



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. 0.00M WHICH CORRESPONDS TO RL 69.5M I.E. 0.3M ABOVE FGL.
3. B.P.R AREA FINISHED GRADED LEVEL IS 20.00M ABOVE 0.0M I.E. RL 69.3M.
4. TRANSFORMER YARD FINISHED GRADED LEVEL IS 10.00M ABOVE 0.0M I.E. RL 69.4M.
5. STEPPED WALKWAY , IF CONVEYOR INCLINATION IS MORE THAN 8°.
6. THE DRIVE DIMENSIONS ARE INDICATIVE ONLY AS MARKED ' & SHALL BE FINALIZED AFTER GETTING THE DRIVE COMPONENT DRGS.
7. GALLERY SUPPORTING TRESTLE TYPES AND TRESTLE LOCATIONS INDICATED IN THIS DRG.
8. ARE TENTATIVE AND FINALLY THEY SHALL BE AS PER STRUCTURAL DRGS.
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#1	H#2	F3	BF1	BF2	TF1	TF2	SS10 TO SS46	SS31 TO SS32	SS39 TO SS52
NO OF FOOTING	4	4	8	4	4	4	4	124	60	--
DEAD LOAD	DL	1.9	0.9	4.0	1.4	1.4	0.74	5.07	--	--
LIVE LOAD	LL	0.0	0.15	1.0	0.1	0.1	0.0	0.11	--	--
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	0.3	0.5
	HYE (STARTING)	-4.78	5.23	--	1.5	1.65	--	--	--	--
	HYE(RUNNING)	-3.19	3.49	--	1.0	1.1	-2.15	2.08	1.3	2.5

NOTES(FOR LOAD DATA DIRECTION)

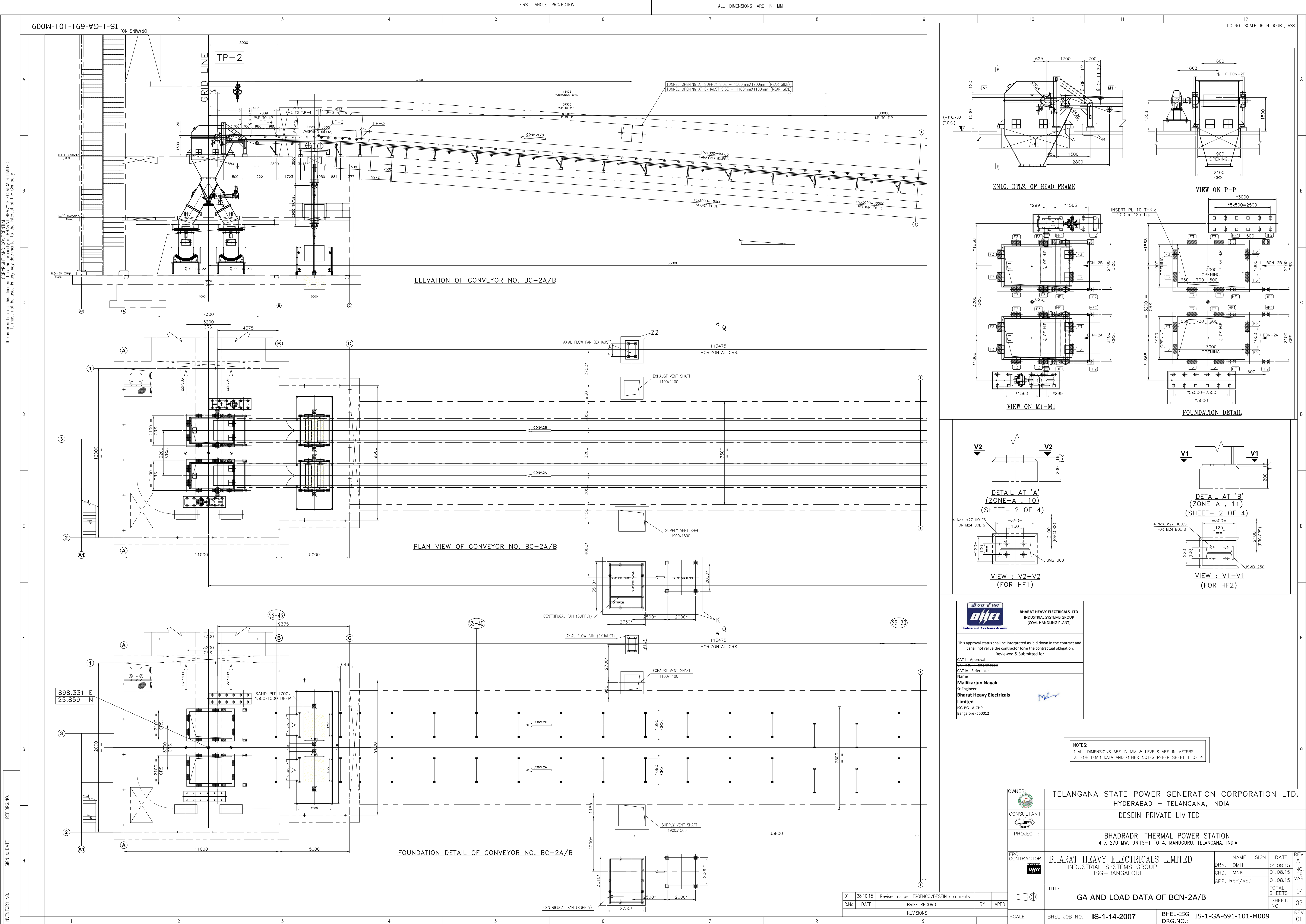
1. SYMBOL -> IMPLIES VERTICAL UPWARD FORCE AND +VE IMPLIES VERTICAL DOWNWARD FORCE
2. DIRECTION OF HORIZONTAL LOADS AS INDICATED IN THE TABLE SHALL BE READ IN CONJUNCTION WITH THE RESPECTIVE PLAN VIEW OF THE COMPONENTS

