

Reference : CC-ENGG-9587-001-109-PVM-B-049

Date : 31/05/2024

From : RAMESH CHANDRA SHIAL
ENGINEER

To : BHARAT HEAVY ELECTRICALS LTD
NEW DELHI
110049
IN

Cc : singhjp@bhel.in

Subject : EPC Package

Please find enclosed following drawings/ documents for necessary action at your end.

Vendor Drg. No. : RPT-FGD-003
Orgn. Drg. No. : 9587-001-109-PVM-B-049
Revision No. : 00
Drg. Title : General Layout of FGD Ducting
App. Category : CAT-II
Release Date : 31/05/2024



Scan to verify

Comments : 1.0 BHEL to confirm that all the duct sizing is are per the approved duct sizing document.2.0 BHEL to discuss the document before re-submission3.0 Other comments are marked on the drawing.

00	21.05.2024	Fresh Issue	NKS	BS	AS
REV	DATE	DESCRIPTION / NOTE	PRD	CHD	APD

REVISIONS

TITLE:

General Arrangement Of FGD Ducting

OWNER/PROJECT: NTPC LIMITED



NTPC-LARA SUPER THERMAL POWER PROJECT
STAGE-II (2X800 MW) – EPC PACKAGE

EPC CONTRACTOR:



BHARAT HEAVY ELECTRICALS LTD.
BOILER AUXILIARIES PLANT, RANIPET

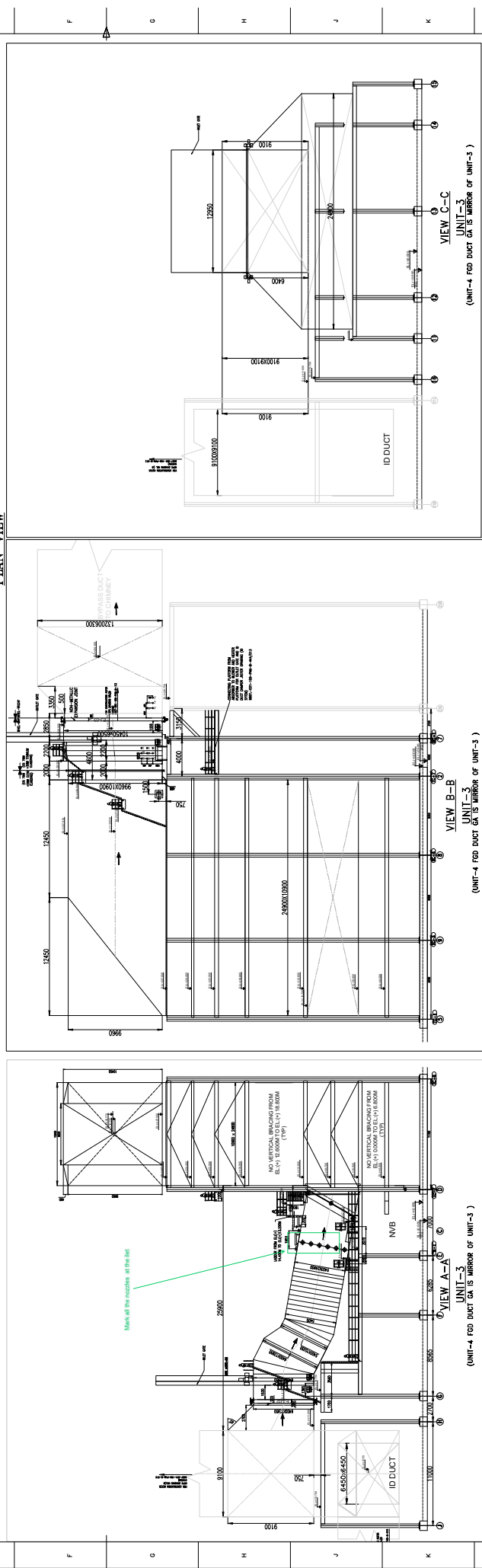
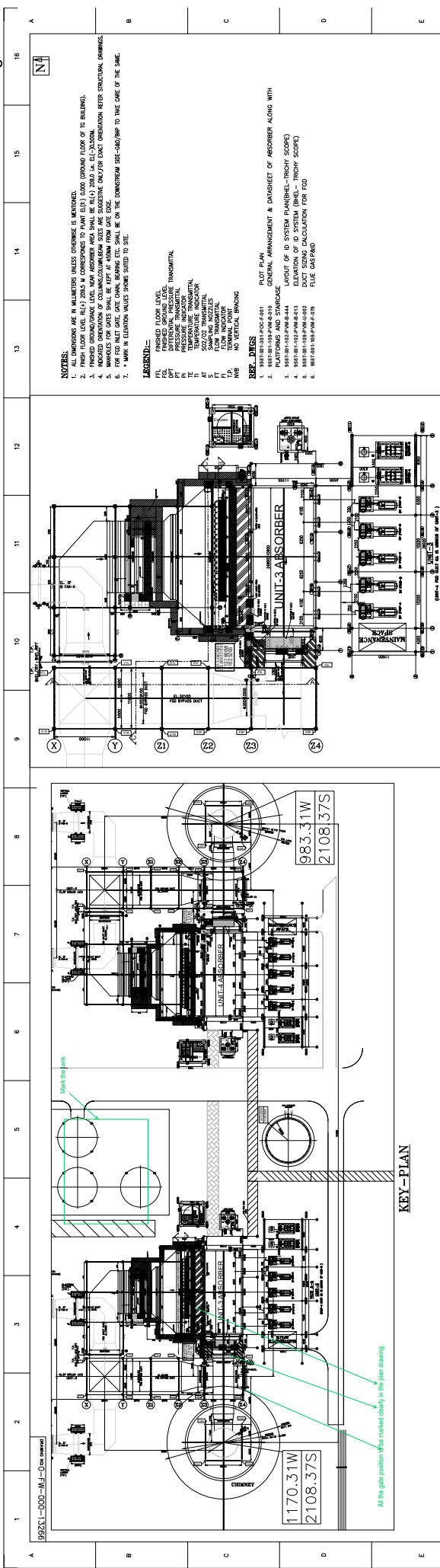
COLLABORATOR



MITSUBISHI HITACHI POWER SYSTEMS, LTD
AIR QUALITY CONTROL SYSTEMS TECHNOLOGY DIVISION

	BHEL	
PREPARED BY	NKS	STATUS : <i>FOR APPROVAL</i>
CHECKED BY	BS	REV NO : 00
APPROVED BY	AS	

NTPC DRG./DOC NO. : 9587-001-109-PVM-B-049



DETAILS OF EXPANSION JOINT						
LOCATION	DESCRIPTION QTY	SIZE (LXH)	TYPE			
INLET TO ABSORBER	EJ01	9100X9100 (LXH)	METALLIC			
INLET TO ABSORBER	EJ02	12950X6400 (LXH)	METALLIC			
ABSORBER TO CHIMNEY	EJ03	6500X10450 (LXH)	NON-METALLIC			

1 **2** **3** **4** **5** **6**

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7 **8** **9** **10** **11** **12** **13** **14** **15** **16**

Reference : CC-ENGG-9587-001-109-PVM-B-048

Date : 24/04/2024

From : RAMESH CHANDRA SHIAL
ENGINEER

To : BHARAT HEAVY ELECTRICALS LTD
NEW DELHI
110049
IN

Cc : singhjp@bhel.in

Subject : EPC Package

Please find enclosed following drawings/ documents for necessary action at your end.

Vendor Drg. No. : PE-DG-508-571-A906
Orgn. Drg. No. : 9587-001-109-PVM-B-048
Revision No. : 00
Drg. Title : GA of Gypsum Dewatering Building Layout
App. Category : CATREL
Release Date : 24/04/2024



Scan to verify

Comments : This is Auto Archive drawing / document developed & released by BHEL. Review & approval of the same by NTPC Engineering is not envisaged.

