

BILL OF QUANTITIES FOR INTERNAL ELECTRICAL WORKS FOR MDA SAMAJVADI AWAS YOJNA AT MEERUT								
SUMMARY OF COST								
PHASE-1 (FLAT TYPE - A)								
S. No.	DSR / UPSOR - 2014	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT (UPSOR-2014)	AMOUNT (DSR- 2014)	AMOUNT (NON DSR / NON UPSOR)
<b>S.H.-I</b>		<b>UP SOR ITEM</b>						
1.0	131(B)	Wiring point for light with 1sq mm FR PVC insulated multistrand single core copper conductor cable in heavy guage rigid steel conduit pipe on surface, complete with 14 SWG copper earth continuity wire, piano type switch and ceiling rose /angle/ batten holder on 3 mm thick phenolic laminited bakelite sheet etc. complete in all respect, as directed.						
1.1	131(C)	Same as in item 131 (B) but in PVC conduit with 1.5 sq.mm FR PVC insulated multistrand copper conductor cable as earthwire drawn inside the conduit.	Pt.	2327	522.00			
2.0	133(B)	Wire point for fan / fresh air fan (light duty exhaust fan) with 1.5sq. mm. PVC insulated single core aluinium conductor cable in heavy guage rigid steel conduit pipe on surface, complete with 8 SWG GI earth continuity wire, piano type switches & ceiling rose on 3mm. thick phenolic laminated bakelite sheet etc. complete in all respects.						
2.1	133(C)	Same as in item 133 (B) but in PVC conduit with 1.5 sq.mm FR PVC insulated multistrand copper conductor cable as earthwire drawn inside the conduit.	Pt.	960	540.00			
3.0	187(A)	Add for light/ fan points with modular type switch in place of piano type of switch.	Pt.	2904	109.00			

S. No.	DSR / UPSOR - 2014	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT (UPSOR-2014)	AMOUNT (DSR- 2014)	AMOUNT (NON DSR / NON UPSOR)
4.0	132 (B)	Wiring point for two ways light with 1sq. mm.FR PVC insulated multistrand single core copper conductor cable in heavy guage rigid steel conduit pipe on surface, complete with 14 SWG copper earth continuity wire 2 nos. 2 way piano type switches & ceiling rose/ angle/batten holder on 3mm. thick phenolic laminated backelite sheet etc. complete in all respects, as directed.						
4.1	133(C)	Same as in item 132 (B) but in PVC conduit with 1.5 sq.mm FR PVC insulated multistrand copper conductor cable as earthwire drawn inside the conduit.	Pt.	120	750.00			
5.0	187 (B)	Add for 2 way light points with modular type switch in place of piano type of switch.	Pt.	120	198.00			
<b>6.0</b>		<b>M.S. BOXES-</b>						
6.1	159	Supply and fixing of switches box made up of 16 SWG(1.5mm)thick M.S sheet of 100X100X65mm size duly painted with red oxide primer and flushed in wall including cutting of brick work,fixing to the level with cement sand mortar, including matching colour wash with s/o all material, labour and T&P required for proper completion of work as directed at site by the engineer in charge.	Each	0	53.00			
6.2	160	Same as in item No.159 but of 150 X150X65mm size.	Each	0	86.00			
6.3	161	Same as in item No.159 but of 175 X100X65mm size.	Each	0	81.00			

