



Mob-9438907813

**ଓଡିଶା ବିଦ୍ୟୁତ୍ ଶକ୍ତି ପ୍ରଚାରଣ ନିଗମ ଲି.ଃ.**

**ODISHA POWER TRANSMISSION CORPORATION LIMITED**

**OFFICE OF THE DEPUTY GENERAL MANAGER: ELECTRICAL,**

**EHT (O&M) DIVISION, BHANJANAGAR, AT: KANTEIPALLI**

**POST: BADAPADA, DIST: GANJAM (ODISHA), PIN: 761 124**

**E.mail- ehtm.div.bnj@optcl.co.in**

**GSTIN: 21AAACO7873L1Z6**

**TENDER SPECIFICATION FOR NIT NO- 02/2022-23**

**FOR**

**CONCEALED ELECTRICAL REWIRING WITH NECESSARY ACCESSORIES FOR CONTROL ROOM ALONG WITH ACDC ROOM, BATTERY ROOM, OFFICE ROOM AND REST ROOM AT 132/33 KV GRID SUB-STATION, ASKA UNDER EHT (O&M) DIVISION, BHANJANAGAR**

**ISSUED TO .....**

.....

.....

Money Receipt/D.D No. ....

Date:.....

**COST OF TENDER PAPER = Rs. 2000/- + 12% GST = Rs. 2240/-**



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OFFICE OF THE DEPUTY GENERAL MANAGER: ELECTRICAL,  
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E.mail- ehtm.div.bnj@optcl.co.in GSTIN: 21AAACO7873L1Z6

## TENDER CALL NOTICE No. 02/2022-23

Sealed Tenders are invited by the undersigned from Electrical Contractors having valid electrical licence along with PAN, GST registration certificate for “Concealed electrical rewiring with necessary accessories for control room along with ACDC room, battery room, office room and rest room at 132/33 KV Grid Sub-Station, Aska” under EHT (O&M) Division, Bhanjanagar.

Commencement of Sale of Tender Paper: - From Dated 16.04.2022, 11 AM to Dated 28.04.2022, 12 Noon.  
Last Date of Submission of Tender Paper: - Dated 28.04.2022 up to 2:00 PM.

Date of Opening of Tender Paper: - Dated 28.04.2022 at 3:00 PM.

Sl. No	Tender Specification No.	Description of equipment/materials	Cost of Tender Spec. Document (in Rs.)	Last date of receipt & opening of tender
1.	NIT NO-02 / 2022-23, EHT (O&M) Division, Bhanjanagar	CONCEALED ELECTRICAL REWIRING WITH NECESSARY ACCESSORIES AT GRID S/S ASKA	2000/- + 12 % GST = Rs. 2240/-	28-04-2022 (14:00 Hrs) & 28-04-2022 (15:00 Hrs)

The Tender specification can be obtained on payment of Rs. 2000/- + [GST @ 12%](#) = Rs. 2240/- in shape of Cash / Bank Draft drawn in favour of **EHT(O&M) Division, OPTCL, Bhanjanagar payable at Bhanjanagar** and an additional amount of Rs. 100/- (Rupees one hundred) only may be paid for postal delivery. The undersigned shall not be held responsible for any postal delay. The tender must be accompanied with **Bid Security Declaration**. Incomplete tender document and tender without bid security declaration shall be rejected. If the last date of receipt/opening of Tender falls on a Holiday, then the tender paper will be received/ opened in the next working day. The undersigned reserves the right to accept or reject any or all tenders without assigning any reason thereof.

Sd/-

Dy. General Manager (Elect),  
EHT (O&M) Division, Bhanjanagar

**TENDER SPECIFICATION OF NIT NO- 02/2022-23  
OF EHT (O&M) DIVISION, BHANJANAGAR**

**FOR**

**CONCEALED ELECTRICAL REWIRING WITH NECESSARY ACCESSORIES FOR CONTROL ROOM ALONG  
WITH ACDC ROOM, BATTERY ROOM, OFFICE ROOM AND REST ROOM AT 132/33 KV GRID  
SUB-STATION, ASKA UNDER EHT (O&M) DIVISION, BHANJANAGAR**

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- 1. SECTION –I: INSTRUCTIONS TO BIDDERS.**
- 2. SECTION –II: GENERAL TERMS & CONDITIONS OF CONTRACT.**
- 3. SECTION –III: SCOPE OF WORK**
- 4. SECTION –IV: ABSTRACT OF TERMS AND CONDITIONS.**
- 5. SECTION –V: SCHEDULE OF PRICE**
- 6. SECTION –VI: BID SECURITY DECLARATION.**
- 7. SECTION –VII: NO RELATION CERTIFICATE.**

# SECTION-I

## INSTRUCTIONS TO BIDDERS

1. The bidders must read in detail the “Instructions to Bidders”, “General Terms and Conditions of Contract” before filling the Tender documents. There are seven sections in this Tender Specification.
2. **TENDERS:**
  - a. Bidders must submit their bids with original signature.
  - b. Only those bidders who have purchased the relevant tender specification from this office can submit their tender. Tenders submitted by others will be rejected. The bidders should indicate the money receipt number and date of purchase of tender specification from this Office. Bidders must submit their bid documents duly filled in our specification only.
  - c. Tender must be submitted in sealed envelope super scribing as Tender Call Notice No. 02/2022-23 for “Concealed electrical rewiring with necessary accessories for control room along with ACDC room, battery room, office room and rest room at 132/33 KV Grid Sub-Station, Aska” under EHT (O&M) Division, Bhanjanagar” addressed to Dy. General Manager, EHT (O&M) Division, Bhanjanagar.
  - d. Tender shall be submitted either in person or by Registered post with A.D. within the time specified in the Tender call notice. Any other means of delivery shall not be accepted. The bidder who wants to receive the tender paper by post have to deposit additional Rs. 100.00 (Rupees One hundred) along with the tender paper cost. Detailed postal address with PIN No., Phone/ Fax/Email of bidder must be mentioned in the application requesting for tender document.
  - e. Detailed postal address with PIN, Phone /FAX No, Mail-Id must be mentioned in the application requesting for Tender document on the Tender Bid. The Tender submitted in person is to be dropped in the Tender Box. Tender received after due date and time will not be considered. The authority will not be responsible for receipt of Tender after due date and time due to postal delay or any other reasons.
  - f. Tenders shall not be submitted telegraphically or by FAX.
  - g. Conditional offers will not be accepted.
  - h. If the last date of receipt/opening of tender falls on a holiday, it will be received/ opened on the next working day in same time.
  - i. The tender must be accompanied with bid security declaration form.
3. **INFORMATION OF COMPETITORS:** Bidders have right to know information on Competitors **only at the time of opening of the bids**. No further information on competitors shall be provided at any other point/stage of the tender without prejudice to Right to Information Act. 2005.
4. **OPENING OF TENDERS:**
  - a. Copy of valid Electrical License/PAN Card/ GST Registration Certificate must be enclosed with the tender bids.
  - b. Bidders themselves or their authorized representatives (**one person only, possessing authorization letter in original**) shall be allowed to attend opening event of the tender.

