

शुद्धिपत्र

**CORRIGENDUM**

कोटेशन का पुनः आमंत्रण

**RECALL OF QUOTATION**

**NAME OF WORK:** Providing Electrical Distribution for G1 Lab, Frog Facility and Chemistry G1 meeting room IISER Pune.

**विषय:** कोटेशन का पुनः आमंत्रण

**SUBJECT:** RECALL OF QUOTATION

एनआईक्यू नंबर: ५४(२)/आईआईएसईआर/पुणे/२०२२-२३/१५९ एबंग १६७ दिनांक १४ जून २०२२ एबंग दिनांक २४ जून २०२२

NIQ NUMBER: 54(2)/IISER/Pune/2022-23/159 & 173 dated 14 June 2022 & 24 June 2022 respectively

इसके साथ संलग्न उपर्युक्त कोटेशन को संलग्न करने की संशोधित तिथि के साथ वापस लिया जाता है। बोलीदाता इसे नोट करेगा और तदनुसार बोली लगाएगा।

Above mentioned quotation enclosed herewith is recalled with revised date of submission as appended. Bidder shall take note of it and quote accordingly.

| Call<br>आमंत्रण            | Date of submission<br>प्रस्तुत करने की तारीख |                             |
|----------------------------|----------------------------------------------|-----------------------------|
|                            | Existing / मौजूदा                            | Revised / संशोधित           |
| First Call / पहला बुलावा   | 14 June 2022/१४ जून २०२२                     | NA/एन.ए.                    |
| Second Call / दूसरा बुलावा | 24 June 2022/२४ जून २०२२                     | ३० जून २०२२                 |
| Third Call/ तीसरा बुलावा   | 14 July 2022/१४ जुलाई २०२२                   | 21 July 2022/ २१ जुलाई २०२२ |

बोलीदाता को एनआईक्यू दस्तावेज़ के अनुसार हस्तलिखित कोटेशन भरना होगा और आईआईएसईआर पुणे को ऊपर निर्दिष्ट अनुसार नियत तारीख और समय में जमा करना होगा।

Bidder to fill handwritten quotation as per NIQ document and submit to IISER Pune in due date and time as specified above.

एनआईक्यू दस्तावेज़ के नियम और शर्तों और अनुबंध-ए बीओक्यू में कोई बदलाव नहीं।

No change in 'Terms and conditions and Annex-A BOQ' of NIQ document.

बोलीदाता से अनुरोध है कि इसे नोट करें और तदनुसार बोली लगाएं। ऊपर निर्दिष्ट कोटेशन जमा करने की तिथि को १५:३० बजे बोलियां खोली जाएंगी।

Bidder are requested take note of it and quote accordingly. Bids will be opened on 15.30 Hrs on the date of submission of quotation specified above.

जारी करने की तिथि: १४ जुलाई २०२२

Date of Issue: 14 July 2022

  
अधीक्षण अभियंता

Superintending Engineer,  
आईआईएसईआर पुणे  
IISER Pune



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE

(An Autonomous Institution, Ministry of Education, Govt. of India)

IISER Pune Campus, Dr. Homi Bhabha Road, Pune-411 008.

Ph No 020 2590 8001 Fax 020 2588 7499 / 2589 8022

No: 54(2) /IISER/Pune/2022-23/

Dated 14 / 07 / 2022

**NOTICE INVITING QUOTATION**

Sealed quotations are hereby invited by the undersigned on behalf of the Director, IISER Pune for the work mentioned below up to 3.00 PM on 21/07/2022 from approved and eligible contractors registered with anyone of CPWD, Maharashtra State PWD, Railways, and MES in appropriate category for electrical (B&C) works. The quotations will be opened at 3.30 PM on the same day.

**NAME OF WORK:** - Providing Electrical Distribution for G1 Lab, Frog Facility and Chemistry Gr fl meeting room, IISER Pune.

