



**NAYA RAIPUR DEVELOPMENT AUTHORITY**

**Tender Document for the  
Annual Maintenance & operation of Electrical Equipment's  
in Capitol Complex at Sector -19 of Naya Raipur**

**(Following Three-Envelope Tender Procedure)**

**Schedule – A  
Price Tender  
To be submitted in ENVELOPE-3**

**NIT No. : 101/ELE-EQ/MHU&A/B/EEC-I /CE(E)/NRDA/2016-17,Naya Raipur Dated: 19.09.2016**

**Issued by:** Chief Executive Officer,  
Naya Raipur Development Authority (NRDA)  
4th Floor,,Paryavas bhawan, North block, Sector- 19  
Naya Raipur- 492 002, Chhattisgarh  
Tel No: + 91 771 2512500; Fax No.: +91 771 2512400.  
Website: [www.nayaraipur.gov.in](http://www.nayaraipur.gov.in)

## Tender Document Contains

- (a) Only schedule "A" and Section-I of schedule "D" are to be filled & signed by the tenderer  
 (b) All the certificates as per pre qualification criteria shall be appended with relevant forms of schedule "D"

### 1. PART ONE (NRDA F-1)-(Attached herewith, to be submit along the tender)

#### Part (A)

- a) Press Notice  
 b) Detailed NIT

#### Part (B)

##### a) Schedule-A

- (i) Cost Abstract  
 (ii) Bill of Quantities

- b) Schedule-B –NIL  
 c) Schedule-C –NIL  
 d) Schedule-D

##### Section-I..... Technical tender forms

- (i) Letter of Technical Tender  
 (ii) Tenderer's Information Sheet  
 (iii) Annual Turnover  
 (iv) Specific Construction Experience  
 (v) Declaration  
 (vi) Check list for Technical tender evaluation

##### Section –II .....Scope of work

##### Section –III..... Technical specifications of work

##### Section –IV..... Special Conditions of Contract

##### Section –V..... List of approved makes

##### Section –VI..... Drawings

- e) Schedule-E  
 f) Schedule-F

### 2. PART TWO (NRDA F-2/3 )-Standard form (Not Attached herewith, and not to be submitted along the tender) Important note: - Link site <http://nayaraipur.com/documents/gcc.pdf>

1. General Guidelines
2. Tender
3. General rules and directions
4. Conditions of contract
5. Clauses of contract
6. Model rules relating to labour, water supply and sanitation in labour camps safety code
7. Contract forms
  - (a) Draft Format for Performance Security
  - (b) Earnest Money Deposit Form (Bank Guarantee)
  - (c) Format of Contract Agreement
  - (d) Draft Format for Performance Guarantee for Water Proofing and Anti-termite Works
  - (e) Indemnity Bond
  - (f) Indenture Bond
  - (g) Notice for Appointment of Arbitrator
8. Proforma of schedules (Schedule 'A' to Schedule 'F')

# Naya Raipur Development Authority (NRDA) Raipur, Chhattisgarh

## Document details

**Name of work :** "Annual Maintenance & operation of Electrical Equipment's in Capitol Complex at Sector -19 of Naya Raipur".

**Name of Tenderer:**

### Details

- a) Cost of Tender Document : Rs
- b) EMD : Rs

Signature of Tenderer

Date: \_\_\_\_\_

COST ABSTRACT			
Annual Maintenance Contract (AMC) And Operations of Electrical Equipments at Capitol Complex sec-19, Naya Raipur			
Sr. No	Component of Work	Amount in INR	Amount in Words ( In INR)
A	Annual Maintenance Contract (AMC) and Operations for Electrical Equipment's at Capitol Complex Sec-19 ,Naya Raipur (Annexure -A)		
<b>Total Annual Maintenance Contract (AMC) and Operations Cost ( INR )</b>		Rs. -	

