

TYP. DETAIL OF PEDESTAL
MARKED - PG1 TO PG6
(SHOWING BOLT LOCATION ONLY)
(SCALE 1:50)

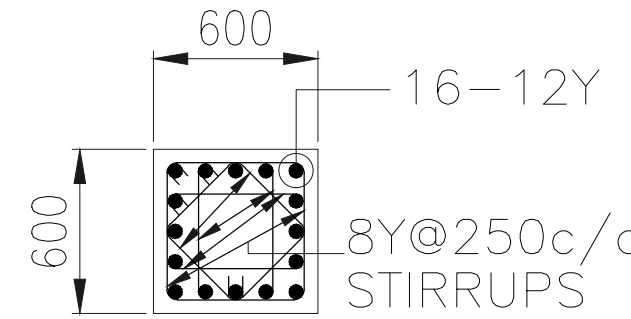
D-20ø FOR (TR-39 TO TR-48)
(TR-51 TO TR-54)
(TR-57 TO TR-59)
D-25ø FOR (TR-49, TR-50 & TR-55)

TYP. DETAIL OF PEDESTAL
MARKED - PG7
(SHOWING BOLT LOCATION ONLY)
(SCALE 1:50)

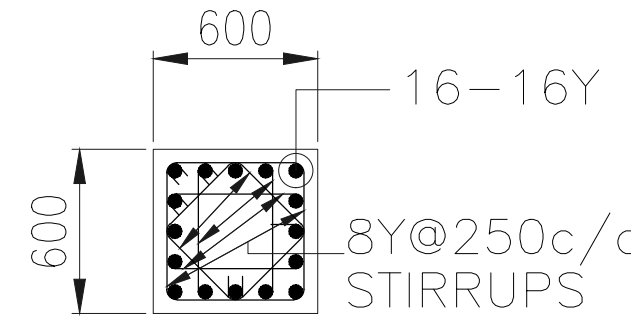
D-25ø FOR (TR-56)

GROUPING OF PEDESTALS

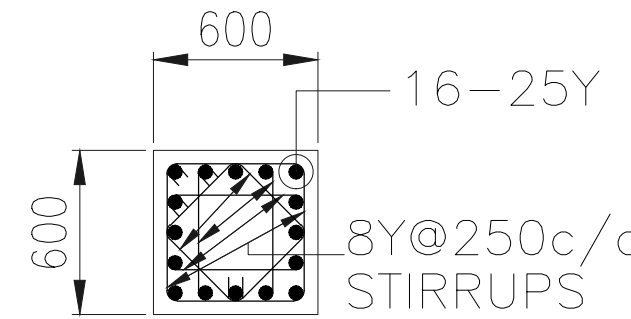
S.NO.	PEDESTAL GROUP MKD.	PEDESTAL NO.
1	PG1	P5 TO P8, P17 TO P20, P25, P26, P31, P32, P37 TO P42
2	PG2	P33, P34
3	PG3	P1, P2
4	PG4	P3, P4
5	PG5	P9 TO P16, P27 TO P30
6	PG6	P21 TO P24
7	PG7	P35, P36



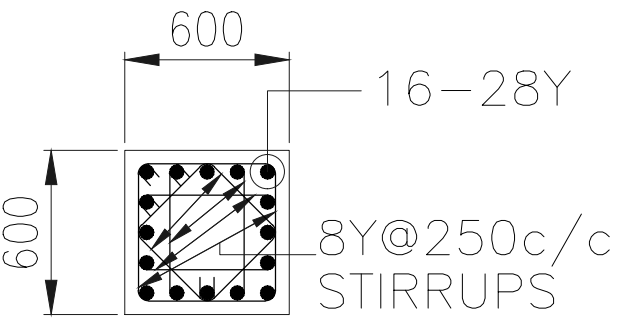
TYP. DETAIL OF PEDESTAL
MARKED - PG1
(SHOWING REINFORCEMENT ONLY)
(SCALE 1:50)



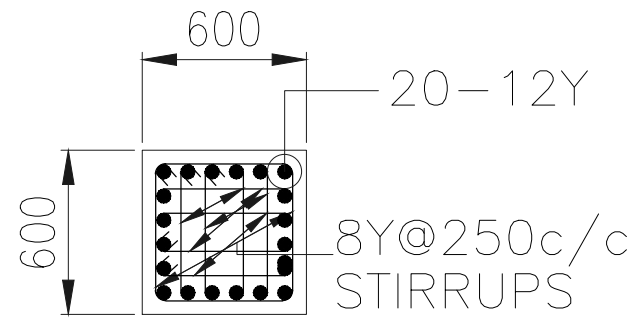
TYP. DETAIL OF PEDESTAL
MARKED - PG2
(SHOWING REINFORCEMENT ONLY)
(SCALE 1:50)