Issue to –

Name and address of the agency –

**Terms and Conditions:**

- 1) The applicant should be approved and eligible contractors registered with anyone of CPWD, Maharashtra State PWD, Railways, MES in appropriate category for electrical (B&C) works. Applicant should submit attested or notarized copies of the experience certificate for the work completed within last three years from client department with copy of work order/LOI and completion certificate to along with the quotation. Bidders not meeting the minimum eligibility criteria shall be summarily rejected.
- 2) Time period for completion of work shall be 15 days from the date of placing the work order by IISER Pune. The act of backing-out after opening of quotation will debar such agencies for participating in the future quotations of IISER PUNE. Bidder may e-mail queries on [maintenance@iiserpune.ac.in](mailto:maintenance@iiserpune.ac.in) or submit to IISER PUNE office in hard copy on all working days one day before submission date of quotation as specified above.
- 3) Notice Inviting Quotation (NIQ) document may be obtained from IISER PUNE at 121, Engineering Section, Main Building, IISER PUNE Campus, Dr. Homi Bhabha Road, Pashan, Pune - 411008 between 10 AM to 4 PM on all working days before date of submission. Applicant may submit quotation by obtaining NIQ document from IISER PUNE website at <http://www.iiserpune.ac.in/links/tender-notices-and-eoi>
- 4) All agencies need to submit their quotation in hard copy in sealed envelope on and before 3 PM on 21/07/2022. Quotation received after the date & time specified above shall not be accepted. Any delays, postal delay etc. will not be entertained. Agency should quote for all the items in the BOQ. Rates quoted in words shall be treated as Final for deciding L1 bidder. The bid shall

be submitted in the original bid document (as issued by the IISER, Pune or Webcopy super scribing the name of work. Quoted rates shall be valid for 60 days from the date of opening of quotations. Rates shall be quoted in hand writing at the spaces provided in NIQ document.

- 5) Quotations will be opened on the same day at 3.30 PM in the presence of agency or their authorized representatives, if any. The offer of the agency should be commercially clear including acceptance of all terms and conditions of this Quotation by the agency. IISER Pune reserves the right to accept or reject the quotation/s without assigning any reasons.
- 6) Quotations submitted with any conditions shall be treated as conditional quotations and shall be summarily be rejected by IISER PUNE.
- 7) Quoted rates should be inclusive of cost of all the materials, labour cost, GST, all taxes, octroi, duties, cost of sample and fees towards testing of materials in labs, royalties etc. complete. Nothing extra shall be paid separately. No, Bidder shall contact the IISER, Pune on any matter relating to his bid from the time of the bid opening to the time of issue of work order. Any effort by the Bidder to influence the IISER's bid evaluation, bid comparison or contract award decisions, may result in the rejection of his bid.
- 8) All approved makes shall be as specified in BOQ and as per CPWD specifications, agency should put-up technical data and obtain prior approval on makes of various materials of IISER PUNE before taking-up work. The successful agency shall make his own arrangement for all Tools & tackles for work etc complete in view of completion of work. Electricity shall be provided free of cost to agency at one source, agency should make own arrangement to safely tap of power from source to work location. No advance payment shall be made by IISER Pune. Quoted rates should be including GST, TDS and other applicable taxes. Income Tax and labour cess will be deducted from the bills of the work.
- 9) Specification for the work to be carried out as per BOQ, latest CPWD specification, IS specifications & as per instruction of IISER PUNE whenever specification CPWD/ IS specification are not available.
- 10) The contractor shall ensure that minimum wages should be paid to the labours and employees in accordance with labour laws. All the safety measures shall be followed by the L1 agency as per prescribed norms during execution of work with all the necessary safety tools etc. Executing Agency shall be sole techno-commercially responsible for the strict adherence of safety norms and allied compensations etc.
- 11) Agency should submit measurements and abstract sheets to IISER PUNE for the payments within 30 days from completion of work.