Name of the Project/ Package : LARA SUPER THERMAL POWER PROJECT STG-II, EPC Package

Drawing / Document Number : 9587-001-109-PVM-B-048

Drawing / Document Title : GA of Gypsum Dewatering Building Layout

“We confirm that this document meets all the contract requirements including safety and statutory requirements and facilitate ease of operation and maintenance. In case any deviation is found, the Contractor shall carry out all required changes/ modifications without any cost implications to NTPC. In addition, Penalty on account of non-compliance of contract specification as deemed fit by the Employer shall be recovered”

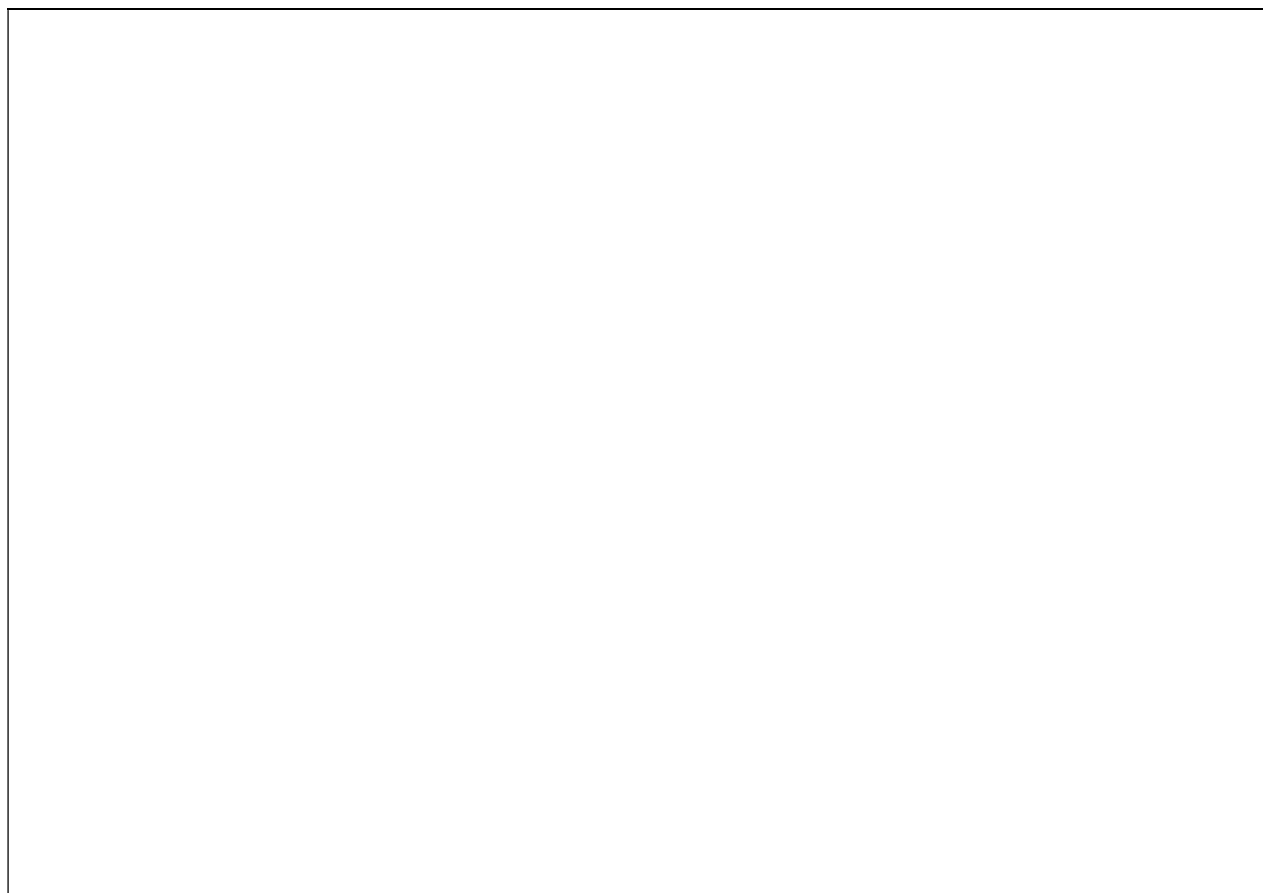


GYPSUM DE-WATERING EQUIPMENT
LARA SUPER THERMAL POWER PROJECT STAGE II
(2X800 MW) EPC PACKAGE

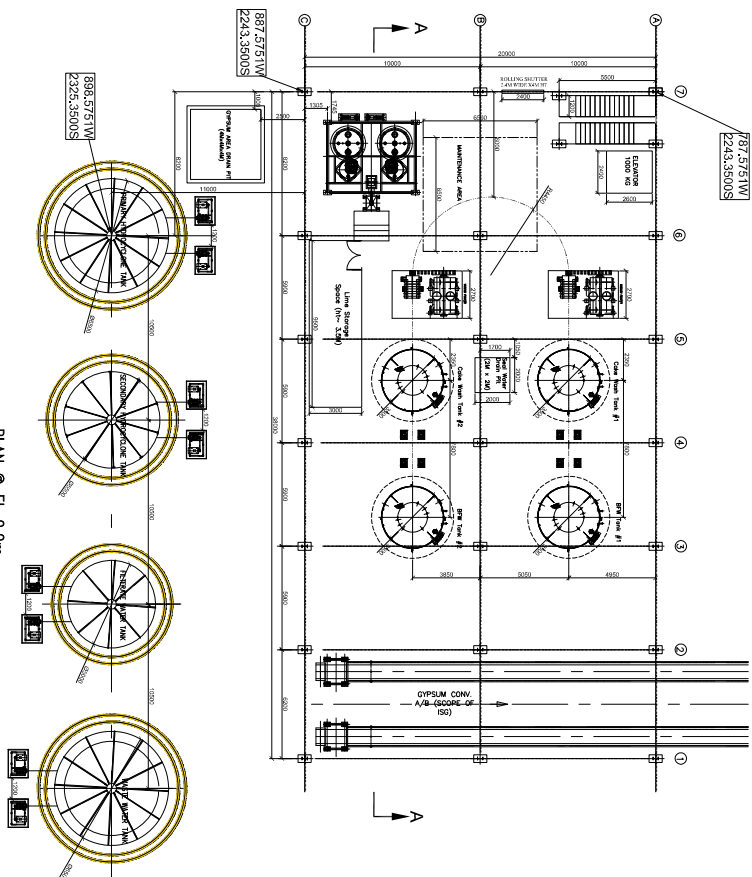
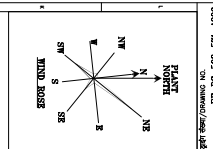
NTPC Doc. No. 9587-001-109-PVM-B-048

REVISION 00

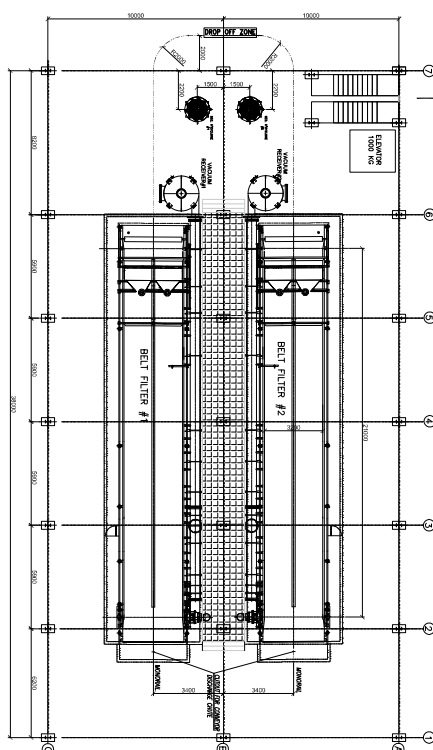
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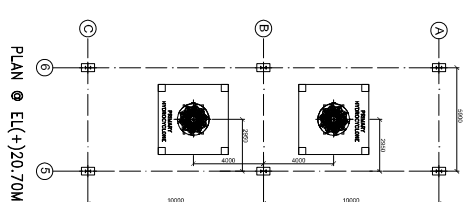
23.04.2024	0	Customer submission	YK	VKV	RR		
Date	Rev	Description of Revision	PREP	CHD	APPD		
PROJECT		LARA SUPER THERMAL POWER PROJECT STAGE II (2X8000 MW) EPC PACKAGE					
OWNER 		NTPC LIMITED.					
EPC CONTRACTOR		<u>BHARAT HEAVY ELECTRICALS LTD</u> POWER SECTOR PROJECT ENGINEERIING MANAGEMENT	DEPT CODE M		NAME	SIGN	DATE
				DRN	YK		23.04.24
				DESN	VKV		23.04.24
				CHD	RR		23.04.24
				APPD	RR		23.04.24
JOB No.	508						
STATUS	CONTRACT	NTPC DOC NO. 9587-001-109-PVM-B-048					Rev: 00
		BHEL Doc. No: PE-DG-508-571-A906					
DOCUMENT TITLE		GA & LAYOUT OF GYPSUM DEWATERING BUILDING					
PACKAGE		EPC					



