



**NATIONAL LAW UNIVERSITY, ORISSA
KATHAJODI CAMPUS, NARAJ
CUTTACK**

**B.O.Q OF INTERIOR AND FURNISHING WORKS FOR
GIRLS HOSTEL -II**

CONSULTANT :

M/s. RATH ARCHITECTONIC
104, Madhusudan Nagar
Unit-IV, Bhubaneswar-751001
Ph. No. (0674) 2390940, 2395340

ABSTRACT COST

1	INTERIOR AND FURNISHING	Total Rs.	-
2	WI-FI SYSTEM WITH LAN NETWORKING	Total Rs.	-
3	FIREFIGHTING	Total Rs.	-
4	ELECTRICAL	Total Rs.	-
		Total Rs.	-

For M/s. RATH ARCHITECTONIC.

SI.No	Description	Unit	Qty	Rate	Amount
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B.O.Q of Interior and furnishing work of Girls Hostel-II for NLUO,Cuttack
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1 ALUMINIUM ANODISED DOOR (FULL GLAZED) :

Supplying and fixing coloured aluminium anodized aluminium work for doors with extruded built up standard tubular and other sections of approved make conforming to IS: 1285, transparent or dyed to required shade fixed with rawl plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/ neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and joined mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P Brass / Stainless steel screws all complete as per architectural drawings and the directions of PMC. 6 mm thick float glass with necessary etching shall be provided in the aluminium section as per drawing. Necessary etching design shall be provided on the glass surface as per detail drawing.

The rate shall inclusive of aluminium door frame, fixing glass and as per the given drawing.

Sqm. 7.83

Rate in figure:

Rate in word:

2 ALUMINIUM ANODISED DOOR: (PARTLY GLAZED):

SI.No	Description	Unit	Qty	Rate	Amount
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Supplying and fixing coloured aluminium anodized aluminium work for doors with extruded built up standard tubular and other sections of approved make conforming to IS: 1285, transparent or dyed to required shade fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/ neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and joined mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P Brass / Stainless steel screws all complete as per architectural drawings and the directions of PMC.

6 mm thick float glass with necessary etching shall be provided in the top portion and 9 mm. laminated board in the bottom portion of the aluminium section as per drawing. Necessary etching design shall also to be provided on the glass surface as per detail drawing.

The rate shall inclusive of aluminium door frame, fixing glass and as per the given drawing and direction of Engineer In Charge.

Sqm. 16.25

Rate in figure:
Rate in word:

3 FLUSH DOOR:

Supplying and fixing 30mm Flush Doors shutter Solid Block Board core Construction with second class hardwood and ply veneering on both side,with necessary factory mde leaping.The teakwood leaping shall only be provided subject to cutting the doors(The cutting may be made inorder to adjust the irregular line) as per drawing and design all complete and as per the direction of Engineer In Charge (for finishes refer item no 14(b))

Sqm. 640.75

Rate in figure:
Rate in word:

4 W.P.C. DOOR FRAME:

SI.No	Description	Unit	Qty	Rate	Amount
	<p>Supplying and fixing of 100mm X 50mm Wood Plastic Composite materials water resistance, fire resistance and termite resistance door frame fixed to the wall 6 nos of fastners finished with ducco paint all complete as per direction of Engineer-in-charge.</p> <p>Rate in figure: Rate in word:</p>	Rmt	700		
5	<p>W.P.C. DOOR</p> <p>Supplying and fixing of 30mm thick Wood Plastic Composite, water resistance, fire resistance and termite resistance door shutters surface finished ducco paint all complete as per direction of Engineer-in-charge.</p> <p>Rate in figure: Rate in word:</p>	Sqm.	241		
6	<p>M.S.DOOR:</p> <p>Supplying , fitting and fixing of M.S.door as per approved design with all fitting fixture including two coats of approved coloured enamel paint over a coat of primer etc. all complete and direction of Engineer In Charge.</p> <p>Rate in figure: Rate in word:</p>	Qntl.	18		
7	<p>COLLAPSABLE-GATE :</p> <p>Supplying and fixing in position collapsable steel shutters with vertical channels 20 x 10 x 2 mm and braced with flat iron diagonals 20 x 5 mm size with top amd bottom rail of T-iron 40 x 40 x 6 mm with 40 mm dia.steel pulleys complete with bolts,nuts,locking arrangement ,stoppers,handles,including applying a primer coat of approved steel primer all complete and as per the drawing direction of Engineer-in-charge.</p> <p>Rate in figure: Rate in word:</p>	Sqm	30		
8	<p>FITTING AND FIXTURES FOR DOORS:</p>				
a.	<p>Floor spring</p> <p>Rate in figure: Rate in word:</p>	No.	10		

