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**3.0 Wastage in case of cement/ steel is issued by OWNER.**

a) Cement on completion of work, the theoretical consumption shall be worked out as per the cement consumption statement enclosed herewith as Annexure-I. On page no.212c to 212g. If the actual consumption of cement exceeds the theoretical consumption by more than 5%, then the excess of the cement consumed above 5% shall be recovered at an enhanced rate of 2 times the issue rate or 1.5 times the prevailing market rate.

b) TMT CRS Reinforcement steel Maximum wastage Permitted will be 5% of the theoretical consumption. If the wastage is more than 5% of the steel billed for, then the excess wastage above 5% of the steel billed for, then the excess wastage above 5% limit shall be recovered at an enhanced rate of 1.5 times the Issue rate or 1.5 times the prevailing market rate.

c) All the surplus and serviceable TMT CRS bars if issued by the OWNER of the length more than 2 m in case of bars and other sections and of size 1m x 1m in case of plates shall be weigh category wise and returned to the OWNER after the completion of the works. Likewise all surplus and serviceable cement bags in original conditions shall be returned to the OWNER after the completion of the works.

e) Pursuant to clause 7.1 of special conditions of contract, an additional quantity of 5% of the billed quantity of mild, or TMT steel as well as structural steel and theoretical quantity of cement consumed shall be recovered from each interim bill. The actual wastage of the materials issued shall however be derived in the final bill and considered for reconciliation.

**3.0 Rolling margin**

3.1 compensation shall be paid to the contractor in case the actual weight of the steel bras is more than the corresponding theoretical weight. For this the contractor has to raise his claim before utilizing the steel and within 15 days of the receipt of the steel consignment at site.

**3.2 Procedure for testing & recording of steel issued**

Random samples, minimum 3 samples per consignment of 10 MT or less shall be taken and the average of these testes shall be taken as governing coefficient for a consignment.

3.3 Samples shall be taken jointly & immediately upon the arrival of the consignment and suitably marked and identified. Samples shall be kept in safe custody of the engineer for future verifications if required.

3.4 records to be maintained clearly, showing consignment date, supplier, quantity of steel received and the area where the steel is used along with the test result.

3.5 Compensation towards the rolling weight difference shall be considered only in case the actual total wastage is more than 5% of the consumption as per the interim bill for the quantity of the TMT CRS steel used. No compensation shall be considered in individual categories of steel bars, where the wastage is 5% or less.

3.6 The permissible wastage of 5% is deemed to take in to account the 2.5% difference on account of rolling difference and 2.5% towards the wastage and therefore no compensation shall be considered up to 2.5% difference in rolling margin.

3.7 The compensation shall be worked out lot wise as under:-  
The excess weight on account of the rolling weight difference of more than 2.5% shall be calculated per consignment i.e. if the actual weight per meter length as per the test result is  $a$  kg/meter, as against the theoretical unit weight  $t$  kg/m, for a consignment of  $w$   $100 \times (a/t) - 1 = x\%$  shall be the difference on account of the rolling difference.  $W \times (x - 2.5)/100$  MT shall be deducted from the gross issue for the purpose of recovery of steel issued.

On no account this difference shall be considered for the payment as per item rates for fabrication of reinforcement steel works.  
The above calculation shall be done for each individual lot separately, subject to the clauses 3.2 & 3.3 hereof and the total for all such lots, where there is more than 2.5% variation in rolling weight, shall be considered.

However, the total quantity to be considered for the reduction towards the rolling margin from the total quantity issued shall be limited to the gross wastage in excess of 5% of the net consumption of steel.  
If in certain circumstances, Owner can not supply any of above item, on request of owner, contractor will manage to procure material at site and the contractor shall be paid/ deducted the differences as per basic rate given above.

Ceramic & Vitrified Tiles wastage & breakage 5% maximum will be allow, in case of wastage & breakage more than 5% than reconciliation made on 1.5 times Basic Rate.

