



**MISHRA DHATU NIGAM LIMITED  
P.O.KANCHANBAGH, HYDERABAD**

**Part-II (PRICE BID)**

**REFURBISHING OF 12 NO'S HOSTEL ROOMS AT  
CORPORATE OFFICE, MIDHANI,  
KANCHANBAGH, HYDERABAD-58.**

**PURCHASE DEPARTMENT****Tender Notice No: MDN/AP2071017/EADVT/176/17-18****Date:-28-09-2017****Sub: - REFURBISHING OF 12 NO'S OF HOSTEL ROOMS AT CORPORATE OFFICE ,  
MIDHANI - req**

1. Please find enclosed herewith a Tender Enquiry for the above work. You are requested to furnish your offer before last date of submission, along with Tender Fee Rs. 1000/- , EMD of Rs 99,555/- online through link <http://ebs.in/midhani/public> or visit midhani website [www.midhani.com](http://www.midhani.com) > purchase > Tenders > Tender fee, EMD fee (Earnest Money Deposit) and security Deposit –ONLINE PAYMENT. The Tender Fee and EMD have to be submitted separately. The tenders without EMD/tender fee amount will be rejected; request for adjustment from pending bill will not be entertained. Please confirm whether you are MSME Unit or MSME Unit owned by SC/ST Entrepreneur. If yes, please submit latest valid documentary proof for extending benefits as per government guidelines (Estimated value of work is Rs.39.82 Lakhs).
2. Tender shall be submitted through eprocurement Portal <http://eprocuremidhani.nic.in> ONLINE on or before 19-10-2017 up to 10.30 hrs.
3. The period of completion of job will be 9 months in staggered manner ( viz: 4 rooms per phase and 3 months time period for each phase) from the date of handing over of site. Time is essence of the contract; contractor has to mobilize materials & labour to complete within 9 months in staggered manner ( viz: 4 rooms per phase and 3 months time period for each phase).
4. The tenderer shall inspect the site of work and understand the scope of work before quoting. No extra amount will be paid on account of misunderstanding either in scope of work, specification, drawings, site conditions etc.
5. All materials required for the work shall be arranged by the contractor unless until specified in Bill of Quantities.
6. The work shall be carried out as per MES-SSR-2009 specifications.
7. This is an item rate contract and the quantities are approximate, but payment will be made only on actual work done based on joint measurement.
8. **GST or any other tax and duties prevailing to be indicated explicitly at the time of submission of tender in respect of this contract and shall be payable by the contractor and it is deemed that the rates / amount quoted for this work are inclusive of above mentioned taxes. MIDHANI will not entertain any claim whatever in this respect. Tender should clearly make a declaration to this effect in his quotation failing which his tender will not be qualified for Price bid opening.**
9. Nine R. A Bills and one Final Bill will be paid. The contractor has to furnish all material bills along with each bill (if any).
10. R.A Bill will be paid within 15 days from the date of certification of Engineer-in-charge. However, Final payment will be made within 30 days after satisfactory completion of work and certification by Engineer-in-charge.

