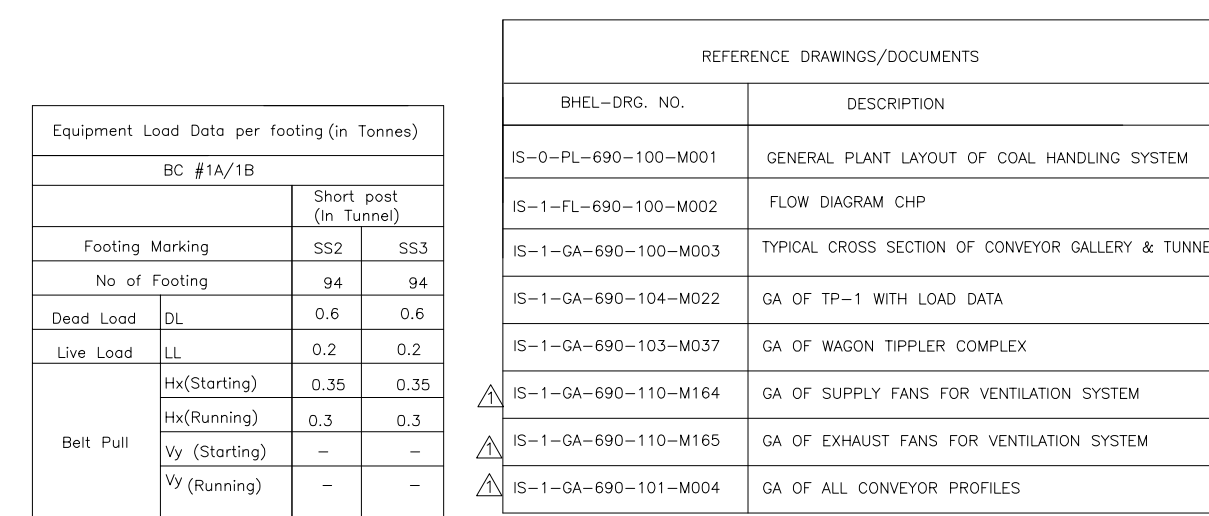
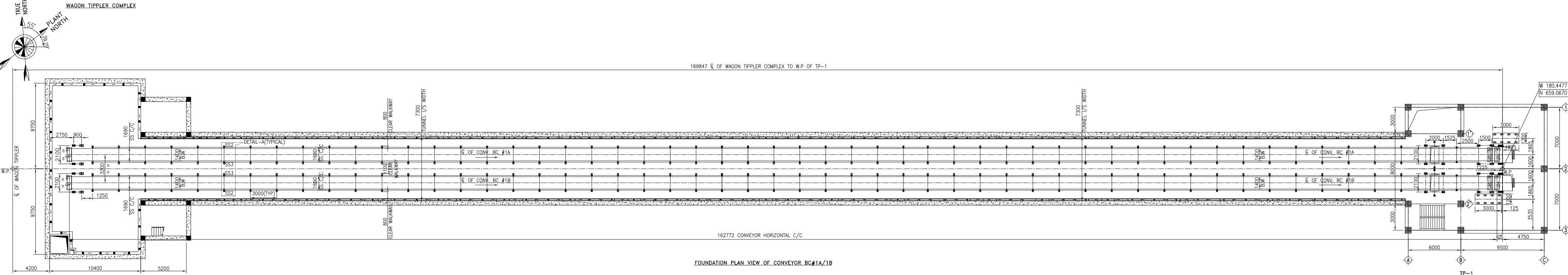