CEMENT CONSUMPTION ANNEXURE -I

IT.No.	DESCRIPTION	Cement COEF.	
<b>2.00</b>	<b>CONCRETE</b>		
2.01	BBCC 1:5:10	2.60	CUM
2.02	BBCC 1:4:8	3.40	CUM
2.03	PCC 1:5:10	2.60	CUM
2.04	PCC 1:4:8	3.40	CUM
2.05	PCC 1:3:6	4.00	CUM
2.06	RCC 1:2:4 UP TO HPL	6.40	CUM
2.07	RCC 1:1.5:3 UP TO PL	8.00	CUM
2.08	RCC 1:1:2 UP TO PL	11.00	CUM
2.09	RCC 1:2:4 IN SS UP TO 10M	6.40	CUM
2.10	RCC 1:1.5:3 IN SS UP TO 10M	8.00	CUM
2.11	RCC 1:1:2 IN SS UP TO 10M	11.00	CUM
2.15	DAMP PROOF COURSE	0.256	CUM
2.17	RCC 1:2:4 FOR M/C FOUNDATIONS	6.40	CUM
2.18	RCC 1:2:4 IN FLOORING/PAVEMENT	6.40	CUM
<b>3.00</b>	<b>MASONRY WORK</b>		
3.01	BK MASONRY IN CM 1:6 UP TO PL	1.24	CUM
3.02	BK MASONRY CM 1:6 IN SS	1.24	CUM
3.03	BK MASONRY CM 1:4 IN PARTI WALL	0.2128	CUM
3.04	UCR MASONRY CM 1:6 UP TO PL	1.60	CUM
3.05	UCR MASONRY CM 1:6 IN SS	1.60	CUM
3.06	CORSE RUBBLE CM 1:6 MASONRY IN PL	1.50	CUM
3.07	CORES RUBBLE CM 1:6 MASONRY IN SS	1.50	CUM
<b>4.00</b>	<b>WOOD WORK</b>		
4.01	TW FLUSH SHUTTERS 150 x 62 FR	0.20	SQM
4.03	TW PNLD SHUTTERS 150 x 62 FR	0.20	SQM
4.05	TW BATTEN DOOR 150 x 62 FR	0.20	SQM
4.07	COMPOSITE DOOR & WINDOWS	0.20	SQM
4.08	TW WINDOW - VENT FIXED TYPE	0.20	SQM
4.09	TW WINDOW - VENT OPENABLE TYPE	0.20	SQM
4.10			SQM
4.12	FIXED PLAIN/FROST GL - LOUVERS	0.20	SQM
4.13	FIXED - WIRED GLASS LOUVERS	0.20	SQM
4.14	TW FRAME WITH AC SHEETS	0.20	SQM

CEMENT CONSUMPTION ANNEXURE -I

IT.No.	DESCRIPTION	Cement COEF.	
<b>5.00</b>	<b>FINISHING WORK</b>		
5.01	12MM PLSTR CM1:4 WITH LIM NERU	0.1094	SQM
5.02	19MM PLASTER CM1:4 WITH LIM NERU	0.1616	SQM
5.03	06MM PLASTER CM1:4 ON RCC & NERU	0.0547	SQM
5.04	19MM GRIT PLASTER IN CM	0.1954	SQM
5.05	19MM SAND FACED PLASTER	0.1954	SQM
5.06	19MM TH WRINKLE PLASTER	0.50	SQM
5.07	12MM PLASTER W/O LIME NEERU	0.1094	SQM
5.08	19MM PLASTER W/O LIME NEERU	0.1616	SQM
5.09	06MM PLASTER W/O LIME NEERU	0.0547	SQM
5.10	NEAT CEMENT FINISH	0.044	SQM
5.11	20MM PLASTER OVER INSULATION	0.1616	SQM
5.12	25MM TH WATERPROOF PLASTER	0.306	SQM
5.13	FLUSH POINTING IN CM1:1	0.062	SQM
5.14	RAISED POINTING ON RR MASONRY	0.0388	SQM
<b>6.00</b>	<b>FLOORING WORK</b>		
6.01	MOSAIC TILES FLOORING	0.216	SQM
6.02	MOSAIC TILES SKIRTING	0.2348	SQM
6.03	MOSAIC TILES DADO	0.2348	SQM
6.04	MARBLE CHIPS FLOORING	0.3152	SQM
6.05	MARBLE CHIPS SKIRTING	0.242	SQM
6.06	MARBLE CHIPS DADO	0.242	SQM
6.09	37MM TH IPS FLOORING ETC	0.2776	SQM
6.10	50MM TH IPS FLOORING	0.364	SQM
6.11	19MM TH IPS SKIRTING	0.1388	SQM
6.19	GREEN KOTA STONE FLOORING	0.352	SQM
6.20	GREEN KOTA STONE SKIRTING	0.2902	SQM
6.21	GREEN KOTA STONE DADO	0.336	SQM
6.22	KOTA STONE TREADS PLATFORM	0.352	SQM
6.23	KOTA STONE RISERS	0.2902	SQM
6.24	ROUGH KOTA STONE FLOORING	0.352	SQM
6.25	WHITE GLAZED TILES 10MM TH	0.3132	SQM
6.26	WHITE GLAZED TILES 6MM TH	0.3132	SQM
6.27	COLOUR GLAZED TILES 10MM TH	0.3132	SQM
6.28	COLOUR GLAZED TILES 6MM TH	0.3132	SQM
6.29	PRINTED GLAZED TILES 10MM TH	0.3132	SQM
6.30	PRINTED GLAZED TILES 6MM TH	0.3132	SQM
6.31	115MM TH INDIA WATER PROOFING	0.352	SQM
6.32	75 MM TH INDIA WATER PROOFING	0.352	SQM
6.33	INDIA WATER PROOFING WATER TANK	0.352	SQM
6.34	LIME CONCRETE TERRACING		SQM
6.35	MANDANA STONE FLOORING	0.352	SQM
6.36	P&F MACHINE CUT MANDANA STONE	0.352	SQM
6.37	CI TILES	0.32	SQM
6.38	WATER PROOFING WITH KOTA STONE	0.50	SQM

