

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

Tel: 0674 2541545; Fax: 0674 2541543; E-mail:jmelectricalophwc@gmail.com web: ophwc.nic.in

#### NOTICE BOARD

REFERENCE NO: - 2121/E.D./OPHWC

DATE.- 8/12/2014

Notice inviting Quotations for Electrical & interior furnishing work of Modern Control Room at Town Police Station, Puri for Nabakalebar Festival.

The OSPH & WC , Bhubaneswar invites Sealed quotations in single cover system from vendors having previous experience in Electrical, Civil & A.C. in coordinate with interior furnishing work for data centre in the Modern Control Room at Town Police Station, Puri. The quotation in prescribed format with detailed scope of work along with terms & conditions of the bid shall available at Office of the Joint Manager , Electrical Division , OSPH & WC , Bhubaneswar within the office hours i.e. 10.00 A.M. to 5 P.M. from 09/12/2014 to 14/12/2014. & also available in official website www.ophwc.nic.in .

The intending vendors having previous experience in same nature of work are requested to submit the sealed quotation along with up to date VAT Registration & clearance certificate, PAN, Income Tax return certificate, proof of having executed similar nature of work in last two years and supported by purchase order & completion certificate. The quotation in prescribed format should reached at the office of the Joint Manager , Electrical Division , OSPH & WC , Bhubaneswar on or before 5.00 PM. on 15.12.2014.

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



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#### **Terms and Conditions**

- 1. The vendor should be a registered firm with Odisha Value Added Tax Authority and should furnish copy of the registration certificate along with the quotation.
- 2. The quotation not submitted in prescribed format or in prescribed manner, shall be rejected.

#### 3. Warranty:-

The vendor shall stand for warranty against defective materials / manufacturing defects and workmanship for the work carried out by him for a period of **02 years** and extended warranty of **01 year** to be considered in the quotation format from its commissioning /handing over & make good /repair/replace the faults during this period without any extra cost, failing which the same shall be got done at the risk and cost of the vendor. Further, in respect of **Rodent Control work** (i) Annual Maintenance Contract (AMC) for 4 th. & 5 th. Year has to be offered separately in percentage wise and indicate the percentage amount. (ii) Annual Maintenance Contract

- (AMC) for 6 th. & 7 th. Year has to be offered separately in percentage wise and indicate the percentage amount as per enclosed Annexure 1.
- 4. The vendor not having VAT Registration certificate shall not be eligible for submitting the quotations. The blacklisted vendors shall also not be eligible for participating.
- 5.The Sales Tax / VAT clearance certificate for the preceding financial year and copy of Income tax return copy, PAN card, TIN No, upto date VAT clearance certificate, proof of experience of executing the similar work shall be submitted.
- 6. All or any of the quotation submitted can be rejected without assigning any reason thereof.
- 7. Advance payment /part payment will not be entertained before completion and handing over the work.
- 8. No claim can be made due to some unforeseen delay for release of payment.
- 9. Payment Schedule:-
  - (A) 90 % of work value will be released after supply, installation, Commissioning, testing and handing over of the work and balance 10 % withheld amount as security money will be released as follows. (As per Annexure -1)
  - (B) (i) 3 % of the security money will be released after completion of 02 years warranty period and extended warranty of 01 year.
    - (ii) 3 % of the security money will be released after completion of 5 th. Year AMC period.
    - (iii) Balance 4 % of the security money will be released after completion of 7 th. Year AMC period.
    - (iv) Annual Maintenance Contract (AMC) charges for 4 th. & 5 th. Year and 6 th. & 7 th. year will be paid after successful completion of respective AMC period at the end of 5 th. and 7 th. Year.

- 10. All the transit risk shall be responsibility of the vendor.
- 11. The authorities are not bound to accept the lowest quoted rate.
- 12. Terms and conditions of the quotation document can not be negotiated for variations.
- 13. The authority reserves the right to reject any or in whole or part without assigning any reason and can impose any other condition(s) as deemed proper before or in course of finalisation of the rate.
- 14. All the disputes shall be subject to Jurisdiction of Civil Courts situated at Bhubaneswar.

Sd/-Joint Manager (Elect.)

