

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANPATH, BHUBANESWAR-22.**

Tel: 0674 2541545; Fax: 0674 2541543; E-mail : jmelectricalophwc@gmail.com

Web: ophwc.nic.in

BID REFERENCE NO: - 22/ 2015-16/ELECT/ OPHWC

**SCHEDULE OF TENDER FOR REPAIR AND RENOVATION WORK OF SPECIAL
JAIL, JHARPADA, BHUBANESWAR.**

SOLD TO : M/S _____

MONEY

RECEIPT NO : _____

DATE : _____

[SIGNATURE OF ISSUING OFFICER]

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TENDER CALL NOTICE
BID REFERENCE NO: - 22/ 2015-16/ELECT/ OPHWC

1. Sealed tender in the prescribed form with detailed Tender Call Notice for execution of External electrification, Renovation & Improvement of Electrical Installation Lighting Protection System and Area illumination works of different Jail projects are invited in single cover system from the enlisted H.T. / M.V.(M.V. Contractors only participated with internal electrification , Area Lighting and Lighting Protection system works) electrical Contractors/Firms under O.S.P.H&W.C., Bhubaneswar including supply of materials as per the specification. Tender to be submitted separately for each project.

Sl.No	Name of the Project	Estimated Cost	EMD	Cost of tender paper including vat	Period of completion	Eligibility Range
1	Renovation and Improvement of Electrical Installation in Circle Jail, Baripada in the Dist. of Mayurbhanj.	Rs.12,47,260.00	Rs.12,473.00	Rs.6300.00	45 days	10 lakh above
2	Renovation of Electrical Wiring at Nabarangpur Sub-Jail in the Dist. of Nabarangpur.	Rs.25,48,540.00	Rs.25,485.00	Rs.6300.00	45 days	20 lakh above
3	Renovation and Improvement of Electrical Installation at Sub-Jail Baliguda in the dist. of Kandhamal.	Rs.8,27,500.00	Rs.8,275.00	Rs.4,200.00	45 days	Up to 10 lakh & above
4	Renovation and Improvement of Electrical Installation at Sub-Jail Champua in the Dist. of Keonjhar.	Rs.12,64,900.00	Rs.12,649.00	Rs.6300.00	45 days	10 lakh above
5	Renovation and Improvement of Electrical Installation at Sub-Jail Rairangpur	Rs.13,53,550.00	Rs.13,536.00	Rs.6300.00	45 days	10 lakh above
6	Repair and Renovation	Rs.5,15,250.00	Rs.5,153.00	Rs.4,200.00	45 days	Up to 10

	work at Sub-Jail,Paralakhemundi in the Dist. of Gajapati.					lakh & above
7	Renovation and Improvement of Electrical Installation at Sub-Jail Banki in the Dist. of Cuttack.	Rs.2,65,620.00	Rs.2,656.00	Rs.2,100.00	45 days	Up to 10 lakh & above
8	Improvement of Electrical Installation at Sub-Jail Padmapur.	Rs.6,85,375.00	Rs.6,854.00	Rs.4,200.00	45 days	Up to 10 lakh & above
9	Renovation and Improvement of Electrical Installation in Adminstrative Block at Sub-Jail Dhenkanal in the Dist. of Dhenkanal.	Rs.5,13,314.00	Rs.5,133.00	Rs.4,200.00	45 days	Up to 10 lakh & above
10	Renovation of Electrical Wiring at Narasinghpur-Jail in the dist. of Cuttack.	Rs.21,71,165.00	Rs.21,712..00	Rs.6300.00	45 days	20 lakh above
11	Lighting Protection System for Adminstrative Building & Male Ward at Narasinghpur Jail in the Dist. of Cuttack..	Rs.5,49,500.00	Rs.5,495.00	Rs.4,200.00	45 days	Up to 10 lakh & above
12	Renovation and Improvement of Electrical Installation at Sub-Jail Athamallik in the Dist. of Cuttack.	Rs.7,65,070.00	Rs.7,651.00	Rs.4,200.00	45 days	Upto 10 lakh & above
13	Renovation and Improvement of Electrical Installation at Sub-Jail Anandpur in the Dist. of Keonjhar.	Rs.9,85,080.00	Rs.9,851.00	Rs.4,200.00	45 days	Up to 10 lakh & above
14	Renovation and Improvement of Electrical Installation at Sub-Jail Jajpur in the Dist. of Jajpur.	Rs.10,31,770.00	Rs.10,318.00	Rs.6300.00	45 days	10 lakh & above
15	Renovation and Improvement of Electrical Installation at Sub-Jail Jajpur Road in the Dist. of Jajpur.	Rs.11,32,415.00	Rs.11,324.00	Rs.6300.00	45 days	10 lakh & above