**Superintending Engineer IISER Pune**

Schedule of Quantity :

Date : 23-06-2022

**Name of work : Providing Electrical distribution for G1 lab, Frog facility and Chemistry Gr fl meeting room, IISER Pune**

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | No.of Qty | Units | Rate ( In words and figure ) | Amount |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|------------------------------|--------|
| 1     | Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 15/16 A switch                                                                                                                                                                                                                                                                                                                             | 6         | Each  |                              |        |
| 2     | Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 16 A socket                                                                                                                                                                                                                                                                                                                                | 6         | Each  |                              |        |
| 3     | Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 6 A switch                                                                                                                                                                                                                                                                                                                                 | 22        | Each  |                              |        |
| 4     | Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 6 A socket                                                                                                                                                                                                                                                                                                                                 | 22        | Each  |                              |        |
| 5     | Supply, Installation, Testing & Commissioning of single UTP CAT6 I/O of specified make with different colours for differentiating Data, Voice & Wifi and other services inclusive of termination of UTP CAT6 cable at each I/O as required as per drawing. The IO shall be mounted inside singlex or duplex or quad faceplate as applicable and using suitable backbox assembly. It shall be as per technical specifications with all the necessary mounting accessories as required for complete installation. | 10        | Each  |                              |        |



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Date : 23-06-2022

**Name of work : Providing Electrical distribution for G1 lab, Frog facility and Chemistry Gr fl meeting room, IISER Pune**

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | No.of Qty | Units | Rate ( In words and figure ) | Amount |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|------------------------------|--------|
| 6     | Supplying and fixing following Modular base & cover plate ( Clip on support for mounting switches etc) on existing DLP U PVC trunking etc. as required. 4 module 85 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 26        | Nos   |                              |        |
| 7     | Supplying and fixing following Modular base & cover plate ( Clip on support for mounting switches etc) on existing DLP U PVC trunking etc. as required. 1 module 85 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10        | Nos   |                              |        |
| 8     | Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20        | Each  |                              |        |
| 9     | Supply & installation of surface mounted DLP U- PVC adaptable trunking raceways, fabricated out of U-PVC to Off-White or approved shade as per IS 733 of thickness 2.0mm for the base and sides with removable covers, complete with necessary bends, suitable sized junction boxes, internal angle, external angle, flat 90 degree angle , end caps , separators and tees etc, Complete. (For every 1mtr distance cable tag has to be provided for each circuit in the raceways - as more that 1C FRLS copper wire is required for 1 Circuit) PVC RACEWAYS ( Along the wall), DLP U- PVC adaptable trunking . Size: 105x 50mm PVC Raceways for Power & Data with above specifications | 50        | Meter |                              |        |



Schedule of Quantity :

Date : 23-06-2022

**Name of work : Providing Electrical distribution for G1 lab, Frog facility and Chemistry Gr fl meeting room, IISER Pune**

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                               | No.of Qty | Units | Rate ( In words and figure ) | Amount |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|------------------------------|--------|
| 10    | Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 12 way (12), Double door                                                                                       | 3         | Each  |                              |        |
| 11    | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 4 sq. mm + 1 X 4 sq. mm earth wire                                                                                                                                                                                | 200       | Meter |                              |        |
| 12    | Supply of Following size of PVC insulated and PVC sheathed power cable of 1.1 KV grade. 4 X 10 sq.mm Cu. Conductor multistand armoured cable, quoted rates shall be including all taxes,duties,royalties,lead,lift,transportation,GST etc complete.Nothing shall be payable separately. Work shall be executed as per direction of engineer in charge,IISER Pune. Actual cable laid at site shall be measured for payments. | 260       | Meter |                              |        |



Schedule of Quantity :

Date : 23-06-2022

**Name of work : Providing Electrical distribution for G1 lab, Frog facility and Chemistry Gr fl meeting room, IISER Pune**

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                 | No.of Qty | Units | Rate ( In words and figure ) | Amount |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|------------------------------|--------|
| 13    | Supply of Following size of PVC insulated and PVC sheathed power cable of 1.1 KV grade. 1 C x 10 sq.mm Cu. Conductor multistand flexible cable, quoted rates shall be including all taxes,duties,royalties,lead,lift,transportation,GST etc complete.Nothing shall be payable separately. Work shall be executed as per direction of engineer in charge,IISER Pune. Actual cable laid at site shall be measured for payments. | 260       | Meter |                              |        |
| 14    | Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole                                                                                                                                                                      | 20        | Each  |                              |        |
| 15    | Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required. 25 A                                                                                                                                                         | 4         | Each  |                              |        |
| 16    | Supplying and making end termination with brass compression gland and copper lugs for following size of PVC insulated and PVC sheathed / XLPE copper conductor cable of 1.1 KV grade as required. 4 x 10 sq. mm                                                                                                                                                                                                               | 20        | Each  |                              |        |