PLAN @ EL 0.0m



PLAN @ EL. +12.70m

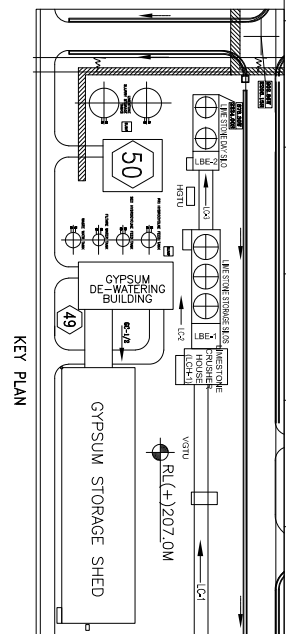


PLAN @ EL(+)20.70M

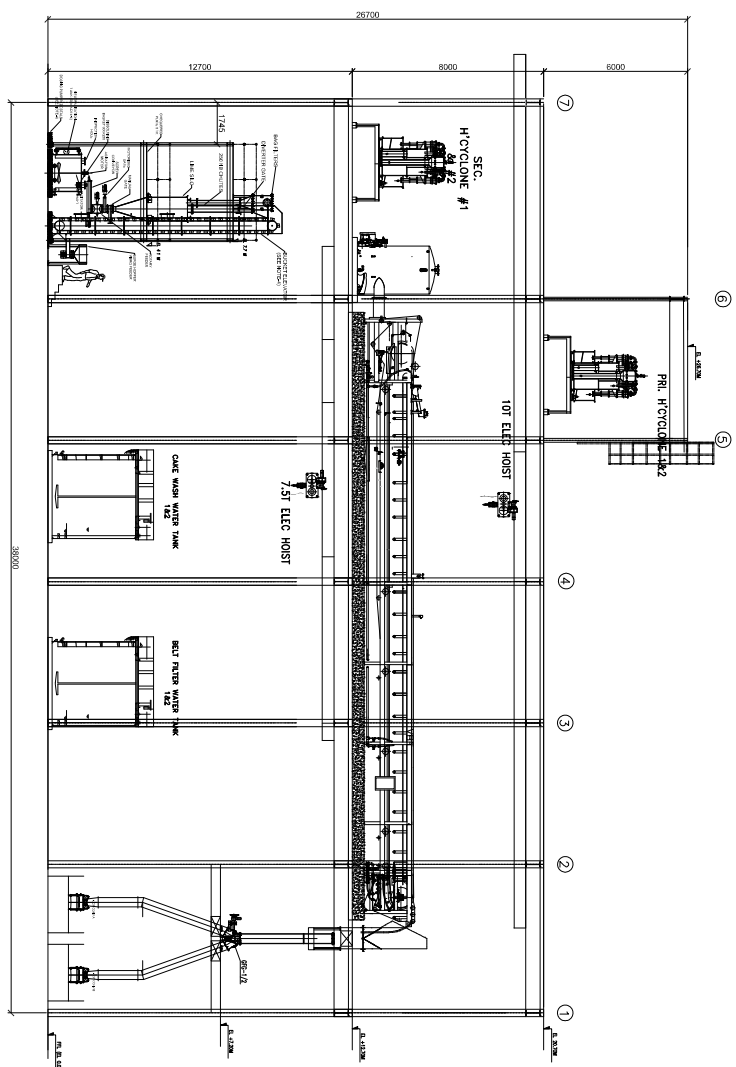
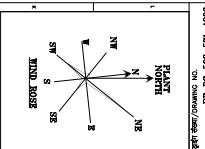
TABLE OF SUBSTANCES			REMARKS:
PORT NO	DESCRIPTION	APPROX. QUANTITY OF STOCK ON HAND AT THE TIME OF OPERATION	LOCATION IN GORE BUILDING
1	021 VACUUM BELT FILTER	75 MT	ON FIRST FLOOR (4L-112)20M
2	022 CRACKER - (SST)	8 MT (CONTAINS SUPERFINE FALTINGS)	ON FIRST FLOOR (4L-112)20M
3	023 REKULAMATION (LIME DROSS) LIME WITH DUSTION	7.7 T	GROUND FLOOR & (L1-2)20M
4	024 LIME FINE SIZED SANDY CORNERS	2.1 T	NAFCE REKULAMATION (LIME DROSS) LIME
5	025 LIME DROSS SLOD/WASTES, MANUAL CRACKER, CRACKER SPOON, CRACKER SHAPER, CRACKER SPOONING	15 MT (CONTAINS CRACKER SPOONING FALTINGS)	APPROX. REKULAMATION (LIME DROSS)
6	026 PREHEAT - HYDROCLONIC	12MT (CONTAINS SUPERFINE FALTINGS)	ON SECOND FLOOR (4L-105)20M
7	027 VACUUM PUMP & MOTOR	20 T	GROUND FLOOR & (L1-2)20M
8	028 VACUUM RECEIVER	8T	ON FIRST FLOOR (4L-112)20M
9	029 CRACKER WHEEL 1 PCE		GROUND FLOOR & (L1-2)20M
10	030 CRACKER LUBRICATION OIL	40T	GROUND FLOOR & (L1-2)20M
11	031 ROCKET EXHAUSTOR (AIR - FRESH SANDING LIME FINE SIZED SANDY CORNERS)	40T	GROUND FLOOR & (L1-2)20M
12	032 LIME FINE SIZED SANDY CORNERS	1.25T	ON LIME SANDING SAND PLANTING
13	033 LIME DROSS WASTES	0.2T	GROUND FLOOR & (L1-2) 20M
14	034 CRACK WHEEL PUMPS & MOTOR	0.3 T	GROUND FLOOR & (L1-2) 20M
15	035 REKULAMATION WHEEL PUMPS & MOTOR	0.3 T	GROUND FLOOR & (L1-2) 20M
16	- FALTINGS FOR USE & HYDROCLONIC IS 1	AS SHOWN	AS SHOWN

