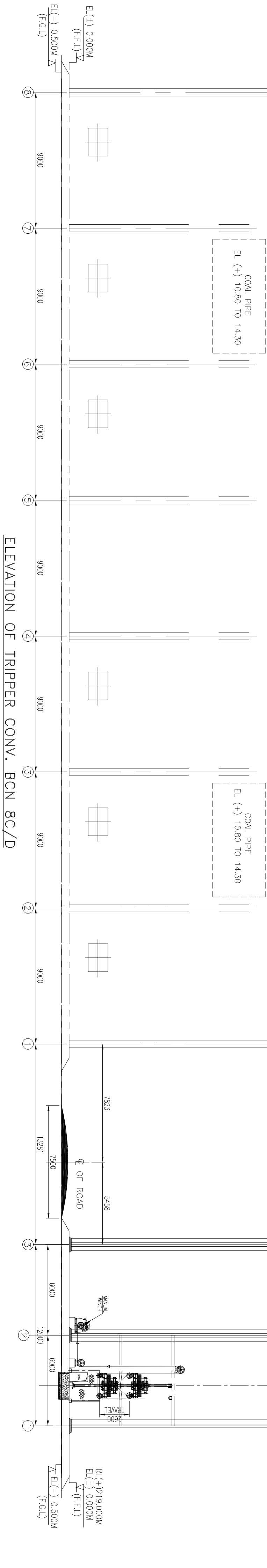
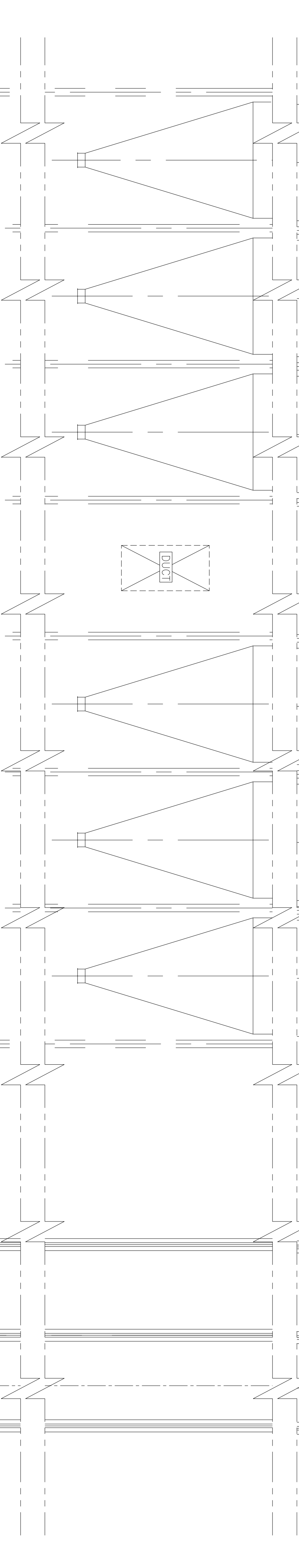
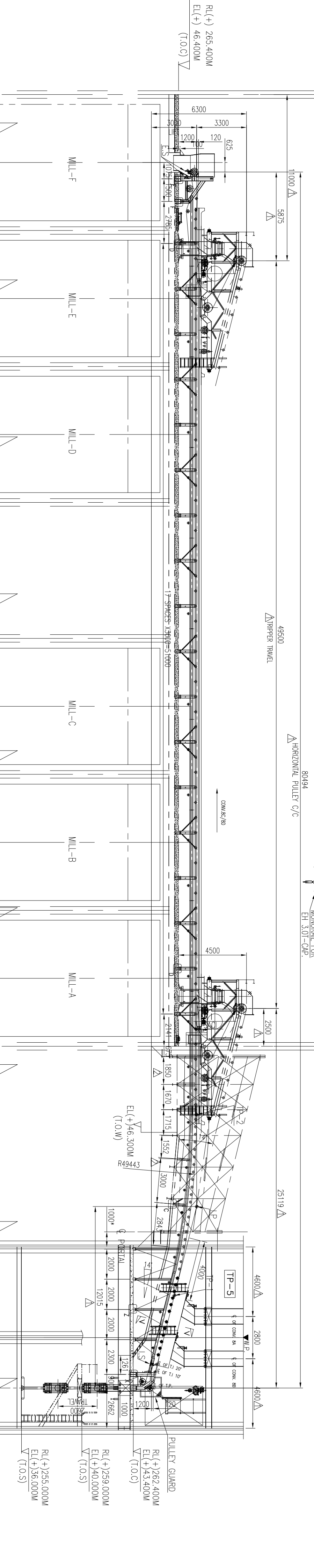