CEMENT CONSUMPTION ANNEXURE -I

IT.No.	DESCRIPTION	Cement COEF.	
<b>7.00</b>	<b>STEEL WORK</b>		
7.01	STEEL WINDOW - FIXED TYPE	0.026	SQM
7.02	STEEL WINDOW - SIDE OPENABLE	0.026	SQM
7.03	STEEL WINDOW - COMPOSITE TYPE	0.026	SQM
7.04	STELL WINDOW - PIVOTED	0.026	SQM
7.05	STEEL FIXED LOUVER WITH GLASS	0.026	SQM
7.06	STEEL FIXED LOUVER WIRED GLASS	0.026	SQM
7.07	STEEL FIXED LOUVER MS SHEET	0.026	SQM
7.12	MS DOOR FRAMES	0.01	SQM
7.13	STEEL FRAMES FOR GLAZING	0.026	SQM
7.14	BRC FABRIC GRILL	0.026	SQM
7.15	STEEEL DOORS	0.026	SQM
7.26	GI PIPE GUARD RAIL-200MM HIGH	0.01	RMT
7.27	GI PIPE GUARD RAIL-300MM HIGH	0.01	RMT
7.28	GI PIPE GUARD RAIL-450MM HIGH	0.01	RMT
<b>9.00</b>	<b>MISCELLANEOUS WORK</b>		
9.05	FILLING ELECTRICAL ZARIES	0.05	RMT
9.10	FILLING ZARIES WITH PCC 1:2:4	0.032	RMT
9.13	CABLE TRENCH - 300MM WIDE	1.70	RMT
9.14	CABLE TRENCH - 450MM WIDE	1.90	RMT
9.15	CABLE TRENCH - 600MM WIDE	2.03	RMT
<b>10.00</b>	<b>RENOVATION WORK</b>		
10.14	PLINTH PROTECTION	0.256	RMT
<b>20.00</b>	<b>COMPOUND WALL</b>		
20.01	GI BARBED WIRE FENCE - RCC POST	0.0510	RMT
20.02	GI BB WIRE FENCE ANGLE IRON	0.0510	RMT
20.03	GI BARBED WIRE FENCE WOOD BALLI	0.0510	RMT
20.04	GI BARBED WIRE FNC-CW ANG-IRON	0.0235	RMT
20.05	CHAINLINK FENCING	0.0510	RMT
20.06	BROKEN GLASS OVER COMPD-WALL	0.1616	RMT
20.07	PCC 1:2:4 FOR COPING 40MM TH.	0.2560	RMT
<b>30.00</b>	<b>ROAD WORK</b>		
30.07	PRECAST PCC 1:2:4 KERBING	0.215	CUM
30.17	PCC 1:4:8 FOR ROAD	3.40	CUM
30.18	PCC/RCC 1:2:4 FOR ROAD	6.40	CUM