5. The purchaser may alter the quantities of materials at the time of placing orders. Orders may also be split up among more than one tenderer if necessary. The purchaser reserves the right to reject the lowest or any other Tender or all tenders without assigning any reason what so ever.
6. Tenders should be prepared clearly without any **overwriting** and **corrections**. Erasures and other changes shall bear the dated initial of the person signing the tender.
7. In the event of discrepancy or arithmetical error in the schedule of price, the decision of the purchaser shall be final and binding on the bidders.
8. For evaluation, the price mentioned in **words** shall be taken, if there is any **difference** in **figure** and **words** in the price bid.
9. In the event of disparity of price due to tax rates, the comparison of price shall be made exclusive of tax and order shall be placed with tax rate as per Govt. norms.
10. **THE TENDERS SHALL BE LIABLE FOR REJECTION, IF THEY DO NOT AGREE TO OR COMPLY WITH ANY OF THE TERMS AND CONDITIONS SET FORTH AND PROVIDED IN THE TENDER SPECIFICATION.**

## SECTION-II

### GENERAL TERMS AND CONDITIONS OF CONTRACT

1. **SCOPE OF CONTRACT:** The detailed scope of work is appended at Section-III and plan & layout at Annexure- I & II.
2. **VALIDITY:** The bidders are requested to keep the validity of their offer for a period of 6 (six) months from the date of opening of tender.
3. **PRICE:** The bidders are advised to quote their rate as per the price schedule at Annexure – I and shall remain firm inclusive of all duties, labour charges etc., within the validity of tenders. The unit rate and the total amount should be entered in figures and words. Any correction should be attested under the seal of the Firm/ Contractor. In case of any difference between figure and words in the price schedule, the price mentioned in words should be taken into consideration for evaluation.
4. **Taxes:** GST, if any shall be mentioned.
5. **Completion of Work:** The work should be completed in full shape within 45 days from the date of award of the contract. Upon receipt of intimation about completion of the work and after inspection by OPTCL Engineer-in-charge shall issue a completion certificate in which he shall certify the date on which the work have been completed. The certificate shall be issued within 45 days of the intimation from the contractor. The issuance of taking over certificate shall in no way relieve the contractor of his responsibility for the satisfactory completion of the work in terms of the work order.
6. **TERMS OF PAYMENT:** 100% payment will be paid by the paying officer after completion of work and verification thereof by respective consignee and paying officer and against deposit of 3% security-cum-performance guarantee amount as per **clause No. 9**.
7. **GUARANTEE PERIOD:** The work done by the contractor shall be guaranteed for a period of 01 year from the date of completion of work against any bad materials used and bad workmanship done for the work. The above guarantee certificate shall be furnished in **triplicate** to this office for approval. Any defects noticed during the period shall be rectified by the Contractor on free of cost to OPTCL upon written notice provided such defects are due to bad materials used and bad workmanship.
8. **PENALTY FOR DELAY IN COMPLETION OF CONTRACT:** Penalty @½( half per cent) per week up to a maximum of 5% of the total value of the work order will be imposed and recovered from dues admissible if the work is not completed within the scheduled period.
9. **EXTENSION OF TIME:** If the work is not completed within the stipulated period due to any reason beyond the control of bidder, the same should be intimated to the purchaser in writing for an extension of time with detail **justification**. The purchaser on receipt of such notice may agree to extend the work contract if reasonable, but without prejudice to other terms and conditions of this contract.
10. **SECURITY-CUM-PERFORMANCE GUARANTEE:** The bidders whose offer qualifies will be awarded work order for execution of the works and the contractor shall have to deposit security-cum-performance guarantee amount equal to 3% (Three per cent) of contract value in shape of D.D/ Composite B.G. drawn in favour of Paying Officer of OPTCL and in the prescribed format of OPTCL. If not deposited by the bidder, the same will be deducted from the bill. The security-cum-performance guarantee shall be released after successful completion of the guarantee period as stated under **clause-7** on written request and as per the guidelines of Director (Fin.), OPTCL. No interest shall be paid to the contractor towards the security-cum-performance guarantee so deposited by the contractor. The security-cum-performance guarantee shall be deposited with the respective paying officer of OPTCL within 15 days of issue of work order or prior to execution of the work. In the event of any breach or default in all or any conditions of the work order or any defect found during the guarantee period and not repaired by the Contractor free of cost, OPTCL may forfeit the whole amount of security-cum-performance

guarantee.