Note :-

- 1 The contract shall be valid for one year .However the same shall be extended upto two or more year with annual increment @ rate 5 % per year compounded with mutual consent of both the parties.
- 2 Supervisor should have at least 5 years experience in Maintenance and Operations of Electrical Equipment's . If contractor will not full fill the provision of Clause 36(i), recovery shall be made at the rate of 500/day/head
- 3 The minimum educational qualification of Supervisor shall be Diploma in Electrical .
- 4 Electrician should have at least 2 years experience in Maintenance and Operations of Electrical Equipment's . If contractor will not full fill the provision of Clause 36(i), recovery shall be made at the rate of 500/day/head
- 5 The minimum educational qualification of Electrician shall be ITI .
- 6 The quoted rate shall included mobile charge ,uniform and Other overhead of contactor.
- 7 NRDA will not pay any extra cost other than quoted rate .
- 8 Applicable sevice tax shall be rembrushed on production of original .

**Annual Maintenance Contract (AMC) And Operations of Electrical Equipments at Capitol Complex sec-19, Naya Raipur  
(Annexure -A)**

**List of major electrical equipment's install at various building of capitol complex at sector -19 Naya Raipur**

Electrical equipment's install at Mantralaya, Mahanadi Bhawan										
H T PANELS										
SN	MAKE	CAPACITY	BUS BAR RATING	VCB TYPE	CONTROL SUPPLY	RELAY	METER	OPERATING ASSESIRIS	INDICATOR	REMARK
1	KIRLOSKER	630 AMP	630 AMP,ISC 26.2/IKA/SEC	S 36	230 V AC, 30 V DC	O/C & E/F RELAY, TRIP CKT RELAY, SUPERVISION RELAY & MASTER TRIP RELAY	FREQUENCY METER , TRIVECTOR METER ,KV METER , A METER	HOOTER , KEY SWITCH , FAULT ALARM , ALARM ACEP ,ALARM RESET , VOLT METER SWITCH , A METER SWITCH & BREAKER SWITCH	BREAKER ON - OFF SWITCH , SPRING CHARGE , TRIP CKT HEALTHY , TRIP CKT UN HEALTHY	INCOMMER - 1
2	KIRLOSKER	630 AMP	630 AMP,ISC 26.2/IKA/SEC	S 36	230 V AC, 30 V DC	O/C & E/F RELAY, TRIP CKT RELAY, SUPERVISION RELAY & MASTER TRIP RELAY	FREQUENCY METER , TRIVECTOR METER , A METER , DISITAL METER , LOCAL / REMOTE SELECTOR SWITCH	KEY SWITCH , FAULT ALARM, ALARM ACCEPT , ALARM RESE , VOLT METER SWITCH , A METER SWITCH & BREAKER SWITCH	BREAKER ON - OFF SWITCH , SPRING CHARGE , TRIP CKT HEALTHY , TRIP CKT UN HEALTHY	OUT GOING - 1
