



MINISTRY OF HOUSING AND WORKS  
FEDERAL GOVERNMENT EMPLOYEES  
HOUSING AUTHORITY, ISLAMABAD

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INFRASTRUCTURE DEVELOPMENT WORKS  
(ELECTRICAL) OF SECTOR 4C, 18C, 19C, 24B  
& 25B AT KDA SCHEME-33, GULZAR-E-HIJRI,  
KARACHI

PRCIE BID  
VOLUME-IV  
(SINGLE STAGE TWO ENVELOPE)

February' 2023



**EA Consulting Pvt Ltd**

*(Formerly Engineering Associates)*

Engineering, Architecture & Project Management

Head Office: AL-9, 15th Lane, Khayaban-e-Hilal,

Phase VII, D.H.A., Karachi-75500.,

Tel: UAN: 111-111-584, Fax: (021) 3584-1825

Letter of Price Bid

Name of Contract: "Infrastructure Development Works (Electrical) of Sector 4C, 18C, 19C, 24B, 25B at KDA scheme-33, Gulzar-e-Hijri, Karachi."

To: Project Director
Federal Government Employees Housing Authority,
2nd Floor Working Women's Hostel, Opposite Garden Police
Headquarter Aga Khan III Road, Karachi

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (IB)9;
(b) The total price of our Bid, excluding any discounts offered in item (c) below is: Rs.....
(c) The discounts offered and the methodology for their application are: Rs.....
(d) Our Bid shall be valid for a period of 120 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
(e) If our Bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents;
(f) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed and we do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other bidder for the Works.
(g) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.
(h) We agree to permit Employer or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors. This permission is extended for verification of any information provided in our Technical Bid which comprises all documents enclosed herewith in accordance with IB.11.1 of the Bidding Data.
(i) If awarded the contract, the person named below shall act as Contractor's Representative.

Name .....
In the capacity of .....
Signed .....
Duly authorized to sign the Bid for and on behalf of .....
Date .....
Address.....



**BILL OF QUANTITIES**  
(to be signed by the bidder)

**PREAMBLE**

1. **FOR BOTH SCHEDULED & NON-SCHEDULED ITEMS, THE BIDDER SHALL QUOTE PERCENTAGE ABOVE OR BELOW ON THE AMOUNT PUT TO BID AND GIVEN IN THE SUMMARY OF COST ESTIMATES.**
2. The Estimate / BOQ shall be read in conjunction with the Conditions of Contract, Specifications and Drawings.
3. The Quantities given in the Bill of Quantities are estimated and provisional quantities and are given to provide a common basis for bidding. The basis for payment will be the actual quantities of work executed and measured by the Contractor and verified by the Engineer and valued at the rates and prices entered in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix as per Contract.
4. The rates and prices quoted in the BOQ, except insofar as it is otherwise provided under the Contract, include all costs of Contractor's plant, labour, supervision, materials, execution, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the Contract. Furthermore all duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date 28 days prior to deadline for submission of Bid, shall be included in the rates and prices, and the total Bid Price submitted by the Bidder.
5. The whole cost of complying with the provisions of the Contract is included in the rates and prices given in the Priced BOQ. Where no items are provided, the cost is deemed to be distributed among the rates and prices for the other related items of the Works.
6. For civil and plumbing items; in case of any discrepancy in description or unit of any scheduled item provided in the BOQ with the description or unit of any scheduled item provided in Pak. PWD Schedule of Rates 2022, the description and unit of item as provided in Pak. PWD Schedule of Rates 2022 shall prevail.
7. For Electrical items; in case of any discrepancy in description or unit of any scheduled item provided in the BOQ with the description or unit of any scheduled item provided in Pak. PWD Schedule of Rates 2022 the description and unit of item as provided in Pak. PWD Schedule of Rates 2022 shall prevail
8. General directions and description of work and materials are not necessarily repeated nor summarised in the Priced BOQ. References to the relevant sections of the Bidding Documents shall be made.
9. The items mentioned in the BOQ consist of furnishing all plant, labor, equipment, machinery, appliances, materials, fittings, fixtures, fabrication, erection and installation required for completing the items/works. The work shall be done in accordance with the Drawings, Technical Specifications, BOQ and directions of the Engineer complete in all respect.
10. Pak. PWD Specifications and the Technical Specifications enclosed in Volume-II (Technical Provisions) of Bidding/Contract Documents shall be applicable for schedule Items and the non-schedule items, respectively. "Ref Spec. No. indicates the specification section number which as a whole or part (for which the Engineer shall be the sole judge) of these specifications are to be followed during execution of the item of work in accordance with the applicable drawings.