11. **AUTHORITY:** Dy. General Manager (Elect), EHT (O&M) Division, Bhanjanagar.
12. **CONSIGNEE:** Sub-Divisional Officer, 132/33 KV Grid Sub-Station Aska.
13. **PAYING OFFICER:** Dy. General Manager (Elect), EHT (O&M) Division, Bhanjanagar.
14. **SUPERVISION:** The Sub-Divisional Officer (Elect.)/Engineer-in-Charge of the Grid Sub-Station will supervise the work.
15. **GST REGISTRATION CERTIFICATE, PAN CARD:** Attested legible **photocopies** of work orders/Experience certificate (if any), PAN Card and GST Registration Certificate should be submitted along with tenders without which tender will be liable for rejection at the time of opening. If required, the firm may be asked to produce original documents for verification any time after opening of the tender. Those who fail to produce the same and found not to be valid on the date of opening of the tender; their tenders will be liable for rejection.
16. **SAFETY:** The contractor shall adhere all the safety norms during execution of work and also to follow the COVID-19 guidelines.
17. **INSURANCE:** The contractor shall arrange insurance coverage for the OPTCL materials / his own materials at his cost.
18. **NON-ASSIGNMENT:** The contractor shall not assign or transfer the work order issued as per this contract or any part thereof without the prior approval of OPTCL.
19. **CONTRACTOR'S RESPONSIBILITY:** Notwithstanding anything mentioned in the specification or subsequent approval or acceptance of the work of the substation by OPTCL, the ultimate responsibility for satisfactory performance of the work shall rest with the contractor.
20. **AGREEMENT:** The successful contractor shall have to enter into an agreement with the concerned Engineer-in-charge in the approved contract agreement form within 10 days of receipt of work order.
21. **JURISDICTION OF COURT:** - Dispute if any, arising against the work order issued to the bidder shall be filed by either party in any court of law to which the jurisdiction of Odisha High Court extends.
22. **SUBMISSION OF PAN NO. & GST REGISTRATION CERTIFICATE:** Clear attested Xerox copies of PAN No. issued by the competent Authority (valid during the execution of the work) & GST Registration Certificate & Electrical contract licence valid on the date of opening of tender should be submitted along with tenders, failing which the tender will be rejected. The contractor may be requested to produce original PAN Card, GST Registration Certificate & Electrical licence for verification at the time of opening of the tender. Those who fail to produce the same and found not to be valid on the date of opening of tender, their tenders will be rejected.
23. **MANNER OF EXECUTION:** For electrical wiring of control room along with ACDC room, battery room, office room and rest room at 132/33 KV Grid S/S Aska shall be carried out in an approved manner as outlined in the Annexure-I & II (Plan & Layout) or where not outlined in accordance with the relevant Indian Standard Specification to the reasonable satisfaction of the Engineer.
24. **FORCE MAJURE:** The Contractor shall not be liable for any penalty for delay or for failure to perform the Contract for reasons of FORCE MAJURE, such as acts of God; acts of public enemy, acts of Govt, fires, floods, epidemics, quarantine restrictions, strike, freight, embargoes provided that the contractor shall within 10 days from the beginning of such delay notify to OPTCL in writing of the cause of delay. The OPTCL shall verify the facts and grant such extensions as facts justified.

- 25. VARIATIONS, ADDITIONS AND OMISSIONS:** The OPTCL shall have the right to alter, amend, omit or otherwise vary the quantum of work by notice in writing to the Contractor. The Contractor shall carry out such variation in accordance with the rates specified in the contract.
- 26. INSPECTION DURING EXECUTION:** The Engineer-in-charge or his authorized representative(s) shall be entitled at all reasonable times to inspect and supervise the work. Such inspection will not release the Contractor from their obligations under this contract.
- 27. SUBMISSION OF PROOF REGARDING PAST EXPERIENCE:** The bidders are required to submit the list of his past experience if any regarding similar work done along with the supporting documents.
- 28.** The Authority reserves the right to reject the notice/ award the contract among any responsive bidders against this tender or without assigning any reason thereof.
- 29. Workmen's Compensation:-**The contractor shall be fully responsible for paying compensation, if any; under the workmen compensation act on account of workmen deployed by him.
- 30. REJECTION OF WORKS:** In the event of any of the materials supplied / work done by the contractor is found defective in materials or workmanship or otherwise not in conformity with the requirement of this contract, specifications, the OPTCL shall either reject the materials and / or work and request the Contractor to rectify the same. The Contractor on receipt of such notice rectify or replace the defective materials and rectify the work free of cost. If the Contractor fails to do so the OPTCL may -
- I. At its option replace or rectify such defective materials and / or work and recover the extra cost so involve from the Contractor plus 15% from the contractor and / or
  - II. Terminate the contract for balance work / supplies with enforcement of penalty as per contract.
  - III. Accept the defective materials and / or works at reduced price considered equitable under the circumstances.
- 31. PAYMENT DUE FROM THE CONTRACT:** All costs and damages for which the Contractor is liable to the authority will be deducted by him from any money due to the Contractor under the contract.
- 32. ARBITRATION:** If at any time any question, dispute or difference what-so-ever arises between the OPTCL and the Contractor, upon or in relation to or in connection with the contract, either party may forthwith give to the other a notice in writing of the existence of such question disputes or difference and the same shall be referred to the adjudication of three arbitrators, one to be nominated by OPTCL, the other by the Contractor and the third by the President of the Institution of Engineers, India. If either of the parties fail to appoint its arbitrator, within sixty (60) days after receipt of notice for the appointment of its arbitrator then the President of the institution of Engineers, India shall have the power at the request of either of the parties to appoint an Arbitrator. A certified copy of the "President" making such an appointment shall be furnished to both parties.
- The arbitration shall be conducted in accordance with the provisions of Indian Arbitration Act, 1940 or any statutory modification thereof and shall be held at such place and time in India as the Arbitrators may determine. The decision of the majority of Arbitrators shall be final and binding upon the parties hereto and the expenses of the arbitration shall be paid as may be determined by the Arbitrators.
- 33. SECURITY:** The Contractor shall treat the details of the specification and other documents as private and confidential and they shall not be reproduced without written authorization from OPTCL.