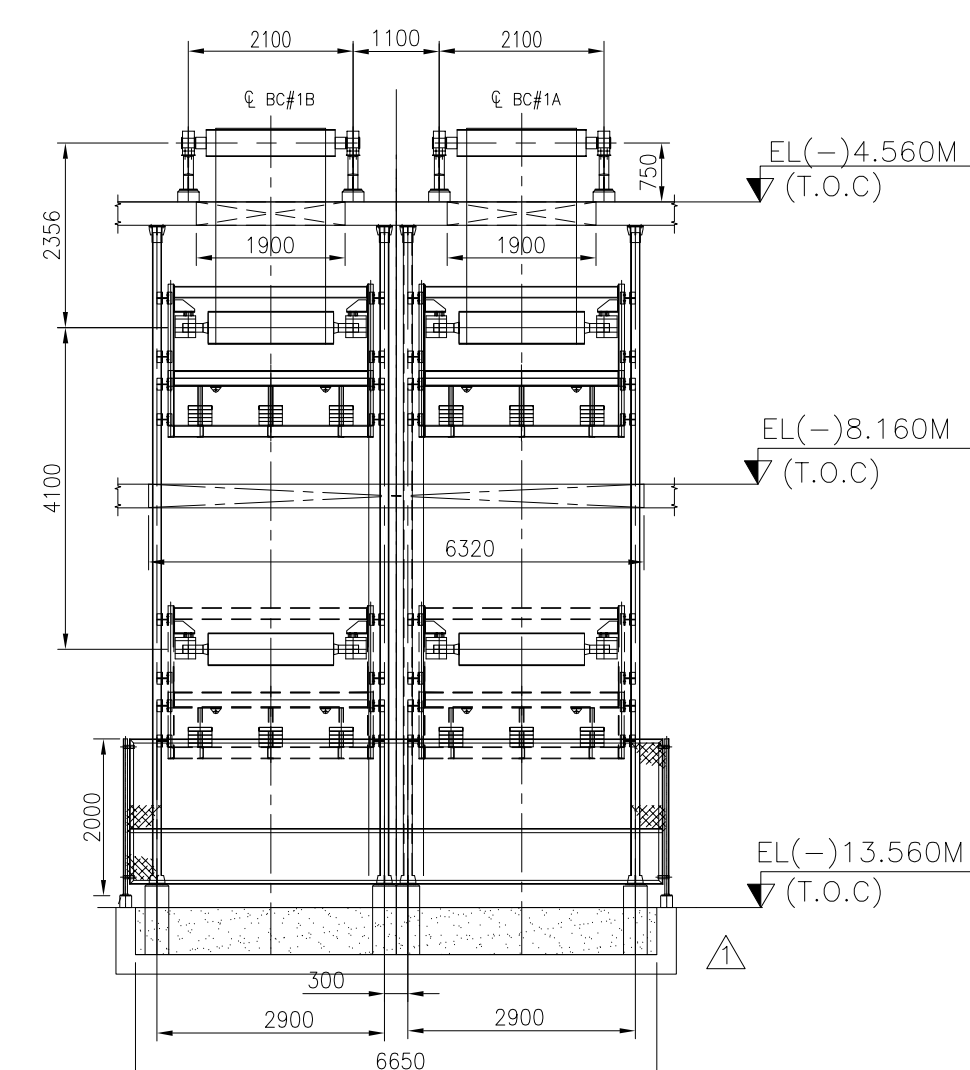
LEGENDS:			
CARRYING IDLER	CI	HEAD PULLEY	HP
RETURN IDLER	RI	TAIL PULLEY	TP
IMPACT IDLER	II	SNUB PULLEY	SP
SELF ALIGNING CARRYING IDLER	SACI	BEND PULLEY	BP
SELF ALIGNING RETURN IDLER	SARI	TAKEUP PULLEY	TU
TRANSITION IDLER	TI	WORKING POINT	WP
PULL CHORD SWITCH	PCS	SHORT SUPPORT	SS
BELT SWAY SWITCH	BSS	TOP OF CONCRETE	TOC
ZERO SPEED SWITCH	ZSS	DEFLECTOR ROLLER	DR
		INTERNAL SCRAPER	IS

LEGEND (FOR BELT TENSIONS) :-	
T1=	TIGHT SIDE TENSION
T2=	SLACK SIDE TENSION
T3=	TAIL TENSION
T4=	EFFECTIVE TENSION AT DRIVE PULLEY
Ttu=	TAKEUP TENSION