3	KIRLOSKER	630 AMP	630 AMP,ISC 26.2/IKA/SEC	S 36	230 V AC, 30 V DC	O/C & E/F RELAY, TRIP CKT RELAY, SUPERVISION RELAY & MASTER TRIP RELAY	FREQUENCY METER , TRIVECTOR METER , A METER , DISITAL METER , LOCAL / REMOTE SELECTOR SWITCH	KEY SWITCH , FAULT ALARM, ALARM ACCEPT , ALARM RESET , VOLT METER SWITCH , A METER SWITCH & BREAKER SWITCH	BREAKER ON - OFF SWITCH , SPRING CHARGE , TRIP CKT HEALTHY , TRIP CKT UN HEALTHY	OUT GOING - 2
4	KIRLOSKER	630 AMP	630 AMP,ISC 26.2/IKA/SEC	S 36	230 V AC, 30 V DC	BRAKER CONTROL	LOCAL / REMOTE SELECTOR SWITCH	HOOTER , KEY SWITCH , FAULT ALARM , ALARM ACEP ALARM RESET , VOLT METER SWITCH , A METER SWITCH & BREAKER SWITCH	BREAKER ON - OFF SWITCH , SPRING CHARGE , TRIP CKT HEALTHY , TRIP CKT UN HEALTHY	BUS - CUPPLER
5	KIRLOSKER	630 AMP	630 AMP,ISC 26.2/IKA/SEC	S 36	230 V AC, 30 V DC	O/C & E/F RELAY, TRIP CKT RELAY, SUPERVISION RELAY & MASTER TRIP RELAY	FREQUENCY METER , TRIVECTOR METER , A METER , DISITAL METER , LOCAL / REMOTE SELECTOR SWITCH	KEY SWITCH , FAULT ALARM , ALARM ACCEPT , ALARM RESE , VOLT METER SWITCH , A METER SWITCH & BREAKER SWITCH	BREAKER ON - OFF SWITCH , SPRING CHARGE , TRIP CKT HEALTHY , TRIP CKT UN HEALTHY	OUT GOING - 3
6	KIRLOSKER	630 AMP	630 AMP,ISC 26.2/IKA/SEC	S 36	230 V AC, 30 V DC	O/C & E/F RELAY, TRIP CKT RELAY, SUPERVISION RELAY & MASTER TRIP RELAY	FREQUENCY METER , TRIVECTOR METER , A METER , DISITAL METER , LOCAL / REMOTE SELECTOR SWITCH	KEY SWITCH , FAULT ALARM , ALARM ACCEPT , ALARM RESE , VOLT METER SWITCH , A METER SWITCH & BREAKER SWITCH	BREAKER ON - OFF SWITCH , SPRING CHARGE , TRIP CKT HEALTHY , TRIP CKT UN HEALTHY	OUT GOING - 4
7	KIRLOSKER	630 AMP	630 AMP,ISC 26.2/IKA/SEC	S 36	230 V AC, 30 V DC	O/C & E/F RELAY, TRIP CKT RELAY, SUPERVISION RELAY & MASTER TRIP RELAY	FREQUENCY METER , TRIVECTOR METER ,KV METER , A METER	HOOTER , KEY SWITCH , FAULT ALARM , ALARM ACEP ,ALARM RESET , VOLT METER SWITCH , A METER SWITCH & BREAKER SWITCH	BREAKER ON - OFF SWITCH , SPRING CHARGE , TRIP CKT HEALTHY , TRIP CKT UN HEALTHY	INCOMMER - 2