S. No.	DSR / UPSOR - 2014	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT (UPSOR-2014)	AMOUNT (DSR- 2014)	AMOUNT (NON DSR / NON UPSOR)
<b>7.0</b>		<b>SUB MAIN WIRE-</b>						
7.1	211(B)	Supply and wiring of submain with two number 4 sq.mm. FR PVC insulated 1100V grade multistrand single core copper conductor cable in 20mm dia heavy guage rigid steel conduit on surface, with one no.14 SWG GI earth continuity wire, etc complete in all respect.						
7.1.1	211(C)	Same as in item 211 (B) but in 20mm dia heavy duty (2mm thick) PVC conduit with one number 2.5 sq.mm multistrand copper conductor cable as earthcontinuty wire drawn in conduit.	Meter	6501	134.00			
7.2	1301(B)	Supply and wiring of submain with two numbers 2.5sq.mm FR PVC insulated 1100V grade multistrand single core copper conductor cable in 20mm dia.heavy guage rigid steel conduit on surface,with one number 14 SWG GI earth continuity wire etc.complete in all respects.						
7.2.1	1301(C)	Same as in item 1301 (B) but in 20mm dia heavy duty (2mm thick) PVC conduit with one number 1.5 sq.mm multistrand copper conductor cable as earthcontinuty wire drawn in conduit.	Meter	8220	179.00			
7.3	212(B)	Supply and wiring of submain with two number 6 sq.mm. FR PVC insulated 1100V grade multistrand single core copper conductor cable in 20mm dia heavy guage rigid steel conduit on surface, with one no.14 SWG copper earth continuity wire, etc complete in all respect.						
7.3.1	212( C )	Same as in item 212 (B) but in 25mm dia heavy duty (2mm thick) PVC conduit with one number 4.0 sq.mm multistrand copper conductor cable as earthcontinuty wire drawn in conduit.	Meter	5570	188.00			

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7.4	213(B)	Supply and wiring of submain with two number 10 sq.mm. FR PVC insulated 1100V grade multistrand single core copper conductor cable in 25mm dia heavy guage rigid steel conduit on surface, with one no.10 SWG copper earth continuity wire, etc complete in all respect.						
7.4.1	213( C )	Same as in item 213 (B) but in 25mm dia heavy duty (2mm thick) PVC conduit with one number 6.0 sq.mm multistrand copper conductor cable as earthcontinuty wire drawn in conduit.	Meter	480	286.00			
7.5	273(B)	Supply and wiring of 4 number 10 sq.mm. FR PVC insulated 1100V grade single core aluminium conductor cable in 32 mm dia heavy guage rigid steel conduit concealed in wall, with two with two number 8 SWG GI earth continuity wire including matching colour wash etc complete in all respect.						
7.5.1	273( C )	Same as in item 273 (B) but in 32mm dia heavy duty (2mm thick) PVC conduit with 2 nos 6.0 sq.mm multistrand copper conductor cable as earthcontinuty wire drawn in conduit.	Meter	2582	523.00			
7.6	274(B)	Supply and wiring of 4 number 16 sq.mm. FR PVC insulated 1100V grade multistrand single core copper conductor cable in 40 mm dia heavy guage rigid steel conduit concealed in wall, with two nuimber 10 SWG GI earth continuity wire including matching colour wash etc complete in all respect.						
7.6.1	274( C )	Same as in item 274 (B) but in 40mm dia heavy duty (2mm thick) PVC conduit with 2 nos 10.0 sq.mm multistrand copper conductor cable as earthcontinuty wire drawn in conduit.	Meter	0	839.00			

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8.0	1203(A)	Supply and fixing of electronic fan regulator ,120-280watt.ISI marked, on the existing switch board including making connections,required material, labour T&P etc.for proper completion of work to the satisfaction of engineer in charge of work.	Each	602	286			
9.0	1149	Supply and fixing hexagonal fan box with hexagonal side of approx.80mm in length fabricated from 16 SWG MS sheet incorporating 10mm dia.MS round bar duly bent for supporting fan hanger duly painted with red oxide and screwing arrangement with wiring conduit laid in the RCC roof before concerting alongwith supply of all material, labour,T&P etc.required for proper completion of the work.	Each	602	112			
10.0	1120	Erection and testing of exhaust fan on the existing hole with suitable size of rag bolts, nuts and washers etc.complete inall respects.	Each	361	108			
11.0	1116	Erection and testing of ceiling fan and regulator for room height upto 3.5 metres including supply of 3mm thick G.I rod 19 mm dia.Duly painted , complete in all respect.	Each	0	118			
12.0	1117	Add extra to item (1116) for 15cm or part there of for room height from 3.5to 5.00 metres	Each	0	21			
13.0	UPSOR - 2014	<b>DISTRIBUTION BOARDS-</b>						
13.1	1024(A)	S & F Surface / flush mounting 8 ways SPN distribution board with additional metal door withoutMCB complete in all respect, as directed at site by engineer in charge.	Each	0	1022			