DRAWN BY		DATE		CHECKED BY		DATE	
DESIGNED BY		DATE		CHECKED BY		DATE	
REVIEWED BY		DATE		CHECKED BY		DATE	
APPROVED BY		DATE		CHECKED BY		DATE	
PROJECT NO.		DATE		CHECKED BY		DATE	
PROJECT NAME		DATE		CHECKED BY		DATE	
PROJECT LOCATION		DATE		CHECKED BY		DATE	
PROJECT DESCRIPTION		DATE		CHECKED BY		DATE	
PROJECT STATUS		DATE		CHECKED BY		DATE	
PROJECT BUDGET		DATE		CHECKED BY		DATE	
PROJECT RISK		DATE		CHECKED BY		DATE	
PROJECT IMPACT		DATE		CHECKED BY		DATE	
PROJECT BENEFIT		DATE		CHECKED BY		DATE	
PROJECT CHALLENGE		DATE		CHECKED BY		DATE	
PROJECT SOLUTION		DATE		CHECKED BY		DATE	
PROJECT OUTCOME		DATE		CHECKED BY		DATE	
PROJECT LESSON LEARNED		DATE		CHECKED BY		DATE	
PROJECT NEXT STEPS		DATE		CHECKED BY		DATE	
PROJECT CONTACT		DATE		CHECKED BY		DATE	
PROJECT DOCUMENTS		DATE		CHECKED BY		DATE	
PROJECT REFERENCES		DATE		CHECKED BY		DATE	
PROJECT NOTES		DATE		CHECKED BY		DATE	
PROJECT COMMENTS		DATE		CHECKED BY		DATE	
PROJECT SUGGESTIONS		DATE		CHECKED BY		DATE	
PROJECT REVISIONS		DATE		CHECKED BY		DATE	
PROJECT APPROVALS		DATE		CHECKED BY		DATE	
PROJECT SIGNATURES		DATE		CHECKED BY		DATE	
PROJECT STAMPS		DATE		CHECKED BY		DATE	
PROJECT RECORDS		DATE		CHECKED BY		DATE	
PROJECT ARCHIVES		DATE		CHECKED BY		DATE	
PROJECT BACKUP		DATE		CHECKED BY		DATE	
PROJECT RESTORE		DATE		CHECKED BY		DATE	
PROJECT DELETION		DATE		CHECKED BY		DATE	
PROJECT PURGE		DATE		CHECKED BY		DATE	
PROJECT CLEANUP		DATE		CHECKED BY		DATE	
PROJECT MAINTENANCE		DATE		CHECKED BY		DATE	
PROJECT UPGRADE		DATE		CHECKED BY		DATE	
PROJECT MODIFICATION		DATE		CHECKED BY		DATE	
PROJECT CONFIGURATION		DATE		CHECKED BY		DATE	
PROJECT TESTING		DATE		CHECKED BY		DATE	
PROJECT DEPLOYMENT		DATE		CHECKED BY		DATE	
PROJECT MONITORING		DATE		CHECKED BY		DATE	
PROJECT REPORTING		DATE		CHECKED BY		DATE	
PROJECT COMMUNICATION		DATE		CHECKED BY		DATE	
PROJECT COORDINATION		DATE		CHECKED BY		DATE	
PROJECT MANAGEMENT		DATE		CHECKED BY		DATE	
PROJECT LEADERSHIP		DATE		CHECKED BY		DATE	
PROJECT TEAMWORK		DATE		CHECKED BY		DATE	
PROJECT COLLABORATION		DATE		CHECKED BY		DATE	
PROJECT PARTNERSHIP		DATE		CHECKED BY		DATE	
PROJECT ALLIANCE		DATE		CHECKED BY		DATE	
PROJECT JOINT VENTURE		DATE		CHECKED BY		DATE	
PROJECT STRATEGIC PARTNERSHIP		DATE		CHECKED BY		DATE	
PROJECT ECOSYSTEM		DATE		CHECKED BY		DATE	
PROJECT INNOVATION		DATE		CHECKED BY		DATE	
PROJECT RESEARCH		DATE		CHECKED BY		DATE	
PROJECT DEVELOPMENT		DATE		CHECKED BY		DATE	
PROJECT TESTING		DATE		CHECKED BY		DATE	
PROJECT DEPLOYMENT		DATE		CHECKED BY		DATE	
PROJECT MONITORING		DATE		CHECKED BY		DATE	
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PROJECT DEPLOYMENT		DATE		CHECKED BY		DATE	
PROJECT MONITORING		DATE		CHECKED BY		DATE	
PROJECT REPORTING		DATE		CHECKED BY		DATE	
PROJECT COMMUNICATION		DATE		CHECKED BY		DATE	