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

### **QUOTATION FORMAT**

NAME OF THE WORK :- Execution of Electrical & interior furnishing work for CCTV control Room at Town Police Station at Puri.

|           | control Room at Town Ponce Station at Puri.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |       |                                                    |                                                      |  |  |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|----------------------------------------------------|------------------------------------------------------|--|--|
| SI.<br>No | SCOPE OF WORK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | UNIT  | QTY   | QUOTED RATE INCLUSIVE OF ALL IN(Rs.) FIGURE & WORD | QUOTED AMOUNT INCLUSIVE OF ALL IN(Rs.) FIGURE & WORD |  |  |
| A         | Electrical Works.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |       |                                                    |                                                      |  |  |
| 1         | Supply and fixing of <b>Point wiring for Light</b> with modular grid plate & cover plate mounted on same size of recess zinc chromate passivated flush metal box including required no. of 240volt 6 amp switch or blank plate complete with all other materials as required[Make-(a)Switch, ceiling rose, angle holder, bell push switch, batten holder etc– Anchor Roma/legrand/ Great White/HPL / Havells Crabtree ,(b) Wires - Finolex/RR/Great White/HPL/Havells (c) all other materials ISI mark] | Point | 28.00 |                                                    |                                                      |  |  |
| 2         | Supply and fixing of <b>6A modular switch &amp; socket outlet</b> complete with 1 no of 240 volt 6 amp 4 pin universal round/flat pin combined shuttered socket outlet & 1 no. of 240 volt 6 amp control switch mounted on modular grid plate, all housed in a 3 module[Make-(a)Switch & socket etc– Anchor Roma/legrand/ Great White/HPL/ Havells Crabtree ,(b) Wires - Finolex/RR/Great White/HPL/Havells (c) all other materials ISI mark]                                                           | Nos   | 42.00 |                                                    |                                                      |  |  |
| 3         | Supply and fixing of 6/16A modular switch & socket outlet complete with 1 no of 240 volt 6/16 amp 4 pin universal round/flat pin combined shuttered socket outlet & 240 volt 16 amp control switch mounted on modular grid plate, all housed in a 4 module. [Make-(a)Switch & socket etc— Anchor Roma/legrand/ Great White/HPL / Havells Crabtree ,(b) Wires - Finolex/RR/Great White/HPL/Havells (c) all other materials ISI mark]                                                                     | Nos   | 5.00  |                                                    |                                                      |  |  |
| 4         | Supply and fixing of <b>32A Industrial Socket</b> complete with 1 no of 240 volt 6/16 amp 4 pin universal round/flat pin combined shuttered socket outlet & 240 volt 16 amp control switch mounted on modular grid plate, all housed in a 4 module[Make- (a)Switch & socket etc– Anchor Roma/legrand/ Great White/HPL / Havells Crabtree ,(b) Wires - Finolex/RR/Great White/HPL/Havells (c) all other materials ISI mark]                                                                              | Nos   | 2.00  |                                                    |                                                      |  |  |