SI.No	Description	Unit	Qty	Rate	Amount
b.	SS Handle (25 x 450mm) Rate in figure: Rate in word:	No.	20		
c.	SS Handle (150 mm.) Rate in figure: Rate in word:	No.	980		
d.	SS 304 Mortice Lock - one side key and one side knob. Rate in figure: Rate in word:	No.	14		
e.	Dead lock Rate in figure: Rate in word:	No.	5		
f.	SS 304 Concealed tower bolt (200mm) Rate in figure: Rate in word:	No.	325		
g.	SS 304 Concealed tower bolt (150mm) Rate in figure: Rate in word:	No.	658		
h.	SS 304 Door stopper Rate in figure: Rate in word:	No.	325		
i.	Door silencer (PVC) Rate in figure: Rate in word:	No.	325		
j.	SS 304 grade hinges (125) Rate in figure: Rate in word:	No.	1480		
k.	Door Closure Rate in figure: Rate in word:	No.	15		
l.	Aldrop (10") Rate in figure: Rate in word:	No.	340		
9	WARDROBE:				

SI.No	Description	Unit	Qty	Rate	Amount
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Supplying and fixing of wardrobe of size 2100 X 550 X 1000 made out of 19mm B/B both side finished with 1mm laminate of approved shade with 2mm PVC edge binding, SS hinges,SS handle on doors,oval type hanger rod,magnetic catcher, etc all complete and as per the direction of Engineer In Charge.

No. 325

Rate in figure:
Rate in word:

10 BOOK SHELVES:

Providing and fixing of Wall hung Book shelve of size 1200 X 450X 600 made out of 19mm ply finished with 1 mm. laminate on both side of approved shade, edge covered with 2mm PVC edge binding fixed with hinges, S.S100mm handle including labour all complete and as per the direction of Engineer In Charge.

No. 325

Rate in figure:
Rate in word:

11 STUDY TABLE(600mmx950mmx750mm):

Supplying and fixing of study table with 25mm thick post forming top and 19 mm Block Board for verticals, modesty with one drawer. The exposed surface finished with 1mm laminate & 2mm Pvc edge binding all complete as per detail drawing. The cost including of all materials, labours, T&P, taxes, royalties, transportation etc. all complete as per the direction of Engineer-in-charge.

No 325

Rate in figure:
Rate in word:

12 STUDY CHAIR:

Supplying of fabric upholstery,polyureathene foam for study chair having tilt tension adjustment,fixed armrest,five pronged metal pedestal etc., all complete as per the direction of Engineer-in-charge.

No. 805

Minimum Base Rate:3,500 to 4,200
Rate in figure:
Rate in word:

SI.No	Description	Unit	Qty	Rate	Amount
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13 **DINNING TABLE:**

a. **DINNING TABLE WITH PLASTIC SHELL SEAT:**

Supplying and fixing of dinning table of approved make with Plastic shell seat and the table Top made out of Stainless Steel brushed finish with PLB insert with Tubular frames made of 50.8 x 50.8mm x 1.2mm thick powder ERW tubes at base welded and fixed to the Top with screws,tubular stiffeners to be provided between the two vertical frames and the tubes to be closed with plastic caps and level adjustors should be provided .The cost including of all materials, labours, T&P, taxes, royalties, transportation etc. all complete as per the direction of Engineer-in-charge.

No. 28

Rate in figure:

Rate in word:

b. **DINNING TABLE WITH S.S. ROUND STOOL:**

Supplying and fixing of dinning table with S.S.round stool of approved make and the table Top made out of Stainless Steel brushed finish with PLB insert with Tubular frames made of 50.8 x 50.8mm x 1.2mm thick powder ERW tubes at base welded and fixed to the Top with screws,tubular stiffeners to be provided between the two vertical frames and the tubes to be closed with plastic caps and level adjustors should be provided.The cost shall be including of all materials, labours, T&P, taxes, royalties, transportation etc. all complete as per the direction of Engineer-in-charge.

No. 6

Rate in figure:

Rate in word:

14 **PAINTING:**

a. Supplying and painting of internal walls and ceiling with two or more coats of acrylic emulsion paint of approved make, which includes two coat of internal putty with a coat of primer all complete. The shade, brand and sample work to be approved by NLUO/ PMC before execution of paint work.

Sqm. 28150

Rate in figure:

Rate in word:

SI.No	Description	Unit	Qty	Rate	Amount
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- b. Supplying and painting of enamel paint with two or more coats of approved make on the surface to be finished with required thickness internal putty which includes one coat of primer of approved, and sample work all complete. The shade and brand, make to be approved by NLUO/ PMC before execution of painting work.