16	External Electrification work of Sub-Jail,Padmapur	Rs.6,74,315.00	Rs.6,743.00	Rs.4,200.00	45 days	Up to 10 lakh & above
17	Installation of Security Lighting Arrangement at Sub-Jail Jajpur Road in the Dist. of Jajpur	Rs.8,19,500.00	Rs.8,195.00	Rs.4,200.00	45 days	Up to 10 lakh & above
18	Renovation and Improvement of Electrical Installation at Angul Jail in the Dist. of Angul.	Rs.11,79,920.00	Rs.11,799.00	Rs.6300.00	45 days	10 lakh above
19	Internal Electrification Work at Sundergarh Jail in the Dist. of Sundergarh.	Rs.20,16,045.00	Rs.20,160.00	Rs.6300.00	45 days	20 lakh above
20	Pheripheral Lighting Work at Sundergarh Jail in the Dist. of Sundergarh.	Rs.18,56,200.00	Rs.18,562.00	Rs.6300.00	45 days	10 lakh & above
21	Repair and Renovation of Electrical works at Special JailJharpada ,Bhubaneswar in the Dist. of Khurda.	Rs.5,39,190.00	Rs.5,392.00	Rs.4,200.00	45 days	Up to 10 lakh & above
22	Renovation and Improvement of Electrical Installation at Dist. Jail Puri in the Dist. of Puri.	Rs.9,01,640.00	Rs.9,016.00	Rs.4,200.00	45 days	Up to 10 lakh & above
23	Area Illumination work of Padmapur-Sub-Jail	Rs.5,83,700.00	Rs.5,837.00	Rs.4,200.00	45 days	Up to 10 lakh & above

2. The tender document may be obtained on payment of the tender paper cost as mentioned in the Column – 5 of the above table [Non refundable] for each project between 10.00 A.M. to 05.00 P.M on each working day from the office of the undersigned at the Address given above of O.S.P.H.&WC at Bhubaneswar on or before Dt. 10 .02.2016 .Tender document can also be obtained through speed post by sending a self addressed envelope of size 35 cm x 25 cm along with a Demand Draft / Pay Order of the tender paper cost as mentioned in the Column – 5 of the above table and Rs. 200.00 (Rupees two hundred only) extra for purchased by post[Non refundable] for each project on any scheduled Bank, payable at Bhubaneswar, drawn in favour of the **“The Odisha State Police Housing &Welfare corporation Ltd.”**. However, such request must be received by the undersigned on or before the last date for issue of tender document. The O.S.P.H.&W.C. authorities shall not be responsible for postal or

other delays. The tender document will also be available from the web site www.ophwc.nic.in and the same can be downloaded to be used for tender offer. However in case of downloaded tender documents an amount of the tender paper cost as mentioned in the Column – 5 of the above table [Non refundable] for each project in shape of Demand Draft / Pay Order drawn on any scheduled Bank, is payable at Bhubaneswar in favour of the **“The Odisha State Police Housing & Welfare Corporation Ltd.”** along with the tender , failing which tender shall be liable for rejection.

3. The bidders are requested to submit the receipt of showing cost of tender paper along with the attested copies of valid H.T./MV license from ELBO, Income tax return copy, PAN card, TIN No, up to date VAT clearance certificate along with bid documents otherwise the bid shall be liable for rejection.
4. **EMD** - The tender shall be accompanied with EMD as mentioned above in shape of D.D. / Pay order drawn on any Nationalized Bank in favour of the **“The Odisha State Police Housing & Welfare corporation Ltd.”**, failing which the tender shall be rejected.
5. Other details can be seen in the tender documents.
6. Bids submitted otherwise than in the manner prescribed in the tender document shall be rejected.
7. The bidding document should be super scribed “Tender forworks, Tender No., Name of the Project etc.”
8. The tender document is available from :10 AM on Dt. 28/01/2016
9. Last date for issue of tender document is up to : 05.00 PM on Dt. 10 /02/2016
10. Last date for receipt of tender document is up to : 12.30 PM on Dt. 15 /02/2016
11. Date of opening of bid at : 03.30 PM on Dt. 15/02/2016
12. The authority reserves the right to reject any or all the bids without assigning any reason thereof.
13. An affidavit is to be furnish by the bidder at the time of submitting bid document that he is not blacklisted / defaulter contractor or Firm etc. The authority reserves the right to reject any or all the bids without assigning any reason thereof and can impose any conditions as deemed proper before finalisation of tender.

