



**SBI INFRA MANAGEMENT SOLUTIONS PVT. LTD.**

(A Wholly Owned Subsidiary of SBI)

**CIRCLE OFFICE:  
4TH FLOOR, SBI LOCAL HEAD OFFICE  
III/1-PANDIT J N MARG, KHARAVELA NAGAR  
BHUBANESWAR, ODISHA-751001**

**PRICE BID**

**TENDER DOCUMENT FOR ELECTRICAL & LAN CABLING WORK OF SBI BUTUPALI  
ADB NEW PREMISES, PHULBANI**

TENDER REF NO: SBIIMS/BHU/2018-19/043    DATED 29.11.2018

*(Bank's empanelled electrical contractor for electrical work under category- L.T.-E & above of SBI  
Bhubaneswar Circle )*

**NAME OF THE TENDERER:** \_\_\_\_\_

**Address**

\_\_\_\_\_  
\_\_\_\_\_

**GSTN:** \_\_\_\_\_

**BILL OF QUANTITIES FOR ELECTRICAL & LAN CABLING WORKS OF SBI BUTUPALI ADB,  
PHULBANI.**

| Sl. No  | DESCRIPTION   | QTY | UNIT | RATE<br>(in Rs) | AMOUNT<br>(in Rs) |
|---|---|-----|------|-----------------|-------------------|
| <b><u>PART - I. MAIN PANEL AND DISTRIBUTION BOARD</u></b> |   |     |      |                 |                   |
| 01)   | Supplying, fixing, testing & commissioning of L.T indoor wall mounted panel board made out of 18 gauge CR sheet properly painted with 2 coats of primer & 2 coats of enamel paint having compartmental arrangement with hinged door for each equipments including provision for cable/conduit entry, earthing stud & duly factory wired with following equipments & making good to the damages caused etc all complete. | 1   | set  |                 |                   |
|   | <b><u>Incoming:</u></b>   |     |      |                 |                   |
|   | <b><u>Rating of MCCB(1 no.):</u></b><br>Rated Current – <b>100A</b> ;<br>Short Circuit Breaking Capacity – 30kA;<br>Rated Voltage – 415V;<br>Numbers of Pole – 4;<br>Release type – Thermal Magnetic Release;<br>Protection – Over Current/Short Circuit;<br>Ref. Standard – IEC: 60947-1/2, IS: 13947-1/2.   |     |      |                 |                   |
|   | 63A 4 pole on-load change over - 1no.   |     |      |                 |                   |
|   | 100A Bus-Bar – 2 set  |     |      |                 |                   |
|   | Multi function Digital Meter- 1 no. and phase indicating lamps.   |     |      |                 |                   |
|   | <b><u>Outgoing:</u></b>   |     |      |                 |                   |
|   | 63A, 4P MCCB – 1 No's (A.C)   |     |      |                 |                   |
|   | 40A, 4P MCB – 2 No's (UPS and spare)  |     |      |                 |                   |
|   | 25A, DP MCB – 2 No's (CDB)  |     |      |                 |                   |
|   | 20A, DP MCB – 6 No's (LDB, RDB, e-corner, motor, kitchen & spare)   |     |      |                 |                   |
|   | 10/16A DP ELCB – 1No's (Timer with Contractor for Glow Signboard)   |     |      |                 |                   |
| 02)   | Supplying & fixing <b>100A HRC fuse 3 No's</b> in enclosure with lock & key arrangements.   | 01  | Set  |                 |                   |
| 03)   | Supply, fixing, testing & commissioning of company made MCB distribution board & cover having provision of neutral & earthing stud, holes for cable/conduit entry with following MCBs & making good to the damages caused etc. all complete.  |     |      |                 |                   |
|   | LIGHT BDB having  |     |      |                 |                   |
|   | Incoming : 20A DP MCB - 1 No  |     |      |                 |                   |
|   | Outgoing : 6A SP MCB - 10 No's  | 2   | Set  |                 |                   |