11. Complete description of items of works in the BOQ, general directions, conditions and limitations of works, location and place of works, applicable methods, means to be adopted, type and quality of materials, use of tools, plant, and machinery are not necessarily mentioned in the BOQ. These shall be referred to in accordance with the Drawings and Technical Specifications.
12. The bidder may ensure himself of the correctness of quantities and application of the individual items of works as per the Drawings, Technical Specifications and Contract Documents.
13. Notwithstanding provision of Clause 51 of the General Conditions of Contract Part-I, no claim for extra payment will be admissible on account of anticipated profit or variation in overheads expenditure for the works not actually performed nor will any adjustment in the unit rate set forth in the Estimate be made because of any increase or decrease in the quantities indicated therein.
14. The following abbreviations for the Units have been used in the estimate:

<b>Unit</b>	<b>Abbreviations</b>
Running feet	Rft.
Square feet	Sft.
Cubic feet	Cft.
Kilogram	Kg.
Per Number	Each, Number, No.
Lump Sum Job	Job, Lot

Authorized Signature and official Seal: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_



**INFRASTRUCTURE DEVELOPMENT WORKS (ELECTRICAL) OF SECTOR 4C, 18C,  
19C, 24B, 25B AT KDA SCHEME-33, GULZAR-E-HIJRI, KARACHI.**

**BILL OF QUANTITIES**

**TABLE OF CONTENTS**

<b>Sr. No</b>	<b>BILL NO.</b>	<b>BILL DESCRIPTION</b>
1.	Bill No. 1	External Lighting Works
2.	Bill No. 2	Electrification Works



**INFRASTRUCTURE DEVELOPMENT WORKS (ELECTRICAL) OF SECTOR 4C, 18C,  
19C, 24B, 25B AT KDA SCHEME-33, GULZAR-E-HIJRI, KARACHI.  
SUMMARY OF ESTIMATES**

**A: SCHEDULE ITEMS**

Sr. No	DESCRIPTION	UNIT	AMOUNT
<b>1. External Lighting Works</b>			
	a. Sector 4 C	Rs.	3,785,935
	b. Sector 18 C	Rs.	2,478,165
	c. Sector 19 C	Rs.	3,549,187
	d. Sector 24 B-1	Rs.	3,495,728
	e. Sector 24 B-2	Rs.	3,721,425
	f. Sector 25 B-1	Rs.	3,883,432
	g. Sector 25 B-2	Rs.	3,569,877
	Sub-total	Rs.	<b>24,483,749</b>
	Premium( percentage) above or below	%	
	Amount of Premium	Rs.	
	Total (1)	Rs.	



**B: NON-SCHEDULE ITEMS**

Sr. No	DESCRIPTION	UNIT	AMOUNT
<b>1. External Lighting Works</b>			
	a. Sector 4 C	Rs.	9,563,060
	b. Sector 18 C	Rs.	6,064,160
	c. Sector 19 C	Rs.	7,716,475
	d. Sector 24 B-1	Rs.	8,797,645
	e. Sector 24 B-2	Rs.	9,045,485
	f. Sector 25 B-1	Rs.	9,593,030
	g. Sector 25 B-2	Rs.	8,738,955
	Sub-total	Rs.	<b>59,518,810</b>
	Premium( percentage) above or below	%	
	Amount of Premium	Rs.	
	Total (1)	Rs.	
<b>2. Electrification Works</b>			
	a. Sector 4 C	Rs	122,148,585.00
	b. Sector 18 C	Rs.	9,836,940.00
	c. Sector 19 C	Rs.	10,026,640.00
	d. Sector 24B	Rs.	64,641,972.00
	e. Sector 25B	Rs.	74,709,852.00
	Sub-total	Rs.	<b>281,363,989.00</b>
	Premium( percentage) above or below	%	
	Amount of Premium	Rs.	
	Total (2)	Rs.	
	<b>TOTAL-B (1+2)</b>	<b>Rs.</b>	
	<b>GRAND TOTAL(A+B)</b>	<b>Rs.</b>	