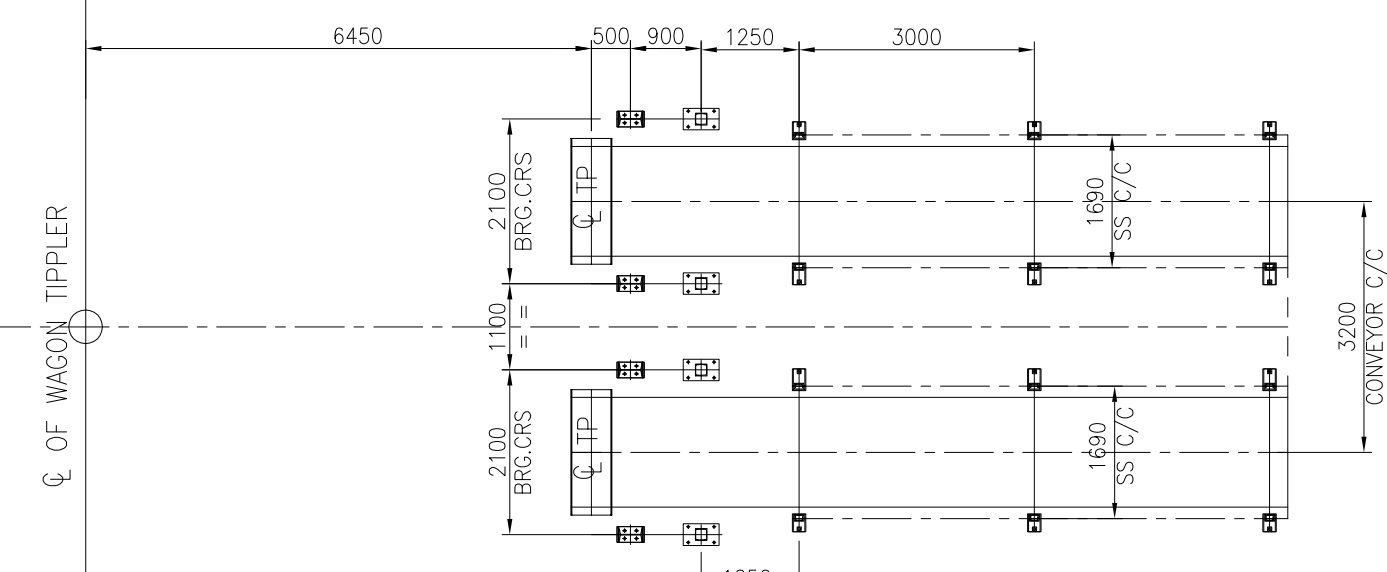
REVISIONS		BY		APPD	
14					

SCALE		BHEL JOB NO. IS-114-2006		BHEL-450 GRID NO.		IS-1 GA-690-101-M007	
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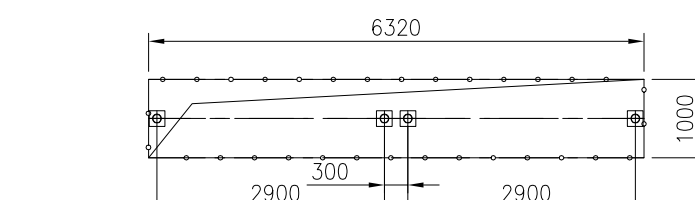
VIEW 'A-A'