LT PANELS - 1 ( AERROW ENG. MAKE)				
	CAPACITY	MAKE	PURPOSE	REMARK
ACB	2000 AMP	SCHNEIDER	INCOMMER - 1	
	1600 AMP	SCHNEIDER	APFCR PANEL	
	2000 AMP	SCHNEIDER	INCOMMER - 2	
	1250 AMP	SCHNEIDER	INTERLOCK	
	1600 AMP	SCHNEIDER	APFCR PANEL	
MCCB	200 AMP	SCHNEIDER	FOR FLOORE PANEL	
	300 AMP	SCHNEIDER	FOR FLOORE PANEL	
	500 AMP	SCHNEIDER	FOR FLOORE PANEL	
	150 AMP	SCHNEIDER	FOR FLOORE PANEL	
	400 AMP	SCHNEIDER	FOR FLOORE PANEL	
APFC	25 KVAR	SUBODHAN	FOR APFCR	
	50 KVAR	SUBODHAN	FOR APFCR	
PANEL ASSESIRIS				PANEL INDICATION
				PANEL RELAY
				APFCR RELAY
				AMP OPRATING ASSESIRIS

LT PANELS - 2 ( AERROW ENG. MAKE)				
	CAPACITY	MAKE	PURPOSE	REMARK
ACB	2500 AMP	SCHNEIDER	INCOMMER - 1	
	1600 AMP	SCHNEIDER	APFCR PANEL	
	2500 AMP	SCHNEIDER	INCOMMER - 2	
	1250 AMP	SCHNEIDER	INTER CONNECTION	
	1600 AMP	SCHNEIDER	APFCR PANEL	
MCCB	200 AMP	SCHNEIDER	FOR FLOORE PANEL	
	300 AMP	SCHNEIDER	FOR FLOORE PANEL	
	500 AMP	SCHNEIDER	FOR FLOORE PANEL	
	100 AMP	SCHNEIDER	FOR FLOORE PANEL	
APFC	10 KVAR	SUBODHAN	FOR APFCR	
	15 KVAR	SUBODHAN	FOR APFCR	
	25 KVAR	SUBODHAN	FOR APFCR	
	50 KVAR	SUBODHAN	FOR APFCR	
PANEL ASSESIRIS				PANEL INDICATION
				PANEL RELAY
				APFCR RELAY
				AMP OPRATING ASSESIRIS

LT PANELS - 3 ( AERROW ENG. MAKE)				
	CAPACITY	MAKE	PURPOSE	REMARK
ACB	3200 AMP	SCHNEIDER	INCOMMER - 1	
	1600 AMP	SCHNEIDER	APFCR PANEL	
	2500 AMP	SCHNEIDER	INCOMMER - 2	
	1600 AMP	SCHNEIDER	INTER CONNECTION	
	1600 AMP	SCHNEIDER	UTILITY SUPPLY	
	1600 AMP	SCHNEIDER	APFCR PANEL	
MCCB	63 AMP	SCHNEIDER	FOR FLOORE PANEL	
	100 AMP	SCHNEIDER	FOR FLOORE PANEL	
	150 AMP	SCHNEIDER	FOR FLOORE PANEL	
	200 AMP	SCHNEIDER	FOR FLOORE PANEL	
	250 AMP	SCHNEIDER	FOR FLOORE PANEL	
APFC	10 KVAR	SUBODHAN	FOR APFCR	
	15 KVAR	SUBODHAN	FOR APFCR	
	25 KVAR	SUBODHAN	FOR APFCR	
	50 KVAR	SUBODHAN	FOR APFCR	
PANEL ASSESIRIS				PANEL INDICATION
				PANEL RELAY
				APFCR RELAY
				AMF OPRATING ASSESIRIS

LT PANELS - 4 ( AERROW ENG. MAKE)				
	CAPACITY	MAKE	PURPOSE	REMARK
ACB	3200 AMP	SCHNEIDER	INCOMMER - 1	
	1600 AMP	SCHNEIDER	APFCR PANEL	
	1250 AMP	SCHNEIDER	INCOMMER - 2	
	1600 AMP	SCHNEIDER	INTER CONNECTION	
	2500 AMP	SCHNEIDER	BUS CUPPLER	
	1600 AMP	SCHNEIDER	APFCR PANEL	
MCCB	63 AMP	SCHNEIDER	FOR FLOORE PANEL	
	100 AMP	SCHNEIDER	FOR FLOORE PANEL	
	630 AMP	SCHNEIDER	FOR FLOORE PANEL	
APFCR	25 KVAR	SUBODHAN	FOR APFCR	
	50 KVAR	SUBODHAN	FOR APFCR	
PANEL ASSESIRIS				PANEL INDICATION
				PANEL RELAY
				APFCR RELAY
				AMF OPRATING ASSESIRIS

SR.	ITEM DESCRIPTION	QTY.	UNIT
	<b>Transformer</b>		
1	1600KVA 33/0.415KV, DYN11 indoor cast resin dry type transformer with off load tap changer. Make-Kirloskar	1	Set
2	1250KVA 33/0.415KV, DYN11 indoor cast resin dry type transformer with off load tap changer. Make-Kirloskar	1	set
3	2000KVA 33/0.415KV, DYN11 indoor cast resin dry type transformer with off load tap changer. Make-Kirloskar	2	set
4	Earth pit	100	set