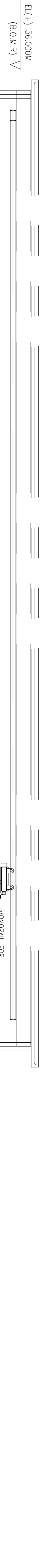
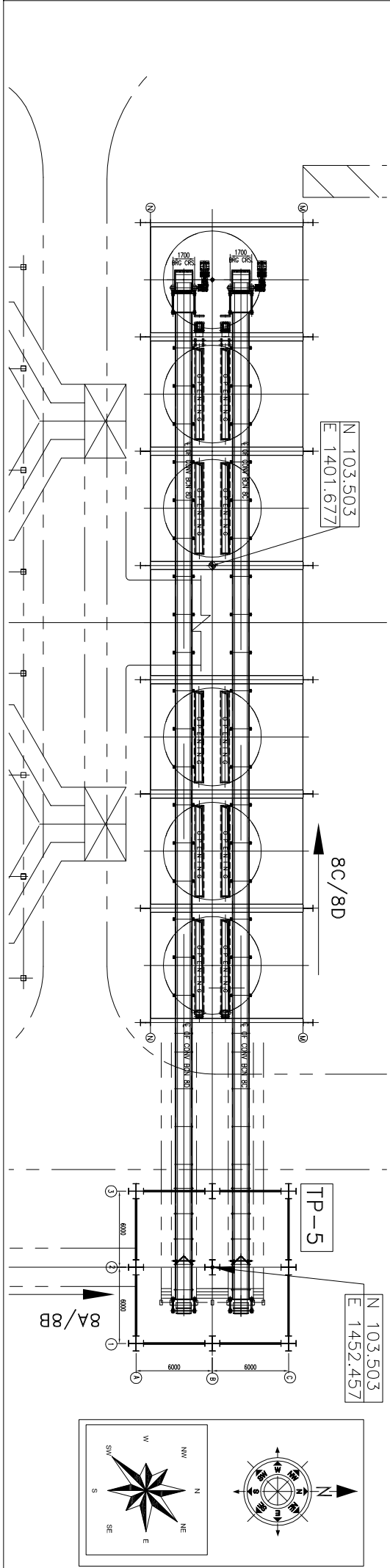
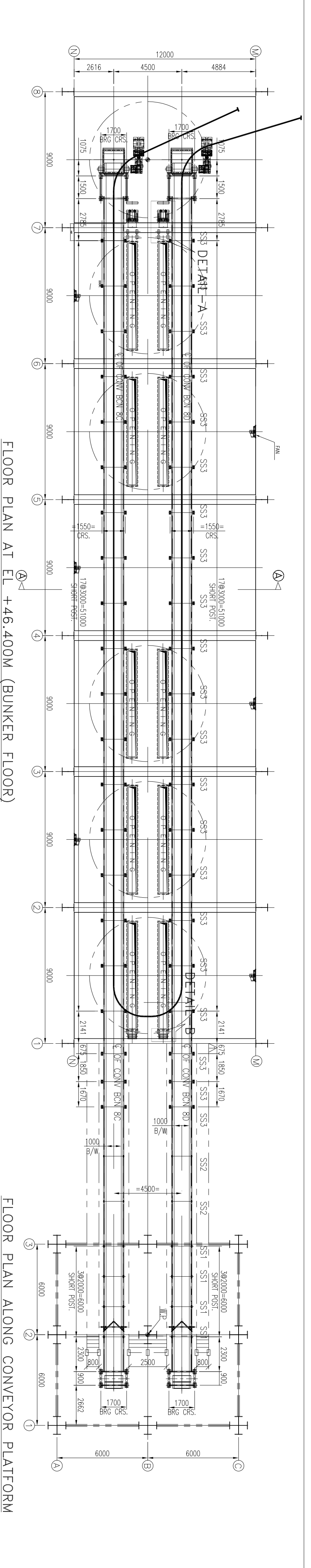