DETAIL OF VGTU ARRANGEMENT



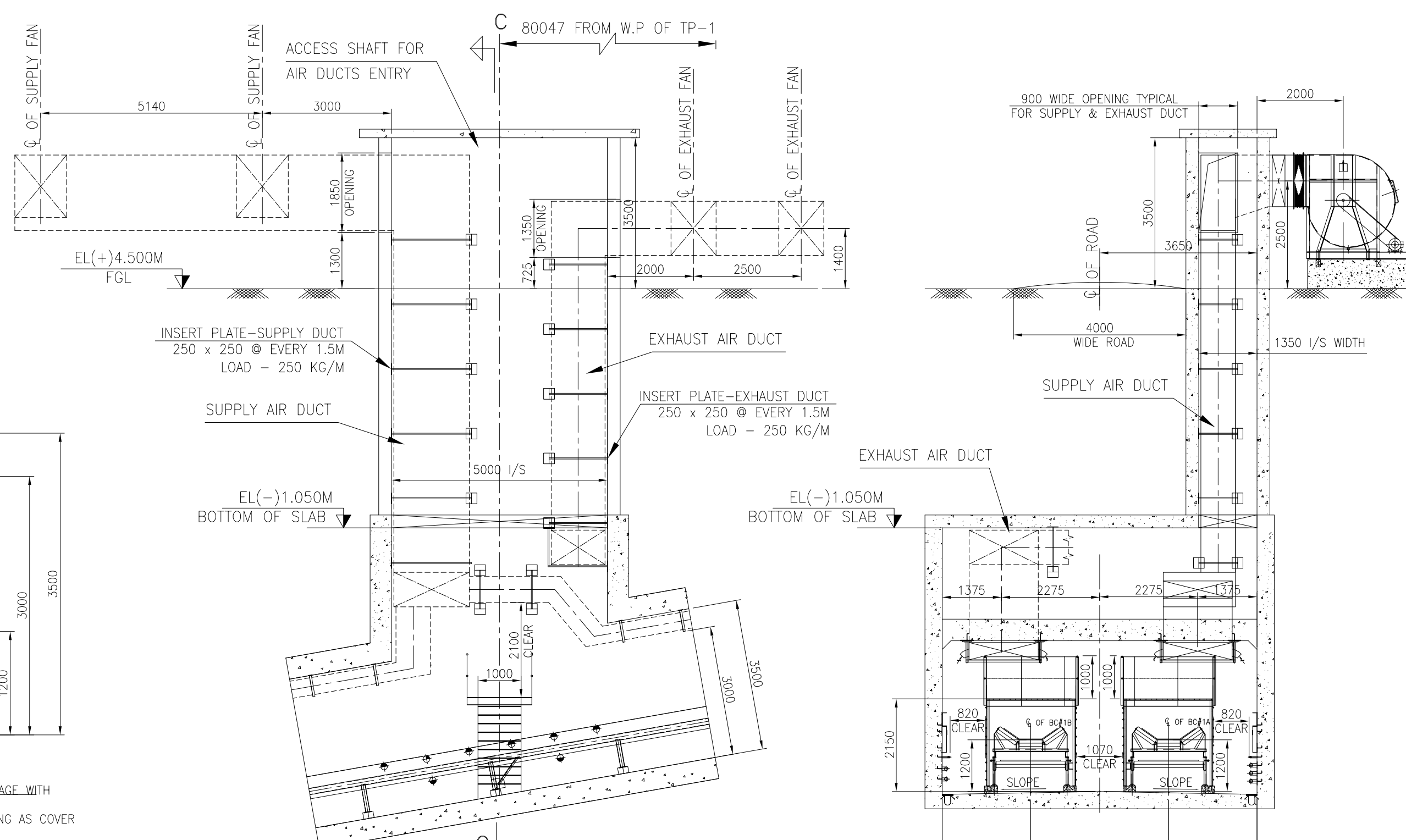
FOUNDATION PLAN OF TAIL FRAME AT EL(-)13.110M