| 5  | Circuit wiring for 6A Power Plug / Light point in existing 3/4" PVC pipe with single core 2.5 sq.mm (2Run) +1.5 sq.mm (1run) PVC insulated un-sheathed FRLS Cu.conductor wire of approved make complete with all other necessary materials & labour[Make- (a)Switch & socket etc- Anchor Roma/legrand/ Great White/HPL / Havells Crabtree ,(b) Wires - Finolex/RR/Great White/HPL/Havells (c) all other materials ISI mark] | Mtr | 450.00 |  |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|--|
| 6  | Circuit wiring for Lighting Switch Board & 6/16A Power Plug point in existing 3/4" PVC pipe with single core 4 sq.mm (2Run) +2.5 sq.mm (1run) PVC insulated un-sheathed FRLS Cu.conductor wire with all other necessary material[Make- (a)Switch & socket etc—Anchor Roma/legrand/ Great White/HPL / Havells Crabtree ,(b) Wires - Finolex/RR/Great White/HPL/Havells (c) all other materials ISI mark]                     | Mtr | 88.00  |  |
| 7  | Sub-main wiring for Lighting & Power distribution board & Pression AC in existing 1" or 3/4" good quality PVC pipe with single core 10sq.mm (4Run) + 6 sq.mm (1run) PVC insulated un-sheathed FRLS Cu.conductor wire with all other necessary material[Make- (a) Wires - Finolex/RR/Great White/HPL/Havells (c) all other materials ISI mark]                                                                               | Mtr | 120.00 |  |
| 8  | Sub-main wiring for UPS & Power distribution board in existing 1" or 3/4" good quality PVC pipe with single core 6sq.mm (4Run) + 2.5 sq.mm (2run) PVC insulated unsheathed FRLS Cu.conductor wire with all other necessary material[Make- (a) Wires - Finolex/RR/Great White/HPL/Havells (c) all other materials ISI mark]                                                                                                  | Mtr | 85.00  |  |
| 9  | Sub-main wiring for Spilt AC in existing 1" or 3/4" good quality PVC pipe with single core 6 sq.mm (2run) + 2.5 sq.mm (1run) PVC insulated un-sheathed FRLS Cu.conductor wire with all other necessary material[Make- (a) Wires - Finolex/RR/Great White/HPL/Havells (c) all other materials ISI mark]                                                                                                                      | Mtr | 250.00 |  |
| 10 | Supply & fixing of 3 ph. 6 way, triple pole and Neutral, sheet steel MCB double door AC distribution box complete with tinned copper busbar, neutral link, earth bar, din rail, detachable gland plate including 18 nos of 6 to 32 Amps rating, 240Volts, 'C' curv[Make-(a)MCB- Legrand/ Schnider/L&T/ ABB, (b) all other acessories ISI mark]                                                                              | Nos | 2.00   |  |

| 11 | Supply & fixing of 1 ph.12 way, single pole and Neutral, sheet steel MCB double door UPS distribution box complete with tinned copper busbar, neutral link, earth bar, din rail, detachable gland plate including 10 nos of 6 to 32 Amps rating, 240Volts, 'C' curv[Make-(a)MCB- Legrand/ Schnider/L&T/ ABB, (b) all other acessories ISI mark] | Nos | 1.00   |  |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|--|
| 12 | Earthing with copper earth plate electrode of 600 mm x 600 mm x 3 mm thick including accessories and providing masonary enclosure with cover plate having locking arrangement and 2.5 mtr. long 50dia. G.I pipe for watering, including 25 x 3 mm size Cu. flat                                                                                 | Nos | 4.00   |  |
| 13 | Supply & laying of <b>50</b> sq.mm single core PVC insulated Al. flexible cable at 0.5 mm below ground level for earth electrode, including soldering / termination etc. with all required materials as required[Make- (a) Cable - Finolex//Havells (c) all other materials ISI mark]                                                           | Mtr | 130.00 |  |
| 14 | Supply & Laying of Under floor cable management Cable Trey System with 16 gause of following sizes & other necessary materials                                                                                                                                                                                                                  |     |        |  |
|    | i)200mm x 40 mm x 1.6mm                                                                                                                                                                                                                                                                                                                         | Mtr | 15.00  |  |
|    | ii)100mm x 40 mm x 1.6mm                                                                                                                                                                                                                                                                                                                        | Mtr | 19.00  |  |
|    | iii)50mm x 40 mm x 1.6mm                                                                                                                                                                                                                                                                                                                        | Mtr | 21.50  |  |
| 15 | Supply & fixing of 3 ph. 8 way VTPN sheet steel MCCB double door Pression AC distribution box complete with tinned copper busbar, neutral link, earth bar, din rail, detachable gland plate including 4 nos of 40 Amps TPN MCB , 240Volts, 'C' curv[Make-(a)MCB-Legrand/ Schnider/L&T/ ABB , (b) all other acessories ISI mark]                 | No  | 1.00   |  |
| 16 | Main wiring for Pression AC DB in existing 1" or 3/4" good quality PVC pipe with single core 16sq.mm (4Run) + 6 sq.mm (2run) PVC insulated un-sheathed FRLS Cu.conductor wire of approved make complete with all other necessary material[Make-(a)MCB- Legrand/ Schnider/L&T/ ABB , (b) all other acessories ISI mark]                          | Mtr | 35.00  |  |
| 17 | Supply and fixing hard drawn PVC recessed                                                                                                                                                                                                                                                                                                       |     |        |  |
| 11 | and/or surface conduits including cost of providing saddles, elbow, bend etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting complete as per specifications as required and as below.                                                                                                                  |     |        |  |
| i  | 25mm dia                                                                                                                                                                                                                                                                                                                                        | Mtr | 310.00 |  |