## CEMENT CONSUMPTION ANNEXURE -I

IT.No.	DESCRIPTION	Cement COEF.	
<b>50.00</b>	<b>SANITARY WORK</b>		
50.01	RCC HUME PIPE 600MM DIA	0.064	RMT
50.02	RCC HUME PIPE 450MM DIA	0.048	RMT
50.03	RCC HUME PIPE 300MM DIA	0.022	RMT
50.04	RCC HUME PIPE 230MM DIA	0.018	RMT
50.05	RCC HUME PIPE 150MM DIA	0.012	RMT
50.06	RCC HUME PIPE 100MM DIA	0.010	RMT
50.07	STONEWARE PIPE 300MM DIA	0.1294	RMT
50.08	STONEWARE PIPE 230MM DIA	0.0974	RMT
50.09	STONEWARE PIPE 150MM DIA	0.0656	RMT
50.10	STONEWARE PIPE 100MM DIA	0.0434	RMT
50.11	CI WW CONCLD LINE-CT JT-75MM DIA	0.086	RMT
50.12	CI WW CONCLD LINE-CT JT-100MM DIA	0.1088	RMT
50.13	CI WW CONCLD LINE-CT JT- 75MM DIA		RMT
50.14	CI WW CONCLD LINE-LD JT 100MM DIA		RMT
50.15	CI WW OPEN LINE CT JT 75MM DIA	0.086	RMT
50.16	CI WW OPEN LINE CT JT 100MM DIA	0.1088	RMT
50.17	CI WW OPEN LINE LD JT 75MM DIA		RMT
50.18	CI WW OPEN LINE LD JT 100MM DIA		RMT
50.19	CI SOIL PIPE CONCLD CT JT 100MM DIA	0.1088	RMT
50.20	CI SOIL PIPE CONCLD CT JT 150MM DIA	0.1466	RMT
50.21			RMT
50.22			RMT
50.23	CI SOIL PIPE OPEN CT JT 100MM DIA	0.1088	RMT
50.24	CI SOIL PIPE OPEN CT JT 150MM DIA	0.1466	RMT
50.25	CI SOIL PIPE OPEN LD JT 100MM DIA		RMT
50.26	CI SOIL PIPE OPEN LD JT 150MM DIA		RMT
50.27	CI RAINWATERLINE CONCLD 100MM DIA	0.1088	RMT
50.28	CI RAINWATERLINE CONCLD 150MM DIA	0.1466	RMT
50.29	CI RAINWATERLINE OPEN 100MM DIA	0.1088	RMT
50.30	CI RAINWATERLINE OPEN 150MM DIA	0.1466	RMT
50.31	INDIAN MARBLE PARDI	0.02	SQM
50.32	VITREOUS GLAZED PARTITION	0.02	SQM
50.33	EUROPEAN TYPE WC-LOW CISTERN	0.05	NO
50.34	EUROPEAN TYPE WC-HIGH CISTERN '	0.05	NO
50.35	HINDUSTAN TYPE WC HIGH CISTERN	0.05	NO
50.36	HINDUSTAN TYPE WC LOW CISTERN	0.05	NO
50.37	ORISSA TYPE WC HIGH CISTERN	0.05	NO
50.38	ANGLO INDIAN WC HIGH CISTERN	0.05	NO
50.39	FLAT BACK URINAL	0.05	NO
50.40	CORNER WALL URINAL	0.05	NO
50.41	STALL URINAL - LIPPED BASE	0.05	NO
50.42	WASH BASIN 55CM X 40CM SIZE	0.05	NO
50.43	WASH BASIN WITH PAIR OF TAPS	0.05	NO
50.44	WASH BASIN 63CM X 45CM SIZE	0.05	NO
50.45	WASH BASIN 63CM X 45CM SINGLE TAPS	0.05	NO
50.46	WASH BASIN 63CM X 45CM TWO TAPES	0.05	NO
50.47	FIRE CLAY SINK 600 X 450 X 150MM	0.05	NO
50.48	FIRE CLAY SINK 600 X 450 X 350MM	0.05	NO
50.49	FIRE CLAY SINK 750 X 450 X 250MM	0.05	NO
50.50	MOSAIC SINK 600 X 450 X 150MM	0.05	NO
50.51	MOSAIC SINK 600 X 450 X 250MM	0.05	NO
50.52	MOSAIC SINK 750 X 450 X 250MM	0.05	NO