Schedule of Quantity :

Date : 23-06-2022

**Name of work : Providing Electrical distribution for G1 lab, Frog facility and Chemistry Gr fl meeting room, IISER Pune**

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                           | No.of Qty | Units | Rate ( In words and figure ) | Amount |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|------------------------------|--------|
| 17    | Supplying and fixing 32 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 30 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out<br>let and complete with connections, testing and commissioning etc. as required. | 5         | nos   |                              |        |
| 18    | Supplying and fixing 32 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 30 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out<br>let and complete with connections, testing and commissioningetc. as required.    | 5         | nos   |                              |        |
| 19    | Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required. 1 run of cable                                                                                                                                                                                                    | 775       | Meter |                              |        |
| 20    | Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 25 mm                                                                                                                         | 240       | Meter |                              |        |





Schedule of Quantity :

Date : 23-06-2022

**Name of work : Providing Electrical distribution for G1 lab, Frog facility and Chemistry Gr fl meeting room, IISER Pune**

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                | No.of Qty | Units | Rate ( In words and figure ) | Amount |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|------------------------------|--------|
| 21    | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 4 sq. mm + 4 X 4 sq. mm earth wire | 50        | Meter |                              |        |



Schedule of Quantity :

Date : 23-06-2022

**Name of work : Providing Electrical distribution for G1 lab, Frog facility and Chemistry Gr fl meeting room, IISER Pune**

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | No.of Qty | Units | Rate ( In words and figure ) | Amount |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|------------------------------|--------|
| 22    | <p>FINAL DISTRIBUTION BOARDS. PART - C - DB's &amp; MCB's :<br/> Supply, Installation, Testing and Commissioning of all MCB Distribution Boards (10KA) 415V, made out of 16SWG MS sheet steel enclosure hinged MS cover/over flanged cover (double door) with cutouts for operating the MCB knobs and comprising of phase bus bars, neutrals and earth bus with tapped holes, bakelite phase barriers, pvc insulator shoes for incoming wire, etc complete. DB's shall be mounted by grouting in to the wall/angle to brick wall as required. DB's shall be suitable for Three Phase / single phase loads. Or DB's shall be mounted on suitable M.S. angle and supporting flat. DB's shall include termination lugs etc., all complete. (Note: Local fabrication not permitted. Only factory made boxes shall be installed and all MCB's shall be with 10 KA rating) Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer ) as required 4 way (4 + 18), Double door for UPS DB</p> | 4         | Nos   |                              |        |



Schedule of Quantity :

Date : 23-06-2022

**Name of work : Providing Electrical distribution for G1 lab, Frog facility and Chemistry Gr fl meeting room, IISER Pune**

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                                                 | No.of Qty | Units | Rate ( In words and figure ) | Amount |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|------------------------------|--------|
| 23    | Supplying fixing and wiring Current Operated RCBOs, 240V/415V 50Hz with 10KA short circuit with standing capacity 25amps. double pole, 30/100mA, and Including the cost of all materials, labour, HANDLING OF MATERIALS of equipment and machinery all lead lift, loading etc, complete.RCBO 63 A, 4P, 30mA   | 4         | Nos   |                              |        |
| 24    | Supplying fixing and wiring Current Operated RCBOs, 240V/415V 50Hz with 10KA short circuit with standing capacity 25amps. double pole, 30/100mA, and Including the cost of all materials, labour, HANDLING OF MATERIALS of equipment and machinery all lead lift, loading etc, complete.RCBO 32/40 A 4P, 30mA | 4         | Nos   |                              |        |
| 25    | Supplying fixing and wiring Current Operated RCBOs, 240V/415V 50Hz with 10KA short circuit with standing capacity 25amps. double pole, 30/100mA, and Including the cost of all materials, labour, HANDLING OF MATERIALS of equipment and machinery all lead lift, loading etc, complete.RCBO 32/40A, DP, 30mA | 1         | Nos   |                              |        |