Sqm. 6400

Rate in figure:

Rate in word:

- c. Providing and applying 2 coats acrylic based weather coat paint (exterior quality) of approved make, which includes two coat of exterior putty over a coat of primer of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance, taxes, royalties, scaffolding, watering, curing, sundries, tools and plants, etc., as per the direction of the Engineer-in-charge.

Sqm. 890.5

Rate in figure:

Rate in word:

15 WALL CLADDING:

Supply and fixing of wall cladding with 12mm. ply fixed to 19mm. Block board frame of 600 x 600 mm interval surface finished with 1mm. Laminate of approved shade and as per drawing and direction of Engineer In Charge. Base price of 1mm thick Laminate - Rs.2000 per Sqm.

Sqm. 180

Rate in figure:

Rate in word:

16 MIRROR:

Supplying and fixing of 4mm thick mirror of size 450 mm x 900 mm with 9 mm. ply backing fixed to wall with 304 grade SS stud with cap as per drawings and direction of Engineer In Charge.

Sqm. 135

Rate in figure:

Rate in word:

17 M.S BED(size-950 X 2000)

SI.No	Description	Unit	Qty	Rate	Amount
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Providing and fixing of M.S.single bed made of with square bars,tubes and BWR Block board. The legs of the bed should made of with Square bar 40.00 X 1.25mm Thk.5 nos of Square bar 19 x 1.25 thk shall be welded with 2nos of 50x25x1.6mm thk tube.19mm thk BWR Block board shall be fixed at the top with screws.The cost shall including of all materials, labours, T&P, taxes, royalties, transportation etc. all complete as per the drawing and direction of Engineer-in-charge.The bed sample must be approved by PMC .

Nos. 325

Rate in figure:

Rate in word:

18 NAME PLATE OVER BUILDING : (STAINLESS STEEL)

a Supplying and fixing of name plates over building shall be of 3d SS 304 grade letters of base height made out of SS plate at all location and height including all material, labour, T&P royalties, taxes, wastage, transportation, installation etc. all complete.The height of letter should be 600mm and width is 475mm(appx.).

No. 10

Rate in figure:

Rate in word:

b NAME PLATE OVER DOOR : (ACRYLIC SHEET)

Supplying and fixing of name plate of size 100mm x 300mm over rooms,toilet ,lift,etc. doors shall be of specified size as per drawing and design made out of Acrylic sheet embossed with single colour letters which shall be fixed to the door / partition wall using 12 mm x 25 mm stainless steel stud all complete as per direction of Engineer-in-charge. The job is comprising of all material, labour, T&P royalties, taxes, wastage, transportation, installation etc. all complete.

No. 340

Rate in figure:

Rate in word:

19 NOTICE BOARD:

SI.No	Description	Unit	Qty	Rate	Amount
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Supplying and fixing of notice board of size 2000 mm x 1000 mm made out of 19 mmB/B with a wire mesh shutter of 19mm x 19mm(gap of the net) with a 12mm thick soft board properly wrapping with approved cloth and necessary hanging arrangement .The cost including of all materials, labours, T&P, taxes, royalties, transportation etc. all complete as per the direction of Engineer-in-charge.

Sqm. 6

Rate in figure:

Rate in word:

20 **KEY HIVE :**

Supplying and fixing of KEY HIVE of size 1800 mm x 600 mm made of 12mm thk plywood and finished with 1.0mm thk laminate from outside. Glass shutter with lock to be provided and inside to be finished with softboard and J hooks (1.5" c/c) fixed to it.The cost including of all materials, labours, T&P, taxes, royalties, transportation etc. all complete as per the direction of Engineer-in-charge.

Sqm. 3.24

Rate in figure:

Rate in word:

21 **CURTAINS:**

Supplying and fixing of window curtain of furnished fabric of approved design properly stiched with loops and pleat to be fixed to the drapery rod of S.S finish and necessary bracket .The cost including of all materials, labours, T&P, taxes, royalties, transportation etc. all complete as per the direction of Engineer-in-charge.Cloth to be approved by PMC/NLUO.