NOTES

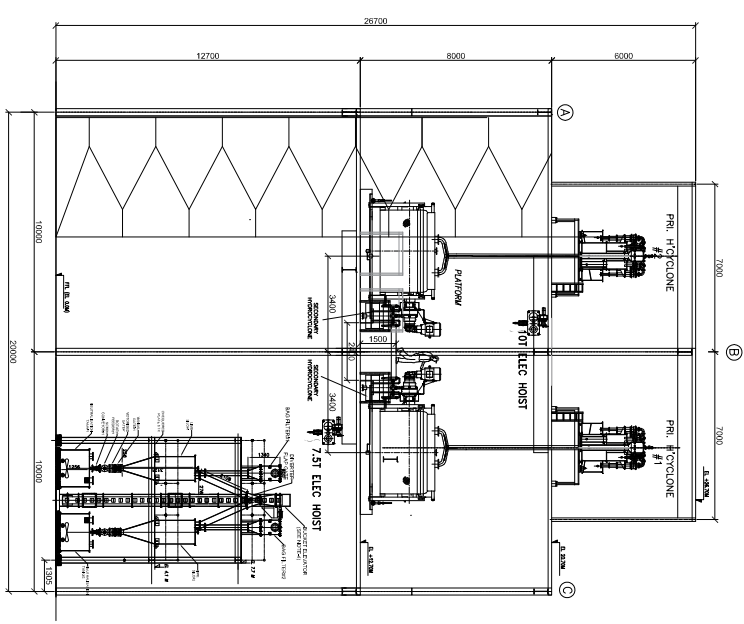
1. ALL DIMENSIONS ARE IN MM & ELEVATIONS ARE IN METERS
2. EL(+0.00) CORRESPONDS TO RL (+171.500M). FOL IN THIS AREA IS EL(-)0.50M
3. REFER NTPC DWG. NO. 9587-001-155-PWM-B-040C FOR GA & LOAD DATA OF GYPSUM BELT CONVEYOR
4. REFER CORRESPONDING NTPC DWG NO. FOR LIME FEEDING AND DOSING SYSTEM
5. SUITABLE SUPPORT STRUCTURE OF ISA/ISM SHALL BE PROVIDED ALL AROUND FAN OPENING OF VENTILATION SYSTEM (AVAL SUPPLY/EXHAUST FANS) FOR FIXING AND INSTALLATION POINTS OF VIEW.
6. DRAWING IS PREPARED ON THE BASIS OF REFERENCE DATA, MINOR VARIATION IN EQUIPMENT SIZE, FOUNDATION MAY HAPPEN BASED ON ACTUAL DATA, HOWEVER THIS SHALL NOT IMPACT THE BUILDING FOOTPRINT ENCLOSEURE - GYPSUM DE-WATERING AREA -
7. a) GRID 2 TO 7, ELEVATION 0.0M - OPEN FROM ALL SIDES
b) GRID 1 TO 2, ELEVATION 0.0M - REFER ISG-BANGLORE DRAWING FOR DETAILS
c) GRID 1 TO 7, ELEVATION 12.7M - CLADDEN FROM ALL SIDES
d) GRID 5 TO 6, ELEVATION 20.7M - CLADDEN FROM ALL SIDES



KEY PLAN



SECTION - AA



SECTION - BB

PROJECT NAME		9587-001-109-PVM-B-048	
CLIENT		N.T.P.C. LIMITED	
DESIGNER		BHARAT ENGINEERING CONSULTANTS LTD.	
DATE		10/01/2023	
DRAWN BY		S.K.	
CHECKED BY		S.K.	
APPROVED BY		S.K.	
PROJECT LOCATION		G.A. & LAYOUT OF GYPSUM DRYING BUILDING	
PROJECT NO.		PE-DC-008-071-0006	
SCALE		AS SHOWN	
SHEET NO.		04	
TOTAL SHEETS		04	
SHEET DESCRIPTION		SECTION - AA & BB	

ELECTRONIC FILE NAME :

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Reference : CC-ENGG-9587-001-104-PVM-B-001

Date : 09/04/2024

From : RAMESH CHANDRA SHIAL
ENGINEER

To : BHARAT HEAVY ELECTRICALS LTD
NEW DELHI
110049
IN

Cc : singhjp@bhel.in

Subject : EPC Package

Please find enclosed following drawings/ documents for necessary action at your end.

Vendor Drg. No. : 0-00-111-88786

Orgn. Drg. No. : 9587-001-104-PVM-B-001

Revision No. : 02

Drg. Title : GA of ESP including platforms and staircases, roof, canopy, funnel
and hopper flange details etc.

App. Category : CAT-I

Release Date : 09/04/2024



Scan to verify

Comments : No Comment



Bharat Heavy Electricals Limited
(A Government of India Undertaking)
Boiler Auxiliaries Plant
Indira Gandhi Industrial Complex,
RANIPET– 632 406, INDIA

Phone: 04172-284235
Email: venkatk@Bhel.in

AQCS: ESPGA: LARA_S-II:002
30.03.2024

TRANSMITTAL

To

AGM, PE MECH – NTPC LARA STPP - II
NTPC EOC, Noida

Sub: Reply to NTPC comments on ESP GA drawing (Rev-00) – LARA STPP Stage-II – 2x800 MW;
Customer No. R8/1555 & R8/1556-reg

Ref : (i) MDL Ref No: 9587-001-104-PVM-B-001
(ii) NTPC comments dated 09.03.2024 on Rev-01 document.

Herewith we are submitting following documents for your review and approval:

1. ESP General Arrangement drawing 0-00-111-88786 / Rev02 incorporating NTPC comments.
2. Point wise reply for the comments given by NTPC.

Kindly arrange to accord approval at the earliest to enable us proceed with further engineering activities.

Regards
Venkatesan K
Manager/AQCS
BHEL Ranipet

Point wise reply to NTPC comments dated 09.03.2024 on ESP GA drawing Rev01:

S. No.	NTPC COMMENTS	BHEL REPLY
1	We do not have any comment in the sizing of ESP and GA of ESP. However, any change in the ESP design philosophy shall be updated in the ESP GA	Noted. No changes in ESP GA due to ESP design philosophy which has been approved CAT-I on 13.03.2024.
2	Comment marked.	Comments corrected/ incorporated in Rev02.

Reference : CC-ENGG-9587-001-109-PVM-B-010

Date : 29/05/2024

From : RAMESH CHANDRA SHIAL
ENGINEER

To : BHARAT HEAVY ELECTRICALS LTD
NEW DELHI
110049
IN

Cc : singhjp@bhel.in

Subject : EPC Package

Please find enclosed following drawings/ documents for necessary action at your end.

Vendor Drg. No. : RPT-FGD-010

Orgn. Drg. No. : 9587-001-109-PVM-B-010

Revision No. : 01

Drg. Title : GENERAL ARRANGEMENT & DATA SHEET OF ABSORBER ALONG
WITH STAIRCASE AND PLATFORM".

App. Category : CAT-I

Release Date : 29/05/2024



Scan to verify

Comments : No Comment.

01	25.05.2024	Updated as per NTPC comments and latest Inputs	NKS	BS	AS
00	12.03.2024	Fresh Issue	NKS	BS	AS
REV	DATE	DESCRIPTION / NOTE	PRD	CHD	APD

REVISIONS

TITLE:

General Arrangement And Datasheet Of Absorber Along With Staircase And Platforms

OWNER/PROJECT: NTPC LIMITED



NTPC-LARA SUPER THERMAL POWER PROJECT
STAGE-II (2X800 MW) – EPC PACKAGE

EPC CONTRACTOR:



BHARAT HEAVY ELECTRICALS LTD.
BOILER AUXILIARIES PLANT, RANIPET

COLLABORATOR

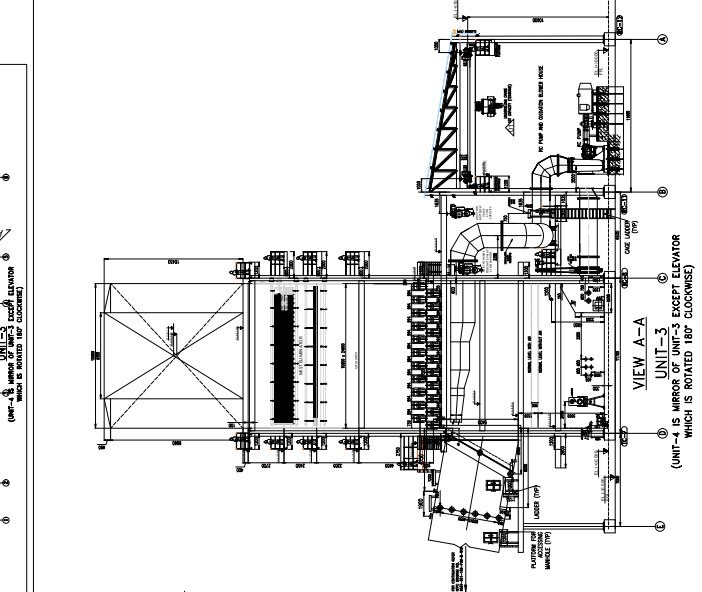


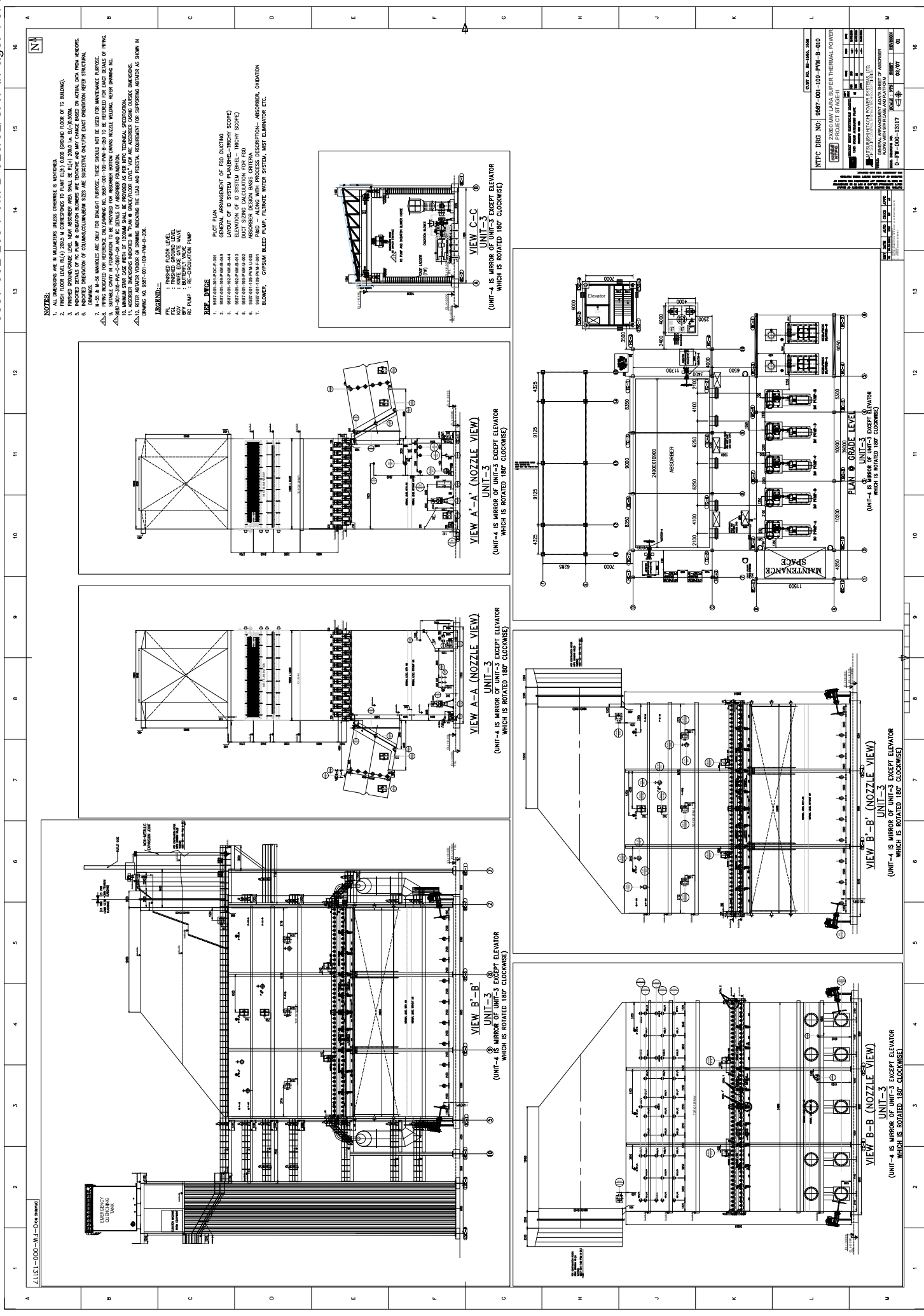
MITSUBISHI HITACHI POWER SYSTEMS, LTD
AIR QUALITY CONTROL SYSTEMS TECHNOLOGY DIVISION

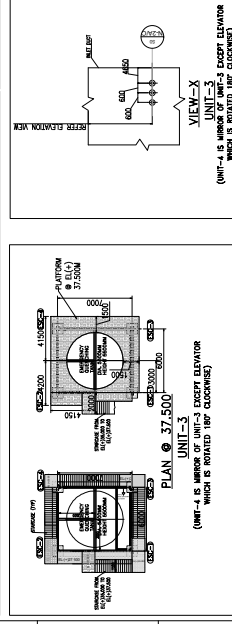
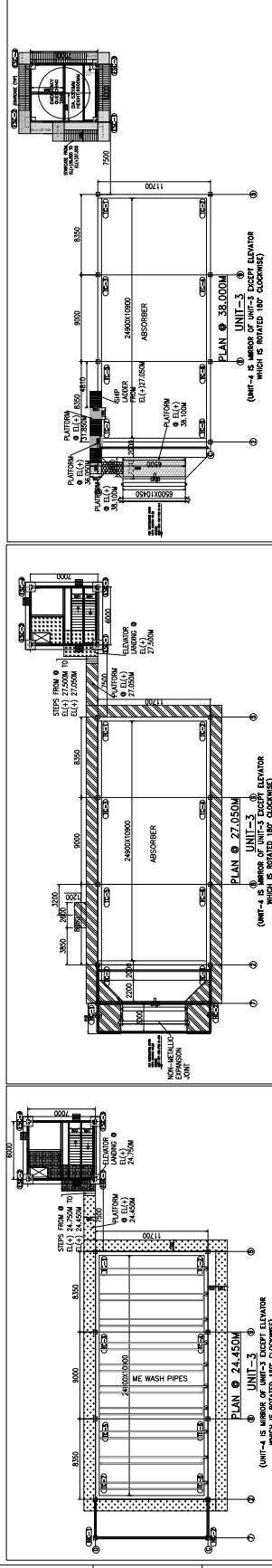
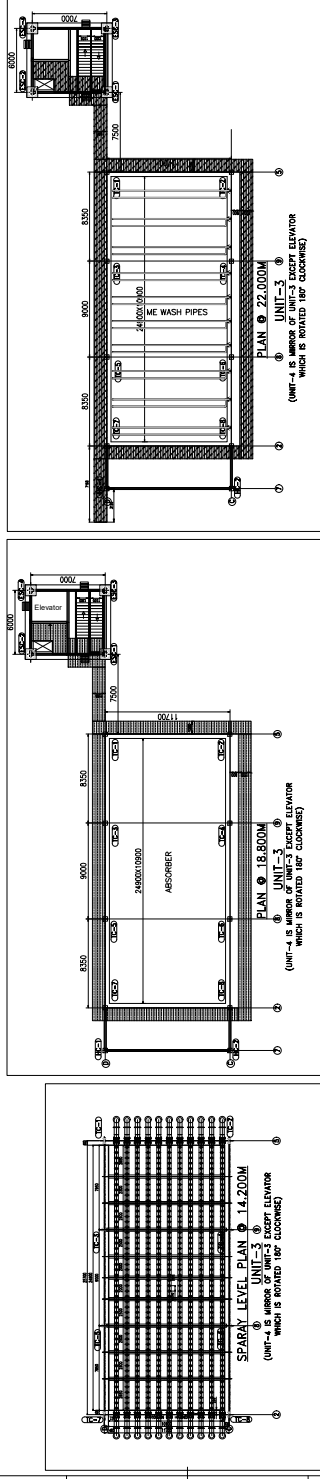
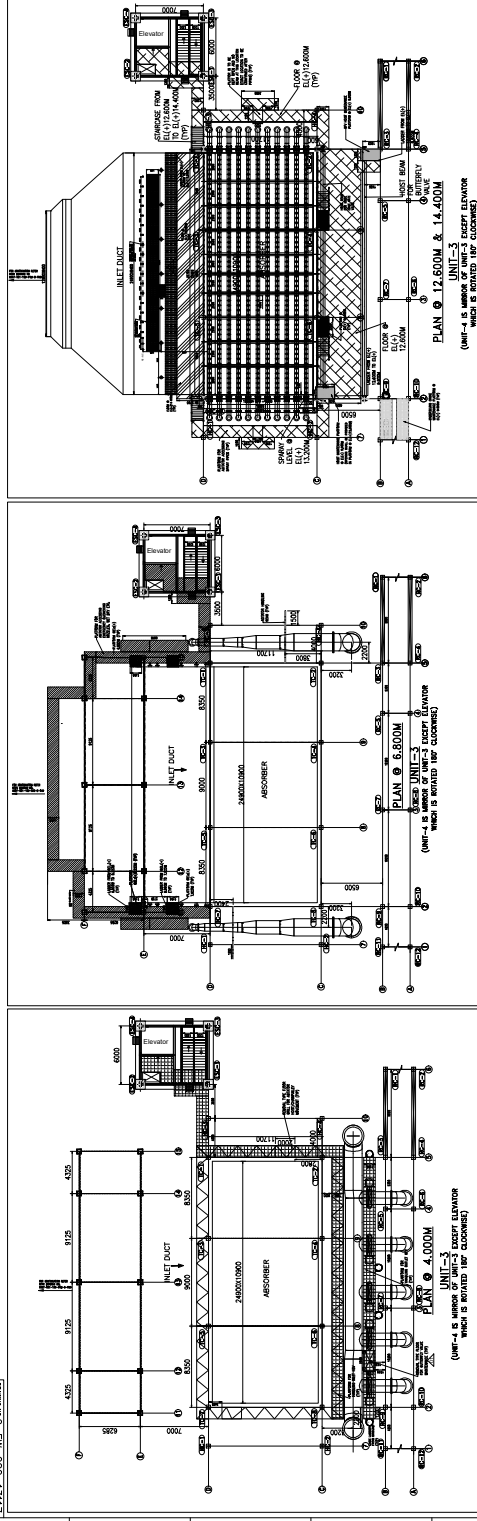
	BHEL	
PREPARED BY	NKS	STATUS : <i>FOR APPROVAL</i>
CHECKED BY	BS	REV NO : 01
APPROVED BY	AS	