| ii | 19mm dia                                                                                                                                                                                                                                                        | Mtr | 125.00 |  |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|--|
|    | Light Fitting & Fixture.                                                                                                                                                                                                                                        |     |        |  |
| В  |                                                                                                                                                                                                                                                                 |     |        |  |
| 1  | Providing and fixing of recessed mounted Step<br>Light 1 watt LED . MAKE-CROMPTON/HPL/<br>PHILIPS                                                                                                                                                               | Nos | 10.00  |  |
| 2  | Providing and fixing of recessed mounted 12 watt LED downlighters . MAKE-CROMPTON/HPL/ PHILIPS                                                                                                                                                                  | Nos | 16.00  |  |
| 3  | Providing and fixing of recessed mounted high efficiencey (2 x 2) 4 x 14 Watt luminaire ensuring a uniform and consistent lighting for morden offices. MAKE – CROMPTON CODE – T5CQ11414 EB/MAKE-PHILIPS MODEL-AURA-CODE-PBS088/MAKE-HPL-CODE-HMTRE10414.        | Nos | 9.00   |  |
| 4  | Providing and fixing of high efficiencey LED Stripe luminaire ensuring a uniform and consistent lighting for morden offices.                                                                                                                                    | Rmt | 40.00  |  |
|    | Data & Voice Works.                                                                                                                                                                                                                                             |     |        |  |
| C  |                                                                                                                                                                                                                                                                 |     |        |  |
| 1  | Supply & fixing of information outlet box suitable for RJ 45 terminals including mounting box (G.I/PVC) & top cover, to be fixed in concealed manner in partition/wall by necessary bolts & nuts or as directed by site-incharge. (MAKE - DIGI-LINK/EQUIVALENT) | Nos | 32.00  |  |
| 2  | Supply & Fixing of <b>Pop-up Box</b> with 1 x universal power Socket,1 x RJ 45 Netwok, 1 x VGA, 1 x 3.5mm Audio, 1 x HDMI & 1 x USB complete with all other meterials. MAKE-HAFELLE/ HETTICH.                                                                   | Nos | 14.00  |  |
| D  | Sefty & Security Works                                                                                                                                                                                                                                          |     |        |  |
| Ι  | Rodent Control System                                                                                                                                                                                                                                           |     |        |  |
| 1  | Provding and installing Rodent control system for control room, consisting of Transducers 40 nos, VHFO Controler 2 nos and cable. Including all necessary hardware as per the solution providers advice. MAKE - MASAR / EQUIVALENT                              | Set | 1.00   |  |
| E  | Paint & Finish Works                                                                                                                                                                                                                                            |     |        |  |
|    |                                                                                                                                                                                                                                                                 |     |        |  |

