



**DEF-XX
SPINDLE TYPE-A**

SI NO	B/W	A	B	C	Dø	E	Fø	G	Hø	SHAFT DIA AT BEARING	BRG.NO.	BRG-MAKE	SKF/FAG/NBC	WT.OF ROTATING PARTS APPROX (KG)	WT.OF SINGLE PARTS APPROX (KG)	ROLL APPROX (KG)
1	1800	702	678	670	152.4	12	30.15	22	30	30	6206-Z			14	18	18

NOTE:-
 01. ALL DIMENSIONS ARE IN MM U.O.S.
 02. TUBE THICKNESS WILL BE 4.5 MM WITHOUT NEGATIVE TOLERANCE.
 03. ALL IDLER TUBE MATERIAL ERW AS PER IS:9295,(YST-210)-1983.
 04. BEARING LIFE IS 30000 WORKING HOURS, <B-10>.
 05. BEARING SIZE 6206-Z C3 CLEARANCE AND (MAKE-SKF/FAG/NBC).
 06. FRICTION FACTOR MAX 0.015 AS PER IS 11592-2000.
 07. IDLER ARE DUST PROOF, WATER PROOF & WEATHER PROOF.
 08. ALL IDLER ARE MANUFACTURE AS PER IS:8598-1987.
 09. SHAFT MATERIAL EN-8/C-40/C-45 BRIGHT BAR AS PER BS:970-1983/IS:1570-1979.
 10. TOTAL INDICATOR READING <THR-ON IDLER OD, WHEN ROTATED TO CHECK RUNOUT AS PER IS:8598-1987.
 11. PAINTING WILL BE AS PER CONTRACT SPECIFICATION:GID-208-ME-ECS-SA-4515-REV-2, TESTING AND INSPECTION WILL BE DONE AS PER APPROVED QAP TO BE USED.
 12. SEALING -GREASE PACKED AND SEALED FOR LIFE LITHIUM BASE GREASED TO BE USED.
 13. IDLERS ARE DROP IN TYPE & ROLLS CAN BE REMOVED WITHOUT DISMANTLING THE BRACKET FROM THE CONV. STRUCTURE.
 14. ALL ROLLS ARE INTERCHANGEABLE FOR THE SAME BELT WIDTH.
 15. IDLERS ARE PROVIDED WITH MULTI LABYRINTH SEALING.
 16. ALL SHARP CORNERS TO BE GROUND SMOOTH.
 17. ALL THE TESTING TO BE DONE AS PER IS:8598-1987.
 18. For Idler Schedule, refer Annexure -A, Sht 10 of 10

DETAIL-Y

WELDING

**DEF-XX
SPINDLE TYPE-A**

NOTES:-

SPECIAL NOTE:-

SHEET 3 of 10

REV.	REV.DT	DETAIL OF REVISION	BY	CHK. APP.	ACD/REF.DRW. NO	REVISED OF REF. DRW.

amps amps engineering & equipments pvt.ltd
Jamshepur

CUSTOMER:- BGR ENERGY SYSTEMS LTD

PROJECT:- IB THERMAL POWER STATION
2 X 660 MW UNITS 3 & 4

DESCRIPTION : G.A OF ROLLER FOR CARRYING IDLER - 1800 MM BELT WIDTH

SCALE NTS
DRW BY: ABUZER AMMARI, DT.-11/09/2015

DRAWING NO: AMPS/BGR/15-16/CIR-02
REV.C

SPINDLE TYPE-A

SI NO	QTY	DESCRIPTION	MATERIAL
10	1	SHAFT	SEE NOTE-09
09	1	TUBE	ERW - IS:9295
08	2	BEARING HOUSING	MAKE OF SHAKUN/HR END SHEET AS PER IS:1070.
07	2	RAIN CAP	NYLON-6
06	2	DUST COVER/END CAP Ø.5MM THK.	IS:513, CIRCA-DD
05	2	OUTER LABYRINTH	NYLON-6
04	4	CIRCLIP-A30/HEAVY DUTY	IS:3075
03	2	INNER LABYRINTH	NYLON-6
02	2	SINGLE ROW DEEP GROOVE BALL BEARING	6206-Z C3 CLEARANCE
01	2	NYLON BACK SEAL	NYLON-6

BILL OF MATERIAL

Painting Specification:-

SL NO	TYPE	TYPE OF PREPARATION	REFERENCE STANDARD
1	Grade of Surface Preparation	Power Tool Cleaning (Wire Wheel) - Wire brushy	SPCC-03
	DESCRIPTION	TYPE OF PAINT	No of Coats
2	Primer Coat	Light Grey Zinc Chromate	2
3	Final Coat	Synthetic enamel paint	2
4	Primer Coat	Light Grey Zinc Chromate	1
5	Final Coat	Synthetic enamel paint	1
6	Final Color/Shaft	Light Grey/Shaft	3x270