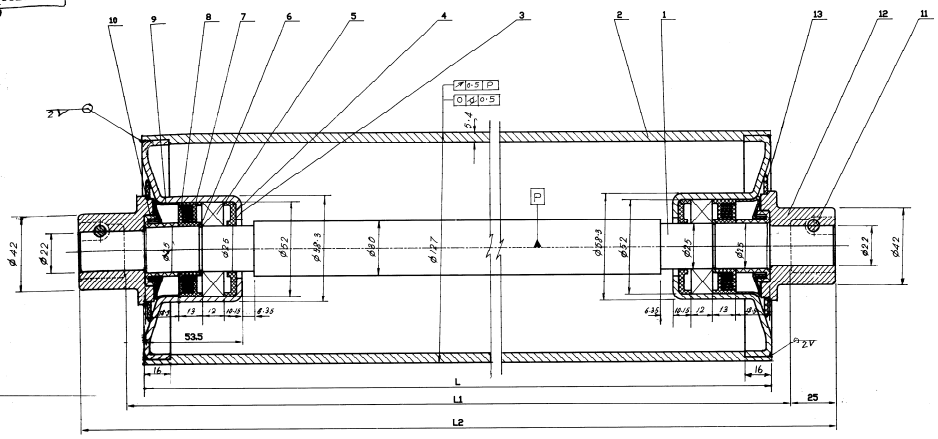
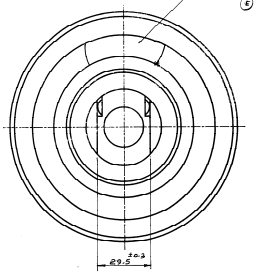
M45-0522





TABLE

BELT WIDTH	TYPE	DIMENSIONS L	L1	L2	SPINDLE DRG. NO.	SPINDLE WT. KG	PIPE DRG. NO.	PIPE WT. KG	ASSEMBLY DRG. NO.	ASSEMBLY WT. KG
1200	B-RB-35-1	430	447	497	M45-0527	2.43	M45-0530D	6.90	M45-0524 A/C	11.738
1000	B-RB-34-1	360	377	427	M45-0526	2.04	M45-0529D	5.80	M45-0523 A/C	10.248
800	B-RB-33-1	290	307	357	M45-0525	1.60	M45-0528D	4.65	M45-0522 A/C	8.659

TECHNICAL INSTRUCTIONS:-

1. ROLLER SHOULD ROTATE FREELY AND SMOOTHLY BY HAND ON ITS AXIS.
2. PERMISSIBLE DEVIATION OF OUTER SURFACE OF OUTER PIPE w.r.t. SPINDLE AXIS IS 0.5 MM.
3. MAXIMUM PERMISSIBLE LATERAL MOVEMENT OF ROLLER IS 0.5 MM.
4. BLANK SPACE WITHIN SHIELD, LABYRINTH SET, HOUSING COVER, BUSH & 20% BEARING SPACE SHALL BE FILLED UP WITH (A) ~~HIGH QUALITY~~ LITHIUM BASED LUBRICATING GREASE ~~SPECIFIED OR EQUIVALENT~~ OF REPUTED MAKE.*
5. NYLON 6 MATERIAL TO BE OF ~~20%~~ GLASS FILLED AND SHOULD FULFILL THE FOLLOWING PROPERTIES:-
   (a) YIELD STRENGTH (MPa) : 100
   (b) SPECIFIC GRAVITY : 1.22-1.30
   (c) TENSILE STRENGTH (MPa) : 200
   (d) ELONGATION AT BREAK % : 300
   (e) HARDNESS ROCK WELL : R120
   (f) ULTIMATE THERMAL EXPANSION (COEFFICIENT $K^{-1} \times 10^{5}$) : 8-8.3
   (g) MELTING TEMPERATURE (°C) : 230

6. THE NAME OF THE MANUFACTURER TO BE EMBOSSED AS SHOWN IN END VIEW OF THE DRAWING.
   MARKING TO INCLUDE P.O. NO. WITH DATE. (E)
7. ITEM TO BE PAINTED WITH TWO COATS OF RED OXIDE PAINT WITH TWO COATS OF WEATHER RESISTANT SYNTHETIC ENAMEL. SHADE OF COLOUR TO BE AS PER ORDERING SPECIFICATION.