| 1 | Providing & applying Paint with two or more coats of Best quality <b>Acrylic Emulsion Paint</b> with Putty of approved brand, shade and manufacture including preparing of plastered surface, one coat of cement primer, three time filling and one coat of flat enamel paint to give an even shade on walls and ceiling, including providing necessary scaffolding, cleaning the surface with water to remove all coating dust etc. including cost of all materials, labour, T&P, brush putty, taxes etc. complete as per specification. complete in all respect. MAKE-ASIAN / BERGER/ NIROLAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sft | 1864.0<br>0 |  |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------|--|
| 2 | Providing, Painting fixing of The base of cavity floor with Epoxy paint and 13 mm thick Nitrile thermal insulation of Armaflex or equivalent make. The junctions between the insulation and fixtures are to be watertight and airtight with 50 mm wide nitrile tape, complete including cost of all materials, labour, T&P, taxes etc. MAKE- ARMAFLEX/EQUIVALENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Sft | 415.00      |  |
| F | Loose Furniture Works for control room                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |             |  |
| 1 | Providing & Supplying of Revolving Chair Featherlite/ GODREJ Make Model- Advantage Mid Back.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No  | 14.00       |  |
| G | Fixed Interior alongwith fire rated dry wall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |             |  |
| 1 | Providing & fixing in position of High Impact/Heavy duty Non load bearing type double skin 2 hour Fire rated dry wall Partition of 98 mm thick comprising of a composite framework which includes a 48 mm stud of 0.55 mm thick and having two unequal flanges of 48 and 50 mm each placed at 610 mm center to center in 50 mm floor and ceiling channel with two equal flanges of 32 mm each fixed to floor and ceiling at 600 mm center, with the help of nylon sleeves and wood screws. Two layers of 12 mm thick Hilux/ Gyprock boards are then screw fixed to the studs and channels at 200 mm centres on both sides of the frame work, with 25 & 35 mm long self drilling & tapping screws having Phillips head with under head cutter, for first and second layer boards respectively. The board's joints are to be staggered to avoid through passage. Finally edges of the Boards are to be jointed and finished so as to have a flush look which includes filling and finishing with elasto prefab joint sealant specially formulated jointing compound and 48 mm wide self-adhesive fibre tape. including the cost of material, labour, tools and tackles, all consumable with best workmanship to complete as per the drawing, specification. (Make-i. GI Frame-IGL/ Equivalent, ii- Board - Hilux/ Gyprock) | Sft | 810.0       |  |
|   | Providing, fixing and making <b>Sound</b> Insulation (100 - 3150 Hz) – 43 dB by 50 mm thick (Density -64 Kg/m3) ceramic wool mat in to the cavity of the fire rated dry wall partition & Panneling .Make- Twuga/ Equivalent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Sft | 1299.0      |  |
| 2 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |             |  |

| 3 | Providing & fixing Veneer wall panelling / Lining in different level with consisting of metal tube frame work 45 mmx18 mm members fixed to wall at a spacing not more than 600mm finished with 8mm Calcium Silicate board with excellent Fire ,moisture registrant , termite proof & good sound insulation properties. Finished with 4mm thick Veneer of approved shade & design including melamine polish of approved shade on exposed wooden/ veneer surface complete in all respect as per design & drawing. Make- Greenlam/ Century/ Merino                                                                                                                                                                                                                                               | Sft | 356.00 |  |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|--|
| 4 | Providing and fitting and fixing of <b>Elevated</b> gallery at desired shape, level and hight with adequate steps for easy access to elevated gallery. The under structure isto be madeup of load bearing 100 mm square Ms columns positioned in a grid manner 600 mm c/c with appropriate ms transveral sections wed between them to obten the necessory stability to the structure, The under structure to be treated for corrosion and coated with epoxy conductive paint. Base of gallery floor shall be of high impact/heavy duty 18 mm thick cement fibre boards screwed on to under structure @ 300 mm c/c. including the cost of material, labour, tools & tackles, all consumable with best workmanship to complete as per the drawing, specification & direction of Engg IN charge. | Sft | 550.00 |  |
| 5 | Providing and fixing In-situ <b>Curve workstation</b> (2'-6" x 3'0" x 3'9") of desire shape with 19mm thick ply as specified with keyboard, as per the drawing including necessary writing white board, pin up board facility.all the exposed wooden surface to be finished with approved shade of laminates complete including cost of all materials, labour T & P Transportation, Taxes etc as per drawing & direction of the Engg. Incharge                                                                                                                                                                                                                                                                                                                                                | No  | 14.00  |  |
| 6 | Horizontal Desk fix Design Twin Arm LED Monitor Support Stand . (Pole hight 18", The Stand will have tilt, Swivel & Remort arms . It can accomodation Monitor upto 17" to 24" complete with Management Intirgated cable System .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No  | 14.00  |  |
| 7 | Providing and fixing in position to door frames (measured separately) Single Door in Data center shall be of 2 hour fire-rating, with secure bolted hinge provision for remote door release is made for the electric door locks. over all size of (1050 mm x 2400 mm) for Equipment movement. The doors will be kept closed and will not be used for regular access of data center facility. This shall also serve as Emergency exit door way with panic bar to be provided for egress from Data center area in case of fire exigency. Make- Shakti Mate/ Hormon                                                                                                                                                                                                                              | Sft | 40.00  |  |

