



GEAR DATA	
NO OF TEETH	42
MODULE (DP=4.85)	5.237
ADDENDUM	3.556
WHOLE DEPTH	9.881
PITH DIA.	219.964
PITCH ANGLE.	52°-42'
PRESSURE ANGLE	20°
SPRIAL ANGLE L.H.	30°
DED.ANGLE	2°-37'
CONE DISTANCE	138.265
FACE	38.1

**NOTES :-**

1. BEVEL GEAR TO BE MESHED WITH BEVEL PINION TO SKETCH NO. TME/SKETCH/1005. NOMINAL BACKLASH 0.12 TO 0.28 BEVEL GEAR TO BE LAPPED IN PAIRS. TO ACHIEVE MIN-50% LAPPED SURFACES.
2. TEETH TO BE CASEHARDENED AND TEMPERED. EFFECTIVE CASE AT 500 HV TO BE WITHIN 1.3 TO 1.4 MM PITCH LINE RUN OUT NOT TO EXCEED 0.1 MM AFTER HARDENING AND LAPPING.
3. ALL SHARP EDGES AND CORNERS TO BE REMOVED.
4. MACHINE ALL OVER.
5. AFTER LAPPING GEARWHEEL TEETH ARE TO BE MCD TESTED.
6. HARDNESS ON TEETH FACE 59-61 RC.
7. ALL DIMENSION ARE IN MM.

BEVEL GEAR	IS:4432 Gr.15Ni7Cr4Mo2	12.71
DESCRIPTION	MATL. SPCN.	UNIT WT.

TITLE: **SPIRAL BEVEL GEAR**

SKETCH NO. **TME/SKETCH/1004**