Sd/-
Joint Manager (Elect.)

GENERAL CONDITION OF THE CONTRACT
BID REFERENCE NO: - 22 / 2015-16 /ELECT/ OPHWC

1. The tender document shall be accompany with the EMD as above only in shape of Demand Draft / Pay Order drawn on any Nationalized Bank payable at Bhubaneswar in favour of the “**The Odisha State Police Housing & Welfare Corporation Ltd.**” failing which the tender shall be rejected.
2. The bidders are requested to submit the receipt of showing cost of tender paper along with the attested copies of valid H.T. license from ELBO, Income tax return copy, PAN card, TIN No, upto date VAT clearance certificate and VAT registration certificate along with bid documents otherwise the bid shall be liable for rejection. The latest authenticated documentary proof shall be submitted. The proof submitted earlier in some other contest shall not be treated as valid and sufficient.
3. The bid must accompany proof of executing same nature of work as per eligibility criteria mentioned in tender call notice in Govt. / Govt. Undertaking. Departments. The copy of work order and completion certificates in support of credential should be enclosed with the tender otherwise the bid shall be rejected.
4. The bidding document should be super scribed “Tender for.....works,Tender No., Name of the Project etc.”
5. The tenders (also called bids) not submitted in prescribed format or in prescribed manner, shall be rejected at the risk and responsibility of bidder.
6. All the information as called for in the tender document should be submitted truly, clearly, legible, transparently, unambiguously and without the use of abbreviations. It shall be submitted in English only.
7. All the crucial figures, like rates and amount should be written in figures followed by words in a bracket.
8. There shall be no over writing in the tender document and other papers submitted. All additions, alternations, deletions and cutting should be initialed with rubber-stamp (or seal) by the same person, who signs the tender document, failing which so, the tender may be rejected.
9. All the rates and amounts shall be quoted in Indian Rupee and shall be presumed to be in Indian Rupee only unless specifically permitted to be quoted otherwise in this tender document.

10. Each page of this tender document should be signed by the bidder with seal in token of having read, understood and accepted the terms and conditions of this contract.
11. Use separate piece of paper where the space provided in the formats in this tender document for submission of information is not sufficient.
12. The contractor shall stand for guarantee against defective materials / manufacturing defects(except lamp in case of Area illumination work) and workmanship for the work carried out by him for a period of **24** months from its commissioning /handing over & make good /repair/replace the faults during this period without any extra cost, failing which the same shall be got done at the risk and cost of the contractor. The work shall be supervised by the qualified supervisor from the contractor's side.
13. All information submitted or supplied in the formats of this tender document shall be presumed to be true to the best of knowledge of bidder.
14. The firms not having VAT Registration certificate shall not be eligible for submitting the bids. The blacklisted firms shall also not be eligible for participating in the bid.
15. The tenders/bids can be sent by post or courier as well. However, authorities shall not be responsible for postal or delays in receipt of bids.
16. If the last date for receipt of the tender/bid turns out to be a holiday, it will automatically be extended to next working day.
17. A bid submitted can not be withdrawn. The bidder or his authorized representative (one person only) will be allowed to be present at the time of opening of tenders. They will not participate in the discussions. Clarification sought, if any may be provided by them.
18. All or any of the tenders /bids submitted can be rejected without assigning any reason thereof. No claim, whatsoever, shall be admissible for the alleged loss/damages suffered by bidders on account of such rejections.
19. Bids shall be opened in the presence of the bidders or their authorized representative.
20. Prices quoted for each item shall be inclusive of all i.e. taxes and duties, excise duty, service taxes, loading, unloading, transportation, insurance, watch and ward etc.
21. Advance payment /part payment will not be entertained before completion and handing over the work.
22. No claim can be made due to some unforeseen delay for release of payment.
23. Payment of bill will be made only after completion of the work in all respects i.e. commissioning, testing, inspection of work by the electrical inspector, execution of agreement between user authority and distribution Company authority before charging of

sub station / Line and handed over the work to the *distribution Company. In case of Renovation & Improvement of Electrical Work payment of bill will be made only after completion of the work in all respects i.e. commissioning, testing and handed over the work to the user authority.*

