

## ANNEXURE -"A"

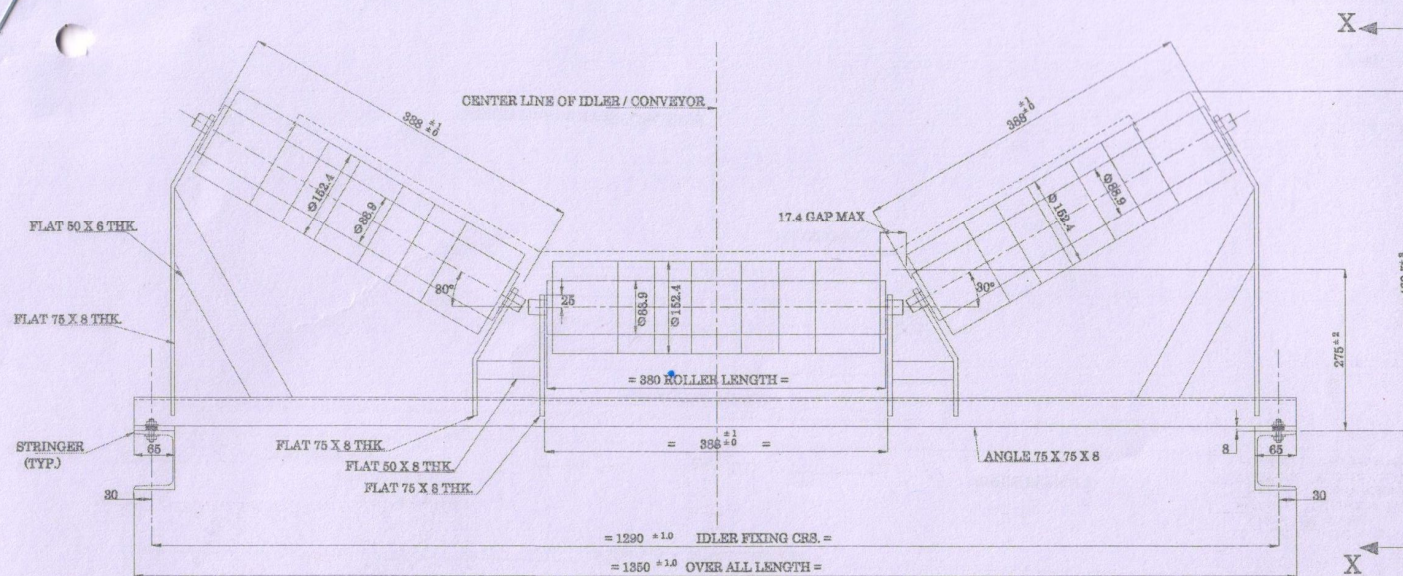
SUPPLY OF IMPACT IDLERS FOR 1000MM BELT CONVEYOR

PR No

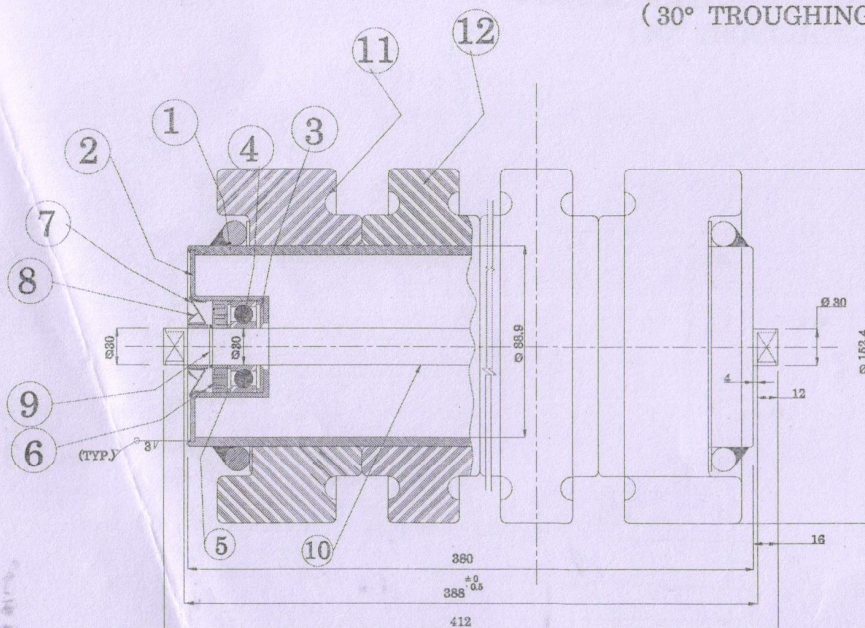
Dt:

SL. NO.	MAT. CODE	DESCRIPTION	BELT CONVEYOR WIDTH	DRAWING Number	Unit code	Stock in hand	Consumption rate	Item cat.	Qty. Reqd. (No's)
01	3.019.003.006	30 <sup>0</sup> IMPACT IDLER 152.4 $\phi$ O.D TUBE WITH 88.9 $\phi$ O.D RUBBER ROLL AND 30 $\phi$ BEARING	1000mm	UCIL/TMPL/MECH/CS/GA/ 117 SHEET 7 OF 27	01				60