NTPC DRG./DOC NO. : 9587-001-109-PVM-B-010

REPLY SHEET			
PROJECT: 2X800MW NTPC LARA			
Reference :	CC-ENGG-9587-001-109-PVM-B-010		DATED : 02.04.2023
Orgn. Drg. No.	9587-001-109-PVM-B-010		
Commented Revision No. :	00		
Drg. Title :	GENERAL ARRANGEMENT & DATA SHEET OF ABSORBER ALONG WITH STAIRCASE AND PLATFORM		
App. Category :	CAT-II		
2X800MW NTPC LARA - GENERAL ARRANGEMENT & DATA SHEET OF ABSORBER ALONG WITH STAIRCASE AND PLATFORM -CUSTOMER COMMENTS			
Ref.	Sl no	NTPC Comments	BHEL Reply
Transmittal Sheet	1	BHEL to discuss the before final submission	Noted and discussed on 03.05.2024 through VC.
	2	All the equipment coverage to be confirmed by BHEL	Noted and confirmed.
	3	All the platform shall be as per the specification requirement	Noted.
	4	BHEL to confirm that material specification is as per specification requirement	Noted and confirmed.
	5	Some changes has been observed with respect to Talcher	Kindly note that Lara is of 2X800 Mw capacity while Talchar is of 2X660 Mw so changes will be there accordingly. Further, changes were explained to NTPC during VC discussion on 03.05.2024.
	6	Other comments are marked on the drawing	Noted.
Sheet-1/7	1	Which column coordinate is marked not clear. Kindly indicate grid and column nos. for which coordinate is indicated.	Noted and marked.
	2	West Coordinate not matching with plot plan drg nos. 9587-001-999-POC-F-001, check and correct in relevant drawings.	Kindly refer correct plot plan as 9587-001-999-POC-F-001 is not the correct plot plan drawing no. Correct drawing no. for plot plan is 9587-001-301-POC-F-001. Refer Rev01 of the same drawing as submitted by BHEL-PEM for confirmation of coordinates correctness.
	3	Platform approaches, maintenance spaces, piping headroom etc. to be demonstrated in 3D model for approval of this drawing.	Kindly note that 3D model with piping can be completed after receipt of RC pump and other slurry pumps which will take some time after approval of this drawing. 3D Model will be shown separately as it progresses time to time. It is requested to approve this drawing in order to proceed further. Same was agreed during VC on 03.05.2024.
	4	Reference drawing nos. to be marked.	Noted and updated wherever is applicable.
	5	Cage ladder above 3.0 m height shall be avoided and regular staircase for local platform approach above 3.0 m shall be provided.	Kindly refer clause no. 14.02.00 of subsection A-05 of section VI Part- B of technical specification- "Staircase with minimum width of 1200 mm shall be provided for approach to elevated structures at 5m height from the nearest platform. Below this height a vertical ladder with minimum clear width of 600 mm may also be acceptable." So Cage ladders/Ladders as provided in Absorber area as per requirements are in line with technical specification and same is inline with all ongoing NTPC projects. Same was agreed during VC on 03.05.2024.
	6	Insert text here.	Not clear. Kindly clarify.
Sheet-2/7	1	Min. width of staircase shall be 1200 for each flight of staircase. Kindly indicate details.	Noted and confirmed. Same is marked in all views.

[illegible]





NTPC DRG NO. 9887-01-109-PW-B-010 		2X800 MW LARA SUPER THERMAL POWER PROJECT STAGE-II		<table border="1"> <thead> <tr> <th>DATE</th> <th>REVISION</th> <th>BY</th> <th>CHKD</th> <th>APPD</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		DATE	REVISION	BY	CHKD	APPD																2X800 MW LARA SUPER THERMAL POWER PROJECT STAGE-II NTPC LTD.		GENERAL ARRANGEMENT ADVISORY SHEET OF ARCHITECTURE DRAWING NO. 9887-01-109-PW-B-010		SCALE: 1/8" = 1'-0" DATE: 03/07/01	
DATE	REVISION	BY	CHKD	APPD																											
PREPARED BY: ARCHITECTURAL DESIGN DIVISION, NTPC LTD. CHECKED BY: ARCHITECTURAL DESIGN DIVISION, NTPC LTD. APPROVED BY: ARCHITECTURAL DESIGN DIVISION, NTPC LTD.																															
THIS DRAWING IS THE PROPERTY OF NTPC LTD. AND IS NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF NTPC LTD.																															