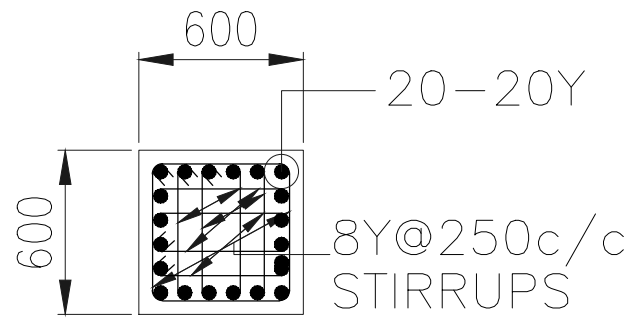
TYP. DETAIL OF PEDESTAL
MARKED - PG3
(SHOWING REINFORCEMENT ONLY)
(SCALE 1:50)



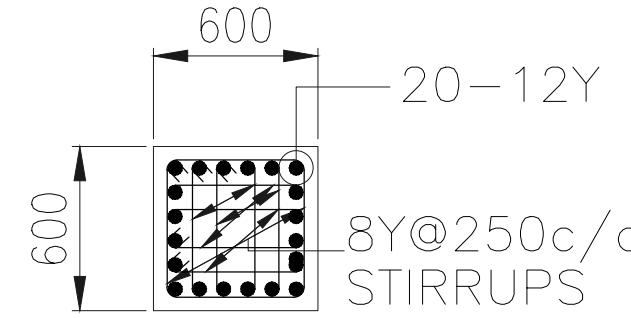
TYP. DETAIL OF PEDESTAL
MARKED - PG4
(SHOWING REINFORCEMENT ONLY)
(SCALE 1:50)



TYP. DETAIL OF PEDESTAL
MARKED - PG5
(SHOWING REINFORCEMENT ONLY)
(SCALE 1:50)



TYP. DETAIL OF PEDESTAL
MARKED - PG6
(SHOWING REINFORCEMENT ONLY)
(SCALE 1:50)



TYP. DETAIL OF PEDESTAL
MARKED - PG7
(SHOWING REINFORCEMENT ONLY)
(SCALE 1:50)

SCHEDULE OF FOOTING REINFORCEMENT

S.NO.	FOOTING MKD.	FOOTING SIZE		DEPTH (D)	ALONG L (N-S)		ALONG B (E-W)		FOOTING B.O.C
		L (N-S)	B (E-W)		BAR MKD.'b1' (BOTTOM)	BAR MKD.'t1' (TOP)	BAR MKD.'b2' (BOTTOM)	BAR MKD.'t2' (TOP)	
1	F1	3500	7000	450	12Y@150c/c	12Y@150c/c	12Y@150c/c	12Y@150c/c	EL(-)1.00
2	F2	4000	7000	500	12Y@150c/c	12Y@150c/c	12Y@150c/c	12Y@150c/c	EL(-)1.00
3	F3	2000	4750	450	12Y@175c/c	12Y@175c/c	12Y@175c/c	12Y@175c/c	EL(-)1.00
4	F4	2000	5000	450	12Y@175c/c	12Y@175c/c	12Y@175c/c	12Y@175c/c	EL(-)1.00
5	F5	2100	5000	450	12Y@175c/c	12Y@175c/c	12Y@175c/c	12Y@175c/c	EL(-)1.00
6	F6	2800	4500	450	12Y@150c/c	12Y@150c/c	12Y@150c/c	12Y@150c/c	EL(-)1.00
7	F7	5500	5500	450	12Y@175c/c	12Y@175c/c	12Y@175c/c	12Y@175c/c	EL(-)1.00
8	F8	4000	1750	450	12Y@175c/c	12Y@175c/c	12Y@175c/c	12Y@175c/c	EL(-)1.00
9	F9	4500	3500	450	12Y@150c/c	12Y@150c/c	12Y@150c/c	12Y@150c/c	EL(-)1.00
10	F10	4000	2000	400	12Y@175c/c	12Y@175c/c	12Y@175c/c	12Y@175c/c	EL(-)1.00
11	F11	5000	3500	350	12Y@225c/c	10Y@225c/c	12Y@225c/c	10Y@225c/c	EL(-)1.00
12	F12	5000	3200	350	12Y@225c/c	10Y@225c/c	12Y@225c/c	10Y@225c/c	EL(-)1.00
13	F13	5000	2600	350	12Y@225c/c	10Y@225c/c	12Y@225c/c	10Y@225c/c	EL(-)1.00
14	F14	4500	2500	350	12Y@200c/c	12Y@200c/c	12Y@200c/c	12Y@200c/c	EL(-)1.00
15	F15	1500	3500	350	12Y@225c/c	10Y@225c/c	12Y@225c/c	10Y@225c/c	EL(-)1.00