24. All the transit risk shall be responsibility of the contractor.
25. Failure to complete the work in full within the stipulated period may lead to forfeiture of EMD and blacklisting of the contractor/firm.
26. The authorities are not bound to accept the lowest quoted rate.
27. Terms and conditions of this tender document can not be negotiated for variations.
28. The authority reserves the right to reject any or all tender in whole or part without assigning any reason and can impose any other condition(s) as deemed proper before or in course of finalisation of the tender.
29. The approved tender may be cancelled by the authority any time during validity without assigning any reason thereof and no claim can lie against OPHW&C for such cancellation.
30. All materials required for the work should be approved brand of the concerned Distribution company / as per the given specification and brand. Before take up the work A.P.M (Electrical) shall verify/ certify the quality of materials.
31. Before installation of the transformer E&MR certificate shall be submitted along with CPRI certificate and guarantee certificate of the transformer shall be submitted.
32. LT bushing cover and tap changer shall be provided.
33. All the disputes shall be subject to Jurisdiction of Civil Courts situated at Bhubaneswar.

Signature & seal of the Bidder.

**Sd/-
Joint Manager (Elect.)**

GENERAL BID FORM
BID REFERENCE NO: - 22/ 2015-16/ELECT/ OPHWC

1.Name :

Full Address :

Fax No :

Telephone No :

E-mail address of the firm :

2.Legal Status of the firm :

3.Give the location and Address of your Office/ Branch office :

4.Kindly confirm by writing” Yes” of “No” only

[A] Have you enclosed the EMD? If yes, mention the amount and its identifying details.

[B] Have you enclosed the valid H.T./ M.V. License?

[C] Have you enclosed the VAT clearance certificate?

[D] Have you enclosed the PAN card?

[E] Have you enclosed the audited balance sheet?

[F] Copies of assessment return of sales tax and income tax of last three years.

[G] Have you enclosed all the documents and papers called for in this tender document?

Kindly enclose a list. (Use a separate sheet of paper)

[H] If the answer to [G] above is ‘No’, which of the Documents / papers called for in the tender document have not enclosed.

(Kindly enclose a list of such document/papers – Use separate Sheet of paper, if necessary)

Signature & seal of the Bidder.

**Sd/-
Joint Manager (Elect.)**

**OFFICE OF THE CHAIRMAN-CUM- MANAGING DIRECTOR
ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD., BHUBANESWAR.**

BILL OF QUANTITY

TENDER NO.- 22/2015-16/ ELECT/OPHWC

**NAME OF THE WORK :- EXECUTION OF REPAIR AND RENOVATION WORKS OF BLOCK NO-3&4
CONSISTING OF 14 WARDS AND 11 NOS HIGH SECURITY WARD AT SPL.
JAIL,JHARPADA,BHUBANESWAR.**

Sl. No.	SCOPE OF WORK	UNIT	QTY.	QUOTED RATE INCLUSIVE OF ALL IN FIGURE & WORD	QUOTED AMOUNT INCLUSIVE OF ALL IN FIGURE & WORD
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A MAIN ENTRANCE

1	Supply, delivery, installation, testing & commissioning of L.T. indoor floor/ wall mounted type distribution boards with cable alloy , double door & locking arrangement made out of 2 mm thick CR sheet metal cubicle fixed on m.s. channel base, duly acid treated for derusting, primered and painted with 2 coats of powder coating of approved shade; dust, damp & vermin proof ; having hinged door and compartmental arrangement for each equipment & busbar chamber on the top of the panel running horizontally; having provision for cable/ conduit entry, earthing studs as per specification mentioned below duly factory wired conforming to the relevant ISS and as per special conditions of contract making good the damages caused complete as per the direction of Electrical Engineer-in-Charge ..[Make-(a)TPN SFU /MCB /MCCB - Legrand/ Schnider/L&T/ ABB, (b)Volt meter, Ammeter-AE/CAPPA, (d) all other accessories ISI mark]				
A	Incoming: 1 no. 400 A RTPNMS Outgoing: Busbar : 4 Nos 500 A , 500V Electrolytic copper strips 125 AMP RTPNMS - 1 SET WITH STUD CONNECTOR 63 AMP RTPNMS - 3 SET WITH STUD				