**All other terms and conditions will be governed by OPTCL as per Rule.**



## SECTION-III

### SCOPE OF THE WORK:

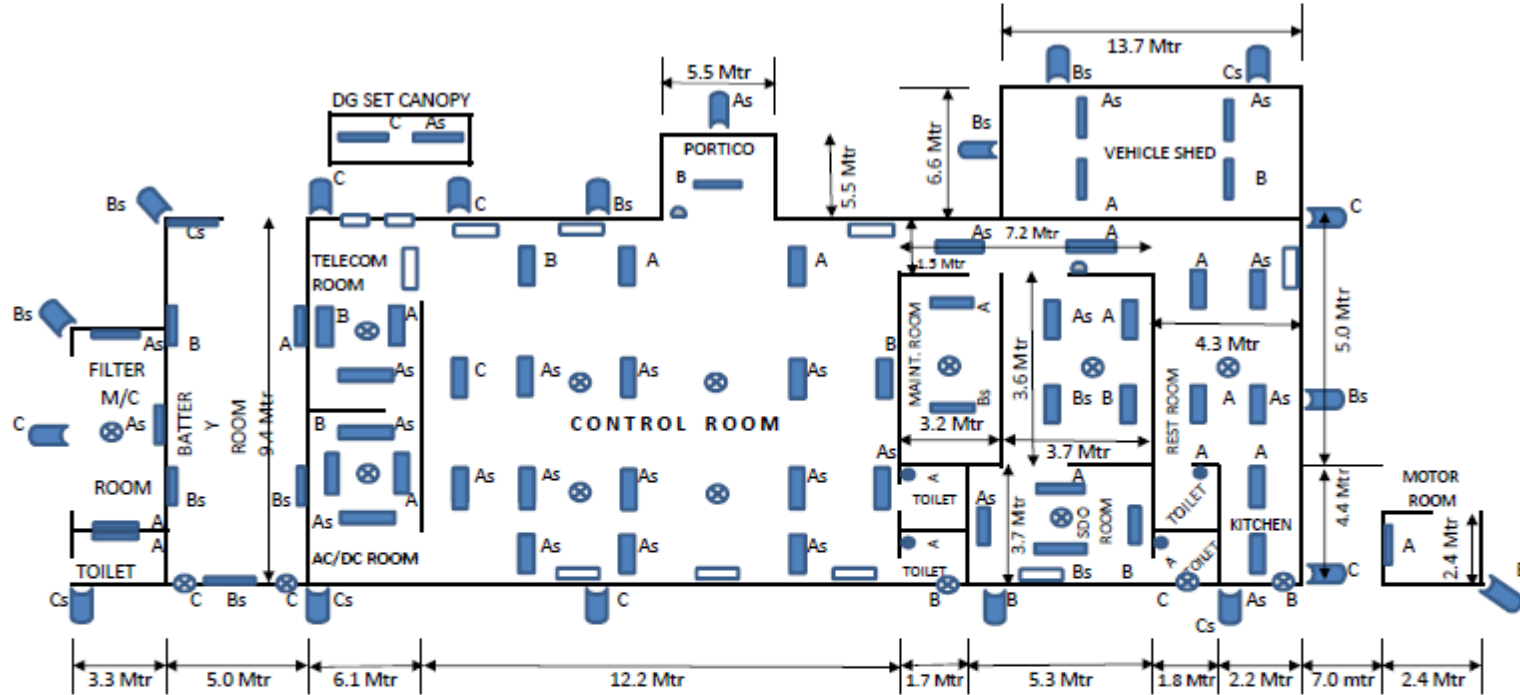
SL. NO.	DESCRIPTION OF ITEMS	UNIT	QNTY
<b>A</b>	<b><u>INTERNAL WIRING.</u></b>	-	-
1	Recessed wiring to light point / first light of group control/ call bell point/ exhaust fan point /wall fan point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metallic PVC conduit with 6 Amp, 250 V clip in type <b>Modular switch</b> ISI marked mounted on G.I modular box with face plate & cover of suitable size, with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge. (Make of wire-Finolex/Havells/ V-Guard/ HPL) & (Make of Modular Box-Schneider-Oppela / Legrand - Artior/ Roma- Urban +/Havells)		
(a)	Single light/ex fan point controlled by one 6A switch or first light point or group control <b>Group-A</b>	Points	18
(b)	Single light/ex fan point controlled by one 6A switch or first light point or group control <b>Group-B</b>	Points	14
(c)	Single light/ex fan point controlled by one 6A switch or first light point or group control <b>Group-C</b>	Points	10
2	Recessed wiring to <b>secondary light point</b> looped from primary light point with 1.5sqmm FR PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metallic PVC conduit with 1.5sqmm FR PVC insulated single core multistrand copper conductor for running earth including 3 plate ISI marked Ceiling rose with all accessories & connection as per direction of Engineer in charge. (Make of wire-Finolex/Havells/ V-Guard/ HPL)	Nos.	41
3	Recessed wiring for <b>5 / 6 amp socket outlet on existing switch board</b> with 6Amp, 250 V clip in type modular switch ISI marked mounted on G.I moular box with face plate & cover of suitable size including all accesories and connection as per direction of Engineer in Charge. (Make- Havells/ Legrand/Schneider)	Nos.	25
4	Recessed wiring for <b>5 / 6 amp socket outlet on separate board</b> 250 V clip in type switch ISI marked mounted on G.I moular box with face plate & cover of suitable size , with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge. (Make- Havells/ Legrand/Schneider)	Nos.	7
5	Recessed wiring for <b>6 pin 16 amp socket outlet with 16Amp</b> , 250 V clip in type switch ISI marked mounted on G.I moular box with face plate & cover of suitable size including all accesories and connection as per direction of Engineer in Charge. (Make- Havells/ Legrand/Schneider)	Nos.	9
6	Recessed wiring for <b>A.C socket outlet</b> with 20/25A modular plug socket including all accesories and connection as per direction of Engineer in Charge. (Make- Havells/ Legrand/Schneider)	Nos.	11