AGREED TO

Sd	Sd	Sd	Sd
D.LAKSHMAIAH	D.K.MISHRA	N.V.KAMATH	G.L.GARG
DGM(OD) BF	AGM I/C (M) RMHP	AGM I/C (M) SP	AGM I/C (M) CO&BPP

NOTE

~~BEARING SHOULD BE OF SKF OR FAG MAKE ONLY.~~

(C) BEARING NO. 45 TO BE E.G.O. SKF/FAG/FABL/NTN/CPZ ONLY. (~~Costs of~~ ~~Examination~~ ~~Test~~ ~~Drawings~~ ref Drawings Attached to Tender ~~and~~ ~~Clarifications~~ (will be) Made.)

SUPERSEDES DT 3.3.03.

(A) * Bharat Petroleum Corporation Ltd., M/s Balmer Lawrie & Co Ltd., Bharat Shell Ltd., Hindustan petroleum Corporation Ltd., I.B.P. Company Ltd., IOC Ltd, Tide Water Oil Co. (India) Ltd, Castrol India Ltd, Exxon Mobil Lubricant Pvt Ltd., Total Fina elf India Ltd.

(B) Revision done in light of discussion with CM(Maint) on 29.09.04. for [illegible] OPTIMA

* REF. PDK/2/30056/S-240/126 Dt. 25.11.97

Revision - E
1. TECHNICAL REQUIREMENT 7. ADDED.
2. DETAIL OF MANUFACTURING MARK REVISED.

for [illegible]
(S.K. BHATTACHARYA)
8.03.02

REVISIONS *			
DATE	SYMB	NAME	SIGN.
18.11.02	(B)	B.P. SINGH	
	(D)	J.P. SINGH	
8.03.02	C	J.P. SINGH	

		WELD METAL	-	-	02	MS	
M45-0539 A	13	DUST COVER	2	0.002	0.004	NYLON-6 WITHOUT GLASS FILLED	
M45-0538	12	END CAP	2	0.40	0.80	FG 200 IS:210-93	
192155-62	11	SNAP HEAD Ø6 RIVET	2	0.006	0.012	HR BAR IS:1149-93	
M45-0537	10	BUSH	2	0.005	0.010	NYLON-6	
M45-0536 A/C	9	HOUSING COVER	2	0.035	0.070	CR SD SHEET IS:513-86	
M45-0535 A/C	8	OUTER LABYRINTH	2	0.013	0.026	NYLON-6	
M45-0534 A	7	INNER LABYRINTH	2	0.014	0.028	NYLON-6	
306TSH-BF	6	CIRCLIP LIGHT A25	2	0.010	0.020	BOCS IS:2507-75	
1313 49205	5	SIZE 6 REQUIRED SHELL AND SEAL ASSEMBLY	2	0.170	0.340	SKF/FAG MAKE	SEE NOTE 1
M45-0533 A/C	4	SHIELD	2	0.014	0.028	NYLON-6	
M45-0532	3	BEARING HOUSING	2	0.52	1.04	CR SD SHEET IS:513-86	
SEE TABLE	2	PIPE (ERW)	1	SEE TABLE		YST 240 IS:9295-83	
SEE TABLE	1	SPINDLE	1	SEE TABLE		45CR IS:1570-79	
DRG. NO.	POS NO	DESCRIPTION	QTY	UNIT TOTAL WT. IN KG		MATERIAL	REMARKS

-	IDLER ASSEMBLY	1	SEE TABLE	ASSLY.	-	14	SEE TABLE
POS NO	DESCRIPTION	QTY	UNIT WTS	MATERIAL	GA/SLY. DRG. NO.	SC.	DRG. NO

	BOKARO STEEL PLANT						
SHOP	CO&BPP, SP, RMHP, BF						
UNIT	TROUGHING IDLERS						
DESCRIPTION OF DRAWING	TROUGHING IDLER (Ø127MM)						
BOKARO	DRAWN	D.K.M.		Ulaskhar	DATE	OCT'97	
	CHECKED	J.P.SINGH		J.P.S.	SCD NO	8730	
	SUBMITTED	J.SINGH			M45-0522 AE TO BC-E		
	RECOMMEND	C.P.MAHTRY					
	APPROVED				M45-0524 A/C		E