	<p>CONNECTOR</p> <p>Instruments:</p> <p>1 no of 0-200A amperemeter with cts with selector switch</p> <p>1 no of 0-500v voltmeter with selector switch</p> <p>1set: LED type R-Y-B phase indicating lamps with control fuses</p>	set	1		
2	Repaing of Main Incoming Cable with Cut Out ,dismantaling and resize of cable etc	JOB	1		
B.	WARD NO- 1 TO 5				-
1	<p>Semi Concealed wiring to different points with ISI marked 1.5 sq.mm(current carrying capcity min. 13 Amps.) 650/1100 volt pvc insulated single core (stranded) unsheathed copper conductor in 19 mm.dia. Extra super quality polythene/ pvc pipe including supply & fixing of 6A, 250V. flush type switch mounted on 3 mm. thick bakelite cover on required size iron board duly painted & fixed inside/on the wall including supply of ceiling rose / angle holder etc. mounted on 3 mm. thick bakelite cover on appropriate size iron board duly painted or RJ box (ceiling) fixed inside/on the wall with 1.0 sq.mm(current carrying capcity min. 11 Amps.) 650/1100 volt pvc insulated single core (stranded) unsheathed copper conductor as earth continuity wire including all connections as per instruction of Electrical Engineer-in- charge.</p> <p>(a)Switch, ceiling rose, angle holder, bell push switch, batten holder etc– Anchor Deluxe/ Anchor Penta/Great White /HPL ,(b) Wires - Finolex/RR/Great White/HPL/HAVELLS (c) all other materials ISI mark]</p>				-
(a)	Tube Light Point	Nos	10		
2	<p>Supply and fixing of 1 x 28 wt. T5 patty type tube light fittings complete set with lamp , connecting wire and all accessories refer to catalouge No - MAKE – CROMPTON CODE – T5GP28EB/MAKE-PHILIPS MODEL-MIROLTA SLIM-CODE-TMS540/MAKE-HPL-CODE-HIBE10128 including fixing and connections as per instruction of Electrical Engineer-in-charge..</p>	Nos	10		

3	Semi Concealed wiring to submain with two runs of ISI marked 1.5 sq.mm , 650 / 1100 volt. Pvc insulated single core (stranded) unsheathed copper conductor in 19 mm. dia. extra super quality pvc /polythene pipe with 1.0 sq.mm 650/1100 volt pvc insulated single core (stranded) unsheathed copper conductor as earth continuity wire from BDB's [L] to switch boards and separate 5 Amp.socket points including all connections as per instruction of Electrical Engineer-in- charge. [Make- (a)Wires - Finolex/RR/Great White/HPL/HAVELLS (c) all other materials ISI mark]	Mtr	90		
C.	WARD NO- 6 TO 11				
1	Supply & Fixing of 28 wt. t-5 lamp in existing fitting (Make - CROMPTON)	Nos	20		
2	Supply & Fixing of 28 wt. t-5 Ballast in existing fitting (Make - CROMPTON)	Nos	20		
3	Supply and fixing of 1200 mm sweep AC ceiling fan with star 5 rated connecting wire and all accessories refer to catalouge No - [MAKE- USHA ,MODEL-ATOM , /CROMPTON,MODEL-EMPOWER 50 /KHAITAN MODEL – NEWTECetc. including hanging and connections as per instruction of Electrical Engineer-in-charge.	Nos	10		
4	Repairing of 48" Ceiling Fan	Nos	5		
5	Supply and fixing of 1 x 28 wt. T5 patty type tube light fittings complete set with lamp , connecting wire and all accessories refer to catalouge No - MAKE – CROMPTON CODE – T5GP28EB/MAKE-PHILIPS MODEL-MIROLTA SLIM-CODE-TMS540/MAKE-HPL-CODE-HIBE10128 including fixing and connections as per instruction of Electrical Engineer-in-charge..	Nos	10		
D.	WARD NO- 12 TO 19				
1	Supply & Fixing of 28 wt. t-5 lamp in existing fitting (Make - CROMPTON)	Nos	16		
2	Supply & Fixing of 28 wt. t-5 Ballast in existing fitting (Make - CROMPTON)	Nos	16		