CEMENT CONSUMPTION ANNEXURE -I

IT.No.	DESCRIPTION	Cement COEF.	
50.53	CHINA SINK 600 X 450 X 150MM	0.05	NO
50.54	CHINA SINK 600 X 450 X 250MM	0.05	NO
50.55	CHINA SINK 700 X 450 X 250MM	0.05	NO
50.56	LAB SINK 450 X 300 X 150MM	0.05	NO
50.57	LAB SINK 600 X 450 X 200MM	0.05	NO
50.58	GLAZED STONEWARE DRAIN BOARD		
50.59	TEAKWOOD DRAIN BOARD		
50.60	AUTO FLUSH TANK-5 LITER		
50.61	AUTO FLUSH TANK-10 LITER		
50.62	BK MASONRY CHAMBER 300 X 300MM	1.70	NO
50.63	EARTHWARE HALF ROUND CHANNEL	0.1586	RMT
50.64	STONEWARE HALF ROUND CHANNEL	0.1586	RMT
50.65	SPECIAL FLOOR DRAIN WITH C&S	0.36	NO
50.66	SPECIAL FLOOR DRAIN WITHOUT C&S	0.36	NO
50.67	STONEWARE PIPE FOR M/C DRAIN	0.10	RMT
50.68	STONEWARE GULLY TRAP CHAMBER	0.50	NO
50.69	HCI NAHNI TRAP	0.01	NO
50.70	PAPER HOLDER WOODEN ROLLER		NO
50.71	PAPER HOLDER PLASTIC ROLLER		NO
50.78	INSPECTION CHAMBER 0.6 X 0.6 X 1M	2.50	NO
50.79	INSPECTION CHAMBER 1 x 1 x 1- 2M	5.00	NO
50.80	MANHOLES 1.2 X 1.2M 0.6-2M DEEP	7.00	NO
50.81	MANHOLES 3M X 2M SIZE	19.00	NO
50.82	SEPTIC TANK 4 X 1.4 X 2M SIZE	43.20	NO
50.83	SEPTIC TANK 6M X 2M X 3M	78.00	NO
50.84	SOAK WELL 4M DIA 3M DEEP	25.50	NO
50.85	SOAK WELL 4M DIA 5M DEEP	20.00	NO
50.86	CI RAINWATER LINE CONCLD 75MM DIA	0.086	RMT
50.87	CI RAINWATER LINE OPEN 75MM DIA	0.086	RMT
50.88	STAINLESS STEEL SINK 60 X 45 X 20 CM	0.05	RMT
50.89	STAINLESS STEEL SINK 60 X 45 X 25 CM	0.05	RMT
50.90	STAINLESS STEEL SINK 75 X 45 X 25 CM	0.05	RMT
<b>60.00</b>	<b>STORM WATER DRAINAGE &amp; CULVERT</b>		
60.01	RCC PIPE (NP-2) 150MM DIA	0.012	RMT
60.02	RCC PIPE (NP-2) 250MM DIA	0.018	RMT
60.03	RCC PIPE (NP-2) 300MM DIA	0.024	RMT
60.04	RCC PIPE (NP-2) 450MM DIA	0.054	RMT
60.05	RCC PIPE (NP-2) 900MM DIA	0.098	RMT
60.06	GLAZED SW PIPE 100MM DIA	0.0434	RMT
60.07	GLAZED SW PIPE 150MM DIA	0.065	RMT
60.08	GLAZED SW PIPE 200MM DIA	0.0863	RMT
60.09	GLAZED SW PIPE 250MM DIA	0.0974	RMT
60.10	GLAZED SW PIPE 300MM DIA	0.1294	RMT
60.11	GLAZED SW PIPE 450MM DIA	0.1984	RMT
60.12	STORM WATER GULLY CHAMBERS	6.00	NO
60.13	75MM TH RCC COPING ON CULVERT	0.50	RMT
60.14	19MM PLASTER TO OPEN DRAIN	0.2056	RMT
60.15	DRY BRICK PITCHED DRAINS	0.22	RMT
60.16	RECESSED POINTING ON BK WORK	0.062	SQM



**CIVIL, STRUCTURAL AND INTERNAL ELECTRIFICATION WORK**

**SUMMARY**

**PROPOSED STAFF QUARTER AT SOMNATH (8 NOS GF+FF) &  
BHIDIYA (6 NOS GF+FF) FOR SHREE SOMNATH TRUST PRABHAS  
PATAN TA. VERAVAL DIST. GIR SOMNATH**