7	Supplying and installation of <b>32A DP Switch for AC</b> modular type of reputed make as approved suitable for 240V including all accessories and connection as per direction of Engineer in Charge. (Make- Havells/ Legrand/Schneider)	Nos.	11
8	Supply of <b>2 x 1.5</b> sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor earth wire as required for recessed wiring to submain with 10% extra. Make of wire-Finolex/Havells/ V-Guard/ HPL)- <b>For subsequent point of group control</b>	Mtrs	504.00
9	Supply of <b>2 x 2.5</b> sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required for recessed wiring to submain with 10% extra. Make of wire-Finolex/Havells/ V-Guard/ HPL) - <b>From BDB to Switch Board &amp; 16A socket points</b>	Mtrs	184.00
10	Supply of <b>2 x 4</b> sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 1 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required for recessed wiring to submain with 10% extra. Make of wire-Finolex/Havells/ V-Guard/ HPL)- <b>From BDB's to A/C outlets</b>	Mtrs	252.00
11	Supply of <b>2 x 6</b> sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 1 x 4.0 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required for recessed wiring to submain with 10 % extra. Make of wire-Finolex/Havells/ V-Guard/ HPL)- <b>For BDB-1Φ MS</b>	Mtrs	29.00
12	Supply of <b>4 x 6</b> sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 2 x 4.0 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required for recessed wiring to submain with 10 % extra. Make of wire-Finolex/Havells/ V-Guard/ HPL)- <b>For 3ΦMS to BDB, BDB to 3ΦMS &amp; 3ΦMS to MCB</b>	Mtrs	48.40
13	Supply & fixing of GI junction box with connector strips for jointing of wire.	Each	14
<b>B</b>	<b>PANEL (Supply)</b>		
14	Supply and Fixing of 125A, 415V ICTPN main switch with three fuse unit on porcelain base, approved make to be fixed on metallic board of appropriate sizes provision of earth screw with 3 mm thick bakelite/phenolic laminated front cover fixed with steel screws complete with all accessories and connections including earth connection. (Make- HAVELS/C &S /SEIMENS / LEGRAND / ANCHOR)	Each	1

15	Supply and Fixing of 63A, 415V ICTPN main switch with three fuse unit on porcelain base, approved make to be fixed on metallic board of appropriate sizes provision of earth screw with 3 mm thick bakelite/ phenolic laminated front cover fixed with steel screws complete with all accessories and connections including earth connection. (Make- HAVELS/C &S /SEIMENS / LEGRAND / ANCHOR)	Each	2
16	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad readymade, single door type powder coated Modular type TPN busbar distribution board suitable for 4 way 125A, 415 V, 3 phase, 4 wire 50 Hz AC supply complete with cable glands with bottom detachable plates for arrangement with bottom cable entry, cable alleys, interconnections etc. (Make of BDB-L&T/ Legrand/ANCHOR/ HAVELS)	Each	1
17	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal modular type powder coated wall mounted MCB DB suitable for 240 V, 1-phase, 50 Hz AC Supply complete with bottom detachable plate for interconnections etc.(But without MCB/ RCCB/ ISOLATOR) (Legrand/L&T/ Schneider) .		
(i)	10 Way Double Door, Horizontal type	Nos.	3
(ii)	8 Way Double Door, Horizontal type	Nos.	1
(iii)	2 Way Double Door, Horizontal type	Nos.	3
18	Supply and fixing of 5Amp to 32A rating 240V "B" series MCB suitable for lighting and other loads of the following poles in the exiting MCB DB ISI marked complete with connections testing and commissioning etc. as required.(make-HPL/ Havells/ Legrand /L&T/C&S)		
	(i) 32 Amp DP MCB	Nos.	14
	(ii)16 Amp DP MCB	Nos.	5
	(iii) 6 Amp SP MCB	Nos.	20
<b>C</b>	<b>CABLE</b>		
19	Laying of LT Aluminium Power Armoured/Unarmoured cable up to 25 Sqmm in trench including fixing of cable with terminal connections both at equipment and panels with supply and fixing of aluminium lugs, brass glands with crimping and clamps made of aluminium, fixing of cables on the trays with bolts and nuts, supply and fixing of PVC bend and pipes (where required) / Excavation and laying Under ground where required.		
(i)	4C x 16 sq.mm	Rmt	43
<b>D</b>	<b>FITTINGS &amp; FIXTURE</b>		
20	Supply and fixing of BEE 5 star rated, 1200mm sweep high speed ceiling fan including the down rods of standard length (upto 50 cm). make-Usha/Orient/V-Guard/Khaitan/Havells/Crompton/Almonard	Nos	11
21	Supply and fixing of Modular fan regulator (Cona/Anchor/ Usha/Bajaj/ Havells/Crompton/Almonard)		
	(i) Electronics step type Regulator (Modular type)	Nos	11
22	Supply & fixing of 9" Exhaust fan of BEE 5 star rated for office toilet	Nos	3
23	Supply & fixing of 16" Industrial Exhaust fan of BEE 5 star rated for Battery room	Nos	2
24	Supply & fixing of LED Tube light (20Watt) with fittings	Nos	20
25	Supply & fixing of BEE 5 star rated LED Bulb (9Watt)	Nos	4