CUSTOMER : NTPC SAIL Power Supply Company Pvt. Ltd.				
PROJECT : 1X250 MW Rourkela Power Project PP-II				
Sl. No.	Comments zone	MECON/NSPCL comments	BHEL Compliance/Clarifications Dtd.	Remarks
Comments marked on the attached Drg.				
Document Title : GA & LOAD DATA OF CONV 8CD				
Document Number :IS-1-GA-708-101-M017, REV-03				
1	TECHNICAL SPECIFICATION	For pulley, shell thickness, type of bearing and bearing life to be furnished	These details shall be furnished in GA drawing of pulley; We confirm that the minimum shell thickness of head pulley shall be 16mm as indicated in the contract. Bearing number is indicated in the drawing. Type of bearing shall be Self aligning double row spherical roller. The minimum life of bearing shall be 50,000 working hours	
2	TECHNICAL SPECIFICATION	Type of bearing and bearing life etc to be furnished	The type of bearing is seize resistant ball bearing. Further details shall be furnished in the respective GA drawing. Minimum life shall be 40000 hrs	
3	TECHNICAL SPECIFICATION	Shore hardness details	Incorporated	
4	TECHNICAL SPECIFICATION	Minimum shaft diameter of deflector pulley	Incorporated	
5	TECHNICAL SPECIFICATION	Notes on BOI makes	Incorporated in the notes	
6	TECHNICAL SPECIFICATION	Necessary supporting arrangement shall be shown for the gallery	Incorporated. The structural gallery drawing of tripper conveyor has been superimposed and used in this drawing. We confirm for the gallery portal has been take care in bunker structural drawing.	
7	LOAD DATA	Loads due to belt pull on short/rail supports	Please note that the belt pull will not impart any load components to the short posts. Hence the same is left as blank	