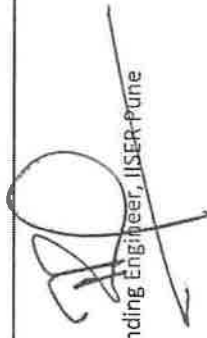


Schedule of Quantity :

Date : 23-06-2022

**Name of work : Providing Electrical distribution for G1 lab, Frog facility and Chemistry Gr fl meeting room, IISER Pune**

| Sl.No | Description of Work / Item(s)                                                                                                                                                                                                                                                            | No.of Qty | Units | Rate ( In words and figure ) | Amount |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|------------------------------|--------|
| 26    | Supplying and fixing, MCB on existing MCB distribution boards using necessary fixing materials and wiring complete as required and Including the cost of all materials, labour , HANDLING OF MATERIALS of equipment and machineries all lead lift, loading etc, complete 32/40 A TPN MCB | 1         | Nos   |                              |        |
| 27    | Supplying and fixing, MCB on existing MCB distribution boards using necessary fixing materials and wiring complete as required and Including the cost of all materials, labour , HANDLING OF MATERIALS of equipment and machineries all lead lift, loading etc, complete 32 A TP MCB     | 10        | Nos   |                              |        |
|       | ( Rate quoted are including of all taxes, labour, transport etc. Nothing shall be paid extra )TOTAL Rs.                                                                                                                                                                                  |           |       |                              |        |
|       | In words :                                                                                                                                                                                                                                                                               |           |       |                              |        |

  
Superintending Engineer, IISER-Pune



# APPROVED MAKELIST FOR ELECTRICAL

| SL.No. | Material                           | USER PUNE | Make                                                                          |
|--------|------------------------------------|-----------|-------------------------------------------------------------------------------|
| 1      | Instrument Transformers            |           | Kappa/Kalpa/Voltamp                                                           |
| 2      | Indicating Meters                  |           |                                                                               |
| 3      | Analog                             |           | Meco/Rishab/AE/HPL                                                            |
| 4      | Digital                            |           | Meco/AE/ Socomed/Conzerv/SECURE/HPL                                           |
| 5      | Indicating Lamps                   |           | GE/SCHNEIDER/ Teknik/L&T/ALTOS, (MULTIPLE LEDs)                               |
| 6      | PLC / Digital Load                 |           |                                                                               |
| 7      | Monitor / Power monitor            |           | Electrex/ Allen Bradley/GE/Schneider/Conzerv                                  |
| 8      | Panel Accessories / Terminal block |           |                                                                               |
| 9      | Timers                             |           | Dirak/Elmax/phoenix/Wago                                                      |
| 10     | TVSS                               |           | L&T/Minilec/ Siemens/ GE/ Schneider                                           |
| 11     | Cable Terminating Kits             |           | ASCO /Schneider/ABB                                                           |
| 12     | Earthing                           |           | Raychem Heat Shrinkable/3M/CCI                                                |
| 13     | MV Switch Boards (LT panels)       |           | Erico/Nimbus/Ashtok                                                           |
| 14     | Moulded Case Circuit Breaker       |           | Accusonic /Load Controls /EHns / Lotus Switchgear / Pace Switch gears/Suvarna |
| 15     | MCB Distribution Board             |           | Electricals                                                                   |
| 16     | Miniature Circuit Breaker          |           | GE (Spectra / Record)/Schneider (COMPACT)/ L & T (0 SINE)/ABB/MDS             |
| 17     | ELCB/RCBO                          |           | Legrand                                                                       |
| 18     | Earth Leakage Relay                |           | Legrand/Schneider/Siemens                                                     |
| 19     | LT Cables (XLPE)                   |           | MK/Legrand /Siemens/Schneider                                                 |
| 20     |                                    |           | MK/Legrand/Siemens/Schneider                                                  |
| 21     |                                    |           | MK/Legrand /Siemens/Schneider                                                 |
| 22     |                                    |           | Polycab/Finolex/CCI                                                           |