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11. a) **Security Deposit (S.D):** The successful tenderer has to submit 5% of Work order value as a security deposit in the form of D.D/ Bank Guarantee at the time of entering / signing the contract. Further, EMD deposited will be adjusted in 5% Security Deposit & the security deposited will be released after satisfactory completion of work and after certification of Engineer-In- Charge.
- b) **Retention Money :** A sum of 5% of gross value of work order will be deducted from each running bill and final bill. The same will be released after the completion of defect liability period of 12 months and after certification of Engineer –In- Charge. Also, contractor can submit Bank Guarantee for equivalent amount in the prescribed format issued by nationalized or scheduled bank and same shall be valid for defect liability period + 3 months claim period.
12. The security and safety rules of MIDHANI to be followed. The contractor shall take care of all labour laws regarding minimum wages, ESI, PF, C.A.R. Policy, Group Insurance etc., Midhani is no way responsible in this respect. Midhani is not liable for any claim in respect of any accidents during the work.
13. (a) MIDHANI reserves the right to operate partial or delete any item specified in BOQ without any compensation to contractor for the items un-operated or deleted.
- (b) If at any time after acceptance of the tender MIDHANI feels that for any reasons whatsoever, if the whole or any part of the contract services is not required to be carried out, notice shall be given in writing of the fact to the contractor and upon receipt of such notice, the contractor shall stop the execution of such services as indicated in the notice forthwith. The contractor shall have no claim to any payment of compensation or otherwise whatsoever on account of any profit or advantage which he might have derived from the execution of the services in full, but which he did not derive in consequence of the foreclosing of the services / contract. Contractor shall be paid at contract rates for the full amount of the work executed including such additional services as may be rendered necessary by said foreclosing.
14. Any new items (viz. supply of material, labour, skilled works etc) will be paid as per (a) or (b) whichever is less:
- As per MES-SSR 2016 rates with applicable Percentage Index at that time.
  - As per market rate analysis.
15. The contractor should not cause any loss or damage to MIDHANI property/or personnel, if any loss or damage is caused the cost of the same will be recovered from the bills by MIDHANI, which will be final.
16. The quantities are subjected to  $\pm 20\%$  variation and the contractor has to carry the work on the same rates, terms and conditions within the variation limits prescribed. In case if the quantities exceeding beyond 20% of the BOQ, the exceeding quantities beyond 20% shall be executed at the rates lowest among the tender.
17. If the contractor fails to receive the work order within a week time from the date of intimation to him or if the contractor does not start the work within 3-7 days from the date of handover of site, or if the work is abandoned / stopped without bringing proper notice to Engineer-in-charge, the contract will be terminated and balance work will be carried out at the cost and risk of contractor.

18. Liquidated Damages: - a) If the work is not completed within stipulated time, liquidated damages at 1% per week delay up to maximum of 10% total value of work will be deducted.  
b) If the delays are not attributed to the contractor, the competent authority holds the right to waive off the L.D or reduce the L.D as the case may be.
19. Midhani reserves the right to penalize  
a) If the contractor fails to submit the 5% Security deposit within the stipulated period, then penalty of Rs 1000 per day maximum of 10,000.00 will be collected and further delay will empower MIDHANI to termination of contract and apply risk purchase.  
b) If the contractor fails to receive the work order within 3 days of intimation, then a penalty Rs 500 per day will be levied subjected to maximum of Rs 5000.00. Further delay will empower MIDHANI to termination of contract and apply risk purchase.  
c) Contractor has to maintain "HINDRANCE REGISTER" which is to be certified by both MIDHANI Site engineer and contractor engineer before release of final bill.
20. The offer shall be valid for 3 months from the date of opening of tender.
21. Incomplete or partially filled tenders will be rejected. Also, conditional offers are liable for rejection. MIDHANI reserves the right to accept or reject any or all tenders without assigning any reasons.
22. Contractor has to maintain site record, hindrance record, record for steel, cement etc.
23. Site has to be cleaned by the contractor before handing over to MIDHANI after completing the work. The final bill will be processed only after obtaining site cleaning certificate from the Engineer-in-charge.
24. The Earnest money deposit can be encashed if the tenderer withdraws his tender proposals / modifies / changes / alters / impairs / derogates the tender document on his own after the first cover is opened or within the subsistence of the validity period of offer or fails to accept the Letter of Award (LOA) issued by MIDHANI or fails to submit security deposit or fails to turn-up and execute contract agreement or fails to commence the work as per LOA. Such bidders will be banned subject to action as may be deemed fit. In case of unilateral revision or withdrawal of offer by the bidder as above, shall also result in rejection of bid without notice. If there is any authentic information about the intending tenderer having formed a cartel / submitted Non-earnest bids, the tender will be cancelled and the Earnest Money Deposit of all the tenderer shall be forfeited, besides initiating actions like banning as may be deemed fit.

Yours faithfully,  
For Mishra Dhatu Nigam Limited

**T.RaghuRam**  
**Addl. General Manager (Purchase)**

- DECLARATIONS: - 1) I have seen the site and understood the full scope of work, specified in tender, BOQ, drawings etc.  
2) I agree to return all the documents along with this offer.  
3) I have taken into account of points circulated in Minutes of Pre bid Meeting circulated on MIDHANI website, if posted

CONTRACTOR  
SIGNATURE AND SEAL

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P.S;- 1. All Parties shall attend pre bid meeting on 12-10-2017 at 15.00 Hrs PURCHASE DEPARTMENT.

