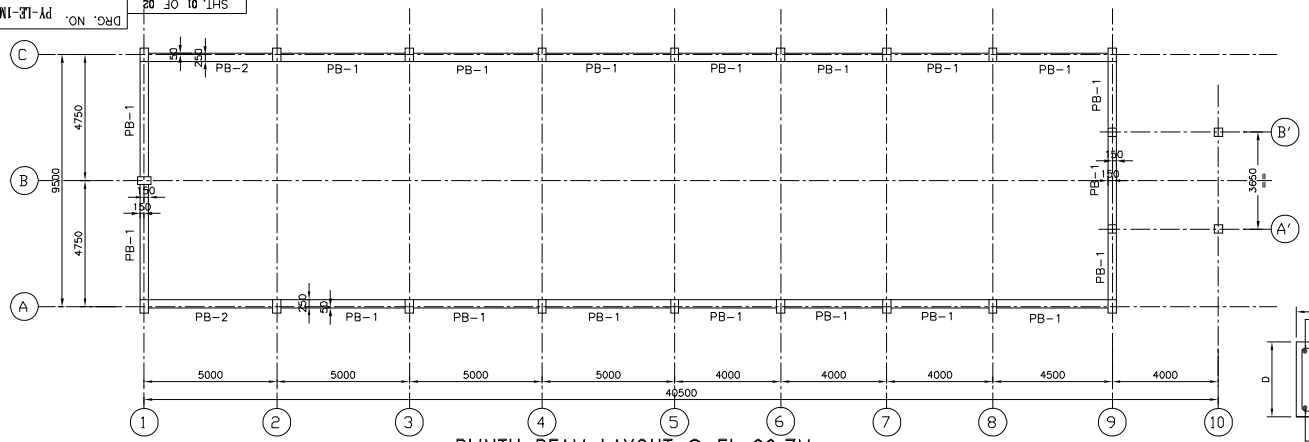
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

DRG. NO. PY-LE-IM088-1260-04

SHT. 01 OF 02



PLINTH BEAM LAYOUT @ EL 99.7M

(SCALE-1:100)

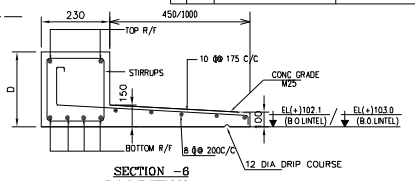
SCHEDULE OF PLINTH BEAMS

T.O.P.B : EL(+)99.7 (UNO)

SL.NO	BEAM MARK	SUPPORT (X-X)	MID SPAN (Y-Y)
01	PB1	300 × 500	300 × 500
02	PB2	300 × 500	300 × 500

SCHEDULE OF ROOF BEAMS

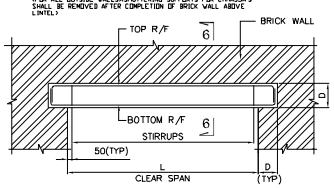
SL.NO	BEAM MARK	SUPPORT (X-X)	MID SPAN (Y-Y)
01	RB1	T.O.R.B : EL(+)103.5 (UNO) 300 × 400	300 × 400
02	RB2	300 × 400	300 × 400
03	RB3	250 × 300	250 × 300
04	RB4	300 × 400	300 × 400



SECTION -6

(WITH SUNSHADE)(REFER TABLE-1)

(FOR ALL OUTSIDE WALLS)-SHUTTERING SUPPORTS FOR CHAJJA'S SHALL BE REMOVED AFTER COMPLETION OF BRICK WALL ABOVE LINTEL)