COMMON FOR UNIT-3&4

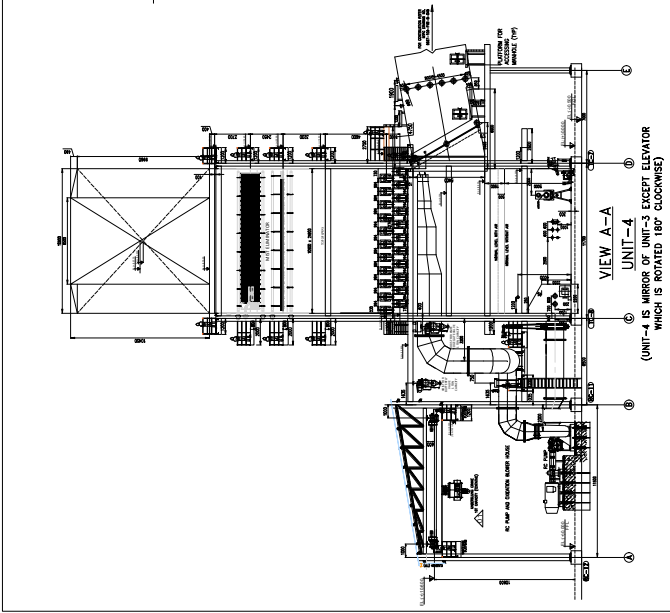
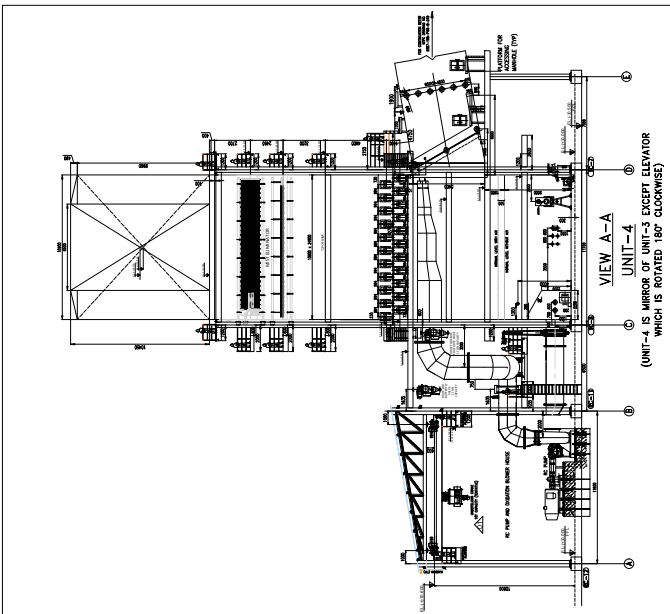
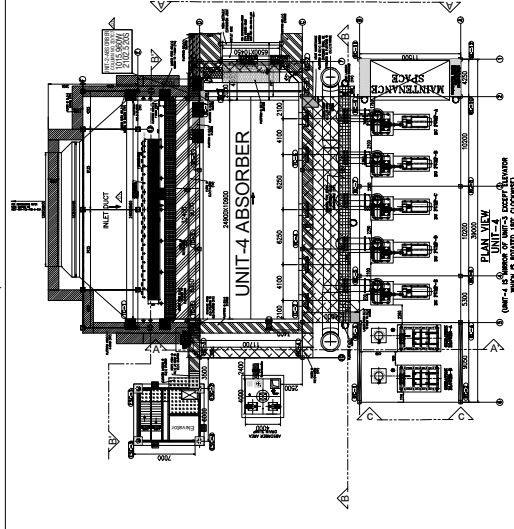
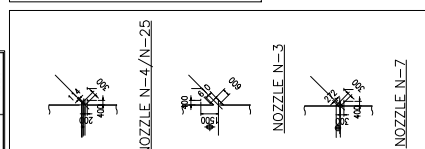
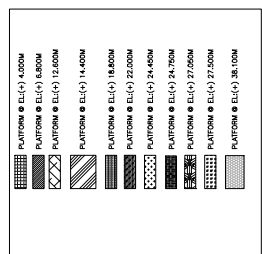
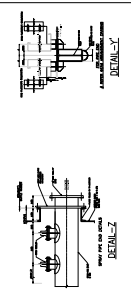
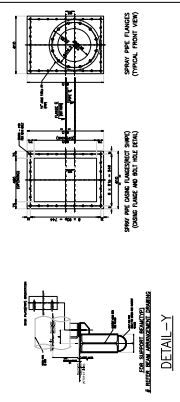
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SLNO	EQUIPMENT	MAIN EQUIPMENT LIST PER UNIT
1	RECIRCULATION SLURRY PUMP (4+1)	
2	OXIDATION BLOWER	
3	RC PIPING INLET KGV	
4	RC PIPING OUTLET BVF	
5	MIST ELIMINATOR (3 STAGE)	
5	ELECTRICAL HOIST FOR INLET KGV	
7	ELECTRICAL HOIST FOR OUTLET BVF	
3	ELECTRICAL HOIST FOR AGITATOR	
3	UNDERSLING CRANE	
10	ELEVATOR	
11	AGITATOR	

Technical drawings of various nozzle types and their dimensions:

- TYPE-A**: A simple cylindrical nozzle with a central hole. Dimension: $L \pm 0.1$.
- TYPE-B**: A nozzle with a flared base. Dimension: $L \pm 0.1$.
- TYPE-C**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-D**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-E**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-F**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-G**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-H**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-I**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-J**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-K**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-L**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-M**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-N**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-O**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-P**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-Q**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-R**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-S**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-T**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-U**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-V**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-W**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-X**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-Y**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.
- TYPE-Z**: A nozzle with a flared base and a central hole. Dimension: $L \pm 0.1$.

[illegible]

NOTES:

- [illegible]

LEGEND:-

- FFL : FINISHED FLOOR LEVEL
FGL : FINISHED GROUND LEVEL
KGV : KNIFE EDGE GATE VALVE
BIV : BUTTERFLY VALVE
RC PUMP : RE-CIRCULATION PUMP

DATE DEC 8 1966

- | NO. | FILE |
|-----|---------------------------|
| 1. | 9501-0001-001-POC-E-001 |
| 2. | 9501-0001-002-PW-B-044 |
| 3. | 9501-0001-002-PW-B-044 |
| 4. | 9501-0001-002-PW-B-013 |
| 5. | 9501-0001-002-PW-AW-J-002 |
| 6. | 9501-0001-002-PW-AW-J-002 |
| 7. | 9501-0001-002-PW-AW-J-003 |
| 8. | 9501-0001-002-PW-AW-J-001 |

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2X260 MW LARA SUPER-PHASE-III PROJECT STAGE-II		<table border="1"> <thead> <tr> <th>DATE</th> <th>NO.</th> <th>REV.</th> <th>BY</th> <th>CHKD.</th> <th>APPD.</th> </tr> </thead> <tbody> <tr> <td>10/01/01</td> <td>1</td> <td>1</td> <td>WJ</td> <td>WJ</td> <td>WJ</td> </tr> <tr> <td>10/01/01</td> <td>2</td> <td>1</td> <td>WJ</td> <td>WJ</td> <td>WJ</td> </tr> <tr> <td>10/01/01</td> <td>3</td> <td>1</td> <td>WJ</td> <td>WJ</td> <td>WJ</td> </tr> <tr> <td>10/01/01</td> <td>4</td> <td>1</td> <td>WJ</td> <td>WJ</td> <td>WJ</td> </tr> <tr> <td>10/01/01</td> <td>5</td> <td>1</td> <td>WJ</td> <td>WJ</td> <td>WJ</td> </tr> <tr> <td>10/01/01</td> <td>6</td> <td>1</td> <td>WJ</td> <td>WJ</td> <td>WJ</td> </tr> <tr> <td>10/01/01</td> <td>7</td> <td>1</td> <td>WJ</td> <td>WJ</td> <td>WJ</td> </tr> <tr> <td>10/01/01</td> <td>8</td> <td>1</td> <td>WJ</td> <td>WJ</td> <td>WJ</td> </tr> <tr> <td>10/01/01</td> <td>9</td> <td>1</td> <td>WJ</td> <td>WJ</td> <td>WJ</td> </tr> <tr> <td>10/01/01</td> 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PREPARED BY: **WJ** CHECKED BY: **WJ** APPROVED BY: **WJ**
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 GENERAL MANUFACTURING AND TRADING COMPANY
 100, RAJENDRA NAGAR, CHENNAI - 600 028
 TEL: 044-2610 1111 FAX: 044-2610 1112 E-MAIL: watts@vsnl.com