Sqm. 1100

Base Rate:

Rate in figure:

Rate in word:

22 **ROLLER BLINDS :**

SI.No	Description	Unit	Qty	Rate	Amount
	<p>Supplying and fixing of roller blinds of approved colour and make at specified area made of 100% Polyester with a weight of 255g/sqm / 210g/sqm(+5%),fabric thickness of 0.60/0.33 mm(+0.05)in required width over windows.The hanging properties of blinder should be of excellent quality and of very high tearing strength with acrylic coating resistant to cracking and fraying ,conditionally cleanable with a damp cloth. The cost including of all materials, labours, T&P, taxes, royalties, transportation etc. all complete as per the direction of Engineer-in-charge.</p> <p>Rate in figure: Rate in word:</p>	Sqm.	20		
23	<p>WATER COOLER SYSTEM:</p> <p>Providing and fixing of water cooler system with SS body of approved make.The cost including of all materials, labours, T&P, taxes, royalties, transportation etc. all complete as per the direction of Engineer-in-charge.</p> <p>Rate in figure: Rate in word:</p>	Nos	13		
24	<p>WATER PURIFIER SYSTEM:</p> <p>a Supplying and fixing of water purifier of approved make suitable for online purification for water cooler.The purification capacity is 15 ltr/hr with twin membrane1812.The cost including of all materials, labours, T&P, taxes, royalties, transportation etc. all complete as per the direction of Engineer-in-charge.</p> <p>Rate in figure: Rate in word:</p>	Nos	13		
	<p>b Supplying and fixing of water purifier of approved make suitable for online purification for water cooler.The purification capacity is 50 ltr/hr with twin membrane1812.The cost including of all materials, labours, T&P, taxes, royalties, transportation etc. all complete as per the direction of Engineer-in-charge.</p> <p>Rate in figure: Rate in word:</p>	Nos	1		

SI.No	Description	Unit	Qty	Rate	Amount
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TOTAL Rs.

Rate in figure:

Rate in word:

For M/s. Rath Architectonic.

WI-FI SYSTEM WITH LAN NETWORKING (GIRLS HOSTEL GF-60/FF/SF/TF-24 Each)

A

1 Supplying , installing, laying of UL certified Cat-6 -UTP cable suitable for local area networking for approximately 132 Nodes shall be of SYSTIMAX/ PANDUIT/SEIMON/ROSANBERGER Giga Speed etc . All complete and as per direction of Engineer- in-charge . The rate is inclusive of all material , labour, T&P , es , royalties , transportation etc. all complete . The cable shall be laid through approved make 20 / 25 mm thick PVC pipe. rmt 5,300.00

Rate in figure:

Rate in word:

2 Supply, installing of UL certified 24 Ports patch panel (Cat.-6 standard,Intelligent ready · STRAIGHT 24 Port patch Panel(Unloaded) suitable for Cat. 6 cable for LAN. The panel shal be of SYSTIMAX/ PANDUIT/SEIMON/ROSANBERGER make. The rate in inclusive of all material, transportation, es etc. for complete delivery at site or as per the diection of Engineer-in-charge or Consultant. No. 10

Rate in figure:

Rate in word:

3 Supply and installation of UL certified Category 6UTP Modular Jacks suitable for unloaded angular patch Panel of SYSTIMAX/ PANDUIT/SEIMON/ROSANBERGER make . The rate in inclusive of all material, transportation, es etc. for complete delivery at site or as per the diection of Engineer-in-charge or Consultant. No. 264

Rate in figure:

Rate in word:

SI.No	Description	Unit	Qty	Rate	Amount
4	Supply and installation of UL certified FACE Plate with PVC Gang Box for Cat-6 Mud Jacks shall be of SYSTIMAX/PANDUIT/SEIMON/ROSANBERGER Make. The rate is inclusive of all material, transportation, es etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant. Rate in figure: Rate in word:	No	132		
5	Supply and installation of UL certified 1 meter patch cord (Cat-6 standard) suitable for LAN shall be of SYSTIMAX/PANDUIT/SEIMON/ROSANBERGER Make. The rate is inclusive of all material, transportation, es etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant. Rate in figure: Rate in word:	No	200		
6	Supply and installation of UL certified 2 meter patch cord (Cat-6 standard) suitable for LAN shall be of SYSTIMAX/PANDUIT/SEIMON/ROSANBERGER Make. The rate is inclusive of all material, transportation, es etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant. Rate in figure: Rate in word:	No	64		
7	Supply and installation of 6U/9U rack,make VAL RACK /MTS/ APW PRESIDENT /MTS or equivalent. with Power Strip and accessories Fans . The rate is inclusive of all materials,transportation, es etc for complete delivery at site or as per the direction of Engineer-in-charge or Consultant. Rate in figure: Rate in word:	No	8		
8	Supply and installation of manage switch layer - 2, 24 port 10 / 100 / 1000 mbps POE switch shall be CISCO / DLINK / ALLIED TELESIS / HP make . The rate is inclusive of all materials, transportation, es etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant. Rate in figure: Rate in word:	No	10		