Sr No.	Description	Total Amount
		(Rs.)
1	CIVIL WORK LESS REBATE %  Total (A) .....	
2	ELECTRIFICATION WORK LESS REBATE % Total (B) .....	
	TOTAL (A) + (B)	
NET AMOUNT IN WORDS :		

**SCHEDULE OF QUANTITY**

**FOR**

**INTERNAL ELECTRIFICATION WORK PROPOSED STAFF QUARTER AT SOMNATH (8 NOS GF+FF ) & BHIDIYA (6 NOS GF+FF ) FOR SHREE SOMNATH TRUST PRABHAS PATAN TA. VERAVAL DIST. GIR SOMNATH**

SR.NO	QTY	DESCRIPTION	RATE	UNIT	AMOUNT
<b>81.00</b>		WIRING (PART - 1 TRADE CODE -81 )			
		Note: Wiring to be concealed type with modular accessories material makes as under. 1) FRLS insulated wires FIA approved ISI marked makes:- Firolerc. RR Cables. 2) Rigid PVC conduits 1.5mm thick MMS, FIA, ISI marked Makes:- Precision, Havells. 3) Modular Accessories to be of one make makes:- Siemens, ABB. 4) Work is to be carried out as per code of practice confirming to I.E. Rules and PWD specification. 5) All Electrical Materials are to be of ISI marked/approved make as per list. 6) Payments will be for actual quantities used. 7) All holes and cuttings to be made with Electrical tools.			
<b>81.01</b>	212.00	Light point wiring with 1.5 sq.mm FRLS PVC insulated copper conductor 650 V grade wires for P, N & E in 25 mm dia. 1.5 mm thick rigid PVC conduit concealed conduit system including providing and fixing single pole Modular switch in M.S box Phosphates with modular box, cover plate modular type switches, sockets, boxes cover plates of same company to be used. Use FRLS wire black for natural and green for earthing.	405.00	No	
<b>81.02</b>	R.O.	Two light points to be controlled by one switch, wiring as per it no 81.01		No	
<b>81.04</b>	R.O.	Same as 01 except that one light point to be controlled by 2 nos. 2 way, 5 amp, single pole modular type switch.		No	
<b>81.05</b>	56.00	Ceiling fan point wiring with 1.5 sq.mm FRLS PVC insulated copper conductor , 650 V grade wires for P.N & E in 25 mm dia. 1.5mm thick rigid PVC conduit ISI marked concealed conduit system including providing and fixing one no. 5 Amp single pole Modular type switch in MS box with cover with space in M.S box for fan regulator (Electronic) and hook in MS box for fan suspension complete. including supply and installation of 5 step hum free electronic regulator modular type.	630.00	No	

SR.NO	QTY	DESCRIPTION	RATE	UNIT	AMOUNT
81.06	R.O.	Exhaust/bracket fan point wiring same as item 81.05 without provision for regulator in switch box and MS box for fan suspension/.		No	
81.07	14.00	Buzzer point wiring with 1.5 sqmm FRLS PVC insulated copper conductor 650 V grade wires for P, N & E in 25 mm dia. 1.5mm thick rigid PVC conduit system including providing and fixing one no. 5 Amp, buzzer push button modular type in M.S box with modular plate cover, complete.	405.00	No	
81.09	84.00	5 Amp power point wiring with 1.5 sq.mm FRLS PVC insulated copper conductor 650 V grade wires and 1.5 sq.mm green PVC insulated copper earth wire for P, N & E in 25 mm dia 1.5mm thick rigid PVC concealed conduit system, including providing and fixing one no.5 Amp, 3 pin, 25 V socket outlet and 5 Amp. 250V modular type switch in MS box with modular plate cover, complete with connection at convenient location.	540.00	No	
81.10	48.00	5 Amp power point wiring with 1.5 sqmm FRLS PVC insulated copper conductor 650 V grade wires and 1.5 sqmm FRLS green PVC insulated copper earth wire in 25 mm dia 1.5mm thick rigid PVC conduit ISI marked concealed conduit system, including providing and fixing one no. 5 Amp 3 pin, 250 V socket outlet and 5 Amp 250 V modular type switch directly in lighting switch board itself with modular cover complete with connection	255.00	No	
81.11	24.00	15 Amp power point wiring with 2.5sqmm FRLS PVC insulated copper conductor, 650 V grade wires and 2.5 sqmm FRLS green PVC insulated copper earth wire in 25 mm dia. 1.5 mm thick rigid PVC conduit ISI marked surface/concealed conduit system including providing and fixing one no.15 Amp 3 pin/universal 6 pin, 250 volts socket outlet and 15 Amp 250 volts socket outlet and 15 Amp 250 V modular type switch in M.S box with modular plate sheet cover.	1000.00	No	
81.22		Sub main circuit wiring with FRLS PVC insulated copper conductor 650V grade wires in 1.5mm thick rigid PVC conduit ISI marked concealed conduit system complete with green PVC insulated copper earthing wire size.			