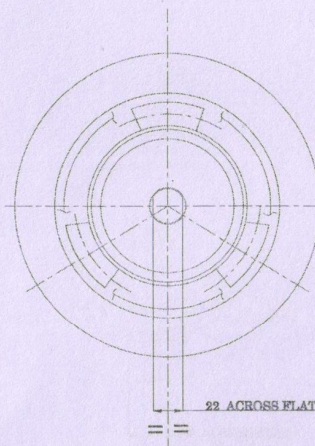
1  
Page 5



3 EQUAL ROLL IMPACT IDLER  
(30° TROUGHING)



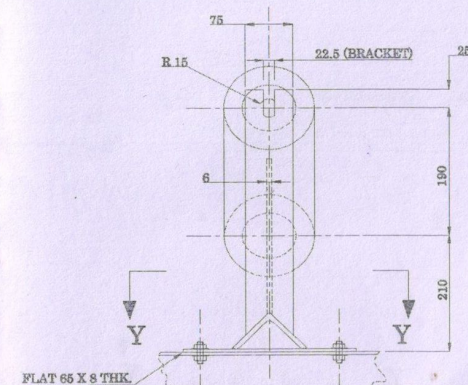
ROLL DETAIL



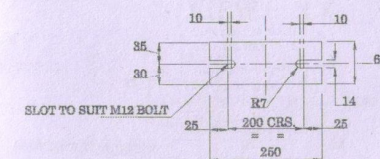
NOTES :-

1. ALL DIMENSIONS ARE IN MM, UNLESS OTHERWISE SPECIFIED
2. BEARING LIFE, 40,000 HRS. MINIMUM
3. SEALING - LITHIUM BASED GREASE PACKED & SEALED FOR LIFE
4. IDLER WILL BE DUST PROOF, WATER PROOF, & WEATHER PROOF
5. DIMENSIONS AS PER IS : 8098
6. IDLERS ARE DROP IN TYPE & ROLLS CAN BE REMOVED WITHOUT DISMANTLING THE BRACKETS FROM THE CONVEYOR STRUCTURE
7. ALL ROLLS ARE INTERCHANGEABLE FOR THE SAME BELT WIDTH.
8. IDLER FRAME MATERIAL - IS : 2062 GR FE 410 WA
9. HOUSING AT BOTH ENDS SHALL BE WELDED SIMULTANEOUSLY BY DOUBLE HEADED AUTOMATIC WELDING MACHINE
10. THE ROLLER SHALL BE MACHINED AT BOTH ENDS IN SINGLE SETTING
11. TESTING & INSPECTION WILL BE AS PER APPROVED QAP
12. IDLERS ARE PROVIDED WITH DOUBLE LABYRINTH SEALING
13. ALL FILLET WELDS ARE 6 MM LEG SIZE.
14. PAINTING : CLAUSE NO. 9.04 & 9.05 OF PAINTING SPECIFICATION
- 14.1. SURFACE PREPARATION, PAINTING AND SURFACE PROTECTION
- 14.2. THE SURFACE SHALL BE PREPARED BY WIRE BRUSHING
- 14.3. TYPE OF PAINT:
  - A) FOR ROLLER END CAP & BRACKET
  - A) PRIMARY - 2 COATS X 30 DFT IN MICRONS PER COAT X
  - RED - OXIDE ZINC CHROMATE
  - B) FINISH - 2 COATS X 30 DFT IN MICRONS PER COAT X
  - SYNTHETIC ENAMEL
  - C) TOTAL DFT = 120 MICRONS
- 14.3. FINISH PAINT SHADE TO BE INTIMATED LATTER ON.
15. THIS DRAWING CONJUNCTION OF SC TO 19C
- AS PER IDLER SCHEDULE
- DOC. NO. 2 - M009 - MD - 1 - 003, SHT. 1 OF 3
16. THIS DRAWING CONJUNCTION OF 12 AS PER
- IDLER TUBE SPECIFICATION
- DOC. NO. 2 - M009 - MD - 1 - 003, SHT. 2 OF 3 & 3 OF 3

ALL DIMENSIONS ARE IN MM



VIEW - XX



VIEW - YY

ITEM NO.	DESCRIPTION OF IDLER	NO. REQD. PER ROLL	MATERIAL SPECIFICATION
1	ROLL	1	Ø68.9 ± 0.05 THK MIN. NEW PIPE, IS : 8286 - 1988 GRADE - YTF - 210
2	BEARING HOUSING (DEEP DRAWN)	2	CRCA SHEET
3	INNER SEAL	2	NYLON - 6
4	SEIZE RESISTANT BEARING dn = 303 (BRG. MODEL NO. : 420205 / EQIV.)	2	FAG / SKF / TIMKEN
5	INNER LABYRINTH SEAL	2	NYLON - 6
6	OUTER LABYRINTH SEAL	2	NYLON - 6
7	DUST COVER	2	CRCA SHEET
8	RAIN CAP	2	NYLON - 6
9	CIRCLIP (25 X 1.2N IS : 3075, PART - 1)	2	SPRING STEEL
10	SHAFT (S : 1570)	1	EN8 / C - 40
11	CHAPER BUSHES DIAM Ø.D = 68.9 & O.D = 61.2 ± 0.05	7	NATURAL RUBBER SHORE HARDNESS 80 ± 5 °A
12	SIDE BUSHES DIAM Ø.D = 68.9 & O.D = 61.2 ± 0.05	2	NATURAL RUBBER SHORE HARDNESS 80 ± 5 °A

URANIUM CORPORATION OF INDIA LIMITED A GOVT. OF INDIA ENTERPRISE TUMMALAPALLE PROJECT	
DRAWN BY : M.RAMANJANEYULU	ASSEMBLY OF 30° IMPACT IDLER 162.40 O.D. TUBE WITH 68.90 O.D. RUBBER ROLL AND 300 BEARING FOR 1000MM BELT CONVEYOR
CHECKED BY :	
APPROVED BY :	UCIL / TMPL / MECH / CS / GA / 117
DATE : 22.11.2012	REV NO. 00 SHEET NO. 7 OF 27

Page 5