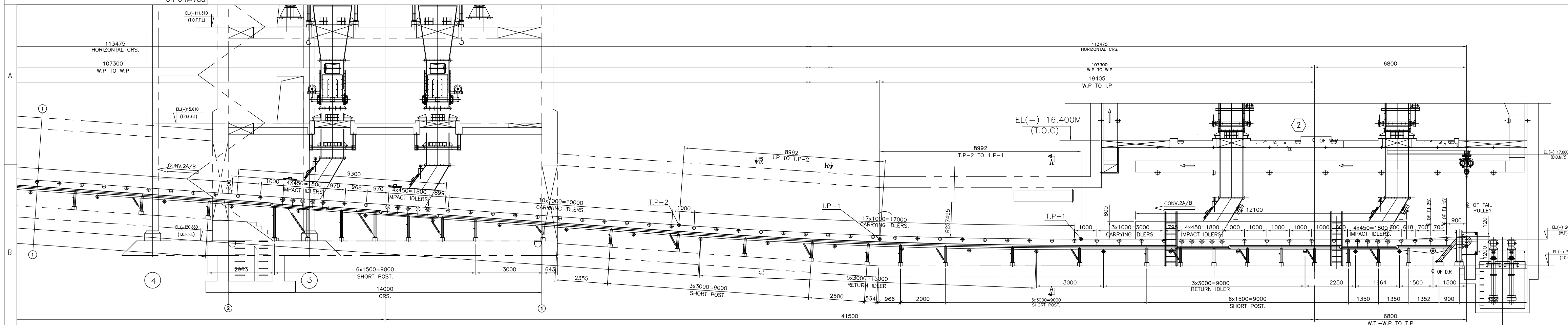
REFERENCE DRAWINGS/DOCUMENTS	
DRG. NO.	DESCRIPTION
IS-0-FL-691-100-M001	PLOT PLAN OF COAL HANDLING PLANT
IS-1-FL-691-100-M002	COAL FLOW DIAGRAM
IS-1-GA-691-100-M003	TYPICAL GALLERY CROSS-SECTIONS OF GALLERIES & TUNNELS
IS-1-GA-691-104-M020	MECHANICAL GA & LOAD DATA OF TP-2
IS-1-GA-691-104-M019	MECHANICAL 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
	PULL CHORD SWITCH	PCS
	BELL SWAY SWITCH	BSS
	ZERO SPEED SWITCH	ZSS
	WORKING POINT	W.P
	HEAD PULLEY	H.P
	TAIL PULLEY	T.P
	BEND PULLEY	B.P