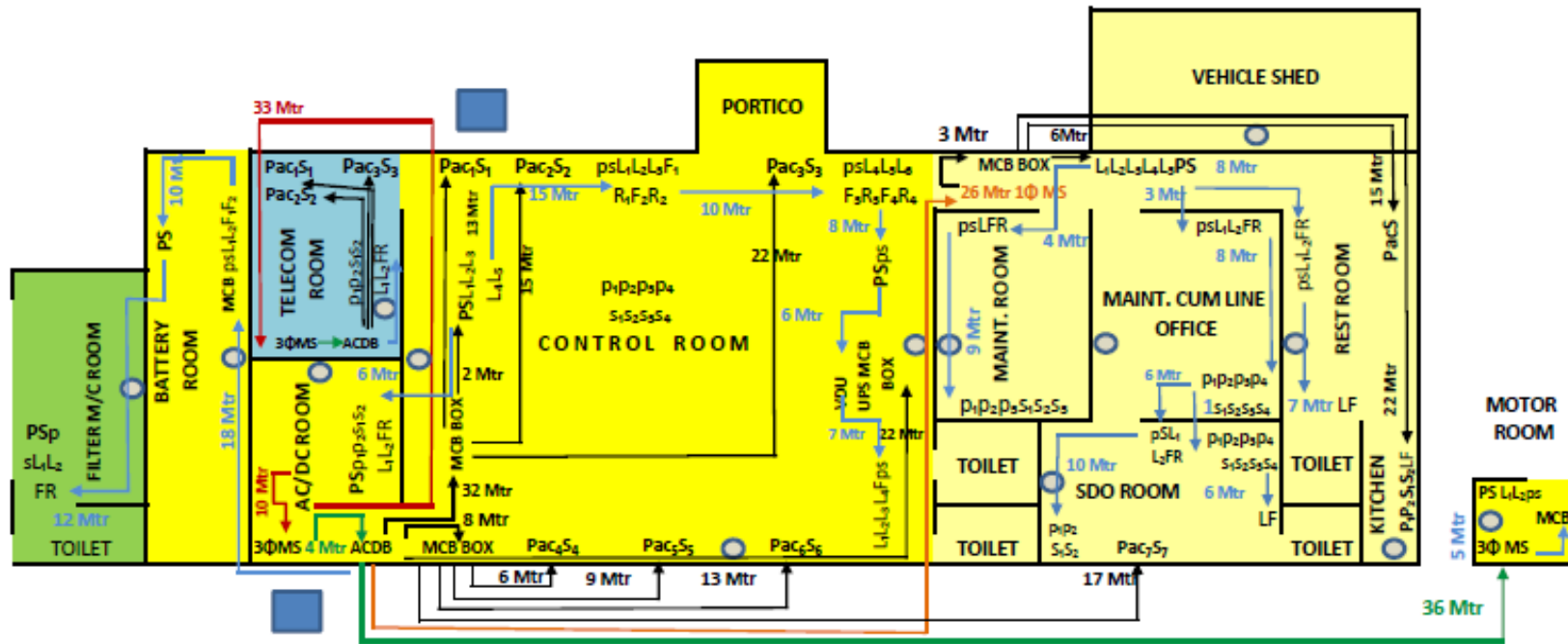
26	Supply & fixing of BEE 5 star rated Street light fittings with 20 Watt LED bulb	Nos	18
27	Calling Bell (Wireless)	Nos	1
<b>E</b>	<b>EARTHING</b>		
28	Supply and fixing Earthing with G.I earth pipe 3mtr. Long 40mm dia ISI marked including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with Bentonite treatment (100Kg each).	Set	2
	Standard earthing as per Govt. Specification		
29	Supplying and laying 25 mm x 6 mm G.I earth strip ISI marked at 0.5 meter below ground level as strip earth electrode including soldering etc. as required.	Rmt	1
30	Supplying and laying 25 mm x 5 mm G.I earth strip ISI marked on surface or in recess for connection etc as required.	Rmt	20
F. 31	Dismantling of existing old open wiring	LS	1

## ANNEXURE-I (PLAN)



- |  |   |   |                                 |    |                                 |
|--|---|---|---------------------------------|----|---------------------------------|
|  | LED fittings = 41 Nos                         |   | Split A/C = 9Nos                | As | Secondary light points = 25 Nos |
|  | LED Tube light (20Watt) = 20 Nos              |   | Window A/C - 2 Nos              | Bs | Secondary light points = 11 Nos |
|  | Fan/Exhaust fan = 11/5 Nos                    |   | Calling Bell (Wireless)= 1 Nos  | Cs | Secondary light points = 5 Nos  |
|  | Bulb (9Watt) - 4 Nos                          | A | Group A <= 3Mtrs = 18Nos        |    |                                 |
|  | Street light fitting with 20Watt LED = 18 Nos | B | Group B > 3Mtrs < 6Mtrs = 14Nos |    |                                 |
|  |   | C | Group C > 6Mtrs = 10Nos         |    |                                 |

## ANNEXURE-II (LAYOUT)



- 3Φ MS    3Φ ICTP Main Switch = 4Nos
- 1Φ MS    1Φ ICDP Main Switch = 1Nos
- AC DB    AC Distribution Box = 2No
- Pac      20/25A Power Socket for A/C = 11Nos
- UPS MCB BOX    UPS MCB Box for SAS = 1No
- VDU      Video Display Unit Connection = 4No
- L         Light switch = 35 Nos

- F         Fan/Ex. Fan switch = 17 Nos
- R         Regulator = 11Nos
- P         16A Power Socket = 9Nos
- p         6A Power Socket = 28Nos
- S         16A Switch = 20Nos
- s         6A Switch = 28Nos
- ⊙         Junction Box with connector strips = 14Nos

- 4 x 16 Sq.mm Aluminium Power cable = 79
- 4 x 6 Sq.mm single core multistrand copper conductor = 44
- 2 x 4 Sq.mm single core multistrand copper conductor = 229
- 2 x 2.5 Sq.mm single core multistrand copper conductor = 167
- 2 x 6 Sq.mm single core multistrand copper conductor = 26
- Earth Pits = 2Nos

## SECTION-IV

### ABSTRACT OF TERMS AND CONDITIONS

**(This Performa should be filled with all information and should be furnished along with the tender)**

1	Tender cost deposited in shape of Cash/Bank Draft	Yes/No
a	Name of the Bank(For Bank Draft):	
b	Amount deposited:	
c	Money Receipt No. & Date / Bank Draft No. & Date:	
2	Validity of the bid in days from the date of opening of tender(As per Specification):	
3	Nature of Price:	Firm/Variable
4	Terms of payment (Whether agreeable to OPTCL terms:	Yes/No
5	Security-cum-Performance Guarantee (Whether agreeable to OPTCL	Yes/No
6	Penalty (Whether agreeable to OPTCL terms):	Yes/No
7	List of orders executed/in hand for similar work in OPTCL/state PSU:	Yes/No
8	Copy of Electrical licence :	Yes/No
9	Copy of PAN furnished:	Yes/No
10	Copy of GST Registration:	Yes/No
11	Guarantee (Whether agreeable to OPTCL terms):	Yes/No
12	Delivery period (Whether agreeable to OPTCL terms):	Yes/No
13	Bid Security Declaration Form (Furnished)	Yes/No
14	No relation certificate (Furnished)	Yes/No
15	Agreed to adhere time period as per the contract:	Yes/No
16	Agreed to all terms and conditions of the tender specification:	Yes/No