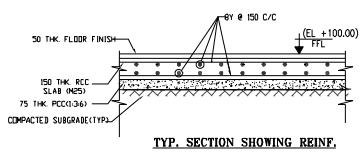


TYPICAL DETAIL OF LINTEL BEAM

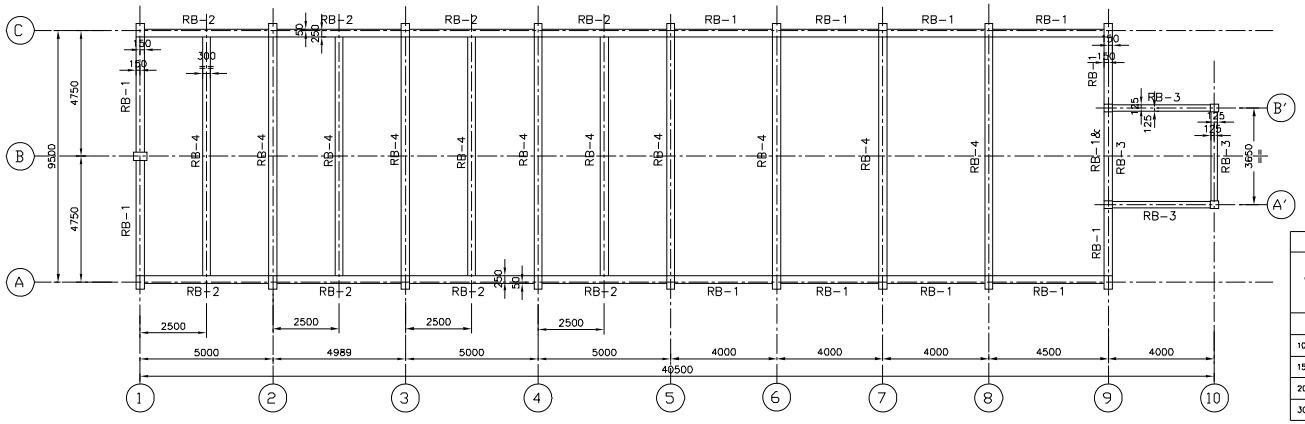
(FOR WALL SUPPORT)

TABLE-1

CLEAR SPAN L	DEPTH D	B=230 HYSD. REINFORCEMENT BOTTOM	TOP	STIRRUPS
L <1000	150	2-10 ϕ	2-10 ϕ	8 ϕ @ 150 C/C
1000 < L <1500	200	2-10 ϕ	2-10 ϕ	8 ϕ @ 150 C/C
1500 < L <2000	250	4-12 ϕ	3-12 ϕ	8 ϕ @ 150 C/C
2000 < L <3000	300	4-16 ϕ	3-16 ϕ	8 ϕ @ 150 C/C
3000 < L <4000	350	4-16 ϕ	3-16 ϕ	8 ϕ @ 150 C/C

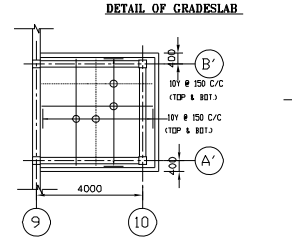


TYP. SECTION SHOWING REINF. DETAIL OF GRADESLAB

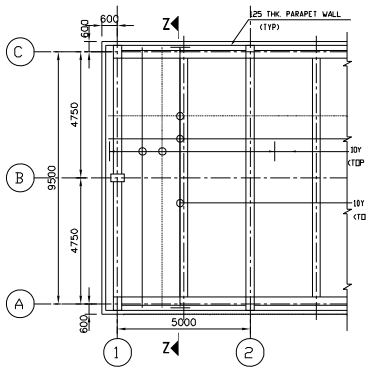


ROOF BEAM LAYOUT @ EL 104.50

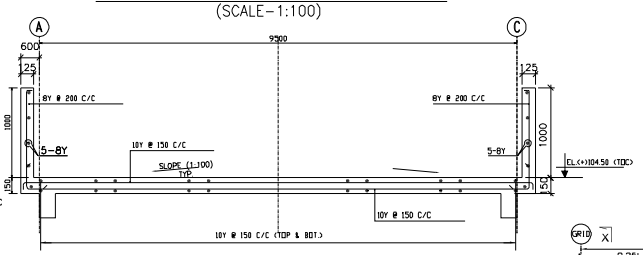
(SCALE-1:100)



PLAN AT EL(+)103.50m (T.O.ROOF)
(200 THK. SLAB)

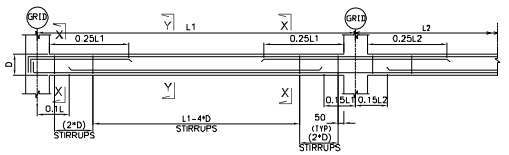


PART PLAN AT EL(+)104.50m (T.O.ROOF)
(150 THK. SLAB)



SECTION-Z-Z

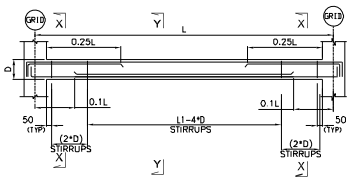
SECTION SHOWING REINF. OF ROOF SLAB AT EL(+)104.50m (T.O.C.)