| 8  | Providing and fixing in position to door frames (measured separately) exterior grade Flush  Door (Venner Finish) shutters using BWP type, phenol formaldehyde synthetic resin adhesive, core of block board construction with frame of first class hard wood, BWP ply veneering on both sides including all incidental work, including providing and fixing 15mm thick wooden lipping to sides edge & bottom 40 mm thk. with grooves /rebates as approved all around the flush door shutters with veneer, cost of providing and fixing 3 nos each leaf with butt hinges with necessaries S.S. screws of adequate size, all fixing accessories etc. as per the design & specifications. Make-Greenlam/ Century/ Merino | Sft | 173.00 |  |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|--|
| 9  | Providing and fixing in position 12mm thick  Toughened frameless glass Partition of shape & size as per design having supported by necessary fittings of approved make and with proper locking arrangement item to be completed in all respects as per drawings & instructions of manufacturer and direction of Engg I.C.                                                                                                                                                                                                                                                                                                                                                                                             | Sft | 84.00  |  |
| 10 | Providing & fixing Acostic wall panelling / Lining in different level with consisting of metal tube frame work 45 mmx18 mm members fixed to wall at a spacing not more than 600mm finished with 65 % Pritch Work on MDF Board.Make- Green/ Century                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |        |  |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Sft | 489.00 |  |
| 11 | Providing & fixing Wall panelling / Lining in different level with ( Calcium silicate board ) consisting of metal tube frame work 45 mmx18 mm members fixed to wall at a spacing not more than 600mm finished .Make-Hilux/Gyprock.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Sft | 55.00  |  |
| 12 | Providing & Fixing Storage / Shoe Rack.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Sft | 72.00  |  |
| Н  | Rodant control alongwith False ceiling works                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |        |  |

| 1 | Providing & fixing in position Mineral Fiber Board Modular type suspended grid system False ceiling grid shall be of specified make of Armstrong/Aerolite or equivalent. Using hot dipped galvanized steel section, exposed surface chemically cleaned capping pre-finished in baked polyester powder paint, Main tee of size 15 x 35 x 0.33 mm at every 1200 mm G/C max and rotary stitched cross tee of size 15 x 30 x 0.33mm at every 600 mm CIC 0.457 mm wall angle around the wall to form a grid of 600 mm x 600 mm and suspending the grid using 2 mm GI rod and 6 mm raw plug at every 1200 mm intervals at the main tee and laying the Ceiling tiles of size 595 mm x 595 mm x 15 mm over the formed grid having fire rating of 60 minutes as per BS 476/23 of 1987; Noise reduction Coefficient (NRG) of 0.50-0.60, to resist temperature and humidity of 95% RH, weight of tile 3.5Kgs/SQ.M. The ceiling tile shall be of easy remove and install type for the access of utilities in the ceiling void. Non-combustible and dust-free plates shall be considered. The false ceiling shall serve as a plenum for lighting fixtures, fire detection and protection system. Complet as per drawing & specification including cost of all materials, labour T & P Transportation etc. complete as per direction of engineer in charge.Make-Armstrong / Aerolite | Sft | 207.5      |  |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|--|
| 2 | Providing and Fixing in position Suspended Calcium silicate board artificial false celling in any height of approved manufacture includes providing and fixing GI perimeter channels of 0.55mm thk having one flange of 20mm & another of 30mm & web of 27mm along the perimeter of the ceiling screw fixed to back wall / partition with the help of nylon sleeves & screws at 610mm centres. The suspended GI intermediate channels of size 45mm, 0.9mm thk with two flanges of 15mm each from the soffit at 1220mm centres with ceiling angle of width 25mm x 10mm x 0.55mm thk fixed to soffit with GI cleat & steel expansion fasteners. Ceiling section of 0.55mm thk having web of 51.5mm & flanges of 20mm each with lips of 10.5mm are then fixed to the intermediate channels with the help of connecting clips & in direction perpendicular to the intermediate channels with centres 6mm tapered edge calcium silicate board is then fixed to ceiling section with 25mm wall screws at 230mm centres and joints are fixed with tape and finished smooth & cutting in holes for light fitting ,Speakers ,AC Outlet, fire detector etc. complete as per Design, drawing & specification. including cost of all materials, labour T & P Transportation, Taxes etc. complete. Make-Hilux/ Gyprock.                                                             | Sft | 565.0<br>0 |  |
| 3 | Providing & fixing in position artificial <b>Venner False Ceiling</b> in any height including GI channels frame work along with ply backing finished with veneer of approved shade ,polished with 2 coats of melamine polish. Including Cost of cutting of holes for light fittings ,Speakers ,Smoke Detector Ac Outlet etc. & all materials, labour T & P Transportation, Taxes etc. complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Sft | 54.00      |  |