SR.NO	QTY	DESCRIPTION	RATE	UNIT	AMOUNT
	90.00	2 x 2.5 sq.mm with one 1.5 sq.mm earth wire.	95.00	RMT	
<b>81.23</b>	R.O.	2 x 4 sq.mm with one 2.5 sq.mm earth wire.		RMT	
<b>81.24</b>	210.00	2 x 6 sq.mm with one 2.5 sq.mm earth wire.	180.00	RMT	

SR.NO	QTY	DESCRIPTION	RATE	UNIT	AMOUNT
81.47	4.00	Termination of PVC insulated outer and inner PVC sheath. 1100 V grade, armored. Aluminium,conductor cable in underground including fixing glands and connection at both ends (refer detail specification 4.0) is size up to 4 x16 sq.mm. use double compression, chrome plated brass, cable gland of comet/jainson. use cable lugs as per cable requirement make dowel / jainson.	210.00	NO	
81.61	R.O.	Providing & laying of XLPE insulated outer and inner PVC sheath 1100 V grade armored Al. conductor cable on wall GI perforated cable trays/GI pipes, including clamping (Supply of cable trays/GI pipes not included in item) Cable size 4 x 10 Sq.mm. use XLPE in suctated armored cables ISI marked of make Gloster, CCI, Unistar, AR cables.		RMT	
81.62	200.00	DO- as per it no 81.61 but for 4x16 Sq.mm arm. Cable copper conductor for each TPN DB	250.00	RMT	
81.67	200.00	Excavation of cable trench in ground 900 mm deep and min 400 mm wide for cable laying, providing sand cushion and brick covering for cable, filling back the trench and leveling by ramming the clay, after laying cable.	200.00	RMT	
81.72	40.00	Providing & laying spare concealed or surface GI pipe class 'A' in slab/floor/wall etc. with accessories and draw out boxes and their covers of size. 51 MM DIA (N.B ).	405.00	RMT	
81.73	R.O.	DO-as per item No -81.72 but for 25mm dia(NB)	210.00	RMT	
81.74	90.00	DO-as per item no -81.72 but for 25mm dia Rigid PVC conduit	50.00	RMT	
<b>TOTAL OF WIRING PART</b>				<b>RS</b>	<b>=====</b>

SR.NO	QTY	DESCRIPTION	RATE	UNIT	AMOUNT
<b>82.00</b>		<b>INSTALLATION OF FIXTURES (TRADE CODE 82 ) PART - II</b>			
<b>82.01</b>	R.O.	Installation , testing & commissioning of lighting fixtures suitable for fluorescent lamps, directly on ceiling/beams/walls/trusses etc. complete with all accessories and connecting with 3.core circular 1.5 sqmm copper conductor wires from light point. (Lighting fixtures shall be supplied by owner). on polished wooden/PVC block. Ensure earthing of metal bodies of fans and fittings.		No	
<b>82.02</b>	68.00	Installation of fluorescent tube light fitting box type T-5, 28W operating of 200-280V, 50Hz with Electronic ballast, mirror optic reflector complete duly wired and tested including lamp as required.	70.00	No	
<b>82.05</b>	28.00	Installation of 11W PL light with clear Acrylic cover ballast complete duly wired and tested including lamp as required.	70.00	No	
<b>82.07</b>	140.00	Supply and installation of incandescent lamp	15.00	NO	
<b>82.10</b>	56.00	Installation, testing and commissioning of ceiling/bracket fan, with all standard accessories and connecting with 1.5 sqmm copper conductor PVC wires.	75.00	No	
<b>82.14</b>	14.00	Supply Fixing, testing & commissioning of elect. Bell/buzzer/musical bell/bell indicator on buzzer point. With installation on polished wooden box.	100.00	No	
		<b>TOTAL OF INSTALLATION OF FIXTURES</b>		<b>RS</b>	<u><u>                    </u></u>