<b>BOQ FOR REFURBISHING OF WASH ROOMS OF 12 NO'S AT HOSTEL CORPORATE OFFICE</b>					
<b>Part-A Civil &amp; Plumbing works</b>					
<b>S.No</b>	<b>Description</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
				<b>Rs. Ps.</b>	<b>Rs. Ps.</b>
1	Dismantling of brick work at Ground floor and First Floor rooms of hostel building and removing the debris & disposal within 500m radius, with complete cleaning etc.	cum	34.68		
2	Dismantling of the following items for Each rooms at hostel and removing the debris & disposal within 500m radius, with complete cleaning etc.				
	(a) Granite plot form including wash basin,	each	12.00		
	(b) European water closet	each	12.00		
	(c) existing water pipe lines in the toilet room	Rm	960.00		
	(d) sewer pipe lines of 6",4" and 3"	Rm	144.00		
3	Dismantling of Floor tiles, wall tiles etc of hostel building rooms and removing debris and waste materials disposal within 500m radius, with complete cleaning etc.	Sqm	293.52		
4	Dismantling of the following items and handover the items to the civil department at plant complete including cleaning etc				
	(a) steel windows with grills	No's	48.00		
	(b) steel ventilators	No's	12.00		
5	Providing and application of water proofing treatments for the wall and floor with pressure grouting by with quick setting, rapid hardening compound and closing the Grouting of holes with specialized free flow, non shrink grout additive rapid strong grout admixer @ 0.25 kg per 50 kg bag of cement and sealing the hole with polymer cement putty, application of two coats of specialized acrylic polymer elastomeric cementitious water proofing treatment, , application of one coat of acrylic polymer bonding agent, after the bond coat application , on wet condition immediately laying of impervious coat 1:4 ratio by mixing with acrylic polymer modified reinstatement mortar of thick 20mm with neat finish complete.	Sqm	98.28		

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6	Providing & Laying Concrete M20 slab along with fixing the Reinforcement by welding with the old exposed reinforcement including fixing and removal of shuttering after casting the slab complete with 10 days curing . The size of the slab to be cast is 1.5 m x 0.75 m	Each	12.00		
7	a) Providing and fixing wall concept tiles (make AGL / Kajaria ) 2.0"x1.0" size including back up plastering with (1:3) mortar in 25mm thickness cement motor base ) and finishing joints with coloured pigment matching to tiles complete at all heights and level including skirting, dadoo etc., complete.	Sqm	432.00		
	b) Providing and fixing non skid floor tiles (make AGL / Kajaria ) 1.0'x1.0' size including back up plastering with (1:3) mortar in 25mm thickness cement motor base ) and finishing joints with coloured pigment matching to floor tiles etc., complete.	Sqm	138.24		
8	a) Providing & fixing star white (Hindware make) Wash basin – Berlin model - catalog No 91075 fixing to the wall as per the specification given by Hindware sanitary India Limited drawings enclosed. The cost includes supply and fixing of heavy duty PVC flexible connection inlet pipe upto 1.50 mtrs long. Also PVC flexible outlet pipe (heavy duty) , two no's angle cocks- model no-F280004 , waste coupling 32mm, waste pipe, rag bolt / brackets, hole jali, and making good in walls where ever required.	NO's	12.00		
	b) Providing and fixing of Piller cock , element model -Cat No: F360001CP complete.	No's	12.00		
9	Providing & fixing cascade model over head shower (Hindware make) cataloge No F160067 with shower rod extension and connected accessories complete and fixing of wall mixer ( Hindware make) With 115mm long bend pipe cat no - F280018 and additional angle valve model no- F280004 for geycer point etc., as per standard specifications.	NO's	12.00		