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13.2	1025(A)	S & F Surface / flush mounting 12 ways SPN distribution board with additional metal door without MCB complete in all respect, as directed at site by engineer in charge.	Each	2	1313			
13.3	1028(B)	S & F Surface / flush mounting 8 ways TPN distribution board without MCB with additional metal door complete in all respect, as directed at site by engineer in charge.	Each	126	3041			
13.4	1029( C )	S & F Surface / flush mounting 12 ways TPN distribution board without MCB with additional metal door complete in all respect, as directed at site by engineer in charge.	Each	0	4379			
14.0	UPSOR-2014	Supplying and fixing of following rating 240/415 volts 'C' series miniature circuit breaker/MCCB of following poles in the existing MCB DB/TAP OFF box complete with connections, testing and commissioning etc. as required.						
14.1	1002	6 Amp. to 32 Amp. MCB (10KA)	Each	2360	143			
14.2	1010	40 Amp. DP MCB (10KA)	Each	0	503			
14.3	1011	63 Amp, DP MCB (10KA)	Each	2	618			
14.4	1020	40 Amp. 4 Pole MCB (10KA)	Each	126	1029			
14.5	1021	63 Amps. 4 Pole MCB (10 KA)	Each	0	1091			
15.0	UPSOR-2014	Supplying and fixing 5 amps to 32 amps rating, 240 volt, 'C' series, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
15.1	1009	Double Pole	Each	10	389			
16.0	UPSR	<b>RCCB's</b>						
16.1	392	S&F and making connection of 25A 2pole 30mA ELCB / RCCB of dinRail mounting complete in all respect as per direction and satisfaction to the engineer in charge.	Each	0	2027			
16.2	393	S&F and making connection of 40A 2pole 30mA ELCB / RCCB of dinRail mounting complete in all respect as per direction and satisfaction to the engineer in charge.	Each	378	2138			

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16.3	394	S&F and making connection of 63A 2pole 30mA ELCB / RCCB of dinRail mounting complete in all respect as per direction and satisfaction to the engineer in charge.	Each	2	2669			
17.0	703	Supply & Burying of 600 mm X 600 mm X 6 mm G.I. plate vertically for earthing with its top at least 3 meters bellow ground level complete with 20 mm dia G.I. Pipe and funnel for watering and one earthing lead of one number 8 to 10 SWG G.I. wire in 15 mm dia G.I. pipe up to switch board (from apron to switch board the cost of and copper wire will be extra) 30 cm square C.I. frame with hinged cover masonry housing alternate layers of charcoal/coke and salt atleast 150 mm thick around etc. complete in all respect.	Each	8	4,339			
18.0	706	Supply & Burying of earth electrode of lightning conductor of 600 mm X 600 mm X 6 mm G.I. plate vertically for earthing with its top at least 3 meters bellow ground level complete with 20 mm dia G.I. Pipe and funnel, 30 cm square C.I. frame with hinged cover masonry housing alternate layers of charcoal/coke and salt atleast 150 mm thick around etc. complete in all respect.	Each	4	3,748			
19.0	710	Supply & Fixing of horizontal air termination (roof conductor) of 25mm x 3mm G.I. Clamps on surface complete in all respects as approved by Engineer-in-charge.	Meter	300	137			
20.0	713 (B)	Supply & Fixing of vertical down conductor of 32mm x 6mm G.I. Strip etc. on approved clamps on surface for lightning conductor complete in all respects.	Meter	300	223			
21.0	717	Supply & laying of 32mm x 6mm G.I. Strip from earth electrode directly in ground as required complete in all respect.	Meter	80	131			

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22.0	719	Supply & fixing of testing joint of G.I. strip 32mm x 6mm and 150 mm long with G.I. bolts and nuts etc. complete in all respect.	Each	12	48			
23.0	712 (A)	Supply & Fixing of hvertical air termination final rod comprising of 300 mm long x 25mm dia with one pointed pronge and 100 mm x 3 mm thick base plate etc. complete in all respect.						
23.1	712 (B)	As in item 712 (A) but with G.I. Material	Meter	2	473			
		<b>TOTAL</b>						