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETERS, CO-ORDINATES & LEVELS IN METERS.
- ALL ELEVATIONS ARE REFERRED TO FINISHED FLOOR LEVEL OF POWER HOUSE BUILDING AT EL(+0.00 WHICH CORRESPONDS TO RL (+)375.50M. ABOVE MSL.
- ALL STRUCTURAL CONCRETE SHALL BE OF GRADE M-25 UNLESS OTHERWISE NOTED.
- ALL REINFORCEMENT SHALL BE OF HIGH YIELD STRENGTH DEFORMED BARS Fe500D CONFORMING TO IS:1786 (LATEST).
- NET SAFE BEARING CAPACITY IS CONSIDERED AS 10 T/50M AT EL(-)1.00M LVL.
- FOR CLEAR COVER TO OUTERMOST REINFORCEMENT (INCLUDING TIES) REFER STANDARD DRG NO. 9585-001-315-PVC-C-0451B.
- BACK FILLING SHALL HAVE TO BE DONE ENSURING PROPER COMPACTION AND AS PER SPECIFICATION USING EARTH SOIL. BACK FILLING SHALL BE CARRIED OUT IN LAYERS NOT EXCEEDING 300 MM. AND EACH LAYER TO BE COMPACTED SO AS TO ACHIEVE ATLEAST 90% COMPACTION AS PER STANDARD PROCTOR DENSITY TEST.
- BOTTOM 300MM EXCAVATION TO BE DONE CAREFULLY TO AVOID OVER EXCAVATION AND PCC TO BE DONE IMMEDIATELY AFTER EXCAVATION AND COMPACTION.
- QUANTITIES INDICATED IN BILL OF MATERIALS ARE APPROXIMATE AND DO NOT INCLUDE FOR SPLUNG, GUSSETS, CONNECTIONS & WASTAGES.
- FOR ALL OTHER NOTES GRADE OF STEEL REFER DRG. NO. 9585-001-315-PVC-C-0089A

ENGINEERING REFERENCE DRAWING:

- PE-DG-434-100-M001 - PLOT PLAN (9585-001-999-PDC-F-001)
- PE-DG-434-100-M002 - MAIN EQUIPMENT LAYOUT PLAN AT 0.00M (9585-001-999-PGM-F-001)
- PE-DG-434-100-M0543 - YARD PIPING & TRESTLE LAYOUT 2 (PR-02 AREA NEAR BOILER, 9585-001-999-PGM-F-0108 ESP UNIT-2, GYPSUM AND LIMESTONE BUILDING)

CONSTRUCTION REFERENCE DRAWING:

- PE-DG-434-675-C012 - PIPE RACK PR-1(BOP AREA -STRUCTURAL ELEVATION & DETAILS) (9585-001-315-PVC-C-1461)

SPECIAL NOTE

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BILL OF MATERIAL:- (FOR PR-1 SHT 2)

SL.NO.	ITEM	UNIT	QTY.
1	RCC (M25)	Cu.M	157
2	PCC	Cu.M	21
3	REINFORCEMENT		
	8MM TMT	MT	1.60
	10MM TMT	MT	0.50
	12MM TMT	MT	8.00
	16MM TMT	MT	0.40
	25MM TMT	MT	2.00
TOTAL			12.501

BHEL-PROJECT ENGINEERING MANAGEMENT(OH)			
THIS DRAWING MARKED(✓) IS RELEASED FOR			
✓ COMMENTS/REVISION			
✓ PLANNING/INFORMATION			
✓ CONSTRUCTION			
STAMP ALL PREVIOUS REVISION AS SUPERSEDED			
NAME	ABHAY KUMAR	SIGN	
SIGNATURE	-Sa-		
DATE	07/06/2020		

NTPC DWG. NO. 9585-001-315-PVC-C-1459			
CUSTOMER	NTPC LIMITED		
3X800MW PATRATU SUPER THERMAL POWER PROJECT			
POWER SECTOR PROJECT ENGINEERING MANAGEMENT NOIDA			
Bharat Heavy Electricals Ltd			
The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.			
DEPT	NAME	SIGN	DATE
CHD	DESIGN	CHD	06/06/2020
CHD	ABHAY	CHD	06/06/2020
APPRO	SE	APPRO	06/06/2020
TITLE PIPE RACK PR-1 PIPE RACK PR-1/ BOP AREA - GA & RC DETAILS			
DEPT	SCALE 1:100	DRAWING NO.	
SIGN		PE-DG-434-675-C010	
SHEET	2 OF 2	REV	NO