Date:

Signature of Bidder with Seal

Place:

## SECTION-V

### Schedule of Price for NIT- No- 02/2022-23

SL. NO.	DESCRIPTION OF ITEMS	UNIT	QNTY	RATE	AMOUNT IN RS.
<b>A</b>	<b><u>INTERNAL WIRING.</u></b>	-	-		
1	Recessed wiring to light point / first light of group control/ call bell point/ exhaust fan point /wall fan point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metallic PVC conduit with 6 Amp, 250 V clip in type <b>Modular switch</b> ISI marked mounted on G.I modular box with face plate & cover of suitable size, with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accessories and connection as per direction of Engineer in Charge. (Make of wire-Finolex/Havells/ V-Guard/ HPL) & (Make of Modular Box-Schneider-Oppela / Legrand - Artior/ Roma- Urban +/-Havells)				
(a)	Single light/ex fan point controlled by one 6A switch or first light point or group control <b>Group-A</b>	Points	18		
(b)	Single light/ex fan point controlled by one 6A switch or first light point or group control <b>Group-B</b>	Points	14		
(c)	Single light/ex fan point controlled by one 6A switch or first light point or group control <b>Group-C</b>	Points	10		
2	Recessed wiring to <b>secondary light point</b> looped from primary light point with 1.5sqmm FR PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metallic PVC conduit with 1.5sqmm FR PVC insulated single core multistrand copper conductor for running earth including 3 plate ISI marked Ceiling rose with all accessories & connection as per direction of Engineer in charge. (Make of wire-Finolex/Havells/ V-Guard/ HPL)	Nos.	41		
3	Recessed wiring for <b>5 / 6 amp socket outlet on existing switch board</b> with 6Amp, 250 V clip in type modular switch ISI marked mounted on G.I moular box with face plate & cover of suitable size including all accesories and connection as per direction of Engineer in Charge. (Make- Havells/ Legrand/Schneider)	Nos.	25		
4	Recessed wiring for <b>5 / 6 amp socket outlet on separate board</b> 250 V clip in type switch ISI marked mounted on G.I moular box with face plate & cover of suitable size , with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge. (Make- Havells/ Legrand/Schneider)	Nos.	7		
5	Recessed wiring for <b>6 pin 16 amp socket outlet with 16Amp</b> , 250 V clip in type switch ISI marked mounted on G.I moular box with face plate & cover of suitable size including all accesories and connection as per direction of Engineer in Charge. (Make- Havells/ Legrand/Schneider)	Nos.	9		
6	Recessed wiring for <b>A.C socket outlet</b> with 20/25A modular plug socket including all accesories and connection as per direction of Engineer in Charge. (Make- Havells/ Legrand/Schneider)	Nos.	11		



7	Supplying and installation of <b>32A DP Switch for AC</b> modular type of reputed make as approved suitable for 240V including all accessories and connection as per direction of Engineer in Charge. (Make- Havells/ Legrand/Schneider)	Nos.	11		
8	Supply of <b>2 x 1.5</b> sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor earth wire as required for recessed wiring to submain with 10% extra. Make of wire-Finolex/Havells/ V-Guard/ HPL)- <b>For subsequent point of group control</b>	Mtrs	504.00		
9	Supply of <b>2 x 2.5</b> sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required for recessed wiring to submain with 10% extra. Make of wire-Finolex/Havells/ V-Guard/ HPL) - <b>From BDB to Switch Board &amp; 16A socket points</b>	Mtrs	184.00		
10	Supply of <b>2 x 4</b> sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 1 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required for recessed wiring to submain with 10% extra. Make of wire-Finolex/Havells/ V-Guard/ HPL)- <b>From BDB's to A/C outlets</b>	Mtrs	252.00		
11	Supply of <b>2 x 6</b> sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 1 x 4.0 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required for recessed wiring to submain with 10 % extra. Make of wire-Finolex/Havells/ V-Guard/ HPL)- <b>For BDB-1Φ MS</b>	Mtrs	29.00		
12	Supply of <b>4 x 6</b> sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metallic heavy duty PVC conduit 1.6 mm thick along with 2 x 4.0 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required for recessed wiring to submain with 10 % extra. Make of wire-Finolex/Havells/ V-Guard/ HPL)- <b>For 3ΦMS to BDB, BDB to 3ΦMS &amp; 3ΦMS to MCB</b>	Mtrs	48.40		
13	Supply & fixing of GI junction box with connector strips for jointing of wire.	Each	14		
			<b>Sub-total</b>		
<b>B</b>	<b>PANEL (Supply)</b>				
14	Supply and Fixing of 125A, 415V ICTPN main switch with three fuse unit on porcelain base, approved make to be fixed on metallic board of appropriate sizes provision of earth screw with 3 mm thick bakelite/phenolic laminated front cover fixed with steel screws complete with all accessories and connections including earth connection. (Make- HAVELS/C & S /SEIMENS / LEGRAND / ANCHOR)	Each	1		