SI.No	Description	Unit	Qty	Rate	Amount
9	Providing and fixing of wireless access points of AC series Speed upto 1600 mbps / make CISCO/ALLIED TELESIS/MOTOROLA / HP as per direction of Engineer- in-charge . The rate is inclusive of all material , labour, T&P , es , royalties , transportation etc. all complete . Rate in figure: Rate in word:	No	64		
10	Support & maintainance service of wireless access points of AC series Speed upto 1600 mbps / make CISCO/ALLIED TELESIS/MOTOROLA / HP for 3 year onsite as per direction of Engineer- in-charge . The rate is inclusive of all material , labour, T&P , es , royalties , transportation etc. all complete . Rate in figure: Rate in word:	No	64		
11	Supply and installation of wireless controller to manage wireless ap of AC Series shall be CISCO / DLINK / ALLIED TELESIS / HP make . to be installed in HA modes. The rate is inclusive of all materials, transportation, es etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant. Rate in figure: Rate in word:	No	2		
12	Supply and installtion of extended warranty with onsite support for 3 year as per the direction of the site engineer or consultant Rate in figure: Rate in word:	No	2		
13	Supply and installation of 64 port license for wireless access points via controller to manage wireless ap of AC Series with shall be CISCO / DLINK / ALLIED TELESIS / HP make . The rate is inclusive of all materials, transportation, es etc. for complete delivery at site or as per the direction of Engineer-in-charge or Consultant. Rate in figure: Rate in word:	No	1		

SI.No	Description	Unit	Qty	Rate	Amount
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TOTAL Rs. A

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Rate in figure:

Rate in word:

B OPTICAL FIBRE CABLE FROM ADMIN BUILDING TO GIRLS' HOSTEL - II

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|----|--|-----|------|--|--|
| 14 | Supplying , installing, laying of OFC 6 core Out door ,SMF,shall be of SYSTIMAX/ PANDUIT/SEIMON/AMP Giga Speed etc . All complete and as per direction of Engineer- in-charge . The rate is inclusive of all material , labour, T&P , es , royalties , transportation etc. all complete . The cable shall be laid through approved make 20 / 25 mm thick PVC pipe. | No. | 1000 | | |
| | Rate in figure: | | | | |
| | Rate in word: | | | | |
| 15 | Supply, installing of 12 port LIU with Loaded coupler of SYSTIMAX/ PANDUIT/SEIMON/HP make. The rate in inclusive of all material, transportation, es etc. for complete delivery at site or as per the diection of Engineer-in-charge or Consultant. | No | 2 | | |
| | Rate in figure: | | | | |
| | Rate in word: | | | | |
| 16 | Supply and installation of LC pigtail, 1.5mtr, SMF of SYSTIMAX/ PANDUIT/SEIMON/HP/AMP make . The rate in inclusive of all material, transportation, es etc. for complete delivery at site or as per the diection of Engineer-in-charge or Consultant. | No. | 12 | | |
| | Rate in figure: | | | | |
| | Rate in word: | | | | |
| 17 | Supply and installation of LC-LC, 3mtr, SMF duplex patch cords of SYSTIMAX/ PANDUIT/SEIMON/HP/AMP make . The rate in inclusive of all material, transportation, es etc. for complete delivery at site or as per the diection of Engineer-in-charge or Consultant. | No | 4 | | |
| | Rate in figure: | | | | |
| | Rate in word: | | | | |

SI.No	Description	Unit	Qty	Rate	Amount
18	Supply and installation of OFC MOUDLE 1000BASE LX of SYSTIMAX/PANDUIT/SEIMON/DLINK/HP/AMP Make. The rate in inclusive of all material, transportation, es etc. for complete delivery at site or as per the diection of Engineer-in-charge or Consultant. Rate in figure: Rate in word:	No	4		
19	32MM HDPE PIPE ISI MARK Rate in figure: Rate in word:	Meter	1000		
20	Soil digging laying of HDPE Pipe & OFC and back filling with proper marking as per the instruction of the site engineer or consultant Rate in figure: Rate in word:	Meter	900		
21	Concrete road / wall cutting with laying of HDPE Pipe & OFC and back filling with cement as per the instruction of the site engineer or consultant Rate in figure: Rate in word:	Meter	100		
		TOTAL	PART -B		
	Rate in figure: Rate in word:				

C Power Backup / Video Coference License

22	6 KVA Online UPS with Isolation Transfermer. Single phase input / single output with 60 min backup (Make: APC / UNILINE/ Paradyne/Emerson Rate in figure: Rate in word:	No	1		
23	Supply & Installtion of Software License to enable Multipart Video Conference 1+* Total 9 sites. Comnpatible with Sony PCS-XG100 Full Hd Videocoference System as per direction of site engineer or Consultant. Rate in figure: Rate in word:	No	1		

SI.No	Description	Unit	Qty	Rate	Amount
24	Supply & installtion of HDMI Extender upto 120 Meter Via Cat6E of any suitable brand i.e Krammer / Extron / Best-NET as per the site requirement & direction of the site engineer or consultant Rate in figure: Rate in word:	No	2		