|   | as per drawing & specification and as directed. Make- Greenlam/ Century/ Merino                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |       |  |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------|--|
| 4 | Providing, Making & fixing of Trap Door for A C made of 19mm thk board and finished as per false ceiling finish. The frame shall be fixed to existing RCC slab including all necessary hardware fittings complete as per drawing and details.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Sft | 32.00 |  |
| I | Cable trunking alongwith Flooring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     | ,     |  |
|   | & Cladding works                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |       |  |
| 1 | Providing and fitting and fixing of Raised Access False flooring at 450mm hight. The under structure is madeup of load bearing galvanised steel columns with micrometric hight adjustment arrangement positioned in correspondence with the corners of the moudulat grid panels and any appropriate transveral sections assembled between them to obten the necessory modularity and capacity of flooring confirming to BIS 875-1987. Pedestal assembly shall be consisting of base assembly 100 x100x2 mm. with full bead weld to steel base plate with embossing and four numbers holes which shall be fixed to the floor with screws. The columns and transversal sections allows the positioning of gaskets to guarantee the stability of coupling beteen the structure and panels, limiting friction between various element. Panels should be made up of 18-gauge steel of 600mmx600mm size treated for corrosion and coated with epoxy conductive paint (minimum thickness 50 Micron). False flooring covering shall be antistatic high pressure laminate 2 mm. thick in approved shade and colour with PVC TRIM edge. (Perforated floor panels are to be provided on the designated floor for air delivery. The numbers and placement of perforated panels shall be decided after consulting the equipment vendor.) The perforated panels shall have provision for dampers. The interior of the panels shall be filled with non-combustible cementitious compound. No obstructions of pipes, conduits, detectors shall be permitted in space immediately under equipment lineups. The under floor space under lineups is required for equipment frame securing, cable management and power access. Steps are to be provided for transitioning to elevated floor area at entrance of data center. Special tools and tackles required for operation of False flooring shall be supplied in two sets. Make- Unitech/ DJ | Sft | 207.5 |  |

| 2 | Providing and laying with min 7 ply  Engineered wood flooring of min panel size (1200mmX120mm) and thickness 8mm of approved make. complete with approved make complete as per the detail architectural drawings and specification. Make- Armstrong / Green Ply / Wonderfloor | Sft | 550.00 |  |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|--|
|   |                                                                                                                                                                                                                                                                               |     |        |  |

Sd/-

Seal & Signature of the Vendor

**Asst. Project Manager (Elect.)** 

## ANNEXURE – 1

## **DETAILS OF ANNUAL MAINTENANCE CHARGES**

| PERTICULARS                              | PERCENTAGE ON QUOTED PRICE | AMOUNT OF<br>PERCENTAGE | PAYMENT OF<br>AMC<br>CHARGES                                                                                                      |
|------------------------------------------|----------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| AMC Charges<br>for 4 th. & 5 th.<br>year |                            |                         | AMC Charges<br>for 4 th. & 5 th.<br>Year will be<br>released after<br>successful<br>completion of 5<br>th. Year of<br>AMC period. |
| AMC Charges<br>for 6 th. & 7 th.<br>year |                            |                         | AMC Charges<br>for 6 th. & 7 th.<br>Year will be<br>released after<br>successful<br>completion of 7<br>th. Year of<br>AMC period. |

Seal & Signature of the Vendor

Sd/-Asst. Project Manager (Elect.)