15	Supply and Fixing of 63A, 415V ICTPN main switch with three fuse unit on porcelain base, approved make to be fixed on metallic board of appropriate sizes provision of earth screw with 3 mm thick bakelite/ phenolic laminated front cover fixed with steel screws complete with all accessories and connections including earth connection. (Make- HAVELS/C &S /SEIMENS / LEGRAND / ANCHOR)	Each	2		
16	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad readymade, single door type powder coated Modular type TPN busbar distribution board suitable for 4 way 125A, 415 V, 3 phase, 4 wire 50 Hz AC supply complete with cable glands with bottom detachable plates for arrangement with bottom cable entry, cable alleys, interconnections etc. (Make of BDB-L&T/ Legrand/ANCHOR/ HAVELS)	Each	1		
17	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal modular type powder coated wall mounted MCB DB suitable for 240 V, 1-phase, 50 Hz AC Supply complete with bottom detachable plate for interconnections etc.(But without MCB/ RCCB/ ISOLATOR) (Legrand/L&T/ Schneider) .				
(i)	10 Way Double Door, Horizontal type	Nos.	3		
(ii)	8 Way Double Door, Horizontal type	Nos.	1		
(iii)	2 Way Double Door, Horizontal type	Nos.	3		
18	Supply and fixing of 5Amp to 32A rating 240V "B" series MCB suitable for lighting and other loads of the following poles in the exiting MCB DB ISI marked complete with connections testing and commissioning etc. as required.(make-HPL/ Havells/ Legrand /L&T/C&S)				
(i)	32 Amp DP MCB	Nos.	14		
(ii)	16 Amp DP MCB	Nos.	5		
(iii)	6 Amp SP MCB	Nos.	20		
			<b>Sub-total</b>		
<b>C</b>	<b>CABLE</b>				
19	Laying of LT Aluminium Power Armoured/Unarmoured cable up to 25 Sqmm in trench including fixing of cable with terminal connections both at equipment and panels with supply and fixing of aluminium lugs, brass glands with crimping and clamps made of aluminium, fixing of cables on the trays with bolts and nuts, supply and fixing of PVC bend and pipes (where required) / Excavation and laying Under ground where required.				
(i)	4C x 16 sq.mm	Rmt	43		
			<b>Sub-total</b>		
<b>D</b>	<b>FITTINGS &amp; FIXTURE</b>				
20	Supply and fixing of BEE 5 star rated, 1200mm sweep high speed ceiling fan including the down rods of standard length (upto 50 cm). make-Usha/Orient/V-Guard/Khaitan/Havells/Crompton/Almonard	Nos	11		
21	Supply and fixing of Modular fan regulator (Cona/Anchor/ Usha/Bajaj/ Havells/Crompton/Almonard)				
(i)	Electronics step type Regulator (Modular type)	Nos	11		
22	Supply & fixing of 9" Exhaust fan of BEE 5 star rated for office toilet	Nos	3		
23	Supply & fixing of 16" Industrial Exhaust fan of BEE 5 star rated for Battery room	Nos	2		
24	Supply & fixing of LED Tube light (20Watt) with fittings	Nos	20		

25	Supply & fixing of BEE 5 star rated LED Bulb (9Watt)	Nos	4		
26	Supply & fixing of BEE 5 star rated Street light fittings with 20 Watt LED bulb	Nos	18		
27	Calling Bell (Wireless)	Nos	1		
			<b>Sub-total</b>		
<b>E</b>	<b>EARTHING</b>				
28	Supply and fixing Earthing with G.I earth pipe 3mtr. Long 40mm dia ISI marked including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with Bentonite treatment (100Kg each).	Set	2		
	Standard earthing as per Govt. Specification				
29	Supplying and laying 25 mm x 6 mm G.I earth strip ISI marked at 0.5 meter below ground level as strip earth electrode including soldering etc. as required.	Rmt	1		
30	Supplying and laying 25 mm x 5 mm G.I earth strip ISI marked on surface or in recess for connection etc as required.	Rmt	20		
			<b>Sub-total</b>		
<b>F.</b>					
31	Dismantling of existing old open wiring	LS	1		
32	TOTAL (Sl No. 1 to 31) A+B+C+D+E+F				
33	GST if any (to be specified)				
34	Grand Total (sl no. 32 to 33) in figure				
35	Grand Total (sl no. 32 to 33) in words				

Date:  
Place:

Signature of bidder with seal

## **SECTION-VI**

### **BID SECURITY DECLARATION FORM**

To

The Dy. General Manager (Elect.)  
EHT (O&M) Division, Bhanjanagar, OPTCL

Sub:- Tender Specification No-\_\_\_\_\_

Sir,

1. Having examined the above specification together with terms & conditions referred to therein \* I/We the undersigned hereby offer to execute the works covered therein complete in all respects as per the specification and General conditions, at the rates, entered in the attached contract schedule of prices in the Tender.
2. \* I/We hereby undertake to execute the works within the time specified in the Tender.
3. \* I/We hereby guarantee the technical particulars given in the Tender supported with necessary reports from concerned authorities.
4. \* I/We certify to have submitted the bid electronically/by post by remitting \*cash/money order/D.D./remitting the cost of tender, herewith and this has been acknowledged by your letter/ money receipt No. \_\_\_\_\_ Dated, \_\_\_\_\_
5. In the event of Tender, being decided in \*my/our favour, \* I/We agree to furnish the D.D/Composite B.G. in the manner, acceptable to ODISHA POWER TRANSMISSION CORPORATION LTD., and for the sum as applicable to \*me/us as per clause-10 of section-II of this specification within 15 days of issue of letter of intent/purchase order/work order failing which \*I/We clearly understand that the said letter of Intent/Purchase order/Work order will be liable to be withdrawn by the purchaser.

#### **Bid Security Declaration**

\* I/We further declare that, we will not modify/withdraw the bid after opening of tender during its validity period and in such an event we agree that OPTCL would be free to debar us from participating in the tenders floated by OPTCL for a period of three years.

Signed this \_\_\_\_\_ day of \_\_\_\_\_ 2022

Yours faithfully

Signature of the Bidder with seal of the company

[This form should be dully filled up by the Bidder and enclosed at the time of submission of tender.]

\* (Strikeout whichever is not applicable)

## **SECTION – VII**

### **NO RELATION CERTIFICATE**

THIS IS TO CERTIFY THAT I / WE HAVE NO RELATIONSHIP WITH ANY OF THE EMPLOYEES IN THE RANK OF ASST. MANAGER AND ABOVE SERVING UNDER OPTCL, ODISHA. IN CASE THE ABOVE STATEMENT IS FOUND TO BE FALSE, I / WE MAY BE DEBARRED FROM ANY PAYMENT DUE ON ACCOUNT OF THIS CONTRACT.

SIGNATURE OF THE BIDDER

**END OF TENDER SPECIFICATION**