PLAN OF VGTU GUIDE AT EL(-)13.560 M

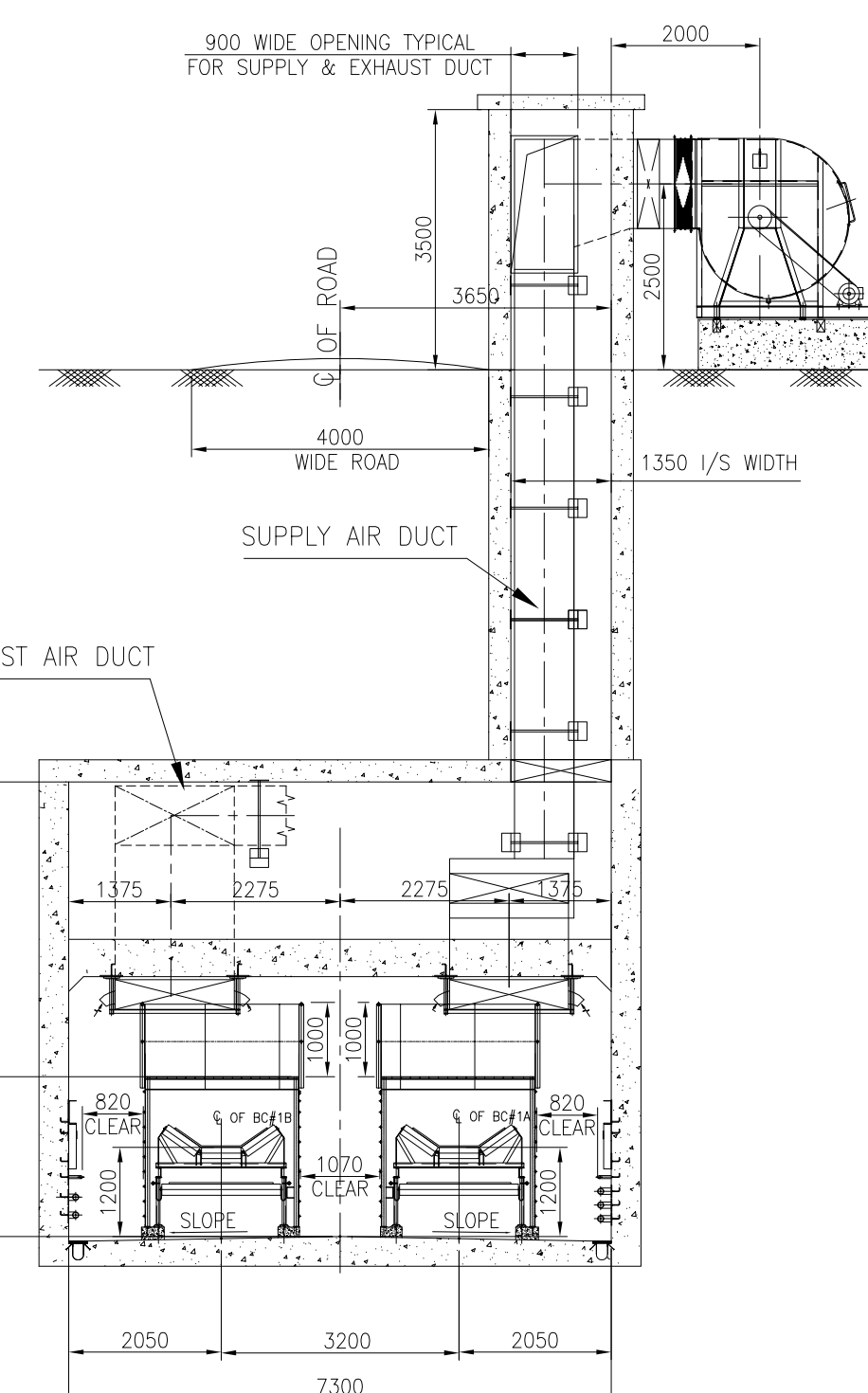


PLAN OF VGTU GUIDE AT EL(-)8.160 M

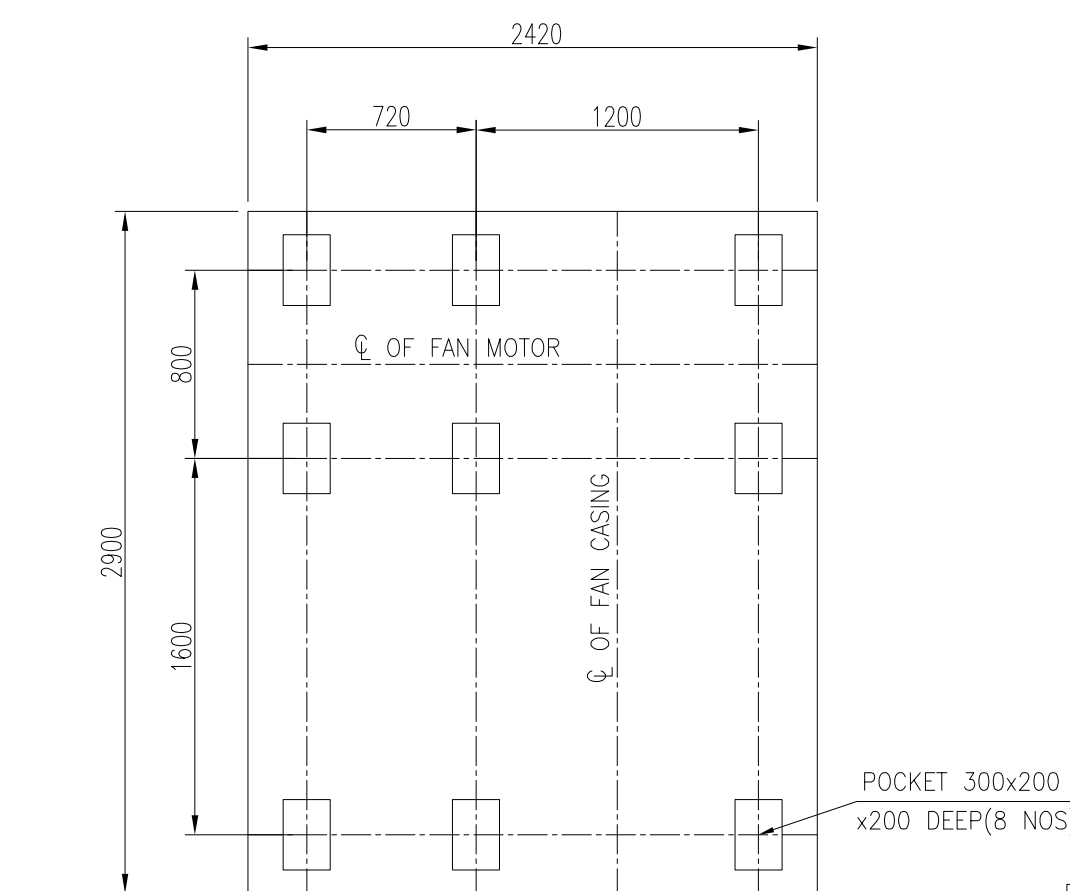
DETAIL-A(CONVEYOR SHORT POST DETAIL I/S TUNNEL)