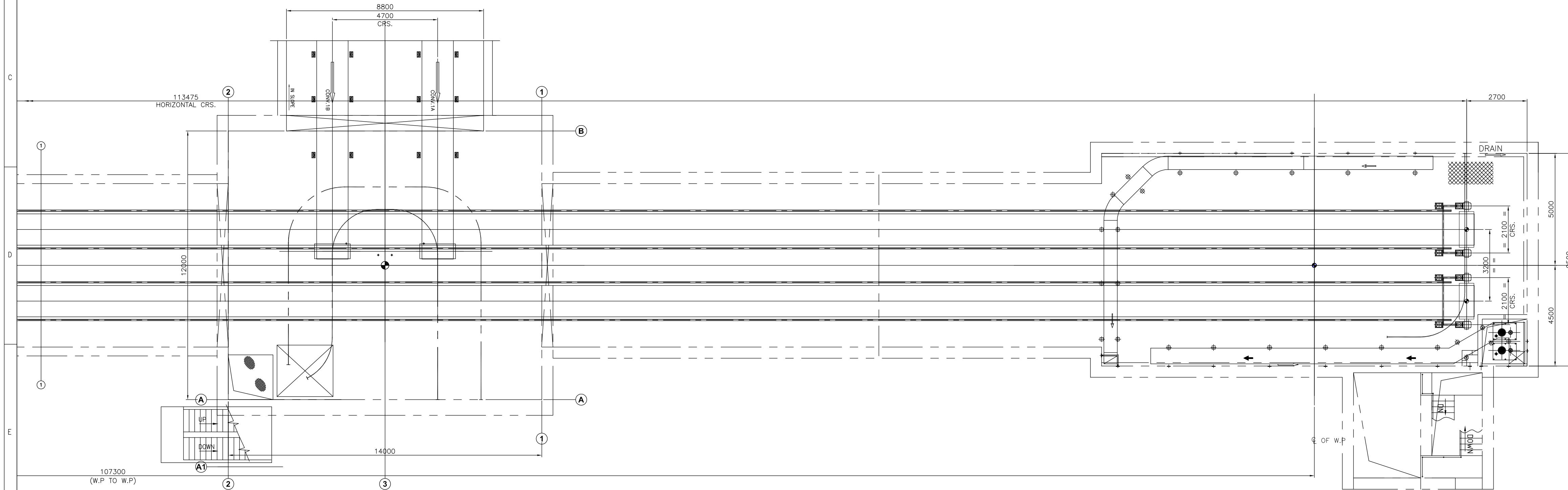
01	28.10.15	Revised as per TSGENCO/DESEIN comments			
R.No:	DATE	BRIEF RECORD	BY	APPD	
REVISIONS					
		9		SCALE	

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 HEAVY 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
PPD									SHEET NO.	01
SCALE									BHEL JOB NO. IS-1-14-2007	BHEL-ISG DRG.NO.: IS-1-GA-691-101-M009