|    |                                           |                                                          |
|----|-------------------------------------------|----------------------------------------------------------|
| 18 | PVC Insulated copper wire FRLS            | Polycab/Finox/CCI                                        |
| 19 | Cable Glands                              | Dowells/SMI/CCI/Electrowerke                             |
| 20 | PVC Rigid conduits                        | Precision/DIAMOND/Finox/Polycab                          |
| 21 | M S Conduits                              | BEC/BI,                                                  |
| 22 | Switches, Sockets, Plug etc               | Legrand Mosaic/MK/Schneider/ Anchor(Ave)                 |
| 23 | Ceiling rose / HOLDERS                    | Legrand Mosaic/MK/Schneider/ Anchor(Ave)                 |
| 24 | Metal Halide fitting. Fluorescent CFL/GLs | Bajaj / Wipro / Crompton / Philips                       |
| 25 | LED Light fitting                         | Wipro/Asian/Siska /Philips                               |
| 26 | Ceiling Fan                               | Crompton greaves (high breeze)/ Bajaj Super Model /Usha  |
| 27 | Exhaust Fans                              | Alstom/Almonard/Lisha/CGL                                |
| 28 | Telephone Cables                          | Delton/Finox/ Polycab                                    |
| 29 | Telephone Sockets                         | Anchor /MK (Suitable to mount on Legrand DLP trunking) / |
| 30 | Terminal Junction boxes                   | Elmex                                                    |
| 31 | Power Socket Industrial type              | Legrand Mosaic/MK/Schneider,                             |
| 32 | TV Outlet                                 | Anchor/Legrand/MK                                        |



|    |                                                |                                             |
|----|------------------------------------------------|---------------------------------------------|
| 33 | Cable trays                                    | Storrax/ Skaber/Profab                      |
| 34 | Metallic raceways                              | Storrax/ Skaber/Profab                      |
| 35 | PVC raceways / PVC DLP trucking                | LEGRAND/ MK/Schneider                       |
| 36 | Aluminium raceways                             | LEGRAND/ MK/Schneider                       |
| 37 | Surface / Recess mounted FTL fixtures          | Bajaj / Wipro / Crompton / Philips          |
| 38 | Recess mounted down lighter                    | Bajaj / Wipro / Crompton / Philips          |
| 39 | Wall mounted luminaire                         | Bajaj / Wipro / Crompton / Philips          |
| 40 | Data Cable - CAT-6                             | D-Link/Legrand/Polycab                      |
| 41 | External light fittings/ Garden Light fittings | Bajaj / Wipro / Crompton / Philips          |
| 42 | Base plates and face plates                    | Legrand Mosaic/MK/Schneider/ Anchor(Ave)    |
| 43 | Full loaded patch panels                       | D-link or RR                                |
| 44 | Data patch cords                               | D-link or RR                                |
| 45 | Fire Alarm Control Panel                       | Notifier/ Edward / Bosch / Cooper/ Siemens  |
| 46 | Repeater Panel                                 | Notifier / Edward / Bosch / Cooper/ Siemens |
| 47 | Addressable Smoke Detector                     | Notifier / Edward / Bosch / Cooper/ Siemens |



|    |                                   |                                                                             |
|----|-----------------------------------|-----------------------------------------------------------------------------|
| 48 | Addressable Multi Sensor Detector | Notifier / Edward / Bosch / Cooper/ Siemens                                 |
| 49 | Addressable Heat Detector         | Notifier / Edward / Bosch / Cooper/ Siemens                                 |
| 50 | Addressable Strobe Cum Sounder    | Notifier / Edward / Bosch / Cooper/ Siemens                                 |
| 51 | Addressable Sounder / Hooter      | Notifier / Edward / Bosch / Cooper/ Siemens                                 |
| 52 | Addressable Manual Call point     | Notifier / Edward / Bosch / Cooper/ Siemens                                 |
| 53 | Addressable Monitor Module        | Notifier / Edward / Bosch / Cooper/ Siemens                                 |
| 54 | Addressable Control Module        | Notifier / Edward / Bosch / Cooper/ Siemens                                 |
| 55 | FRLS Armoured Cable               | Finolex /Polycab /RR/KEI/CCI                                                |
| 56 | Other Items                       | Approval of Engineer In charge.                                             |
| 57 | Isolation Transformer             | Numeric Digital system (Novature)/ Neelkanth power solution/Ador powertrans |