B	Electrical equipment's install at Indrawati Bhawan		
SR.	ITEM DESCRIPTION	QTY.	UNIT
1	1600KVA 33/0,415KV, DYN11 indoor cast resin dry type transformer with off load tap changer. Make-Kirloskar	2	nos
2	1250KVA 33/0,415KV, DYN11 indoor cast resin dry type transformer with off load tap changer. Make-Kirloskar	2	nos
3	INDOOR TYPE Electrical HT Control Panel 33KV,1250AMP,26.3KA VCB Panel (2 incomer+1 bus cupler +4 out going ) VCB Make- ABB	1	set
4	Main L.T. panel 1 with 2nos. Incomer.	1	nos
a	Incomer 1 from Transformer ACB (Make-SCHNEIDER)415,50KA ,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 2500AMP,4 Pole.		
b	Incomer 2 from D.G SET ACB (Make-SCHNEIDER) 415,50KA ,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 2000AMP,4 Pole.		
c	Outgoing for APFCR Panel ACB (Make-SCHNEIDER)415,50KA, Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 1600AMP,3 Pole.		
d	Out going for Inter Connection with Main LT Panel 2,3,4 ACB (Make-SCHNEIDER)415,50KA,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 1250AMP,4 Pole.		
e	4Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,36KA ,Manually,Oprated,Fixed Type,MP Based With O/L,S/C releases,400A,4 Pole		
f	3Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,36KA ,Manually,Oprated,Fixed Type,MP Based With O/L,S/C releases,300A,4 Pole		
g	9Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,25KA ,Manually,Oprated,Fixed Type,MP Based With O/L,S/C releases,250A,4 Pole		
h	3Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,25KA ,Manually,Oprated,Fixed Type,MP Based With O/L,S/C releases,160A,4 Pole		
i	4Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,25KA ,Manually,Oprated,Fixed Type,MP Based With O/L,S/C releases,100A,4 Pole		
5	Main L.T. panel 2 with 2nos. Incomer.	1	nos
a	Incomer 1 from Transformer1600 KVA ACB (Make-SCHNEIDER)415,50KA ,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 2500AMP,4 Pole.		
b	Incomer 2 from D.G SET ACB (Make-SCHNEIDER) 415,50KA ,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 2500AMP,4 Pole.		
c	Outgoing for APFCR Panel ACB (Make-SCHNEIDER)415,50KA, Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 1600AMP,3 Pole.		
d	Out going for Inter Connection with Main LT Panel1,3,4 ACB (Make-SCHNEIDER)415,50KA,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 1250AMP,4 Pole.		
e	8Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,36KA ,Manually,Oprated,Fixed Type,MP Based With O/L,S/C releases,630A,4 Pole		
f	3Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,36KA ,Manually,Oprated,Fixed Type,MP Based With O/L,S/C releases,400A,4 Pole		
g	3Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,25KA ,Manually,Oprated,Fixed Type,MP Based With O/L,S/C releases,250A,4 Pole		