TOTAL -C

Rate in figure:
Rate in word:

FIRE FIGHTING WORKS

A FIRE EXTINGUISHER

1	Supply, installation, testing & commissioning of Ceasefire 6 Kg Fire Extinguisher Mono Ammonium Phosphate Powder 90, Stored Pressure Type, Pressure Gauge, Gross Weight 9.4 Kg, empty Weight 3.4 Kg, Can Height 480MM, Diameter 160MM, Discharge Time less than 13 Secs, Controllable discharge mechanism, Range minimum 4 Meters, applicable on Class A,B,C and electrically started Fire, A Rating- 13A, B Rating 34B, Can Construction : Deep drawn & CO2 Mig welded, Valve Construction : Forging & Machining, The rate in inclusive of all material, transportation etc. for complete delivery at site or as per the direction of Engineer- in-charge or consultant. Make: Ceasefire/Equivalent. Rate in figure: Rate in word:	No	64		
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SI.No	Description	Unit	Qty	Rate	Amount
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2 Supply, installation, testing & commissioning of Ceasefire 9 Ltr Water type Fire Extinguisher, Stored Pressure Type, Pressure Gauge, Gross Weight 14.6 Kg, empty Weight 5.6 Kg, Can Height 611MM, Diameter 175MM, Discharge Time less than 120 Secs, Controllable discharge mechanism, Range minimum 6 Meters, applicable on Class A Fire, A Rating 13A, Can Construction : Deep drawn & CO2 Mig welded, Valve Construction : Forging & Machining, Internal Coating of Can : Epoxy Powder coating, External Coating of Can : Epoxy Polyester Powder coating, Sheet metal thickness : 2.0MM, ISI and EN Approved, Hileum Leak Detection tested, 1 Year Warranty. The rate in inclusive of all material, transportation etc. for complete delivery at site or as per the direction of Engineer- in-charge or consultant. Make: Ceasefire/Equivalent.

No 12

Rate in figure:
Rate in word:

3 Supply, installation, testing & commissioning of Ceasefire 4.5Kg, Co2 Gas Type Fire Extinguisher, Trolley Mounted, Easy Weight Management, Used Unused Mechanism, Squeeze Grip, Gross Weight 19.1 Kg, empty Weight 14.6 Kg, Can Height 857MM, Diameter 140MM, Discharge Time less than 10 Secs, Controllable discharge mechanism,Applicable on Class B&C Fire, B Rating 21B, Can Construction : Hot Spinning / Forging, Valve Construction : Forging & Machining, Internal Coating of Can : Not Applicable, External Coating ofCan : Spray Painting, Sheet metal thickness : 4.5MM, ISI Approved, 1 Year Warranty. The rate in inclusive of all material, transportation etc. for complete delivery at site or as per the direction of Engineer- in-charge or consultant. Make: Ceasefire/Equivalent.

No 4

Rate in figure:
Rate in word:

TOTAL Rs

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Rate in figure:
Rate in word:

SI.No	Description	Unit	Qty	Rate	Amount
B	First-Aid Box	No	16		
C	SIGNAGES				
1	Providing and installing in position the following type of sign boards made out of 3mm thick "Opaque" PVC foam board with computer cut, PVC non-reflective self adhesive vinyl painted foam board, complete with mirror fasteners. Rate in figure: Rate in word:				
a	Signage with printed "IN CASE OF FIRE, USE STAIRS UNLESS INSTRUCTED OTHERWISE" of 1.5cm height letters in red with white back ground.The size of the board shall be 25cm x 30 cm and shall be fixed at the height of 2 mts. from finished floor near Manual call points. Rate in figure: Rate in word:	No	12		
b	Floor identification Signage (ie, GROUND FLOOR ...etc.) at each stair enclosure on every floor, indicating the floor number in words, lettering size shall be 7.5 cm with contrasting colour from back ground.Size shall be 15cm x 60cm. Rate in figure: Rate in word:	No	16		
c	Signage with the following text "FIRE EXIT" at strategic location on every floor, lettering size shall be 7.5 cm with contrasting colour from back ground.Size shall be 15cm x 60cm. Rate in figure: Rate in word:	No	10		
d	Signage with the following text "FIRE EXIT" at strategic locations on every floor, indicating the directional arrows both sides, lettering size shall be 7.5 cm with contrasting colour from back ground.Size shall be 15cm x 60cm. Rate in figure: Rate in word:	No	73		

SI.No	Description	Unit	Qty	Rate	Amount
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2 Providing and fixing in position the signages" FIRE ORDER" it should contain the following matter on 3mm thick "Opaque" PVC foam board of computerized cut, PVC non-reflective self adhesive vinyl painted foam board of 3' x 4'.