10	(a)Providing & fixing European water closet (Hindware make) model Athens, catalog No:- 92511 (S-30) white including the cost of providing & fixing seat cover, angle cock - model no-F280004, 100 X 75 S-Trap, heavy duty PVC connection inlet pipe etc., closing the joints with white/ coloured cement wherever necessary as per the installation guide given in Hindware sanitary limited.	Each	12.00		
	(b) Providing and fixing of Paper holder, Cat No: F880003 complete.	Each	12.00		
	(c) Providing and fixing of Health Faucet, Cat No: F160068 complete & Bib cock 2 in 1 tap 15mm nominal bore cat no - F380003 with plunge.	Each	12.00		
11	Providing & Fixing 4" / 3" (100/75) PVC Nahani floor trap including Double jali (pvc)with all fittings complete	Each	48.00		
12	Providing & Fixing 75dia (3") UPVC pipe including bends, clamps ,Tee, etc., with all connected fittings scaffolding arrangement complete.	Rm	57.60		
13	Providing & Fixing 100 / 110 mm UPVC outlet pipe including bends,clamps, Tee etc. with all connected fittings scaffolding arrangement complete.	Rm	120.00		
14	(a)Providing & Fixing 25 mm dia UPVC line including bends, Tee etc. with all connected fittings scaffolding arrangement complete i.e chipping in walls & making provision for water line connections and finishing with cement plaster complete.	Rm	408.00		
	(b)Providing & Fixing 20 mm dia UPVC line including bends, Tee etc. with all connected fittings scaffolding arrangement complete i.e chipping in walls & making provision for water line connections and finishing with cement plaster complete.	Rm	36.00		
15	Providing & construction Brick work 4" wall with second class bricks locally available best quality bricks of class above plinth level at all heights in all shapes and sizes in Cement mortar 1:6 (1 cement : 6 coarse sand) including scaffolding, curing, tools, tackles etc complete.	Sqm	88.68		



16	providing and plastering 20 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 8mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge including scaffolding, curing etc complete.	Sqm	188.28		
17	Providing & fixing electro frosted 12mm toughened glass partition cum doors with connected CP brass fittings like big size handles, latches, floor spring, D-brackets,hinges etc., as per the specification of EIC and with silicon fixing if required complete. cost includes chipping of floor for instalation of floor spring and making good floor with cementing matching with the existing floor complete.	Sqm	82.08		
18	Supply and fixing in position powder coated aluminum fully glazed windows of approved colour using Aluminium 3 track box section frame of size 61.85 x 31.75 mm x 1.50 mm for top and vertical sides and 61.85 x 31.45 x 1.50 mm for frame bottom using sliding shutters made out of aluminum section 40 x 18 x 1.45 mm for inside the h-section for top and bottom and plain section for ends including making window wearing seal proof with silicon grouting all round the gaps between frame and the wall and mounted in fiber wheels 2 nos for each shutter and fixed 5 mm Thick plain float glass 1st quality with necessary PVC rubber beeding alround including providing 2 nos maruti lock cleat for window with 7.5mm and the third track with quality masquito mesh with aluminum grill as approved by the department @ 3.58/kg/m2 including cost and conveyance of all materials, labour charges for making, erecting in position etc., complete.	Sq.m	16.08		
19	Supply and fixing in position powder coated aluminum louvers with provision of Exhaust fan 1' x 1' ventilators of approved colour using Aluminium sections and 5mm thick glass and a separate masquito mesh frame at back side of the ventilator by giving the provision for opening the flips of exhaust fan complete including cost and conveyance of all materials, labour charges for making, erecting in position etc.,at all heights & levels complete.	Sq.m	5.40		

20	Providing & fixing of vertical fabric venetian blinds made of glass fiber fabrics in width 5"(or 4") minimum overlapping of 3/4" in fabric. . Top aluminum anodised rail of 1.4mm thickness. 2 inch wide channel with front lamination of same fabric. runners having stainless steel hooks with built-in-shock spring and self aligning slip clutch. end control box composed of double gear system. stainless steel spacers. bottom with fully plastic covered link bead chain as per manufacturers specifications complete.	Sq.m	19.80		
21	Providing and fixing false ceiling in Gypsum Board 12mm thick / Bison panel or water proof ceiling boards fixed with Anodised aluminium grid frame work with Hangers 6 mm dia. G.I. adjusting level fixed to roof slabs by means of ceiling The cost includes cost of joining with gypsum tape and finishing as a seamless surface with plaster of paris and one coat of primer and two coats of OBD complete.	Sq.m	312.00		
22	Providing & painting One coat primer & two or three coats OBD painting (Asian make) for walls with Birla putty finish 2 coats, including surface preparation of walls including crack filling with suitable materials complete, as per instructions of Engineer-In-Charge at all heights & levels including scaffolding arrangement and cleaning paint markings on floor, doors, skirting and on glass doors and windows complete.	Sq.m	669.12		
23	providing and fixing of flush door of 30mm thick with two sides veneer including hardware like Hinges, tower bolt stopper and door closer of Godrej cat no - 8292/C071/9363 with polishing of doors and chowket for finished two coats and also fixing mortised godrej lock with screws of model no - 7723 , lock body no - 6700 and cylinder cat no - 8449.	each	12.00		
24	Providing and fixing of mirror 8 mm of size 2' x 4' with 1" around bevelling edge and providing holes in mirror and walls along with fixing the CP studs.	each	12.00		
25	Providing and fixing CP brass soap dish holder having length of 138mm, breadth 102mm, height of 75mm including making the necessary cutouts for recessing with concealed fitting arrangements. cat no - F840004.	each	12.00		
26	Providing and fixing of Towel Rod of CP brass frame cat no - F880005 with screws, making walls and drilling, fixing complete.	each	12.00		
27	Providing and fixing Concealed stop cock with adjustable wall flange (20mm) cat no - F200008	each	12.00		

