



ಭಾರತ್ ಹವಿ ಎಲೆಕ್ಟ್ರಿಕಲ್ಸ್ ಲಿಮಿಟೆಡ್  
भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Limited

( A Government of India Undertaking)

**ELECTRONICS DIVISION**

**P.B.No 2606, Mysore Road, Bangalore - 560 026**

Phone : 080 – 26998454 / 26989109, Fax : 080 – 26989217, email id : [atthi@bheledn.co.in](mailto:atthi@bheledn.co.in),  
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REF: CE/PMC/2015-16/NLC-R&M/LIGHTING-NIT/DA

DATE: 25.06.2015

**ONLY REGISTERED CONTRACTORS WITH NLC TO QUOTE**

**Subject:** Tender enquiry for the work of Electrical Lighting arrangements for Control rooms - Boiler Remote I/O room (BRIO) & Turbine Remote I/O room (TRIO) at Neyveli Lignite Corporation Ltd (NLC), TS-2, Stage-II ( 4x210MW) Unit 5, Neyveli.

Tender Enquiry Number : CE/PMC/2015-16/NLC-R&M/LIGHTING-NIT/DA  
Tender date : 25.06.2015  
Tender Due Date and Time : 02.07.2015 at 13.00 hrs.

Sealed tenders in single part are invited for the work of Electrical Lighting arrangements for control rooms at NLC, TS - 2, STAGE – II R & M site (4 x 210 MW) Unit 5, NEYVELI. The following details may be carefully studied and considered in responding to this enquiry.


1. Tenderer should be a registered contractor with NLC.
2. Offer envelope shall be super scribed with the “Tender Enquiry number, due date and time and NLC registration reference”. In the absence of NLC registration reference on the offer envelope, offer will be rejected.
3. Offer can be sent by post/courier addressed to Resident Manager, BHEL EDN-NLC site, TS-2, Stage-II, Neyveli- 607 807, Mobile: 09489509597 so as to reach before the due date and time. Offers can also be handed over / submitted to **Resident Manager, BHEL-EDN-NLC site, TS-2, stage – II, Neyveli- 607807, Mobile: 09489509597** before due date & time.
4. Offers from NLC registered bidders only will be opened at BHEL-EDN, Bangalore on 03.07.2015 at 13.30 hours in the presence of bidders who wish to be present.
5. This tender is for supply and installation of Electrical lighting items mentioned in the schedule of prices for BRIO & TRIO rooms as per drawing enclosed under inspection of BHEL EDN site engineer.
6. The validity of offer shall be 60 days from the date of opening.
7. The prices quoted shall be FIRM. No escalation in price/s will be allowed.
8. Service tax applicable will be reimbursed against documentary evidence for remittance of same.



9. Bidder is advised to return one set of this NIT duly signed in all the pages along with the offer. The bidder shall also submit a copy of PF registration certificate, Income Tax PAN, VAT registration and Service tax registration certificate along with the offer.
10. The tender is likely to be finalized in a very short time. No extension of time will be given for submission of offer under any circumstances.
11. Advance payment and interim payment will **not** be paid.
12. For any clarification on this tender, Addl. General Manager / CE-PMC may please be contacted on phone no. 09449869660, 9489509597 / 080 - 26998454, Fax no. 080 - 26989217, email id: [atthi@bheledn.co.in](mailto:atthi@bheledn.co.in), [maurya@bheledn.co.in](mailto:maurya@bheledn.co.in).
13. All corrigenda, addenda, amendments and clarifications to this tender will be hosted on web sites [www.bhel.com](http://www.bhel.com) & [www.bheledn.com](http://www.bheledn.com) only and the tenderers shall keep themselves updated by visiting the site periodically.
14. Section 1 & 2 form part of the tender and may be studied carefully before submitting offer.  
SECTION 1: Special Instructions.  
SECTION 2: Scope of Work and Schedule of Price & Enclosures.
15. BHEL reserves the right to cancel or reject the offer either partly or in full without assigning any reasons thereof.