TYPICAL BEAM REINFORCEMENT CURTAILMENT DETAIL

(CONTINUOUS SPAN)

FOR TENDER PURPOSE ONLY.
FINAL DETAILS SHALL BE FURNISHED DURING DETAILED ENGINEERING.



TYPICAL BEAM REINFT. CURTAILMENT DETAIL

(SINGLE SPAN)

BILL OF MATERIALS (APPROX.)

DESCRIPTION	PCC (M3)	CONCRETE (M3) M25	REINFORCEMENT (TnS500) (MT) 25	20	10	8
PLINTH BEAM	3.20	13.8	-	1.5	0.55	-
ROOF BEAM	-	24.8	4.9	1.6	-	1.5
ROOF SLAB	-	64.4	-	-	6.0	-
GRADE SLAB	26.5	52.1	-	-	-	3.70
PARAPET	-	13.0	-	-	-	0.60
LINTEL BEAM&CHAJJA	-	4.2	-	-	0.3	0.2
TOTAL	29.7	172.3	4.9	3.1	6.85	6.0

LEGEND

EL - ELEVATION
T.O.C - TOP OF CONCRETE
T.O.R.B - TOP OF ROOF BEAM.
T.O.P.B - TOP OF PLINTH BEAM.
UNO - UNLESS NOTED OTHERWISE

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES, UNO.
2. ALL R.C.C WORK SHALL BE OF M-25 GRADE (DESIGN MIX) AS PER IS-456, UNO.
3. ALL REINFORCEMENT MARKED 'ϕ' SHALL CONFORM TO IS1786 AND Φ SHALL CONFORM TO IS 432 (PART -I)
4. REINFORCEMENT STEEL SHALL BE OF Fe500(TMT) GRADE, CONFORMING TO IS1786.
5. FOR CLEAR COVER TO MAIN REINFORCEMENT SHALL BE 35MM FOR ROOF BEAMS,25MM FOR LINTEL BEAM,GRADE SLAB & ROOF SLAB AND 40MM FOR PLINTH BEAMS.
6. THIS DRAWING SHALL BE READ IN CONJUCTION WITH TERMS AND CONDITIONS OF THE CONTRACT AND SPECIFICATIONS & REFERENCE DRAWINGS.
7. BENDING & FIXING OF REINFORCEMENT SHALL BE AS PER IS 2502.
8. NO DIMENSIONS FROM THIS DRAWING ARE TO BE SCALED OFF AND ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.
9. CHECK ALL DIMENSIONS, CO-ORDINATES & ELEVATIONS IMMEDIATELY, REPORT ANY DISCREPANCIES, CONFLICTS OR ERROR FOR CLARIFICATION PRIOR TO COMMENCING WORK.

REFERENCE

1. PY-DR-IM088-1260-01- PESS ROOM FOUNDATION LAYOUT& DETAILS
2. PY-DA-IM088-1260-01- PESS ROOM ARCHITECTURAL DWGS.

REV	DATE	ALTERED	CHD/APPD
ZONE			

PROJECT : 65MWp SOLAR POWER PLANT

CUSTOMER / CONSULTANT : NEYVELI LIGNITE CORPORATION LTD.
NEYVELI-TAMILNADU

BHARAT HEAVY ELECTRICALS LTD.
UNIT : PE&SD-HYDERABAD

	NAME	SIGN.	DATE	NO OF VAR.
DRN.	DPK		24.09.16	N.A.
CHD.	PVG		24.09.16	
APPD.	EC		24.09.16	

DEPT	UNTOL. DIMS.	SCALE	WEIGHT (KG)	REF. TO ASSY. DRG.	ITEM NO.	NO.OF ITEMS
PE&SD	GR. g/M/f	1:100	N.A.	N.A.	N.A.	N.A.
CODE 450						

TITLE : PESS ROOM-GA&RCC DETAILS

CARD CODE : NA

DRAWING NO. : PY-DR-IM088-1260-04 REV. 00

SHT. No. 00 NO OF SHT. 00

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GENERAL DIMENSIONAL LIMITS,FITS & TOLERANCES AS PER HY023061

COMPUTER FILE NAME | REF. DRG. NO. | SIGN. AND DATE | INVENTORY NO

RESTRICTED

Plotted: Thu 29 15:48 2016

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