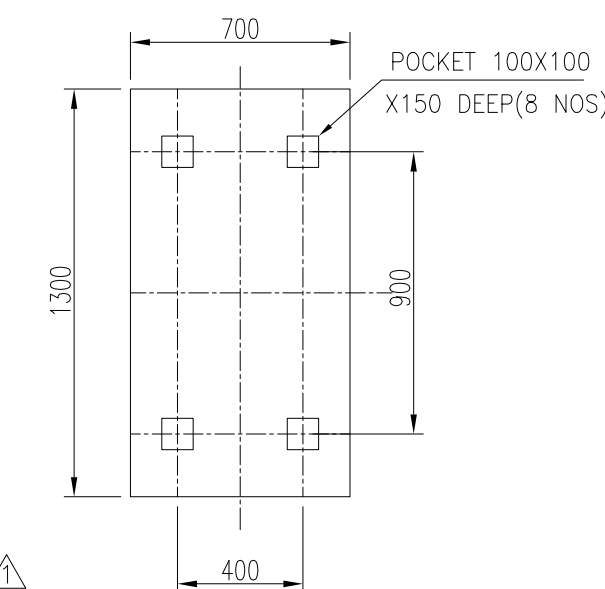
DETAIL OF CROSSOVER



△ VIEW "C-C"



****FOUNDATION DETAIL OF SUPPLY AIR FAN



****FOUNDATION DETAIL OF
EXHAUST AIR FAN

1	08.02.16	REVISED AS PER DOPL COMMENTS REVISED AS MARKED
0	01.10.15	FOR APPROVAL
R.No:	DATE	BRIEF RECORD
		REVISIONS

****SUPPLY & EXHAUST AIR FAN DETAILS AND LOAD DATA ARE INDICATIVE,WILL BE REVISED BASED ON VENDOR INPUT	
SUPPLY AIR FAN LOAD DATA: 1.STATIC LOAD = 2.5 Tonnes 2.DYNAMIC LOAD = 0.8 Tonnes	EXHAUST AIR FAN LOAD DATA: 1.STATIC LOAD = 0.5 Tonnes 2.DYNAMIC LOAD = 0.1 Tonnes

OWNER:	TELANGANA STATE POWER GENERATION CORPORATION LTD HYDERABAD - TELANGANA, INDIA
CUSTOMER'S CONSULTANT:	DEVELOPMENT CONSULTANTS PVT. LTD. CONSULTING ENGINEERS KOLKATA . MUMBAI . CHENNAI . NEW DELHI
PROJECT:	KOTHAGUDEM THERMAL POWER STATION STAGE-VII, UNIT # 12 (18000 MW), KOTHAGUDEM, TELANGANA, INDIA COAL HANDLING SYSTEM PACKAGE
EPC CONTRACTOR:	BHARAT HEAVY ELECTRICALS LIMITED INDUSTRIAL SYSTEMS GROUP SIC - BOMBAY

BHEL'S CONTRACTOR				NAME	SIGN	DATE
				DRN	PVN	27.10.15
				CHD	SSD	27.10.15
				APP	RSP	27.10.15
		TITLE : GA OF BC#1A/1B				NO. OF SHEETS SHEET NO.
APPRO		BHEL-ISO				