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<b>S.H.-II</b>		<b>DSR ITEM</b>						
1.0	DSR-2014- 1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.						
1.1	1.24.1	6A modular switch	Each	1576	77			
1.2	1.24.3	16A modular switch	Each	1006	106			
1.3	1.24.4	6A modular socket	Each	2296	76			
1.4	1.24.5	16A modular socket	Each	1006	143			
1.5	1.24.6	Telephone socket outlet	Each	361	91			
1.6	1.24.7	TV antenna socket outlet	Each	360	90			
2.0	DSR-2014- 1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.						
2.1	1.27.1	1 or 2 Module (75mmX75mm)	Each	721	159			
2.2	1.27.2	3 Module (100mmX75mm)	Each	2336	167			
2.3	1.27.3	4 Module (125mmX75mm)	Each	121	237			
2.4	1.27.4	6 Module (200mmX75mm)	Each	361	275			
3.0	DSR-2014- 2.18	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps %C+ curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	380	913			
4.0	DSR-2014- 1.18	Supplying & drawing following pair, 0.5 sq mm FR PVC insulated copper conductor, unarmoured telephone cable in the existing surface / recessed steel/PVC conduit as required.						
4.1	1.18.2	2 pair	Meter	5850	17			

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5.0	DSR-2014- 1.19	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	Meter	5800	27			
6.0	DSR-2014 - 5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required	Metre	596	136			
7.0	DSR-2014 - 5.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	587	22			
<b>TOTAL</b>								
<b>S.H.-III</b>		<b>RISING MAIN &amp; CABLES</b>						
<b>1.0</b>		<b>RISING MAIN-</b>						
1.1	UPSOR - 2014 - 911	Supply and erection of 800 Amp TPN Rising Mains complete with top end cover plate etc. On angle iron wall brackets complete in all respect.	Metre	0	16,403			
1.2	UPSOR - 2014 - 910	Supply and erection of 600 Amp TPN Rising Mains complete with top end cover plate etc. On angle iron wall brackets complete in all respect.	Metre	30	13,182			
1.3	UPSOR - 2014 - 909	Supply and erection of 400 Amp TPN Rising Mains complete with top end cover plate etc. On angle iron wall brackets complete in all respect.	Metre	0	9,512			
1.4	UPSOR - 2014 - 908	Supply and erection of 315 Amp TPN Rising Mains complete with top end cover plate etc. On angle iron wall brackets complete in all respect.	Metre	30	8,258			
2.0	UPSOR - 2014 - 918	Supply and erection of Incoming adopter box for mounting 800 Amp TPN CFS unit including connectors of required capacity on to the rising mains complete in all respect.	Each	0	12,285			

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2.0	UPSOR - 2014 - 917 (A)	Supply and erection of Incoming adopter box for mounting 630 Amp TPN CFS unit including connectors of required capacity on to the rising mains complete in all respect.	Each	2	12,285			
3.0	UPSOR - 2014 - 913	Supply and erection of 100 Amp TPN Tap off box on rising mains complete with HRC fuses etc. complete in all respect.	Each	20	8,658			
4.0		<b><u>METER BOARD-1</u></b>						
		<b><u>INCOMMING:</u></b>						
		1 No. of 100 Amp FP MCCB of 36 KA Breaking capacity with heavy duty solid detachable neutral link and ON/OFF indications with back-up MCB. One set of phase indicating lamps with 6 Amps SP MCB back up.						
		<b><u>BUS BAR:</u></b>						
		150 Amp TPN Aluminium bus bar of suitable length.						
		<b><u>OUTGOING:</u></b>						
		6 Nos. of 40 Amp TP+N MCB of 10 KA breaking capacity with Three Phase Electronic Energy Meter (10-40Amp) in individual lockable chamber.						
		Panel Board described as above	Set	19	84372			
5.0		<b><u>METER BOARD-2</u></b>						
		<b><u>INCOMMING:</u></b>						
		1 No. of 100 Amp FP MCCB of 36 KA Breaking capacity with heavy duty solid detachable neutral link and ON/OFF indications with back-up MCB. One set of phase indicating lamps with 6 Amps SP MCB back up.						
		<b><u>BUS BAR:</u></b>						
		150 Amp TPN Aluminium bus bar of suitable length.						
		<b><u>OUTGOING:</u></b>						