28	Providing and fixing of Ball valve for hot and cold water of 1" with all connected fittings scaffolding arrangement complete.	each	24.00		
29	Providing and fixing of water proof curtain for shower area of size 2.30m X 2.0m along with the arrangement of curtain supports with track etc., as per the given specification complete.	each	12.00		
30	Dismantling of celing with Aluminum grid frame and removal of scrap from the site upto a lead of 200 m as per market rate.	Sqm	180.00		
31	Providing and construction of Manhole chambers (600 X 600 mm ) dia at bottom & top respectively to a depth of 750 mm with FPS bricks of 230mm thick with cm (1:6) including plastering the surfaces and cement punning inside the chamber and also to provide the concrete cover on the top with frame arrangement complete.	each	8.00		
32	Providing & Fixing 200 mm dia SWR pipe line including bends, collers, etc.with all connected fittings complete. Cost includes excavation and refiling of soil after laying the pipe line with proper jointing and sloping complete.	Rm	45.00		
33	Providing & Fixing 300 mm dia SWR pipe line including bends, collers, etc. with all connected fittings complete.cost includes excavation and refiling of soil after laying the pipe line with proper jointing and sloping complete.	Rm	45.00		
34	Providing and fixing of 50 mm dia CPVC line including bends, Tee etc. with all connected fittings and scaffolding arrangement complete.	Rm	70.00		
35	Providing & construction Brick work with second class bricks locally available best quality bricks of class above plinth level in all shapes and sizes in Cement mortar 1:6 (1 cement : 6 coarse sand) including scaffolding, curing, tools, tackles etc complete.	Cu.m	18.00		
36	Providing& construction CRS walls built in cement mortar (1:6) (cement : sand) including labour for cutting stone to required size and shape, mixing of cement mortar, construction, curing etc complete.	Cu.m	10.50		
37	<b>Supply of labour</b>				
a)	Skilled labour	No's	15.00		
b)	Un skilled labour	No's	25.00		
		<b>Total Amount of Part'A'</b>			

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PART 'B'								
BOQ for Lighting and AC wiring for Hostel (for 12 rooms).								
S. No	Description	UoM	Qty	Supply Rate	Service Rate	Supply Amt	Service amount	Total
1	<p>Supply of 1.5 TON High Wall mounted Split Air Conditioner,5 Star Rating, With cord less remote.Copper Coil for condenser, MAKE- VOLTAS, BLUE STAR. Installation and commissioning of Split AC's by following activities:-</p> <p>1) Installation of High Wall mounted Split AC with all required accessories like Frame, Angular stand for out door unit etc. 2) interconnection wiring of Indoor and out door units . 3) Installation and fixing of Cu pipes from Indoor unit to Out door Unit.</p>	No's	12					
2	<p>Supply of AC supply Points with 20Amps MCB,C-Curve, Metal Canceled Box, Flush Mounting type,with plug and top of suitable rating. Make-HAVELLS,LEGRAND,L&amp;T Providing ,fixing and termination of the AC points, From the Ac point to the Distribution/junction/main supply Box in the Room, by following activities-</p> <p>(a) laying and fixing of PVC conduits, with all misc items like clamps connectors ,PVC circular Junction Boxes.</p> <p>(b) 4 Sqmm,flexible, Cu Cable R,Y and B color coded , Make-KEI,HAVELLS,Anchor/finolex.wit h suitable termination accessories like lugs.</p> <p>(c) Laying of GI wire for body earthing up to the Distribution</p>	No's	12					

