

DRAWING NO.



NOTES:-

1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS,
2. THE FINISHED FLOOR LEVEL (F.F.L) OF POWER HOUSE BUILDING GROUND FLOOR IS EL. 0.00 WHICH CORRESPONDS TO RL 69.5M I.E. 0.5M ABOVE F.G.L.
3. BOILER AREA FINISHED GRADED LEVEL IS 200MM BELOW 0.00 I.E. RL 69.3M.
4. TRANSFORMER YARD FINISHED GRADED LEVEL IS 100MM BELOW 0.00 I.E. RL 69.4M.
5. STEPPED WALKWAY , IF CONVEYOR INCLINATION IS MORE THAN 8°.
6. ALL FINISHED AREAS ARE TO BE FINALLY AS MARKED " & SHALL BE FINALIZED AFTER GETTING THE DRIVE COMPONENT DGRS.
7. GALLERY SUPPORTING TRESTLE TYPES AND TRESTLE LOCATIONS INDICATED IN THIS DRG.
8. ARE TENTATIVE AND FINALLY THEY SHALL BE AS PER STRUCTURAL DGRS.
9. CIVIL REQUIREMENT INDICATED TENTATIVE.

EQUIPMENT LOAD DATA-BCN-2A&2B (Ton.)

	HEAD END FOUNDATION		CHUTE BRACKET	BEND PULLEY FOUNDATION		TAIL END FOUNDATION		SHORT SUPPORT		
FOOTING MARKING	H#F1	H#F2	F#3	B#F1	B#F2	T#F1	T#F2	S\$10 TO S\$66	\$S1 TO \$S9 \$S21 TO \$S26	\$S9 TO \$S28
NO OF FOOTINGS	4	4	8	4	4	4	4	124		60
DEAD LOAD DL	DL	1.9	0.9	4.0	1.4	1.4	0.74	5.07	0.3	0.55
LIVE LOAD LL	LL	0.0	0.5	1.0	0.1	0.1	0.0	0.11	1.3	2.5
LOAD DUE TO BELT PULL	HX (STARTING)	3.0	2.52	-	0.015	0.015	-	-	-	-
	HY (RUNNING)	2.0	1.68	-	0.01	0.01	-0.94	-1.21	-	-
	VYH (STARTING)	+7.8	5.23	-	1.5	1.65	-	-	-	-
	VYH(RUNNING)	-3.19	3.49	-	1.0	1.1	-2.15	2.08	-	-

NOTES/FOR LOAD DATA DIRECTION :-
 1. SYMBOL -VE IMPLIES UPWARD VERTICAL FORCE AND +VE IMPLIES DOWNWARD FORCE
 2. DIRECTION OF HORIZONTAL LOADS AS INDICATED IN THE TABLE SHALL BE READ IN CONJUNCTION WITH THE RESPECTIVE PLAN VIEW ALONG THE CONVEYER.

NOTES(FOR LOAD DATA DIRECTION):

1. SYMBOL -VE IMPLIES VERTICAL UPWARD FORCE AND +VE IMPLIES VERTICAL DOWNWARD FORCE
2. DIRECTION OF HORIZONTAL LOADS AS INDICATED IN THE TABLE SHALL BE READ IN CONJUNCTION WITH THE RESPECTIVE PLAN VIEW ALONG THE CONVEYOR

REFERENCE		DRAWINGS/DOCUMENTS
DRG. NO.	DESCRIPTION	
IS-0-PL-691-100-M001	PLOT PLAN OF COAL HANDLING PLANT	
IS-1-FL-691-100-M002	COAL FLOW DIAGRAM	
IS-1-GA-691-100-M003	TYPICAL GALLERY CROSS-SECTIONS OF GALLERIES & TUNNELS	
IS-1-GA-691-104-M020	MECHANICAL GA & LOAD DATA OF TP-2	
IS-1-GA-691-104-M019	MECHANICAL GA & LOAD DATA OF TP-1	

LEGEND FOR CONVEYOR		
	CARRYING IDLER	C.I
	TRANSITION IDLER	T.I
	RETURN IDLER	R.I
	IMPACT IDLER	I.I
	SELF ALIGNING CARRYING IDLER	S.A.C.I
	SELF ALIGNING RETURN IDLER	S.A.R.I
	DEFLECTOR ROLLER	D.R
	WEIGHING IDLERS.	W.I
	PULL CHORD SWITCH	PCS
	BELT SWAY SWITCH	BSS
	ZERO SPEED SWITCH	ZSS
	WORKING POINT	W.P
	HEAD PULLEY	H.P
	TAIL PULLEY	T.P

02	09.11.15	REVISED ASPER DISCUSSION AT TSGENCO OFFICE		
01	28.10.15	Revised as per TSGENCO/DESEIN comments		
R.No:	DATE	BRIEF RECORD	BY	APPD
REVISIONS				

OWNER:		TELANGANA STATE POWER GENERATION CORPORATION LTD.									
		HYDERABAD – TELANGANA, INDIA									
CONSULTANT		DESEIN PRIVATE LIMITED									
											
PROJECT :		BHADRADRI THERMAL POWER STATION 4 X 270 MW, UNITS-1 TO 4, MANUGURU, TELANGANA, INDIA									
EPC CONTRACTOR		BHARAT ELECTRICALS LIMITED									
		INDUSTRIAL SYSTEMS GROUP ISG-BANGALORE									
			NAME	SIGN	DATE	REV A					
		DRN.	BMH		01.08.15	NO OF VAR					
		CHD.	MNK		01.08.15						
		APP.	RSP /VSD		01.08.15						
		TITLE : GA AND LOAD DATA OF BCN-2A/B					TOTAL SHEETS 04				
							SHEET. NO. 01				
SCALE	BHEL JOB NO.	IS-1-14-2007		BHEL-ISG DRG.NO.:		IS-1-GA-691-101-M009		REV 02			