Thanking you,

Yours Faithfully,  
For & On behalf of BHEL-EDN

  
(D ATTHI)  
AGM /CE-PMC



## SECTION 1

### SPECIAL INSTRUCTIONS

1. **Project Location:** Work is to be carried out at Unit 5 of Stage – II of TS - II, NLC Limited, Neyveli- 607 807. NLC, TS-II is located at Neyveli, Panruti Taluk in the district of Cuddalore, Tamilnadu and it is around 200 km from Chennai. All items to be delivered to **Resident Manager, BHEL-EDN-NLC site, TS-2, stage – II, Neyveli- 607807, Mobile: 09489509597.**
2. This tender is for supply and installation of Electrical lighting items for BRIO & TRIO rooms as per drawing enclosed and scope of work / schedule of prices at Section-II under supervision of BHEL EDN site engineer.
3. Only NLC registered contractors are allowed to participate in this tender.
4. The offer shall be submitted in a single part in a sealed envelope prominently super scribing the Tender Enquiry Number, due date and NLC registration reference as mentioned in the covering letter.
5. No EMD is applicable for this tender.
6. No Security deposit is applicable for this work.
7. All necessary personal safety equipment as considered adequate by the BHEL site Engineer or the safety officer of NLC should be made available at bidders cost for use by the persons engaged for this work.
8. **Guarantee for supply and workmanship** is applicable for a period of three months from the date of successful completion of work as certified by BHEL-EDN Resident Engineer/Manager. The Bidder shall make good any defects/faults that arise within the guarantee period free of cost. Resident Manager shall decide regarding faults/defects in workmanship.
9. The bidder shall mobilize his men, materials, tools & tackles to site after release of work order as per instruction of BHEL Resident manager.
10. In addition to the local laws and regulations, the bidder shall also comply with the Minimum Wages Act. The Payment of Wages Act and the rules made there under in respect of labour currently employed on or connected with the contract shall be followed.
11. Bidder shall follow applicable ISI standards and codes for this supplies/works.
12. Bidder shall visit the control rooms ( BRIO room & TRIO room) before submitting the offer for better clarity on the scope of work.



13. **Delivery:** Supply to be completed within two weeks from the date of release of work order. Installation and commissioning to be completed within 30 days from the date of release of work order.
14. **Payment terms:** 90% payment will be released on completion of work & actual measurement certification by BHEL Site Engineer. Bill shall be forwarded to BHEL-EDN, Bangalore for process and payment will be released from Bangalore. Balance 10 % will be paid after completion of supply and workmanship guarantee period, against supplementary invoice. Separate bills to be submitted for supply & installation.
15. **Mode of payment:** All Payments will be made by EFT from BHEL EDN Bangalore and the EFT charges shall be borne by the bidder. The successful bidder has to submit duly filled EFT mandate Form (enclosed at page 7 of 13) certified by their Bank in original along with a cancelled Cheque after award of work.
16. Service tax applicable will be reimbursed against documentary evidence for remittance of same.
17. Income tax plus surcharge as applicable will be deducted from the gross amount of each bill.
18. Bidder to furnish a copy of PAN Card, VAT registration and Service tax registration certificate along with the offer.

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## SECTION – 2

### SCOPE OF WORK & SCHEDULE OF PRICE

Sl. No	Description	Qty	Unit Price in Rs.	Amount in Rs
	<b>SUPPLY OF FOLLOWING ITEMS</b>			
1	BJDWIS 80 MV BC (HPMV 80W BC)- BAJAJ ORDER PRODUCT CODE: 161449 (or) PHILIPS Equivalent	18 Nos		
2	BJIR 136/140 WEB1 along with IV reflector suitable for 022104 136/140/236/240 (1x36/40W FTL) - BAJAJ ORDER PRODUCT CODE: 531003 + 022104 (or) PHILIPS Equivalent	4 Nos		
3	BMMR 236/240 WEB2 (2x36/40W FTL) - BAJAJ ORDER PRODUCT CODE: 530008 (or) PHILIPS Equivalent	26 Nos		
4	Lighting Distribution Board of reputed make equivalent to Havels model No. DHDAMHSCZ00032	1 No		
5	2.5 sq. mm IS:1554 PVC insulated, 3 core un- armoured cable	300 Mtrs		
6	3 pin 5 A socket	4 Nos		
7	6 pin 15 A socket	3 Nos		
8	5 A switch	13 Nos		
9	15 A switch	3 Nos		
10	Switch Board	9 Nos		
11	1.5 sq. mm FRLS PVC insulated, single core copper conductor cable	1500 Mtrs		
12	25 mm size medium class PVC conduit along with accessories in surface/recess.	500 Mtrs		
	<b>Total value for Supplies inclusive of freight and all taxes and duties in Rs. (A)</b>			
	<b>INSTALLATION &amp; COMMISSIONING</b>			
13	Installation, testing and commissioning of fitting of all types, complete with all accessories and tube etc., including providing and fixing ball and socket arrangement, 2 no. down rods of 20 mm dia X 1.6 mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connection with wiring, earthing, etc for items mentioned above from Sl. No.1 to 12 on lumpsum basis.	LS		
	<b>Total value for installation in Rs. (B)</b>			
	<b>Service tax @ 14% on (B) in Rs. (C)</b>			
	<b>Grand Total in Rs. ( A+B+C)</b>			