COMPLIANCE REPORT			
Project : 1 x 800 MW(Unit-12) Kothagudem Thermal Power Station			
Owner : Telangana State Power Generation Corporation Limited			
Owner's Consultant : Development Consultants Private Limited			
EPC Contractor : BHEL Industrial System Group			
Package : Coal Handling System			
Drawing&Document No/Rev No : IS-1-GA-690-101-M007(Rev-1)			
Drawing/Document Name : GA of BC#1A/1B			
Sl.No	Owner/Owner's Consultant's Comment	BHEL Reply	Comments/Conclusion by Owner/Owner's Consultant
A	Sheet 1 of 2		
1	Pulley diameters along with pulley designation shall be marked in drawing	Noted and incorporated in revised document	
2	Mention elevation of pulley in idler profile	Noted and incorporated in revised document	
3	Elevations not matching with TP-1 GA bearing drg no. IS-1-GA-690-104-M022, Rev. 00	Updated as per the latest conveyor profile GA drg no. IS-1-GA-690-101-M004, Rev. 02	
4	Indicate walkway inside the tunnel	Noted and incorporated in revised document	
5	Please indicate that 'Load data furnished for conveyors are for information & reference only,'	Noted and incorporated in revised document	
6	Include Ventilation system GA, Electric hoist GA, Chain pulley block GA, VGTU GA drawing under ref. drg.	Noted and incorporated in revised document	
7	Update note, 3 & 4	Noted and incorporated in revised document	
8	Please note that all co-ordinates shall be varified from Plot Plan, Rev. No. 5	Updated as per the latest conveyor profile GA drg no. IS-1-GA-690-101-M004, Rev. 02	
9	1) In this case, stepped walkway shall be provided for slopped portion which needs to be included under 'Notes', 2. BHEL shall note that EL (FFL, FGL) shall be as per latest plot plan, 3. Mention hoist schedule, 4. Indicate legends for symbols used in this drawing (e.g. different idlers)	Noted and incorporated in revised document as applicable for points 1,2,4 Please note that hoist schedule is covered in respective transfer tower GA drawings, hence not concluded in here.	
10	Indicate conveyor location, No. of feeding points & wrap angle	Noted and incorporated in revised document	
11	Please update this table as per DCPL comments in Conveyor calculations	Noted and incorporated in revised document	
12	Please indicate imported / indian coal considered here, if blended, mention % also.	Noted and incorporated in revised document	
13	Heady duty for conveyor belt	Noted and incorporated in revised document	
14	Please indicate the nomenclature for T1, T2, T3 & Te	Noted and incorporated in revised document	
15	Indicate spacing of idlers	Noted and incorporated in revised document	

COMPLIANCE REPORT			
Project : 1 x 800 MW(Unit-12) Kothagudem Thermal Power Station			
Owner : Telangana State Power Generation Corporation Limited			
Owner's Consultant : Development Consultants Private Limited			
EPC Contractor : BHEL Industrial System Group			
Package : Coal Handling System			
Drawing&Document No/Rev No : IS-1-GA-690-101-M007(Rev-1)			
Drawing/Document Name : GA of BC#1A/1B			
16	Indicate the type of hold back whether it is integral	Noted and incorporated in revised document	
17	Please note that brake shall be provided wherever coasting time comes positive in calculation. No deviation is acceptable.	Please refer to the latest coasting time calculation document (Rev-01) with compliance for non provision of brake	
18	Indicate weight of each segment of counter weight and the nos. to be provided	Noted and incorporated in revised document	
19	Include coupling guard in the table	Noted and incorporated in revised document	
20	Provide stringer & short support calculation	Short support and stringer sizing is part of fabrication detail. The same shall be suitably sized. Presently MC100 and MC125 is considered based on BHEL's experience from earlier reference projects	
21	Thickness shall be 3 mm (min.) for seal plate	Noted and incorporated in revised document	
22	Indicate Grade & IS Standard of MS used	Noted and incorporated in revised document	
B	Sheet 2 of 2		
1	Identify this in head end arrangement	Noted and incorporated in revised document	
2	Identify this in tail end arrangement	Noted and incorporated in revised document	
3	Mention pocket and bolt detail	Please refer to the transfer tower TP-1 GA drawing wherein the pocket details are indicated.	
4	Show sand pit wall and mention sand pit overall dimension	Noted and incorporated in revised document	
5	Provide grouting	Please note that grouting will be applicable where in foundation bolts are located at a later date after pedestal concreting with pockets or where uneven surfaces are there. At places where insert plates are provided, grouting is not required as the insert plate will be located while concreting ensuring even surface.	
6	Indicate walkways with clear dimensions, elevation, handrail and tunnel dimensions, slope to drain with slope ratio.	Noted and incorporated in revised document. Slope ratios shall be indicated as per the civil requirement in civil drawing. Tunnel bottom elevation cannot be indicated as the elevation varies ,since the conveyor is inclined.	