3	<p>Semi Concealed wiring to ceiling fan point with ISI marked 1.5 sq.mm(current carrying capacity min. 13 Amps.) 650/1100 volt pvc insulated single core (stranded) unsheathed copper conductor in 19 mm. dia. extra super quality polythene/pvc pipe including supply & fixing of 6A,250V. flush type switch with step type electronic regulator mounted on 3 mm. thick bakelite cover on required size iron board duly painted & fixed inside/on the wall including supply of ceiling rose mounted on 3 mm. thick bakelite cover on appropriate size iron board duly painted or RJ box (ceiling) fixed inside/on the wall with 1.0 sq.mm (current carrying capacity min. 11 Amps.) 650/1100 volt pvc insulated single core (stranded) unsheathed copper conductor as earth continuity wire including all connections as per instruction of Electrical Engineer-in- charge. [Make- (a)Switch, ceiling rose etc– Anchor Deluxe/ Anchor Penta/Great White /HPL ,(b) Wires - Finolex/RR/Great White/HPL/HAVELLS (c) all other materials ISI mark]</p>	Nos	48		
4	<p>Supply and fixing of 1200 mm sweep AC ceiling fan with star 5 rated connecting wire and all accessories refer to catalouge No - [MAKE- USHA ,MODEL- ATOM , /CROMPTON,MODEL-EMPOWER 50 /KHAITAN MODEL – NEWTECetc. including hanging and connections as per instruction of Electrical Engineer-in-charge.</p>	Nos	24		
5	<p>Semi Concealed wiring to submain with two runs of ISI marked 1.5 sq.mm , 650 / 1100 volt. Pvc insulated single core (stranded) unsheathed copper conductor in 19 mm. dia. extra super quality pvc /polythene pipe with 1.0 sq.mm 650/1100 volt pvc insulated single core (stranded) unsheathed copper conductor as earth continuity wire from BDB's [L] to switch boards and separate 5 Amp.socket points including all connections as per instruction of Electrical Engineer-in- charge. [Make- (a)Wires - Finolex/RR/Great White/HPL/HAVELLS (c) all other materials ISI mark]</p>	Mtr	90		
E.	WARD NO- 20 TO 25				

1	<p>Semi Concealed wiring to different points with ISI marked 1.5 sq.mm(current carrying capacity min. 13 Amps.) 650/1100 volt pvc insulated single core (stranded) unsheathed copper conductor in 19 mm.dia. Extra super quality polythene/ pvc pipe including supply & fixing of 6A, 250V. flush type switch mounted on 3 mm. thick bakelite cover on required size iron board duly painted & fixed inside/on the wall including supply of ceiling rose / angle holder etc. mounted on 3 mm. thick bakelite cover on appropriate size iron board duly painted or RJ box (ceiling) fixed inside/on the wall with 1.0 sq.mm(current carrying capacity min. 11 Amps.) 650/1100 volt pvc insulated single core (stranded) unsheathed copper conductor as earth continuity wire including all connections as per instruction of Electrical Engineer-in- charge.</p> <p>(a)Switch, ceiling rose, angle holder, bell push switch, batten holder etc– Anchor Deluxe/ Anchor Penta/Great White /HPL ,(b) Wires - Finolex/RR/Great White/HPL/HAVELLS (c) all other materials ISI mark]</p>				
(a)	Angle Holder Point	Nos	60		
(b)	Tube Light Point	Nos	12		
2	<p>Semi Concealed wiring to exhaust fan point with ISI marked 1.5 sq.mm(current carrying capacity min. 13 Amps.) 650/1100 volt pvc insulated single core (stranded) unsheathed copper conductor in 19 mm. dia. extra super quality pvc /polythene pipe including supply & fixing of 6A,250V. flush type switch mounted on 3 mm. thick bakelite cover on required size iron board duly painted & fixed inside/on the wall including supply of ceiling rose mounted on 3 mm. thick bakelite cover on appropriate size iron board duly painted or RJ box (ceiling) fixed inside/on the wall with 1.0 sq.mm(current carrying capacity min. 11 Amps.) 650/1100 volt pvc insulated single core (stranded) unsheathed copper conductor as earth continuity wire including all connections as per instruction of Electrical Engineer-in-charge.[Make-</p> <p>(a)Switch, ceiling rose etc– Anchor Deluxe/ Anchor Penta/Great White /HPL ,(b) Wires - Finolex/RR/Great White/HPL/HAVELLS (c) all other materials ISI mark]</p>	Nos	6		
3	Supply & Fixing of 28 wt. t-5 lamp in existing fitting (Make - CROMPTON)	Nos	32		