- i) TOTAL COST IN FIGURES:  
ii) TOTAL COST IN WORDS:

- Note:** 1. Price quoted above to be inclusive of Works contract tax (WCT).  
2. Quantity mentioned at Sl. Nos. 5 to 12 above may vary. In case, there is increase in quantity, bidder has to supply additional quantity required at same unit rate quoted above. However, Lumpsum rates quoted in Sl. No.13 is deemed to be inclusive of installation of additional quantity required. No additional charges shall be paid for installation of these additional supplies.  
3. Service tax shall be paid extra on the total value of installation at the rates prevailing at the time of work against documentary evidence.

(SIGNATURE OF THE BIDDER WITH SEAL)

**ENCLOSURES SUBMITTED**

Sl. No	Particulars	Status *
1.	Filled up EFT format along with cancelled cheque	After award of contract
2.	PAN card copy	Submitted / Not Submitted
3.	ST registration certificate	Submitted / Not Submitted
4.	PF registration certificate	Submitted / Not Submitted
5.	VAT registration certificate, if applicable	Submitted / Not Submitted
6.	One set of tender documents along with the offer duly signed and stamped in all the pages.	Submitted / Not Submitted

\* Strike out one of the two whichever is not applicable as per the status of submission

DATE:

SIGNATURE OF THE TENDERER :

NAME OF THE TENDERER :

SEAL OF THE TENDERER :



**Electronic Funds Transfer (EFT) OR Paylink Direct Credit Form**

Please Fill up the form in **CAPITAL LETTERS** only.

TYPE OF REQUEST(Tick one): \_\_\_\_\_ CREATE \_\_\_\_\_ CHANGE

BHEL Vendor / Supplier Code:	<input type="text"/>
Company Name :	<input type="text"/>
Permanent Account Number(PAN):	<input type="text"/>
Address	<input type="text"/>
	<input type="text"/>

City: <input type="text"/>	PINCODE <input type="text"/>	STATE <input type="text"/>
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Contact Person(s)	<input type="text"/>
Telephone No:	<input type="text"/>
Fax No:	<input type="text"/>
e-mail id:	<input type="text"/>

Bank Name:	<input type="text"/>
Bank Address:	<input type="text"/>
	<input type="text"/>
	<input type="text"/>
Bank Telephone No:	<input type="text"/>
Bank Account No:	<input type="text"/>
Account Type: Savings/Cash Credit	<input type="text"/>
9 Digit Code Number of Bank and branch appearing on MICR cheque issued by Bank	<input type="text"/>
Bank swift Code(applicable for EFT only)	<input type="text"/>
Bank IFSC code(applicable for RTGS)	<input type="text"/>
Bank IFSC code(applicable for NEFT)	<input type="text"/>

I hereby certify that the particulars given above are true, correct and complete and that I, as a representative for the above named Company, hereby authorise BHEL, EDN, Bangalore to electronically deposit payments to the designated bank account.  
 If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold BHEL / transferring Bank responsible.  
 This authority remains in full force until BHEL, EDN, Bangalore receives written notification requesting a change or cancellation.  
 I have read the contents of the covering letter and agree to discharge the responsibility expected of me as a participant under ECS / EFT.

Date:  
 Authorised Signatory:  
 Designation: Telephone NO. with STD Code

Company Seal

**Bank Certificate**

We certify that \_\_\_\_\_ has an Account No \_\_\_\_\_ with us and we confirm that the bank details given above are correct as per our records.

Date: \_\_\_\_\_  
 Place: \_\_\_\_\_ (.....) Signature

DRG. No.