|                  |   |     |       |  |  |
|------------------|---|-----|-------|--|--|
| 04)              | Supply of all required materials & Labour for wiring to sub-main with following size 1100 V grade PVC insulated single core multi-strand copper wire in <b>surface/recessed steel conduit</b> & making good to the damages caused etc all complete.   |     |       |  |  |
| a                | ( 2 X 6 sqmm + 1 X 6 sqmm ) from main panel to LIGHT Dbs  | 45  | Mtr   |  |  |
| b                | ( 2 X 2.5 sqmm + 1 X 2.5 sqmm ) from Light DBs to switch boards etc .   | 420 | Mtr   |  |  |
| 05)              | Providing electrical wiring for light/ fan/ exhaust fan/ 5 Amp plug point by using ( 2 X 1.5 sqmm + 1 X 1.5 sqmm ) PVC insulated 1100 volt grade multistrand copper wire in <b>surface/recessed steel conduit</b> with necessary saddles, clamps, bends, holder, ceiling rose, clip in type modular switches & sockets etc including required modular switch board & cover. |     |       |  |  |
| a                | Single Light/fan/exhaust fan point controlled by one 6A clip in modular type switch.  | 60  | Point |  |  |
| b                | 6A plug point on existing switch board having clip in modular type 1 no 6A switch & 1 no 6A socket.   | 10  | Set   |  |  |
| c                | 6A plug point on separate board having clip in modular type 1 no 6A switch & 1 no 6A socket for wall fan  | 21  | Set   |  |  |
| 06)              | Supply & fixing 2.5 sqmm X 3 core unarmoured flexible cable of 5mtr length with 5 amp 3 pin top connected at one end for power supply to safe room & locker room.   | 2   | Set   |  |  |
| 07)              | Insulated safety Rubber MAT- 2.0mm thickness (as per IS:5424/69)at main panel and UPS room.   | 1   | Set   |  |  |
| 08)              | Supply and fixing of ding-dong calling bell with complete wiring as per direction of engineer in charge   | 1   | No's  |  |  |
| 09)              | Supply and lying earthing with G.I. earth plate <b>600 mm X 600 mm X 6 mm</b> thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of <b>2.7 meter</b> long etc. with charcoal/ coke and salt as required.  | 2   | Set   |  |  |
| 10)              | Supply & laying 19 mm X 3 mm G.I flat from G.I pipe earthing to Main Panel.   | 30  | Mtr   |  |  |
| 11               | <b>Supply &amp; laying 1.1 kV, 4 Core, 50 sqmm,</b> aluminium conductor, XLPE insulated, armoured cable.  | 25  | Mtr   |  |  |
| <b>SUB TOTAL</b> |   |     |       |  |  |

**PART - II. A.C WIRING WORK**

|                  |  |    |     |  |  |
|------------------|--|----|-----|--|--|
| 01)              | Supply of all required materials & Labour for wiring to submain with following size 1100 V grade PVC insulated three core multistrand copper wire in <b>surface/recessed steel conduit</b> & making good to the damages caused etc all complete. |    |     |  |  |
|                  | ( 4 X 10 sqmm + 2 X 6 sqmm ) from main panel AC MCCB to ACDB.  | 25 | Mtr |  |  |
|                  | ( 4 X 6 sqmm + 2 X 6 sqmm ) from ACDB to 3.0TR AC starter 4P MCB's.  | 60 | Mtr |  |  |
|                  | ( 2 X 6 sqmm + 1 X 6 sqmm ) from ACDB to 1.5TR AC starter DP MCB's.  | 55 | Mtr |  |  |
|                  | ( 2 X 4 sqmm + 1 X 4 sqmm ) from ACDB to 1.0TR AC starter DP MCB's.  | 60 | Mtr |  |  |
| 02)              | Supply & installation of metal clad socket with 20A 4P MCB for 3.0 TR A.C  | 3  | Set |  |  |
| 04)              | Supply & installation of metal clad socket with 16A DP MCB for 1.5 TR A.C  | 2  | Set |  |  |
| 05)              | Supply & installation of metal clad socket with 10A DP MCB for 1.0 TR A.C  | 2  | Set |  |  |
| 06)              | Supply & installation of ACDB (approved make): Incomer: 63A four pole MCB- 1no.; Out-going: 20A 4P MCB – 3 no's & 20A DP MCB- 4 no.s.  | 1  | Set |  |  |
| <b>SUB TOTAL</b> |  |    |     |  |  |

**PART - III. COMPUTER WIRING WORKS**

|     |   |       |     |  |  |
|-----|---|-------|-----|--|--|
| 01) | Supply, fixing, testing & commissioning of company made MCB distribution board & cover having provision of neutral & earthing stud, holes for cable/conduit entry with following MCBs & making good to the damages caused etc. all complete.      |       |     |  |  |
| a.  | Supplying & fixing UPS Input DB having 40A, 4P MCB – 02 No's (main & spare)   | 01    | Set |  |  |
| b.  | Supplying & fixing UPS Output DB having 50A, DP MCB – 01 No's; 32A, DP MCB – 2no's  | 01    | Set |  |  |
| c.  | Supplying & fixing Computer DB having Incoming : 32A DP MCB - 1 No<br>Outgoing : 6 SP MCB -10 No's  | 2     | Set |  |  |
| d.  | Supplying & fixing Raw Power BDB having Incoming : 25A DP MCB - 1 No<br>Outgoing : 6 SP MCB - 10 No's   | 1     | Set |  |  |
| 02) | Supply of all required materials & Labour for wiring to submain with following size 1100 V grade PVC insulated single core multistrand copper wire in <b>surface/recessed steel conduit</b> & making good to the damages caused etc all complete. |       |     |  |  |
| a.  | ( 4 X 6 sqmm + 2 X 6 sqmm ) from main panel to UPS Input DB.  | 35.00 | Mtr |  |  |