6	Main L.T. panel 3 with 2nos. Incomer.	1	nos
a	Incomer 1 from Transformer1250 KVA ACB (Make-SCHNEIDER)415,50KA ,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 2000AMP,4 Pole.		
b	Incomer 2 from D.G SET ACB (Make-SCHNEIDER) 415,50KA ,Electrically ,Oprated, Drawout Type,MP Based with O/L,S,C,E/F releases,2NO+2NC Aux Contact 2000AMP,4 Pole.		
c	Outgoing for APFCR Panel ACB (Make-SCHNEIDER)415,50KA, Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 1600AMP,3 Pole.		
d	Out going for Inter Connection with Main LT Panel 1,2,4 ACB (Make-SCHNEIDER)415,50KA,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 1250AMP,4 Pole.		
e	8Nos. Out going MCCB(Make-ABB),415,36KA ,Manually ,Oprated,Fixed Type,MP Based With O/L,S/C releases,400A,4 Pole		
f	3Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,25KA ,Manually ,Oprated,Fixed Type,MP Based With O/L,S/C releases,250A,4 Pole		
g	1Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,25KA ,Manually ,Oprated,Fixed Type,MP Based With O/L,S/C releases,150A,4 Pole		
h	6Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,25KA ,Manually ,Oprated,Fixed Type,MP Based With O/L,S/C releases,100A,4 Pole		
i	5Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,25KA ,Manually ,Oprated,Fixed Type,MP Based With O/L,S/C releases,63A,4 Pole		
j	16Nos. Out going MCB C Curve(Make-SCHNEIDER),415,10KA ,63A,4 Pole		
k	9Nos. Out going MCB C Curve(Make-SCHNEIDER),415,10KA ,40A,4 Pole		
l	16Nos. Out going MCB C Curve(Make-SCHNEIDER),415,10KA ,20A,2 Pole		
7	Main L.T. panel 4 with 2nos. Incomer.	1	nos
a	Incomer 1 from Transformer1250 KVA ACB (Make-SCHNEIDER)415,50KA ,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 2000AMP,4 Pole.		
b	Incomer 2 from D.G SET ACB (Make-SCHNEIDER) 415,50KA ,Electrically ,Oprated, Drawout Type,MP Based with O/L,S,C,E/F releases,2NO+2NC Aux Contact 1250AMP,4 Pole.		
c	Outgoing for APFCR Panel ACB (Make-SCHNEIDER)415,50KA, Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 1600AMP,3 Pole.		
d	Out going for Inter Connection with Main LT Panel 1,2,3, ACB (Make-SCHNEIDER)415,50KA,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 1250AMP,4 Pole.		
e	Out going for CHILLER PANEL-1 ACB (Make-SCHNEIDER)415,50KA,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 1600AMP,4 Pole.		
f	Out going for CHILLER PANEL-2 ACB (Make-SCHNEIDER)415,50KA,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 800AMP,4 Pole.		



g	BUS COUPLER ACB (Make-SCHNEIDER)415,50KA,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 2000AMP,4 Pole.		
h	Out going for SPARE ACB (Make-SCHNEIDER)415,50KA,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 1600AMP,4 Pole.		
8	Utility Panel	1	nos
a	1Nos.Incomer ACB (Make-SCHNEIDER)415,50KA ,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 800AMP,4 Pole.		
b	1Nos. Out going MCCB For Fire fighting (Make-SCHNEIDER),415,36KA ,Manually,Oprated,Fixed Type,MP Based With O/L,S/C releases,500A,4 Pole		
c	4Nos. Out going MCCB(Make-SCHNEIDER),415,36KA ,Manually,Oprated,Fixed Type,MP Based With O/L,S/C releases,100A,4 Pole		
d	11Nos. Out going MCB C Curve(Make-SCHNEIDER),415,10KA ,40A,4 Pole		
9	APFCR Panel 700 KVAR	2	nos
a	1Nos.Incomer ACB (Make-SCHNEIDER)415,50KA ,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 1600AMP,3 Pole.		
b	10Nos. SFU 415AC, Switch Disconnector FuseUnit,AC23 Duty 200AMP,TP,With ROH,Suitable for mounting DIN Fuses.		
c	6 Nos. SFU 415AC, Switch Disconnector FuseUnit,AC23 Duty 63AMP,TP,With ROH,Suitable for mounting DIN Fuses.		
d	4 Nos. SFU 415AC, Switch Disconnector FuseUnit,AC23 Duty 40AMP,TP,With ROH,Suitable for mounting DIN Fuses.		
10	APFCR Panel 600 KVAR	2	nos
a	1Nos.Incomer ACB (Make-SCHNEIDER)415,50KA ,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 1600AMP,3 Pole.		
b	10Nos. SFU 415AC, Switch Disconnector FuseUnit,AC23 Duty 200AMP,TP,With ROH,Suitable for mounting DIN Fuses.		
c	4 Nos. SFU 415AC, Switch Disconnector FuseUnit,AC23 Duty 63AMP,TP,With ROH,Suitable for mounting DIN Fuses.		
11	Earth Pit	100	Each

<b>C</b>	<b>Electrical equipment's install at Utility Block &amp; Amenity Block</b>
----------	--