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# ILLUMINATION FOR BRIO & TRIO ROOM

**PROJECT :** IMPLEMENTAION OF DISTRIBUTED CONTROL SYSTEM(DCS) IN STAGE II(4x210MW) OF THERMAL STATION II IN NEYVELI.

**CUSTOMER :** NEYVELI LIGNITE CORPORATION LTD.  
(GOVT. OF INDIA ENTERPRISE)  
NEYVELI, CUDDALORE DIST. TAMIL NADU.

**CONSULTANT :** M/s M.N.DASTUR AND COMPANY(P) LIMITED, CHENNAI.

**Notes:**


- \* 1 No. of LDB should be placed in BRIO room.
- \* Incomming cable for LDB in BRIO is in BHEL scope.
- \* Each room should contain minimum 2 plug points (5A+15A) with switches.
- \*TRIO rooms lights should be powered via switch board (230 V AC) arrangements for power supply will be given by NLC upto LDB. Cable from LDB to Switch board is in BHEL Scope.

 5 A socket board

 15 A socket board

 Double Tube Light

 Single Tube Light

 Bulk Headed light with bulb

PROJECT : 4x210 MW DCS (C&I R&M) STAGE II OF TS-2 NEYVELI.  
CUSTOMER: NEYVELI LIGNITE CORPORATION LTD.

BHARAT HEAVY ELECTRICALS LIMITED.  
ELECTRONICS DIVISION, BANGALORE

TITLE: ILLUMINATION FOR BRIO & TRIO ROOM

No. OF SHEETS	06
SHEET No.	01

WBS. No. \_\_\_\_\_ DRG. No. **Page 8 of 13**

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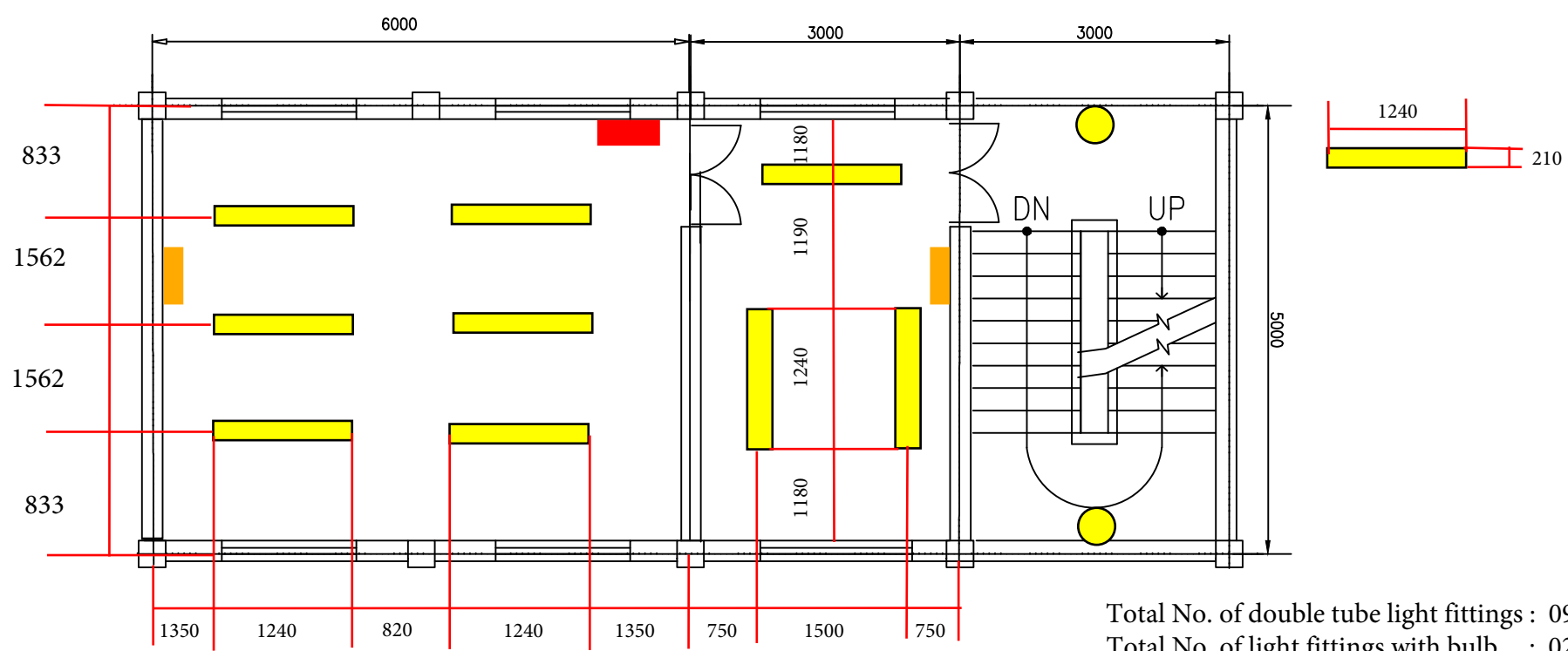
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REF. DRG. No.