|                  |   |        |     |  |  |
|------------------|---|--------|-----|--|--|
| b.               | ( 2 X 6 sqmm + 1 X 6 sqmm ) from main panel to Raw Power DB & UPS to UPS Output DB, UPS Output DB to CDB.   | 55.00  | Mtr |  |  |
| c.               | ( 2 X 2.5 sqmm + 1 X 2.5 sqmm ) from CDB to UPS power point & Raw Power DB to Raw Power point.  | 480.00 | Mtr |  |  |
| 03)              | Supplying & fixing computer terminal board of approved make having clip in modular type 2 no's 6A switch, 2 no's 6A socket socket & 1 no indicator (UPS Power).   | 14.00  | Set |  |  |
| 04)              | Supplying & fixing computer terminal board of approved make having clip in modular type 3 no's 6A switch, 3 no's 6A socket socket & 1 no indicator (Raw Power).   | 12.00  | Set |  |  |
| 05)              | Supply and laying earthing with copper earth plate <b>600 mm X 600 mm X 3 mm</b> thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and <b>watering pipe of 2.7 meter</b> long etc. with charcoal/ coke and salt as required. | 1      | set |  |  |
| 06)              | Supply & laying <b>19 mm X 3 mm Copper flat</b> from copper plate earthing to UPS DB.   | 15     | Mtr |  |  |
| <b>SUB TOTAL</b> |   |        |     |  |  |

**PART- IV. FITTING & FIXTURE.**

|                  |   |    |      |  |  |
|------------------|---|----|------|--|--|
| 1)               | Supply & fixing 18W recess mounted LED square/round down lighter of approved make.  | 4  | No's |  |  |
|                  | Supply & fixing 15W recess mounted LED square/round down lighter of approved make.  | 15 | No's |  |  |
|                  | Supply & fixing 9W recess mounted LED square/round down lighter of approved make.   | 4  | No's |  |  |
|                  | Supply & fixing of 12W LED bulb with holder arrangement of approved make  | 2  | No's |  |  |
| 2)               | Supply & fixing 36W high lumen output LED recess mount/suspended slim panel (2x2) of approved make.                       | 9  | No's |  |  |
| 3)               | Supply & fixing 20W wall mounted batten LED tube light set of approved make.  | 28 | No's |  |  |
| 4)               | Supply & fixing 50W LED street light of approved make (with 3x2.5sq.mm service cable/wire and control switch arrangement) | 3  | No's |  |  |
| 5)               | Supply & fixing 400mm sweep wall mounted fan of approved make.  | 21 | No's |  |  |
| 6)               | Supply & fixing 1200mm ceiling fan of approved make.  | 6  | No's |  |  |
| 7)               | Supply & Fixing 225mm swiipe exhaust fan of approved make.  | 5  | No's |  |  |
| <b>SUB TOTAL</b> |   |    |      |  |  |

**PART-V. LAN CABLING & TELEPHONE WIRING WORK.**

|                  |   |     |     |  |  |
|------------------|---|-----|-----|--|--|
| 1)               | Supply & fixing information outlet box suitable for RJ 45 terminals including PVC mounting box & top cover ( Make D-LINK, AMP, HCL )  | 24  | Set |  |  |
| 2)               | Supply & laying E-CAT 6 UTP cable in PVC conduit including termination on either end. ( Make D-LINK, AMP, HCL )   | 700 | Mtr |  |  |
| 3)               | Supply & fixing 9" 6 U wall mounted modem rack with power distribution box, cable manager, cantilever self, fan & mounting kit etc all complete. ( Make Valrack, Comrack, HCL ) | 01  | Set |  |  |
| 4)               | Supply & fixing 24 port DATA SWITCH( Make D-LINK, AMP, HCL )  | 01  | No  |  |  |
| 5)               | Supply & fixing 24 port PATCH PANEL ( Make D-LINK, AMP, HCL )   | 01  | No  |  |  |
| 6)               | Supply & fixing 1 Mtr long E-CAT 6 PATCH Cord ( Make D-LINK, AMP, HCL )   | 24  | No  |  |  |
| 7)               | Supply & fixing 2 Mtr long E-CAT 6 PATCH Cord ( Make D-LINK, AMP, HCL )   | 24  | No  |  |  |
| 8)               | Supply & laying EPBAX wiring for telephone.   | 200 | Mtr |  |  |
| 9)               | Supply and fixing of telephone jack   | 3   | No  |  |  |
| <b>SUB TOTAL</b> |   |     |     |  |  |

|                    |  |
|--------------------|--|
| <b>TOTAL (Rs.)</b> |  |
|--------------------|--|