4	Supply & Fixing of 28 wt. t-5 Ballast in existing fitting (Make - CROMPTON)	Nos	32		
5	Supply and fixing of 1200 mm sweep AC ceiling fan with star 5 rated connecting wire and all accessories refer to catalouge No - [MAKE- USHA ,MODEL-ATOM , /CROMPTON,MODEL-EMPOWER 50 /KHAITAN MODEL – NEWTECetc. including hanging and connections as per instruction of Electrical Engineer-in-charge.	Nos	12		
6	Supply and fixing of 450 mm sweep exhaust fan with connecting wire and all accessories refer to catalouge No- MAKE – KHAITAN RPM-1400, SINGLE PHASE./MAKE-USHA/MODEL-TURBO HEAVY DUTY/MAKE-CROMPTON/MODEL-HEAVY DUTY EXHAUST FAN EXHD 450-4-1.including fixing and connections as per instruction of Electrical Engineer-in-charge	Nos	6		
7	Supply and fixing of 1 x 28 wt. T5 patty type tube light fittings complete set with lamp , connecting wire and all accessories refer to catalouge No - MAKE – CROMPTON CODE – T5GP28EB/MAKE-PHILIPS MODEL-MIROLTA SLIM-CODE-TMS540/MAKE-HPL-CODE-HIBE10128 including fixing and connections as per instruction of Electrical Engineer-in-charge..	Nos	10		
8	Repairing of 12 " Exhaust Fan	Nos	15		
9	Repairing and shifting of existing switch board box with accessories and locking arrangements(size-450 mm x 450 mm)	JOB	1		
10	Supply and fixing of 250 wt. M.H. Choke(Make - Crompton)	Nos	2		
11	Supply and fixing of 250 wt. M.H. Lamp(Make - Crompton)	Nos	2		
12	Supply and fixing of 250 wt. M.H. Ignitor(Make - Crompton)	Nos	2		
13	Supply and fixing of 250 wt. M.H. Capacitor (Make - Crompton)	Nos	2		

14	Semi Concealed wiring to submain with two runs of ISI marked 1.5 sq.mm , 650 / 1100 volt. Pvc insulated single core (stranded) unsheathed copper conductor in 19 mm. dia. extra super quality pvc /polythene pipe with 1.0 sq.mm 650/1100 volt pvc insulated single core (stranded) unsheathed copper conductor as earth continuity wire from BDB's [L] to switch boards and separate 5 Amp.socket points including all connections as per instruction of Electrical Engineer-in- charge. [Make- (a)Wires - Finolex/RR/Great White/HPL/HAVELLS (c) all other materials ISI mark]	Mtr	180		
15	Supply and fixing of earthing including 38 mm. dia. 3 mtr. long G.I pipe[Heavy Duty].The pipe shall have 12 mm. dia. perforated holes at 15 cm centre to centre up to 2.5 mtrs height from the bottom and fitted with a 38 mm. dia. G.I flange at the top with provision of holes for making connection of earth continuity wire,complete with masonry work for earth pit chamber.The earth pit shall have an alternative layer of 105 mm. charcoal and 50 mm. salt up to a depth of 465 mm. and rest shall be filled with charcoal to a further depth of 2035 mm. The earth pit should maintain a minium clearance 1.5 mtr. from building & 2 mtr. in between two earth pit and as per instruction of Electrical Engineer-in-charge.	Nos	6		
16	Supply and fixing of sub earthing with No-8 bare copper wire as earth Continuity wire from Main pannel board to earth electrode inside the wall/ground to a depth of 50 mm. and make good of the wall/ground including all connections.	Rft	150		

TOTAL

Seal & Signature of the Contractor

Sd/-
Asst. Project Manager (Elect.)

Sd/-
APM Elect (Hqr.)