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		8 Nos. of 40 Amp TP+N MCB of 10 KA breaking capacity with Three Phase Electronic Energy Meter (10-40Amp) in individual lockable chamber.						
		Panel Board described as above	Set	2	97276			

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6.0		<b><u>METER BOARD-3</u></b>						
		<b><u>INCOMMING:</u></b>						
		1 No. of 100 Amp FP MCCB of 36 KA Breaking capacity with heavy duty solid detachable neutral link and ON/OFF indications with back-up MCB. One set of phase indicating lamps with 6 Amps SP MCB back up.						
		<b><u>BUS BAR:</u></b>						
		150 Amp TPN Aluminium bus bar of suitable length.						
		<b><u>OUTGOING:</u></b>						
		9 Nos. of 40 Amp TP+N MCB of 10 KA breaking capacity with Three Phase Electronic Energy Meter (10-40Amp) in individual lockable chamber.						
		Panel Board described as above	Set	0	99211			
7.0		<b><u>METER BOARD-4</u></b>						
		<b><u>INCOMMING:</u></b>						
		1 No. of 100 Amp FP MCCB of 36 KA Breaking capacity with heavy duty solid detachable neutral link and ON/OFF indications with back-up MCB. One set of phase indicating lamps with 6 Amps SP MCB back up.						
		<b><u>BUS BAR:</u></b>						
		150 Amp TPN Aluminium bus bar of suitable length.						
		<b><u>OUTGOING:</u></b>						
		15 Nos. of 40 Amp DP MCB of 10 KA breaking capacity with Single Phase Electronic Energy Meter (10-40Amp) in individual lockable chamber.						
		Panel Board described as above	Set	0	106953			
8.0		<b><u>METER BOARD-5</u></b>						
		<b><u>INCOMMING:</u></b>						

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		1 No. of 100 Amp FP MCCB of 36 KA Breaking capacity with heavy duty solid detachable neutral link and ON/OFF indications with back-up MCB. One set of phase indicating lamps with 6 Amps SP MCB back up.						
		<b>BUS BAR:</b>						
		150 Amp TPN Aluminium bus bar of suitable length.						
		<b>OUTGOING:</b>						
		13 Nos. of 40 Amp DP MCB of 10 KA breaking capacity with Single Phase Electronic Energy Meter (10-40Amp) in individual lockable chamber.						
		Panel Board described as above	Set	0	105018			
9.0		<b>LIFT PANEL -</b>						
		Design, Manufacturing, Supply, Receiving, Unloading, Shifting, Installation, Testing & Commissioning of cubicle type totally enclosed free standing dust free, damp and vermin proof Sub Distribution Panel fabricated out of CRCA sheet and having incoming & outgoing moulded case circuit breaker, miniature circuit breaker, measuring instruments, busbars, indicating lights etc. including interconnection & internally wired and painted as per specifications, drawings as required.						
		<b>INCOMING</b>						
		01 Nos. 100 Amp FP Moulded Case Circuit Breaker.						
		01 No.0 to 500 Volt digital voltmeter with selector switch.						
		01 No.0 to 100 Amp digital Ammeter with selector switch and CT's.						