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	Box/earthing point in the room, Size 16SWG. (d) civil works like chipping and plastering, of the path in which the laying done.							
3	Supply of Key Card Main switch, Card Insertion type , Card must be suitable for use as key Tag, 32 Amps, 230VAC, 50Hz. with all mounting accessories necessary for concealed mounting, Make-ANCHOR, HAVELLS, LEGRAND. Providing ,fixing and termination of Key card Main switch by following Activities:- 1) Providing and fixing of key card switch in concealed manner.2) laying and fixing of PVC conduits, with all misc items like clamps connectors ,PVC circular Junction Boxes. for Incoming and out going supply from main incoming source inside room to the switch and out going to the junction/ distribution box.3) Laying of 4 Sqmm Cu Flexible cables inside conduits of required length.4) Body earthing of the switch if any point is given for the same in the switch.	No's	12					
4	Call bell (to be mounted inside room)With suitable Push button switch(To be mounted out side room), 230Vac, 50Hz, single phase, Electronic type, white color,Make:-ANCHOR,BAJAJ,HAVELLS,LEGRAND, CROMPTON. Fixing and termination of the Call bell and switch by following activities to complete the circuit from Call bell push button, Supply source and the Call bell.:- 1) laying and fixing of PVC conduits, with all misc	No's	12					

	items like clamps connectors ,PVC circular Junction Boxes. 2) Laying of 2.5/1.5 Sqmm Cu Flexible cable inside the conduits.3) erection and fixing of Call bell push button out side room adjacent to room in concealed manner with all required accessories.							
5	Night Light/ Foot Light, LED type, 230VAC, 50Hz ,concealed mounting type with Concealed metal boxes, cover frame(if required),with all required accessories, Make-ANCHOR,BAJAJ,HAVELLS,LEGRAND, CROMPTON. Fixing and termination of Night foot light by following activities:-1) laying and fixing of PVC conduits, with all misc items like clamps connectors ,PVC circular Junction Boxes. 2) Laying of 2.5/1.5 Sqmm Cu Flexible cable inside the conduits.3) Fixing and termination of the Night light/foot light in concealed manner with all wiring termination up to the switch board allotted for the same as per instruction of Engineer incharge.	No's	12					
6	Supply,Installation and Testing of LED recess mountinglights,2ftx2ft with all wiring work,Power-36W,1Ph,230Vac,50Hz,Make-BAJAJ,HAVELLS,SISKA/CROMPTON/PHILLIPS. Scope shall also include following activities- (a) Providing of Cut outs in False ceiling. (b) Installation and Fixing of LED lights . (c) Wiring of the lights with laying of PVC conduits, and required accessories, in	No's	48					

	<p>concealed manner.  (d) Laying of 1.5 Sqmm , Flexible,Cu Cable, R,Y and B color coded. Make:-Make-KEI,HAVELLS,Anchor/finolex.with suitable termination accessories like lugs.  (e) Laying and Fixing of GI body earthing wire as and when required. (f) All civil works like chipping and plastering of wall will be under the scope of vendor.</p>							
7	<p>Recessed Mounting LED ceiling lights,Power-15W,1Ph,230Vac,50Hz,Make-BAJAJ,HAVELLS,SISKA,crompton ,phillips. Scope shall also include following activities-</p> <p>(a) Providing of Cut outs in False ceiling.  (b) Installation and Fixing of LED lights .  (c) Wiring of the lights with laying of PVC conduits, and required accessories, in concealed manner.  (d) Laying of 1.5 Sqmm , Flexible,Cu Cable, R,Y and B color coded. Make:-Make-KEI,HAVELLS,Anchor/finolex.with suitable termination accessories like lugs.  (e) Laying and Fixing of GI body earthing wire as and when required. (f) All civil works like chipping and plastering of wall will be under the scope of vendor.</p>	No's	24					
8	<p>Supply,Installation and Testing of Fan, 48Inch Dia, ceiling mounting, with shaft length 300 to 500mm, single ph 230Vac, 50Hz, power consumption&lt;100W.Ivory Color , with all required accessories.Make-BAJAJ,</p>	No's	12					