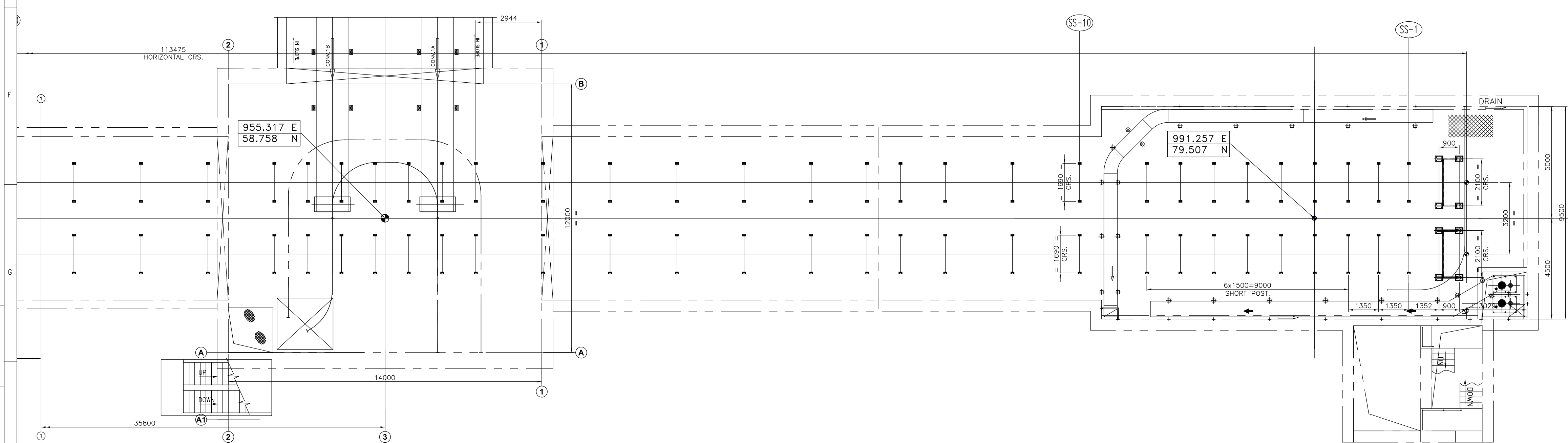




ELEVATION OF CONVEYOR NO. BC-2A/B



PLAN VIEW OF CONVEYOR NO. BC-2A/B



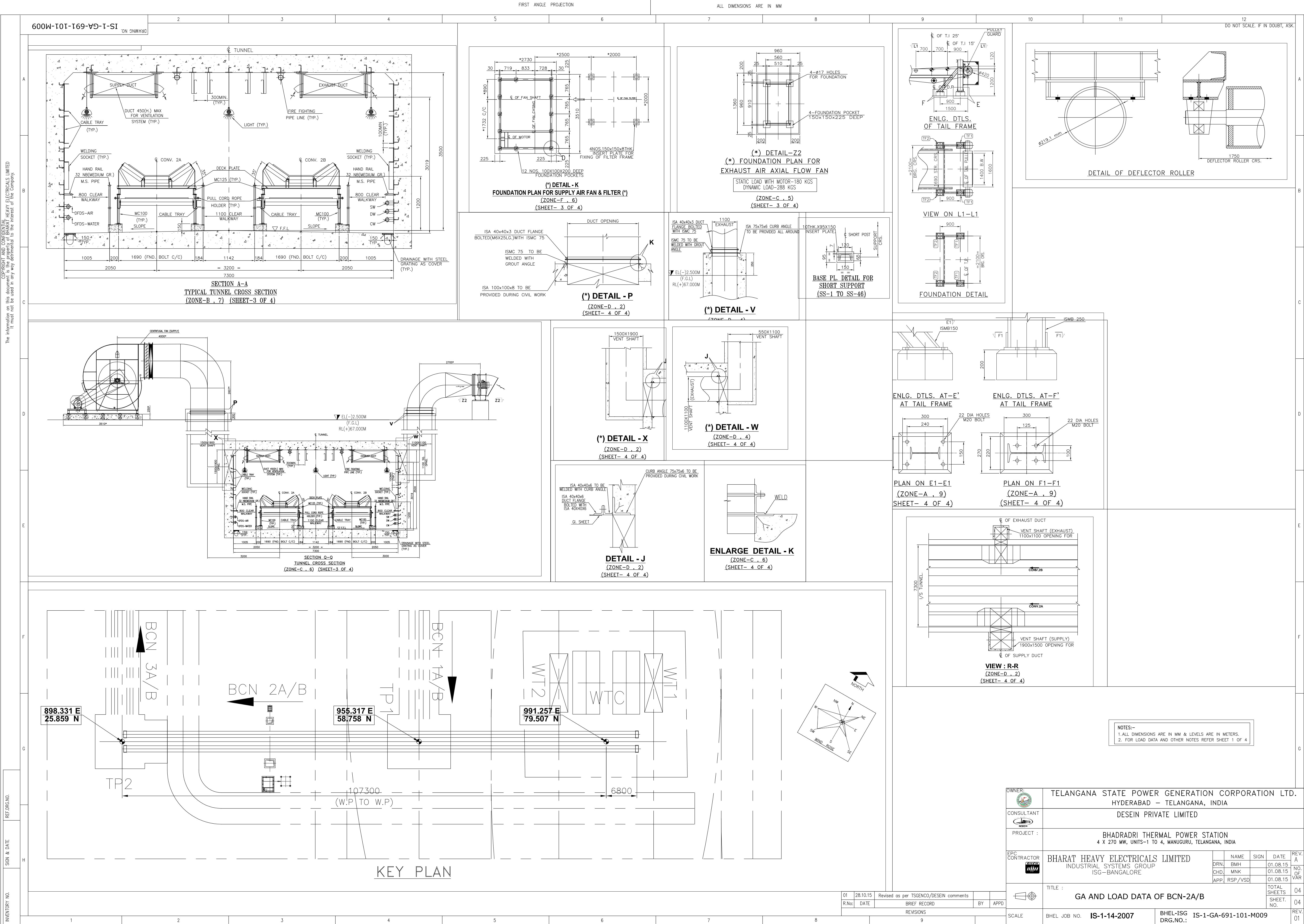
FOUNDATION DETAIL OF CONVEYOR NO. BC-2A/B