A) Alert The Security At Security Room By Actuating Manual Call Point Located At Strategic Locations.

No 1

Rate in figure:

Rate in word:

B) Evacuate The Occupants By Using Fire Exits And Emergency Exits Only And Assemble At Various Assembly Poits.

C) If Possible Try To Extinguish The Fire By Using Nearest / Suitable Portable Extinguisher Or Water From Nearest Wet Riser.

D) Be Calm And Do Not Give Any Room From Panic, Walk, Do Not Run.

E) If You Encounter Serious Difficulty In Evacuation, Flat And Try To Attract Attention Of Rescue Team.

b Action By Security/Reception Upon Receipt Of Information Through Fire Alarm Orfire Detectors Or By Using Public Address System.

No 1

Rate in figure:

Rate in word:

A) Alert The Occupants By Using Public Address System.

B) Inform Fire Control Through Any One Of The Following Phone Numbers: 101 Or Any Three Nearest Fire Stations Numbers.

C) Refer Evacuation Plan From Evacuating Standard People.

D) Guide The Fire Force, On Their Arrival To The Seat Of Fire.

E) In Case Of The Casualties, Call Ambulance By Dialling Number.....

FIRE FIGHTING AGNECY -----

SI.No	Description	Unit	Qty	Rate	Amount
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PHONE : -----

FAX : -----

3	Indication signage - Fire Extinguishers	No	80		
	Rate in figure:				
	Rate in word:				

TOTAL Rs. -

Rate in figure:
Rate in word:

TOTAL (A+B+C) -

Rate in figure:
Rate in word:

**INTERIOR ELECTRICAL WORKS
DETAIL ESTIMATE FOR INTERNAL ELECTRICAL INSTALLATION WORKS**

(Sec. - A)

1 Supply of all required materials and recessed (concealed) wiring to proposed light points / fan/ exhaust fan/ call bell points with 2 (1 x1.5 sq.mm) PVC insulated 1000v grade FRLS copper wire run inside 19 mm PVC conduit pipe of 14 SWG or flexible conduit pipe laid on surface concealed in wall / ceiling along with 1 (1 x 1 sq.mm.) PVC insulated FRLS copper wire as earth continuity conductor and complete in all respect including with use of clip-in type modular plates, boxes, switches, ceiling roses, junction boxes with bakelite cover as specified and making good to the damages caused and complete as per direction of PMC

(a)	Light points.	No.	30		
	Rate in figure:				
	Rate in word:				

SI.No	Description	Unit	Qty	Rate	Amount
2	Supply of all required materials and recessed wiring to 2/3 pin clip-in modular type 5 Amp plug socket points with 2 (1 x 2.5 sq.mm.) PVC insulated 1100 V grade stranded single core FRLS copper wire run inside 19 mm PVC Conduit (14 S.W.G) pipe laid concealed in surface wall / ceiling along with 1 (1 x 1.0 sq.mm) PVC insulated FRLS copper wire as earth continuity conductor and complete in all respect including 5 pin 5 A sockets, switches, plates, boxes and cover as specified and making good to the damages caused and complete with all respect as per the direction of PMC				
(a)	Existing Rate in figure: Rate in word:	No.	20		
(b)	Separate Rate in figure: Rate in word:	No.	16		
3	Supply of all required materials and recessed wiring to clip-in modular type 6 pin, 15/5 Amp plug socket points on surface of wall including the modular boxes switches with indicator plates, screws and complete in all respect including making good to the damages caused and as per direction of PMC	No.	8		
	Rate in figure: Rate in word:				
4	Supply of all required materials and recessed wiring to circuit / sub-mains with following number and sizes of PVC insulated FRLS 1100 volt grade stranded copper wire run inside 19/25 mm PVC conduit (14 S.W.G.) pipe laid on surface of wall / ceiling and copper wire as earth continuity conductor and complete in all respect including making good to all damages caused and as per the direction of PMC				
(i)	Recessed wiring with 2 (1 x 2.5 sqmm) + 1 x (1 x 1 sqmm) copper wire from LDB to SDB. Rate in figure: Rate in word:	Mtr.	850		