SR.NO	QTY	DESCRIPTION	RATE	UNIT	AMOUNT
<b>84.00</b>		<b>EARTHING &amp; LIGHTENING PROTECTION</b>			
		<b>PART - IV, TRADE CODE 84</b>			
<b>84.01</b>	R.O.	Providing earthing pit. With Copper plate electrode including all accessorie,complete as per IS 3043-1966 and as per sketch enclosed in tender. Copper plate 600 x 600 x 30 mm.		NO	
<b>84.02</b>	2.00	-do as per it.no.84.01 but G.I. earth plate 450mm x 450mm x 35mm	3050.00	NO	
<b>84.06</b>	175.00	-do- but G.I. wire 8 G without pipe.	20.00	RMT	
		<b>TOTAL OF EARTHING &amp; LIGHTENING PROTECTION</b>		<b>RS</b>	<hr/> <hr/>

SR.NO	QTY	DESCRIPTION	RATE	UNIT	AMOUNT
<b>85.00</b>		<b>TELEPHONE (INTERCOM SYSTEM PART-V, TRADE CODE 85)</b>			
<b>85.01</b>	14.00	Telephone point wiring with 2 pair, unarmored, PVC insulated and sheath 0.61mm dia annealed tinned copper conductor in 25 mm dia 1.5 mm thick, MMS, FIA rigid PVC conduit ISI marked concealed conduit system including providing and fixing one no. flush type RG jack socket outlet in Modular box with modular plate and cover accessories make Siemens, ABB, North West Telephone wires Dalton make.. for Quarters, Dormitory and Restaurant.	525.00	No	
<b>85.16</b>	R.O.	Supply & installation of Krone tag block 20 pair in suitable PVC Box for telephone connections FRP box of sintex of Clipsal.		No	
<b>85.17</b>	R.O.	- Do- but 100 pair kronetag block.		No	
<b>85.18</b>	2.00	- Do- but 10 pair cable kronetag block.	360.00	No	
<b>85.22</b>	14.00	Television point wiring with co-axial cable in 25 mm dia concealed conduit including providing & fixing two nos. TV wall outlets in modular box with modular plate cover over. including providing tap off box as per requirement. for the system. RG-11, 0.7mm wired soiled conductor with fine tinned copper braided and protected by PVC sheet. for Quarters, Dormitory and Restaurant.	1000.00	No	
		<b>TOTAL OF TELEPHONE (INTERCOM SYSTEM</b>		<b>RS</b>	<b>=====</b>



SR.NO	QTY	DESCRIPTION	RATE	UNIT	AMOUNT
86.00		<b>DISTRUTION SYSTEM (PART - VI TRADE CODE 86)</b>			
86.02		Supply & installation of electrical distribution board flush type indoor enclosure, hinged front cover, dust & vermin proof, fabricated out of 14 G mild steel sheets complete with switchgear given below and inter connection,mouonted on angle iron frame arouted on wall.			
i)	2.00	-Do- TPN DB 2 for each floor  Incoming 40 A TPN MCB -C - 1 NO. 63 A 4P RCCB 100 mA sensitivity - 1No Outgoing  10/25 A DP MCB -C- 12 Nos.	5500.00	NO	
ii)		-Do- TPN DB for Hall,GF  Incoming 63 Amp 4 pole MCB -1 No.  Outgoing 63 A 2P RCCB 30 mA sensitivity - 3Nos 20 A SP MCB - G 12 Nos.		NO	
v)	14.00	SPN DB for 10 A SP MCB for each quarter Incoming 63 A 2P RCCB 100 mA sensitivity - 1No Outgoing 10 A SP MCB - 3 Nos. 20 A SP MCB - 2 Nos. 25 A SP MCB - change over (2 Way- - 1 No.  Between A/c. and geyser)	3500.00	NO	
86.04		Supply and installation of TPN SFU metal clad 415 V,50 Hz. With HRC fuses, termination end box installation on angle iron frame grouted on wall of capacity as under.			
(a)	R.O.	TPN 250 A with 250 A HRC fuse		NO	
(b)	2.00	TPN SFU 63A with 63 A HRC fuse.	3150.00	NO	
(c)	R.O.	TPN SFU 100A with HRC fuse.		NO	
		<b>TOTAL</b>		<b>RS</b>	=====
		<b>GRAND TOTAL</b>		<b>RS</b>	=====