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		01 Set of phase indicating lamps with HRC fuses.						
		01 Set of ON/OFF indicating lamps with HRC fuses.						
		<b><u>BUSBAR</u></b>						
		150 Amp TPN aluminium busbar with coloured heat shrinkable sleeve.						
		<b><u>OUTGOING</u></b>						
		03 Nos. 63 Amp FP RCBO.						
		01 Nos. 63 Amp TPN Miniature Circuit Breaker.						
		03 Nos. 40 Amp TPN Miniature Circuit Breaker.						
		01 Nos. 63 Amp DP Miniature Circuit Breaker.						
		01 Nos. 40 Amp DP Miniature Circuit Breaker.						
		01 Nos. 25 Amp DP Miniature Circuit Breaker.						
		Panel described as above	Set	2	123083			
7.0	UPSOR- 2014-501	Supply and Laying of aluminium conductor PVC insulated armoured served sheathed cables 1100 volts grade at a depth of 750 mm below ground level over a cushion of 75 mm thick sand all around protected with brunt bricks on sides and on top. On surface the cable run shall be fixed on M.S. Clamp etc of suitable size or as directed by the engineer-Incharge, complete in all respect. The armouring of the cable shall be properly connected with the earth conductor by clamps etc.						
7.1	(l)	3.5 Core x 50 sq.mm	Meter	0	595			
7.2	(k)	3.5 Core x 35 sq.mm	Meter	200	408			
7.3	(i)	4.0 Core x 16 sq.mm	Meter	100	345			
7.4	(h)	4.0 Core, 10 Sq.mm.	Meter	70	296			
7.5	(b)	2.0 Core, 10 Sq.mm.	Meter	150	252			
7.6	(a)	2.0 Core, 6 Sq.mm.	Meter	50	239			

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8.0	UPSOR-2014-503	Supply and fixing of brass nickle plated compression gland for PVC insulated & armoured served sheathed, underground cable including rubber ring etc. complete in all respect. The armouring of the cable shall be properly connected with the earth as per direction of Engineer-Incharge.						
8.1	(l)	3½ X 50 sq. mm	Set	0	342			
8.2	(k)	3½ X 35 sq. mm	Set	40	270			
8.3	(i)	4 X 16 sq. mm	Set	8	245			
8.4	(h)	4 X 10 sq. mm	Set	8	193			
8.5	(b)	2 X 10 sq. mm	Set	24	148			
8.6	(a)	2 X 6 sq. mm	Set	6	147			
9.0	DSR-2014-1.21	Supplying and fixing of following sizes of PVC conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.						
9.1	1.21.1	20 mm dia	Meter	8200	51			
9.2	1.21.2	25 mm dia	Meter	1700	62			
10.0		Supply, erection, testing and commissioning of following sizes of splitter of aluminium die cast body in suitable size of G.I. Box.						
10.1	NON SOR	6 way	Each	0	1,435			
10.2	NON SOR	10 way	Each	20	1,933			
		<b>TOTAL OF POINT WIRING CARRIED OVER TO SUMMARY.</b>						
<b>S.H.-IV</b>		<b><u>SUPPLY &amp; FIXING OF LIGHT FIXTURES &amp; FANS</u></b> <b><u>INTERNAL LIGHTING.</u></b>						
1.0	NON SOR	Supply, Installation, Testing & Commissioning of 2x11 watt surface CFL downlight with mirror optics housing with electronic ballast. (Make Philips Cat No- FCS518 2xPL-S/2P11W I 240V or equivalent.)	Each	250	1399			



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2.0	NON SOR	Supply, Installation, Testing & Commissioning of 1x28 watt T5 light fixture with electronic ballast surface mounted complete as required. (Philips Make, Cat No- Miroлта Slim T5 TMS540 HF or equivalent)	Nos	76	725			
3.0	NON SOR	Supply, Installation, Testing & commissioning of 1x 18 W T8, mirror light. (Wipro make cat. no. WRF 21118 or equivalent)	Each	0	761			
4.0		Supply & installation of following sizes of heavy duty exhaust fan for single phase 230 volt, 50HZ AC supply						
4.1	NON SOR	300 mm Exhaust Fan (1500 RPM).	Nos	1	2263			
5.0		Supply & installation of following sizes of ceiling fan complete with double ball bearing, motor, blades, downrod, canopy, capacitor etc. suitable for operation on 230 volt, 50 Hz, A.C. supply complete as required of Crompton/ Orient make.						
5.1	NON SOR	1200 mm.	Nos	2	1689			
6.0	NON SOR	Light Fixture surface mounted Wipro make cat no- WKP14109.	Each	60	952			
7.0	NON SOR	Supply, Installation, Testing & commissioning of 1x23 watt bracket light. ((Philips Make, Cat No- QWG311 or equivalent).	Each	44	2316			
		<b>TOTAL OF LIGHT FIXTURES &amp; FANS CARRIED OVER TO SUMMARY</b>						
<b>S.H.-V</b>		<b>TELEPHONE &amp; TV SYSTEM</b>						
1.0		Supply and fixing of telephone distribution board (tag blocks) in hinged type MS box duly powder coated complete with bakelite sheet with termination of incoming and outgoing telephone wire etc. complete as required.						