SIGN. & DATE

INVENTORY No.

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Total No. of double tube light fittings : 09  
Total No. of light fittings with bulb : 02

- Two switch board + One switch board
- Two 5 A switch + One 5 A switch
- Two 5 A socket + One 15 A socket
- Two 5 A switch + One 15 A switch

PROJECT : 4 X 210 MW NLC DCS (C & I R& M) ST-II OF TS II  
CONSULTANT: M.N DASTUR & COMPANY (P) LTD.

BHARAT HEAVY ELECTRICALS LIMITED.  
ELECTRONICS DIVISION, BANGALORE

INVENTORY No.	SIGN. & DATE	REF. DRG. No.						TITLE:		No. OF SHEETS 06
			DRAWN	RED		10/06/15	DEPT.	CODE	BRIO ROOM (PANEL FLOOR)	
CHECKED	GGM		10/06/15			WBS. No.		DRG. No.		Page 9 of 13
APPROVED	GGM		10/06/15							

DRG. No.

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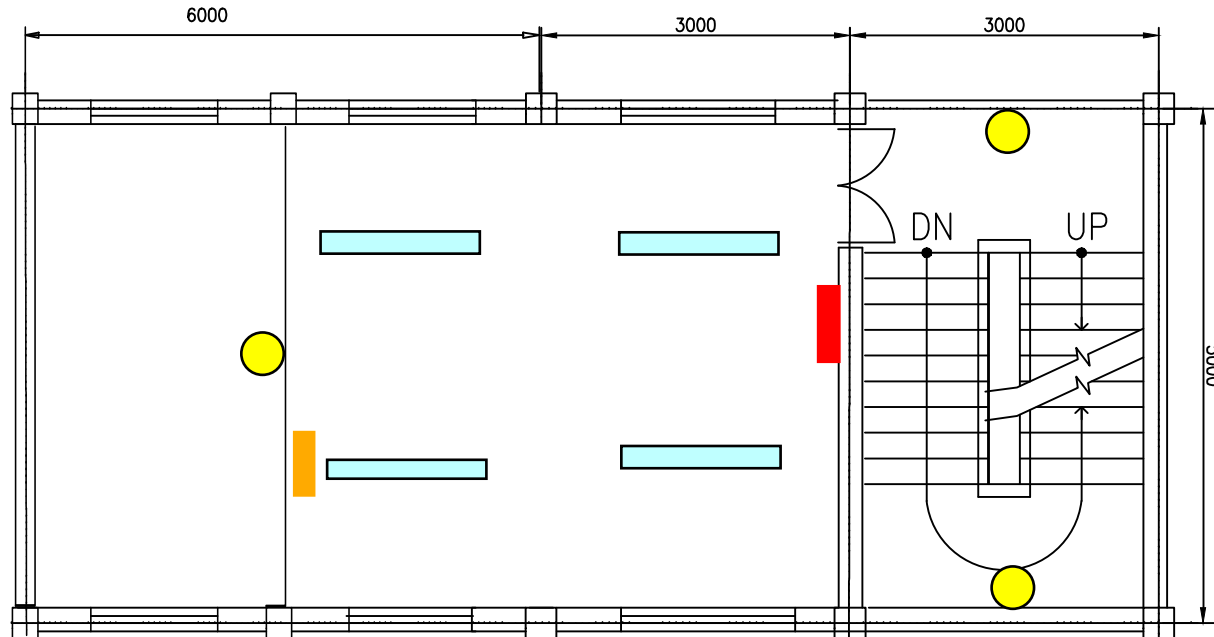
C

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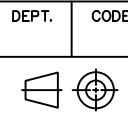
- One switch board + One switch board
- One 5 A switch + One 5 A switch
- One 5 A socket + One 15 A socket
- One 5 A switch + One 15 A switch

Total No. of single tube light fittings : 04  
 Total No. of light fittings with bulb : 03

PROJECT : 4 X 210 MW NLC DCS (C & I R & M) ST-II OF TS II  
 CONSULTANT: M.N DASTUR & COMPANY (P) LTD.