NOTES:-

1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METERS.
2. FOR LOAD DATA AND OTHER NOTES REFER SHEET 1 OF 4

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 HEAVY ELECTRICALS LIMITED INDUSTRIAL SYSTEMS GROUP ISG-BANGALORE									
										
	DRN.	BMH			DATE					REV. A
	CHD.	MNK								NO. OF VAR
	APP.	RSP/VSD								
	TITLE : GA AND LOAD DATA OF BCN-2A/B							TOTAL SHEETS SHEET. NO.		04 03
SCALE	BHEL JOB NO. IS-1-14-2007				BHEL-ISG DRG.NO.: IS-1-GA-691-101-M009				REV. 01	

01	28.10.15	Revised as per TSGENCO/DESEIN comments
R.No:	DATE	BRIEF RECORD
		REVISIONS
		9



Project : BHADRADRI POWER 4x270MW TELANGANA
 Client : TELANGANA STATE POWER GENERATION CORPORATION LTD.
 Consultant : DESEIN PRIVATE LTD.
 Contractor : BHARAT HEAVY ELECTRICALS LTD.

COMPLIANCE TO COMMENTS OF DESEIN			
ON GA DRAWINGS OF BCN-2AB, R0 SUBMITTED BY BHEL FOR APPROVAL			
Ref:	Comments made on GA Drawing of BCN-2AB, R0 by DESEIN		
SL NO	DESEIN COMMENTS.	COMPLIANCE / CLARIFICATIONS BY BHEL	REMARKS
1	Drawing fonts shall be increased.....	Noted & revised.	
2	Coordinates shall be marked in the drawing	Noted & revised	
3	Finished ground level (FGL) of coal handling area shall be indicated in the notes.	Noted & revised.	
4	All * marked data shall be confirmed and notes may be corrected accordingly.	Wherever possible revised at this stage. However, it shall be taken care before release of drgs to site for civil work	
5	All details in technical specification shall be included.	Indicated other than makes of bought out items. We are awaiting approval of sub-vendor list still. However, we ensure that it shall be taken care before release of drgs to site for civil / structural work.	
6	Refer Legend: All symbols shall be indicated	Noted & revised.	
7	Spacing of Self aligning return idlers shall be 10 m from either ends and 20 m throughout conveyors.	As per NIT, Self Aligning return idler will not be required for conveyors more than 400 m long where two roll return idlers are provided.	
8	Idlers below magnetic separators & metal detectors shall be of non-magnetic type.	Noted & revised.	
9	Maximum gap of transition idlers shall be 700mm	Noted & revised.	
10	Deflector roller, drive pulley & snub pulley shall be indicated in the drawing.	Noted & revised.	
11	Indicate brake details and provide coasting time calculations for the same.	Noted & revised. Coasting time calculations submitted already	
12	Pull cord switch shall be provided on both sides of conveyor.	Noted & revised.	
13	Belt sway switch shall be provided in pairs	Noted & revised	
14	Sand pit dimensions in plan and section are not matching	Noted & revised	
15	Zone location for various details shown shall be marked	Noted & revised	
16	Take up pulleys, mesh guard, fall arrestor etc shall be indicated in Take up arrangement	Noted & revised.	
17	Each take up shall be provided with a marked cable by side of structure frame to monitor belt stretch	Marking shall be done on take-up structure frame.	
18	Skirt board and seal plate details shall be indicated in the drawing.	Noted & revised.	
19	External scrapper shall be multi blade sprung type	Noted & revised	
20	Show horizontal and inclined distances between W.P, T.P & I.P	Noted & revised.	
21	FGL & FFL of TP-5, BCN-6A/B shall be corrected as per plot plan.	Noted & revised.	
22	Submit General arrangement drawings of track hopper and stacker cum reclaimer for finalization of BCN-1A/B, 8 & 9.	GA of S/R & Track hopper submitted to TSGENCO / DESEIN already.	
23	TSGENCO requested & insisted to BHEL ISG, to consider Addressable type Belt sway and Pull cord switches only. BHEL will revert.	The Pull Cord & Belt Sway Switches of all the conveyors except Belt Feeder shall be addressable type	