & DRIVE ASSLY	IS 2062	1 No.	1000 DIA x 2350 Lg.
1	BAG SLITTING MACHINE BODY	IS 2062	1 No.	

FOR STAMPING

TECHNOLOGICAL SUPPLIER
SCORPIO ENGINEERING PVT LIMITED
BANGALORE INDIA

SEPL DRG No. 2-4598C REV. R3

CLIENT: URANIUM CORPORATION OF INDIA LTD. (A GOVERNMENT OF INDIA ENTERPRISE)

PROJECT: URANIUM ORE PROCESSING PLANT AT TUMMALAPALLE, A.P. PKG.NO. UCTL-2

CONSULTANT: DEVELOPMENT CONSULTANTS PVT. LTD.

EPC/TURNKEY CONTRACTOR: DORR-OLIVER, HINDUSTAN DORR-OLIVER LTD. ENGINEERING DIVISION MUMBAI CHENNAI AHMEDABAD BENGALURU

HDOL SO NO.

TITLE: GA OF BAG SLITTING MACHINE (TAG No.- 11 BSM-01)

SCALE 1:25 | HDOL DWG.NO. A1-7090127-ED-M-125 | SHT.NO. 1 OF 1 | REV. R3

UCIL DWG.NO. UCTL-02-DOC-M-LH-CS-0002 | SHT.NO. X OF Y | REVISION R1-0|3

DWG. NO. :-UCTL-02-DWG-P-LT-PI-001

NO.	REVISIONS	BY	CHK.	APPR.	DATE	DWG.NO	REFERENCE DRAWINGS
⚠	DRAWING REVISED AS PER CLIENTS COMMENTS DAILD 23.2.12	HSM	LSK		24/2/12		
⚠	LOAD DATA CORRECTED, PAINT SPEC ADDED, TUMBLE DRUM SPEED ADDED, DISCHARGE HOPPER MADE 236 TAV OFFSET FROM HOPPER CENTER, MATERIAL OUTLET FLANGE DETAIL REVISED AS PER HDO COMMENTS, BOTTOM HOPPER THICKNESS CHANGED TO 5 MM	HSM	LSK		14/2/12		
⚠	DRAWING REVISED AS PER CLIENTS COMMENTS DATED 07.2.12	HSM	HSM		8/2/12		
⚠	FIRST ISSUE	HSM	HSM		31/1/12		

SEPL JOB No.-J11-1072

	DATE	BY	SIGN
DRAWN	31/1/12	HSM	
CHECKED	31/1/12	HSM	
APPROVED	31/1/12	LSK	
SCALE :- 1:25	PROJECTION :		
MADE FROM SCORPIO ENGINEERING PVT LIMITED BANGALORE INDIA		DWG. SIZE A2	

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