BHARAT HEAVY ELECTRICALS LIMITED.  
 ELECTRONICS DIVISION, BANGALORE

	NAME	SIGN	DATE
DRAWN	RED		10/06/15
CHECKED	GGM		10/06/15
APPROVED	GGM		10/06/15



DEPT.	CODE	TITLE:	No. OF SHEETS	06
		BRIO ROOM (A/C FLOOR)	SHEET No.	03
WBS. No.		DRG. No.	Page 10 of 13	

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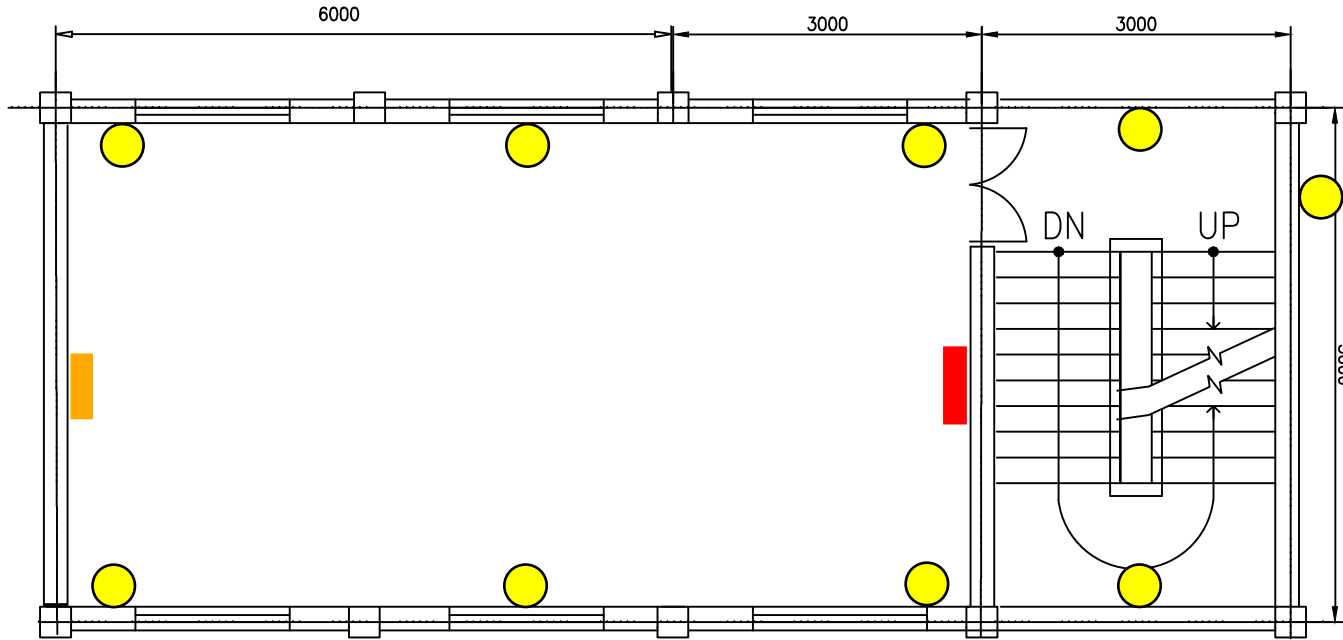
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REF. DRG. No.

SIGN. & DATE

INVENTORY No.

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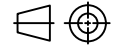


- One switch board + One switch board
- One 5 A switch + One 5 A switch
- One 5 A socket + One 15 A socket
- One 5 A switch + One 15 A switch
- For Ladder:
- One switch board
- One 5 A switch

Total No. of light fittings with bulb: 09

PROJECT : 4 X 210 MW NLC DCS (C & I R & M) ST-II OF TS II  
CONSULTANT: M.N DASTUR & COMPANY (P) LTD.

BHARAT HEAVY ELECTRICALS LIMITED.  
ELECTRONICS DIVISION, BANGALORE

INVENTORY No.	SIGN. & DATE	REF. DRG. No.						TITLE:		No. OF SHEETS <b>06</b>	
			DRAWN	RED	10/06/15	DEPT.	CODE	BRIO ROOM (CABLE GALLERY FLOOR)			SHEET No. <b>04</b>
			CHECKED	GGM	10/06/15						
			APPROVED	GGM	10/06/15						

WBS. No.		DRG. No.		Page 11 of 13	
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DRG. No.