	<p>Crompton,HAVELLS ,with step type electronic fan regulator suitable for modular switch boards SINGLE MODULE TYPE,color IVORY;Make-Crompton, legrand,Havells,BAJAJ.</p> <p>Scope shall also include following activities-</p> <p>(a) Providing of Cut outs in False ceiling.</p> <p>(b) Installation and Fixing of Fans with mounting arrangement.</p> <p>(c) Wiring of the fan with laying of PVC conduits, and required accessories, in concealed manner.</p> <p>(d) Laying of 1.5 Sqmm , Flexible,Cu Cable, R,Y and B color coded. Make:-Make-KEI,HAVELLS,Anchor/finolex.with suitable termination accessories like lugs.</p> <p>(e) Laying and Fixing of GI body earthing wire as and when required. (f) All civil works like chipping and plastering of wall will be under the scope of vendor.</p>							
9	<p>Ventilation Fan, for toilets,1phase 230Vac,Plastic body,Make-BAJAJ,HAVELLS,LEGRAND,CROMPTON.</p> <p>Scope shall also include following activities-</p> <p>(a) Providing of Cut outs in Existing window.</p> <p>(b) Installation and Fixing of Fans with mounting arrangement.</p> <p>(c) Wiring of the fan with laying of PVC conduits, and required accessories, in concealed manner.</p> <p>(d) Laying of 1.5 Sqmm , Flexible,Cu Cable, R,Y and B</p>	No's	12					



	color coded. with suitable termination accessories like circular JB's, lugs etc. (e) Laying and Fixing of GI body earthing wire as and when required. (f) All civil works like chipping of wall will be under the scope of vendor.							
10	<p>Modular switches with socket, 4x6 Amps switches with 1x6Amps Sockets + two dummy modules , flush mounting type, in a single board., with concealed metal box of suitable size, white color, modular Cover Frame. Make-BAJAJ,HAVELLS,LEGRAND, ANCHOR.</p> <p>Scope shall also include following activities:-</p> <p>(a) Chipping of Wall.</p> <p>(b) fixing of Metal concealed boxes.</p> <p>(c) Wiring of the switch board with incoming and out going flexible cables, with required accessories.</p> <p>(d) fixing of all other accessories of the switch board.</p> <p>(e) Laying and termination of GI earthing wire for body earthing as and when required.</p>	set	12					
11	<p>Modular switches with socket, 4x6 Amps switches with 1x6Amps Sockets+ 1 module space for Fan regulator(regulator supplied along with ceiling fan to fixed here)+ one dummy module, flush mounting type, in a single board., with concealed metal box of suitable size, white color, modular Cover Frame. Make-BAJAJ,HAVELLS,LEGRAND, ANCHOR.</p> <p>Scope shall also include following activities:-</p>	set	12					

	<p>(a) Chipping of Wall.</p> <p>(b) fixing of Metal concealed boxes.</p> <p>(c) Wiring of the switch board with incoming and out going flexible cables, with required accessories.</p> <p>(d) fixing of all other accessories of the switch board.</p> <p>(e) Laying and termination of GI earthing wire for body earthing as and when required.</p>							
12	<p>Modular switches with socket, 2x6 Amps switches with 2x6Amps Sockets, flush mounting type, in a single board., with concealed metal box of suitable size, white color, modular Cover Frame, Make-BAJAJ,HAVELLS,LEGRAND, ANCHOR</p> <p>Scope shall also include following activities:-</p> <p>(a) Chipping of Wall.</p> <p>(b) fixing of Metal concealed boxes.</p> <p>(c) Wiring of the switch board with incoming and out going flexible cables, with required accessories.</p> <p>(d) fixing of all other accessories of the switch board.</p> <p>(e) Laying and termination of GI earthing wire for body earthing as and when required.</p>	set	12					
13	<p>Modular switches with socket, 1x16 Amps switches , flush mounting type, in a single board., with concealed metal box of suitable size, white color, modular Cover Frame, Make-BAJAJ,HAVELLS,LEGRAND, ANCHOR</p> <p>Scope shall also include following activities:-</p> <p>(a) Chipping of Wall.</p>	set	12					