S. No.	DSR / UPSOR - 2014	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT (UPSOR-2014)	AMOUNT (DSR- 2014)	AMOUNT (NON DSR / NON UPSOR)
1.1	NON SOR	10 pair telephone distribution board.	No.	0	988			
1.2	NON SOR	20 pair telephone distribution board.	No.	20	1975			
1.3	NON SOR	50 pair telephone distribution board.	No.	0	4608			
1.4	NON SOR	100 pair telephone distribution board.	No.	0	8559			
1.5	NON SOR	200 pair telephone distribution board.	No.	2	16854			
		<b>TOTAL OF TELEPHONE &amp; DATA SYSTEM CARRIED OVER TO SUMMARY.</b>						
<b>SH-VI</b>		<b>FIRE DETECTION SYSTEM-</b>						
1.0		<b>FIRE ALARM PANEL</b>						
1.1	NON SOR	Providing, installation, testing & commissioning of wall recess mounted microprocessor based networkable 1 loop Analogue addressable fire alarm control panel expendable up to 2 loop (with loop capacity up to 250 devices per loop) with graphic LCD display, inbuilt printer, password protected, 2000 events historical logging flash E-PROM, 220 volts AC power supply, automatic battery charger, 24 volt sealed lead acid battery suitable operating the system for 30 min. in emergency condition. The panel has provision for integration with PA System for hooter complete as required. Public addressable system with 100 watt amplifire microphone with all necessary circuits.	Set	2	93555			
2.0		<b>DETECTOR, ISOLATER, MCP &amp; SOUNDER</b>						
2.1	NON SOR	Providing, installation, testing & commissioning of plug in type intelligent addressable photoelectric smoke detectors including the cost of supplying base plate, Junction box, mounting accessories etc. complete as per specification required.	Nos.	20	1809			
2.2	NON SOR	Providing, installation, testing & commissioning of plug in type intelligent addressable heat detectors including the cost of supplying base plate, Junction box, mounting accessories etc. complete as per specification required.	Nos.	2	1746			

S. No.	DSR / UPSOR - 2014	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT (UPSOR-2014)	AMOUNT (DSR-2014)	AMOUNT (NON DSR / NON UPSOR)
2.3	NON SOR	Providing, installation, testing, & commissioning of intelligent addressable resettable manual call station (unbreakable glass), all cost of require modules, mounting accessories, complete as required.	Nos.	44	811			
2.4	NON SOR	Providing, installation, testing, & commissioning of intelligent addressable hooter cum speaker complete as required.	Nos.	44	550			
2.5	NON SOR	Providing, installation, testing, & commissioning of intelligent addressable fault isolator modules.	Nos.	2	1800			
3.0		<b>MODULES</b>						
3.1	NON SOR	Providing, installation, testing, & commissioning of intelligent addressable control modules for fan etc. as required	Nos.	2	2588			
3.2	NON SOR	Providing, installation, testing, & commissioning of intelligent addressable input modules for flow switch or any other input dry contact type.	Nos.	1	2588			
4.0	DSR-2014-1.20	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.						
4.1	1.20.2	25 mm dia conduit.	RM	1550	136			
4.2	1.20.2	32 mm dia conduit.	RM	150	185			
5.0	DSR-2014-1.17	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel / PVC conduit as required.						
5.1	1.17.2	2 x 1.5 sq.mm.	RM	1750	34			
5.2	1.17.11	2 x 2.5 sq.mm.	RM	100	51			
		<b>TOTAL OF FIRE DETECTION SYSTEM CARRIED OVER TO SUMMARY.</b>						