SR.	ITEM DESCRIPTION	QTY.	UNIT
1	1000KVA 33/0,415KV, DYN11 indoor cast resin dry type transformer with off load tap changer. Make-Kirloskar	2	nos
2	INDOOR TYPE Electrical HT Control Panel 33KV,1250AMP,26.3KA VCB Panel (2 Incomer+1 bus cupler + 6 out going ) VCB Make- ABB (MAIN )	1	set
3	INDOOR TYPE Electrical HT Control Panel 33KV,1250AMP,26.3KA VCB Panel (Main switch + P.T. Comartment + 2 out going ) VCB Make- ABB (SSB )	1	set
4	INDOOR TYPE Electrical HT Control Panel 33KV,1250AMP,26.3KA VCB Panel (Main switch + P.T. Comartment + 2 out going ) VCB Make- ABB (HOD)	1	set
5	INDOOR TYPE Electrical HT Control Panel 33KV,1250AMP,26.3KA VCB Panel (Main switch + P.T. Comartment + 3 out going ) VCB Make- ABB (OTHER UTILITY)	1	set
6	INDOOR TYPE Electrical HT Control Panel 33KV,1250AMP,26.3KA VCB Panel (Main switch + P.T. Comartment + 2 out going ) VCB Make- ABB (Aminity block )	1	set
7	Main L.T. panel 1 with 2nos. Incomer.	2	nos
a	Incomer 1 from Transformer ACB (Make-SCHNEIDER)415,50KA ,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 1600AMP,4 Pole.		
b	Incomer 2 from D.G SET ACB (Make-SCHNEIDER) 415,50KA ,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 1600AMP,4 Pole.		
c	Outgoing for APFCR Panel ACB (Make-SCHNEIDER)415,50KA ,Electrically ,Oprated, Drawout Type,MP Based with O/L,S/C,E/F releases,2NO+2NC Aux Contact 1600AMP,3 Pole.		
d	02Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,36KA ,Manually,Oprated,Fixed Type,MP Based With O/L,S/C releases,400A,4 Pole		
e	01Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,36KA ,Manually,Oprated,Fixed Type,MP Based With O/L,S/C releases,500A,4 Pole		
f	6Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,25KA ,Manually,Oprated,Fixed Type,MP Based With O/L,S/C releases,250A,4 Pole		
g	3Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,25KA ,Manually,Oprated,Fixed Type,MP Based With O/L,S/C releases,160A,4 Pole		
h	01Nos. Out going MCCB(Make-SCHNEIDER/L&T),415,25KA ,Manually,Oprated,Fixed Type,MP Based With O/L,S/C releases,150A,4 Pole		

8	Utility Panel	2	nos
a	1Nos. Incomer MCCB For Fire fighting (Make-SCHNEIDER),415,36KA ,Manually,Oprated,Fixed Type,MP Based With O/L/S/C releases,400A,4 Pole		
b	5Nos. Out going MCCB(Make-SCHNEIDER),415,36KA ,Manually,Oprated,Fixed Type,MP Based With O/L/S/C releases,100A,4 Pole		
c	01Nos. Out going MCCB(Make-SCHNEIDER),415,36KA ,Manually,Oprated,Fixed Type,MP Based With O/L/S/C releases,150A,4 Pole		
9	APFCR Panel 600 KVAR	2	nos
a	1Nos.Incomer ACB (Make-SCHNEIDER)415,50KA ,Electrically ,Oprated, Drawout Type,MP Based with O/L/S/C/E/F releases,2NO+2NC Aux Contact 1600AMP,3 Pole.		
b	06Nos. SFU 415AC, Switch Disconnector FuseUnit,AC23 Duty 200AMP,TP,With ROH,Suitable for mounting DIN Fuses.		
c	4 Nos. SFU 415AC, Switch Disconnector FuseUnit,AC23 Duty 125AMP,TP,With ROH,Suitable for mounting DIN Fuses.		
d	4 Nos. SFU 415AC, Switch Disconnector FuseUnit,AC23 Duty 100AMP,TP,With ROH,Suitable for mounting DIN Fuses.		
10	Earth pit	40	Each