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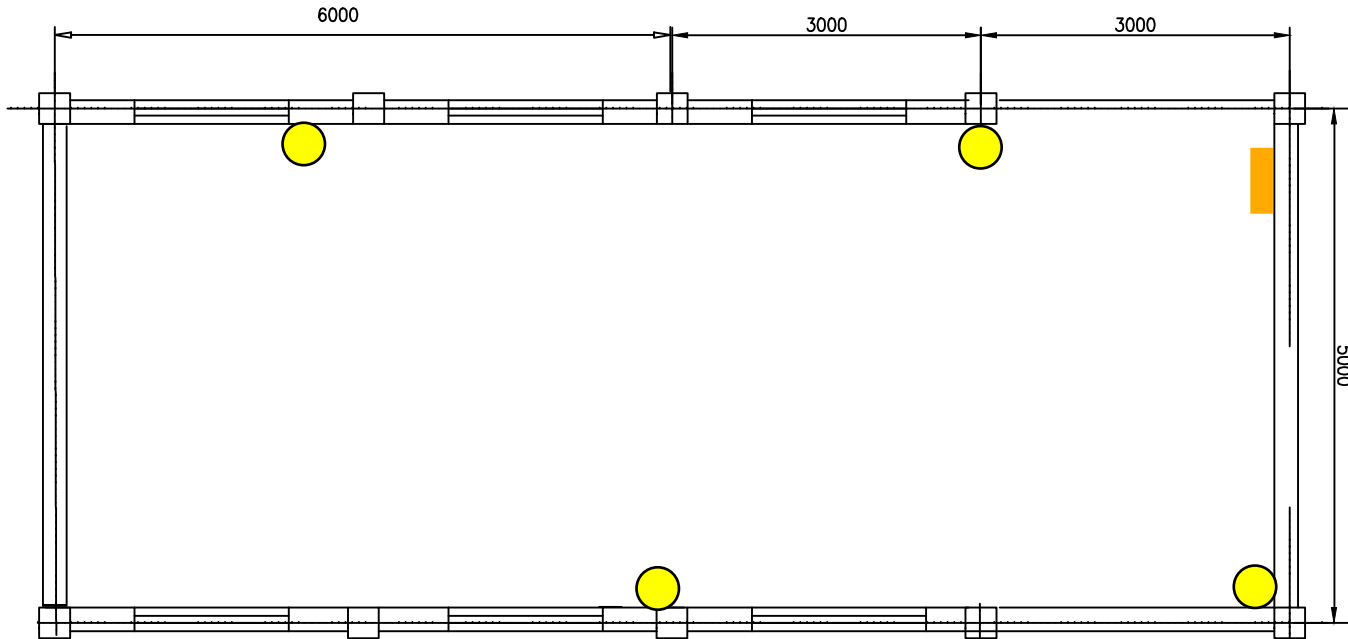
C

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One switch board  
One 5 A switch

Total No. of light fittings with bulb: 04

PROJECT : 4 X 210 MW NLC DCS (C & I R& M) ST-II OF TS II  
CONSULTANT: M.N DASTUR & COMPANY (P) LTD.

BHARAT HEAVY ELECTRICALS LIMITED.  
ELECTRONICS DIVISION, BANGALORE

	NAME	SIGN	DATE
DRAWN	RED		10/06/15
CHECKED	GGM		10/06/15
APPROVED	GGM		10/06/15



DEPT. CODE



TITLE: BRIO ROOM (GROUND FLOOR)