SI.No	Description	Unit	Qty	Rate	Amount
(ii)	Recessed wiring with 2 (1 x 4 sqmm) + 1 x (1 x 2.5 sqmm) copper wire from LDB to individual 16 Amp. Socket & A.C. Point. Rate in figure: Rate in word:	Mtr.	250		
(iii)	Recessed wiring with 2 (1 x 1.5 sqmm) + 1 x (1 x 1 sqmm) copper wire for looping proposed Rate in figure: Rate in word:	Mtr.	400		
(iv)	Recessed wiring with 2 (1 x 6 sqmm) + 1 x (1 x 2.5 sqmm) copper wire. Rate in figure: Rate in word:	Mtr.	150		
5	6 Way 1Phase DB				
	Supply of all required materials, installation, testing and commissioning company made board of approved make on the wall (Board shall be of min 16 SWG thick sheet steel, with suitable rating for termination of incoming wires, ELCB (overload, short ckt and earth leakage protection), MCBs and space for two nos of spare MCB)(all termination shall be done by using proper size of Lugs). Making good to all damages caused and complete with all respect as per direction of Engineer-in-charge.				
	Incoming				
	40 Amp DP ELCB - 1 No.				
	Outgoing				
	25 Amp SP MCB - 6 Nos. Rate in figure: Rate in word:	Set	1		
6	Providing and fixing of 63 Amp TPN SFU with encloser for solar system as per the direction of Engineer-in-charge or Consultant. Rate in figure: Rate in word:	No.	1		

SI.No	Description	Unit	Qty	Rate	Amount
7	Supply of all required material and laying, testing, commissioning of following sizes 1.1KV grade PVC insulated armored aluminium power cable laying in pre-laid Hume pipe/G.I. Pipe if required and fixing only of cable channel support as supplied and painted with red oxide and aluminium paint including supply of cleats, supports, fasteners and accessories etc. properly clamping of cable and complete with all respect as per the instruction of Enginner-in-charge or Consultant.				
(a)	3 x ½ x 50 sqmm Ar. AL cable. Rate in figure: Rate in word:	Mtr.	40		
8	Termination of cable of the following sizes by providing cable glands lugs etc. and complete with all respect.				
(a)	3 x ½ x 50 sqmm Ar. AL cable. Rate in figure: Rate in word:	Set.	2		
9	Supply and fixing of 3meter Electrode chemical earthing with 58mm G.I galvanized electrode and 25x3mm G.I inner Strip with 50x6mm copper connecting terminal with 2bags of BFC (50kg) Rate in figure: Rate in word:	No.	4		
10	Supply and erection of G.I.earthing strip size 25x3mm Rate in figure: Rate in word:	Meter	40		

Total :

Rate in figure:
Rate in word:

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FITTING & FIXTURES : (Sec. - B)

- 11 Supply, delivery, installation, testing and commissioning of the following fittings / fixtures complete with all required accessories and lamps on wall / ceiling as per the direction of PMC

SI.No	Description	Unit	Qty	Rate	Amount
(a)	Indoor decorative luminaire for surface as well as wall mounting regal batten for LED tube light fitting Philips/Havells Catalogue No. LHFYBYPNIA1W022 diffused for 18w LED Model No. LHLDC LXNUK8Z018 and complete with all other accessories making good in all respect with complete testing as per direction of PMC. Rate in figure: Rate in word:	No.	550		
(b)	Indoor decorative luminaire for surface as well as wall mounting regal batten for LED tube light fitting Philips/Havells Catalogue No. LHFYBYG2IN1W020 diffused for 2X18w LED Model No. LHLDC LXNUK8Z018 and complete with all other accessories making good in all respect with complete testing as per direction of PMC. Rate in figure: Rate in word:	No.	64		
(c)	Providing and fixing of 1 x 10 W LED Philips/Havells make Cat. No. LHLDERUEMD8X010 with testing and complete with all accessories as per the direction of PMC Rate in figure: Rate in word:	No.	430		
(d)	Surface mounted light Philips/ Havells make Cat. No. LHEAAGP6PL1W015 for 15W LED 4000K and complete with all other accessories including fixing and making good in all respect with complete testing as per direction of PMC Rate in figure: Rate in word:	No.	12		
12	Supply and deliver of 200 MM sweep 900 rpm exhaust fan CG/Havells make Model No. VENTILAIR DX suitable for operation at 230 V 50 Hz A.C. supply complete with assembly including making hole of suitable size for housing of exhaust fan, making good to the damages caused, connection of exhaust fan with 3 core 1.5 sqmm PVC insulated and standed copper cord as per direction of PMC Rate in figure: Rate in word:	No.	103		

SI.No	Description	Unit	Qty	Rate	Amount
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13 Supply, deliver of 1200 mm sweep A.C. ceiling fan CG/Havells make Model No. **Vogue plus** ivory-pearl brown colour complete with fan blades, down rod of suitable length, capacitor etc. including connector to ceiling rose all complete as per direction of PMC
 Rate in figure:
 Rate in word:

No. 320

TOTAL

Rate in figure:
 Rate in word:

(A + B) TOTAL

Rate in figure:
 Rate in word:

For M/s. RATH ARCHITECTONIC.