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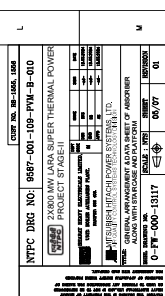
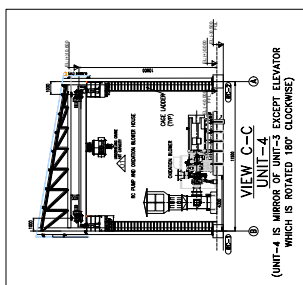
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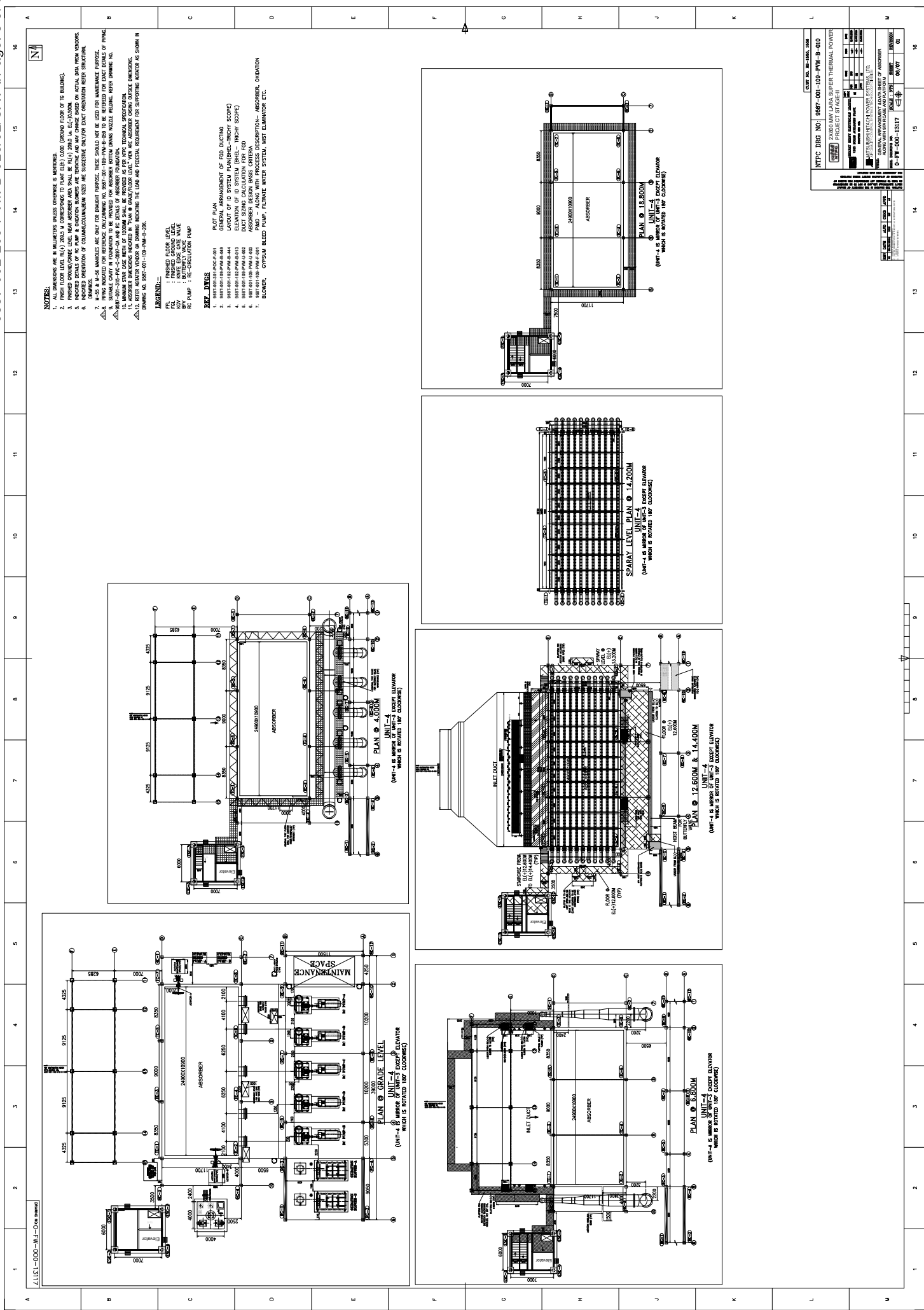
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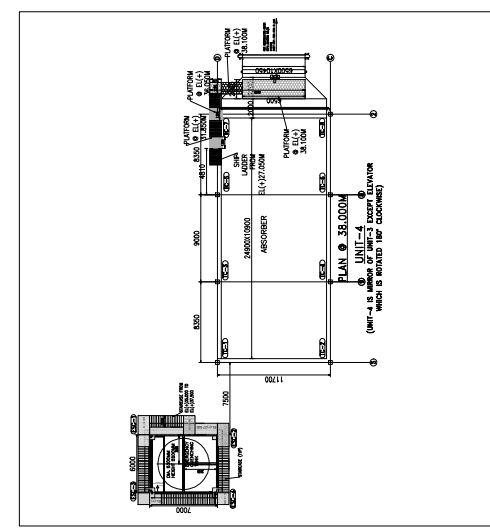
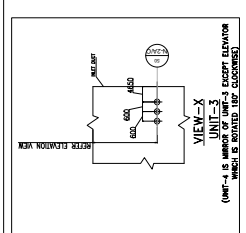
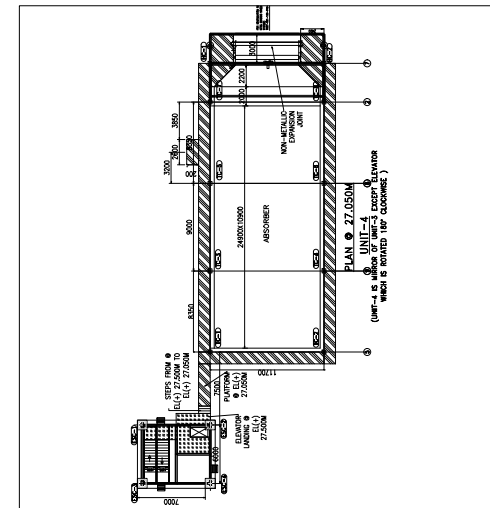
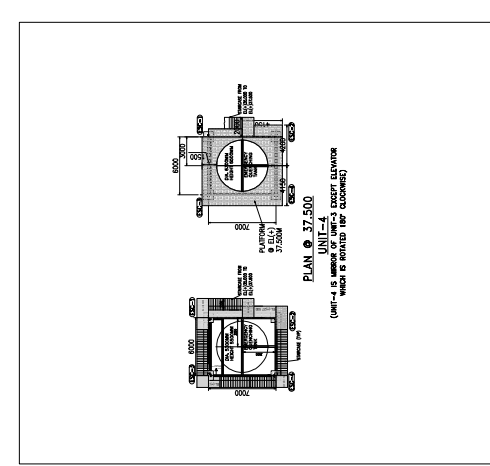
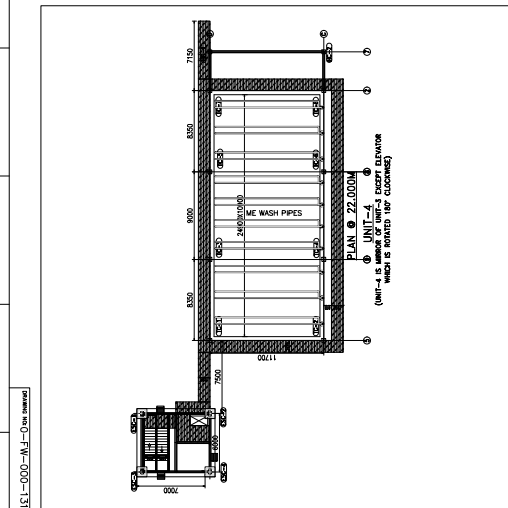
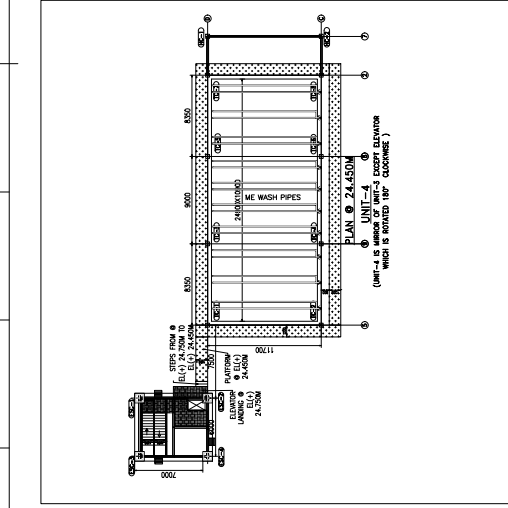
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DATE	DATE	ALYD	CHXD	APPO
01/01/2010	01/01/2010	01/01/2010	01/01/2010	01/01/2010







NOTES:

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LEGEND:-

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FPL : FINISHED FLOOR LEVEL
FGL : FINISHED GROUND LEVEL
KGV : KNIFE EDGE GATE VALVE
BFV : BUTTERFLY VALVE
RC PUMP : RE-CIRCULATION PUMP

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REF. DYES

1. 9387-2001-102-PVC-F-001
2. 9387-2001-102-PVC-B-049
3. 9387-2001-102-PVC-B-444
4. 9387-2001-102-PVC-B-013
5. 9387-2001-102-PVC-B-002
6. 9387-2001-102-PVC-B-003
7. 9387-2001-102-PVC-B-001

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