ELEVATION OF TRIPPER CONV. BCN 8C/D



FLOOR PLAN AT EL. +46.400M (BUNKER FLOOR)

FLOOR PLAN ALONG CONVEYOR PLATFORM

REV	DATE	BRIEF RECORD	PRW	CHK	APP
2	26-9-17	REVISED AS PER MECON COMMENTS	J.S.	S.S.I.	V.A.
1	22-2-17	REVISED AS PER MECON COMMENTS	J.S.	S.S.I.	V.A.

SCALE	BHEL JOB NO.	BHEL ISC DES. NO.	IS-1-GA-708-101-M017	REV	NO.
1	1	1	1	1	1

TECHNICAL SPECIFICATION		QTY EACH	MAKE
CONVEYOR NO./EQUIPMENT NO.		BCN-8C/D	-
Belt Capacity/Design Capacity (TPH)		600/720	-
Belt Width (mm)/Troughing Angle		1000/35°	-
Vertical Lift (m)		3.000+3.300(Tripper RH)=6.300Δ	-
Horizontal Lift (m)		80.494M	-
Profile Length (mm)		91100	-
Endless Belt Length (Considering SAG) (mm)		180150	-
Speed (m/sec.)		3.2	-
Material		COAL	-
Bulk Density for Conector Sizing (TON/CU/M)		0.8	-
Lump Size (mm)		(-120	-
Moisture Content		15%	-
Material Temp.		AMBIENT (MAX. 50°)	-
Type		N/A	HD
Rating		630/4	-
Top Cover Thickness (mm)		3	-
Bottom Cover Thickness (mm)		11-14.35, 17-22.08, 12-12.77, 13-13.46, 14-13.56, 15-13.87, 16-12.72, 17-12.86, 18-20.86, 19-20.08	Δ
Belt Tension (kN) (Running)		Δ	-
Type of Joint		WELD/CRAWLED	-
Type		TEFC, E2, IP55	1 No.
Motor		415 V, 3 PHASE, 50 HZ	-
Supply Voltage / Duty		75	-
Type		BEVEL HELICAL	1 No.
Model No		CMB-200, FAN COOLED Δ	-
Ratio		YES	Δ
Rating kW		12.5:1 (Red)	-
Type		MECHANICAL, 105KW, THERMAL, 12KW	-
Coupling		FLUID TRACTION / HFD-8	1 No.
Type		80	Δ
Low Speed Rating		GEARED / FCC-7	1 No.
Type		330	-
Take Up		WGTU	-
Travel (mm)		2600	-
Counter Weight (N KG)		1530	-
Drive		8524X1700G2N-37C-4559H7125 BRBG	1 No.
Tail		8400X1000G2N-37C-4559H7110 BRBG	1 No.
Take-Up		2222X60X43124SN-524	1 No.
Belt		2222X60X43124SN-524	1 No.
SNG		4420X1700G2N-37C-4559H7125 BRBG	1 No.
Drive Pulley		4420X1700G2N-37C-4559H7125 BRBG	1 No.
All Other Pulleys		12 M DMMO GROOVE SHOEWHEELS X 65 DEG A	-
3 Roll 10° Transition Idlers		10 M 35 DEG A	-
3 Roll 20° Transition Idlers		10 M 35 DEG A	-
3 Roll 35° Carrying Idlers		10 M 35 DEG A	-
3 Roll 35° Impact Idlers		10 M 35 DEG A	-
3 Roll 35° Self Aligning Carrying Idlers @ 15m		10 M 35 DEG A	-
1 Roll Return Idler		10 M 35 DEG A	-
1 Roll Self Aligning Return Idler		10 M 35 DEG A	-
1 Roll Self Cleaning Idler		10 M 35 DEG A	-
Detector Roller		10 M 35 DEG A	-
Internal Scraper Type		V-BLOUGH TYPE	-
External Scraper Type		TOSSON ASM TYPE PU MULTI-BLADE	-
Skirt Board		SPRING BLADE WITH TUNGSTEN CARBIDE TIP	-
Deck Plate		3.15MM THK MS THROUGHOUT	-
Head Frame Tail Frame & Drive Base Frame		ROLLED SECTION/FAB STRUCT	-
Stringer		ISM-150	-
Short Support		ISM-125	-
Discharge Chute		20mm dia. TISSEROT BALL BEAT on sliding zone & driven ball drive	-
Seal Plate		12 GAUGE	-
Pul CORD SWITCH /LOCATION		25 M SPACING \ JAAGSHREE KANA	-
Belt SWM SWITCH/LOCATION		50 M SPACING \ JAAGSHREE KANA	-
Zero Speed Switch/LOCATION		ONE FOR EACH CONVEYOR MOUNTED AT TAIL PULLEY	-
Safety Switches		CHUTE BLOCK SWITCH	-
Bunker Belt Sealing		550 MM, 315/25HD, N-N, FR GRADE	-
One Conector Qty. Indicated		1 NO Δ	-

NOTES:-

1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS.
2. READ THIS DRG IN CONJUNCTION WITH SHEET 2 OF 3 & 3 OF 3.
3. ACTUAL BELT SPEED SHALL BE ±5% OF THE RATED SPEED
4. FOR DETAILS C/D2 REFER SHEET-3; FOR DETAILS A/B REFER SHEET 2
5. ALL BOLTS SHALL BE AS PER IS 1903
6. ALL BOLTS SPACING FOR PULLEY SHALL BE DOUBLE ROW SELF ALIGNING
7. SPHERICAL ROLLER TYPE

PROJECT: ROURKELA PP-II EXPANSION PROJECT (1X250 MW)

CONSP. NTPC-SAIL POWER COMPANY PVT. LTD.

CONSULTANT MECON LIMITED

BHARAT HEAVY ELECTRICALS LTD INDUSTRIAL SYSTEMS GROUP, BANGALORE

TITLE: G.A & LOAD DATA OF CONV 8C & 8D

REV	NO.	DATE	NO. OF SHEETS	NO. OF SHEETS
1	1	12-12-16	20-12-16	20-12-16
2	2	12-01-17	12-01-17	12-01-17