	<p>(b) fixing of Metal concealed boxes.</p> <p>(c) Wiring of the switch board with incoming and out going flexible cables, with required accessories.</p> <p>(d) fixing of all other accessories of the switch board.</p> <p>(e) Laying and termination of GI earthing wire for body earthing as and when required.</p>							
14	<p>Modular switches with socket, 1x16 Amps socket, dual socket with shutter , flush mounting type, in a single board., with concealed metal box of suitable size, white color, modular Cover Frame, Make-BAJAJ,HAVELLS,LEGRAND, ANCHOR</p> <p>Scope shall also include following activities:-</p> <p>(a) Chipping of Wall.</p> <p>(b) fixing of Metal concealed boxes.</p> <p>(c) Wiring of the switch board with incoming and out going flexible cables, with required accessories.</p> <p>(d) fixing of all other accessories of the switch board.</p> <p>(e) Laying and termination of GI earthing wire for body earthing as and when required.</p>	set	12					
15	<p>Modular switches with socket, 1x6 Amps switches with 1x6Amps Sockets with shutter for bathroom use, flush mounting type, in a single board., with concealed metal box of suitable size, white color, modular Cover Frame, Make-BAJAJ,HAVELLS,LEGRAND, ANCHOR</p> <p>Scope shall also include following activities:-</p> <p>(a) Chipping of Wall.</p>	set	12					

	(b) fixing of Metal concealed boxes. (c) Wiring of the switch board with incoming and out going flexible cables, with required accessories. (d) fixing of all other accessories of the switch board. (e) Laying and termination of GI earthing wire for body earthing as and when required.							
16	Modular switches with socket, 4x6 Amps switches, flush mounting type for Bathroom lighting and foot light/ Night light out side the door, in a single board., with concealed metal box of suitable size, white color, modular Cover Frame, Make-BAJAJ,HAVELLS,LEGRAND, ANCHOR Scope shall also include following activities:- (a) Chipping of Wall. (b) fixing of Metal concealed boxes. (c) Wiring of the switch board with incoming and out going flexible cables, with required accessories. (d) fixing of all other accessories of the switch board. (e) Laying and termination of GI earthing wire for body earthing as and when required.	set	12					
17	Supply of 4 Sqmm, flexible wires, R,Y ,B and Black color,1100V Grade, Cu stranded wires, Make-KEI,HAVELS,Anchor	Mtrs	360					
18	Supply of 2.5 Sqmm, flexible wires, R,Y ,B and Black color,1100V Grade, Cu stranded wires, Make-KEI,HAVELS,Anchor	Mtrs	660					

19	Supply of 1.5 Sqmm, flexible wires, R,Y ,B and Black color,1100V Grade, Cu stranded wires, Make-KEI,HAVELS,Anchor	Mtrs	600					
20	Supply of 1" PVC Conduits, Bends ,Junction Boxes and clamps and connectors for Internal wiring of Lighting system	No's	192					
21	Supply of Cable TV Point, concealed type, white color, with metal concealed Box, modular plate(if required) and cover frame. Scope shall also include following activities:- (a) Chipping of Wall. (b) fixing of Metal concealed boxes. (c) Wiring of the switch board with incoming and out going flexible cables, with required accessories. (d) fixing of all other accessories of the switch board. (e) Laying and termination of GI earthing wire for body earthing as and when required.	No's	12					
							<b>TOTAL AMOUNT OF PART 'B'</b>	

EMPLOYER

CONTRACTOR

<b>PART 'C' – TELEPHONE CABLE LAYING WORK</b>					
<b>S.No</b>	<b>Description</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	5 Pair Telephone Cable with Copper Conductor Dia 0.5mm PVC insulated for Indoor use. Make-Finolex	Meters	500		
2	1 inch 1.5 mm PVC conduit Pipes of 3 Meters length. Make-Sudhakar or any Reputed Brand	Nos	100		
3	1 inch PVC Bends	Nos	40		
4	1 inch 3 Way PVC Junction Boxes	Nos	20		
5	Dual Port RJ11 Modular Telephone Jack (Wall Plate with sockets). Make-Molex or any Reputed Brand	Nos	16		
6	Laying PVC Pipe on existing wall / Trench	Meter	100		
7	Laying of Telephone Cable through existing PVC Pipe	Meter	500		
8	Wall Chipping for Cable Trench and Cleaning of Waste Materials	Meter	50		
<b>Total Amount of Part'C'</b>					

**SUMMARY:**

TOTAL AMOUNT OF PART 'A' =  
TOTAL AMOUNT OF PART 'B' =  
TOTAL AMOUNT OF PART 'C' =

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GRAND TOTAL AMOUNT =

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EMPLOYER

CONTRACTOR