No. OF SHEETS 06

SHEET No. 05

WBS. No. DRG. No. **Page 12 of 13**

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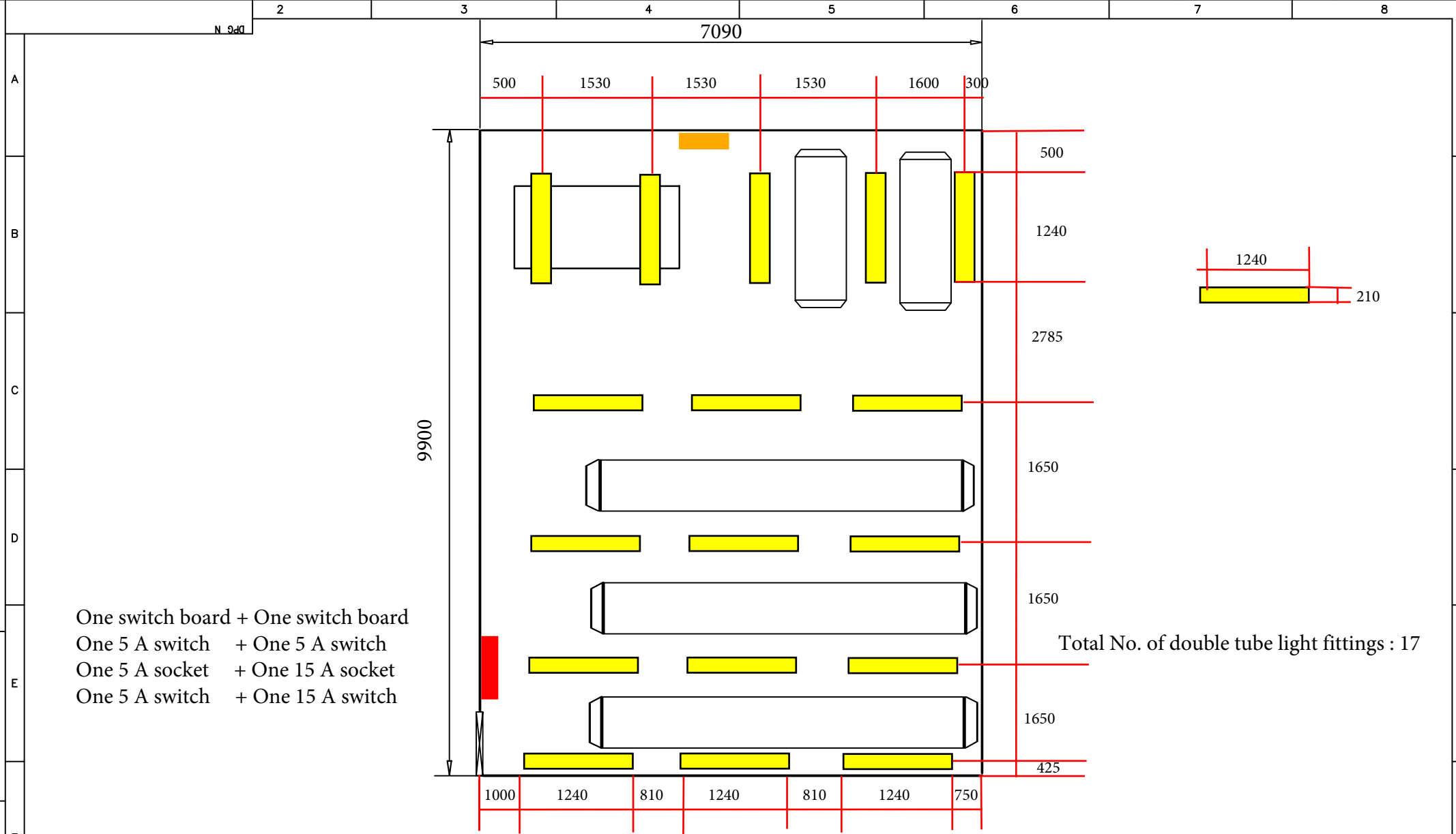
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REF. DRG. No.

SIGN. & DATE

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One switch board + One switch board  
 One 5 A switch + One 5 A switch  
 One 5 A socket + One 15 A socket  
 One 5 A switch + One 15 A switch

PROJECT : 4 X 210 MW NLC DCS (C & I R & M) ST-II OF TS II  
 CONSULTANT: M.N DASTUR & COMPANY (P) LTD.

BHARAT HEAVY ELECTRICALS LIMITED.  
 ELECTRONICS DIVISION, BANGALORE

TRIO room (Panels)

No. OF SHEETS 06  
 SHEET No. 06

REV.	DATE	ALTERED CHECKED APPROVED	REV.	DATE	ALTERED CHECKED APPROVED	NAME	SIGN	DATE	DEPT.	CODE
						RED		10/06/15		
						GGM		10/06/15		
						GGM		10/06/15		

TITLE:		No. OF SHEETS	06
		SHEET No.	06
WBS. No.		DRG. No.	