Total A+B (Scheduled + Non-Scheduled) = \_\_\_\_\_

In Words: ( \_\_\_\_\_ )

**Note:** The Bidder shall carry over the quoted percentage to Letter of Price Bid page **LPB-1**.



## ENGINEER'S ESTIMATE

## SUMMARY

S.NO.	SECTOR	SCHEDULE ITEMS AMOUNT (RS.)	NON-SCHEDULE ITEMS AMOUNT (RS.)	AMOUNT (RS.)
1	Sector - 4C	3,785,935	9,563,060	13,348,995
2	Sector - 18C	2,478,165	6,064,160	8,542,325
3	Sector - 19C	3,549,187	7,716,475	11,265,662
4	Sector - 24B-1	3,495,728	8,797,645	12,293,373
5	Sector - 25B-1	3,883,432	9,593,030	13,476,462
6	Sector - 24B-2	3,721,425	9,045,485	12,766,910
7	Sector - 25B-2	3,569,877	8,738,955	12,308,832
<b>GRAND TOTAL AMOUNT (RS.)</b>		<b>24,483,749</b>	<b>59,518,810</b>	<b>84,002,559</b>



S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
		<b>SCHEDULE ITEMS</b>				
1	2	<b>CHAPTER-2 (INTERNAL ELECTRIFICATION)</b>				
a)	2-26	<b>SUB MAIN IN EXISTING CONDUIT/DUCT</b> Single PVC insulated wire in existing conduit				
i	2-26-04 / P-26	Supply & drawing of 6 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	1260	P/Meter	284	357,840
ii	2-26-05 / P-26	Supply & drawing of 10 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	75	P/Meter	457	34,275
iii	2-26-06 / P-26	Supply & drawing of 16 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	40	P/Meter	686	27,440
b)	2-77	<b>LIGHT FITTINGS &amp; FIXTURES</b> (Philips/Signify/Osram/GE/Thorn)				
i	2-77-07 / P-50	Providing, Installation, Testing & Commissioning of Street / Road Lights (IP65) including driver, having neutral white / cool white colour, 90-110 lm/watts efficiency, 0.9 or above power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by Engineer incharge.				
	(e)	110-120 Watts	50	Each.	58,329	2,916,450
ii	2-77-10 / P-51	Providing, Installation, Testing & Commissioning of water proof LED batten lights including driver, having warm / neutral white / cool white colour, 100-110 lm/watts efficiency, 0.9 or above power factor, 40000-50000 hours life cycle, including connection, complete in all respect as approved by Engineer incharge				
	(b)	30-36 Watts	3	Each.	23,065	69,195
2	3	<b>CHAPTER-3 (EXTERNAL ELECTRIFICATION)</b>				
a)	3-02	<b>LT CABLES</b> <b>4 Core Underground LT Armoured Cable</b>				
i	3-02-01 / P-57	Providing & laying 4 core, PVC insulated & PVC sheathed, 600/1000 Volts grade with stranded copper conductor, armoured underground, L.T cable buried in the ground dully covered with sand and warning cable tiles as per Pak P.W.D specification as required.				
	(a)	10 mm <sup>2</sup>	60	P/Meter	3,681	220,860
	(c)	25 mm <sup>2</sup>	25	P/Meter	6,395	159,875
		<b>TOTAL AMOUNT SCHEDULE ITEMS (Rs.) =====&gt;&gt;&gt;</b>				<b>3,785,935</b>

**SECTOR - 4C**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022		DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#	Page#					
<b>NON-SCHEDULE ITEMS</b>							
<b>A</b>							
<b>EXTERNAL LIGHTING</b>							
1			Supply, installation, testing and commissioning of following Octagonal Street Lighting Pole, hot dipped galvanized (Zinc coating not less than 80 micron) from inside and outside with 4mm wall thickness including base plate anchor bolt, nuts and washer, self inspection door with special keys, cable connection box, all required materials and accessories etc., (detail shown on the drawings and specifications). Complete in all respects as per specification and drawings.				
a)	NSR		8 meter High Single Arm Pole	50	No.	81,160	4,058,000
2	NSR		Construction and installation of Pole foundation in concrete class "A", reinforcement as per AASHTO M31, lean concrete including nuts, base plate, anchor bolts etc. Excavation and backfilling for the Pole foundation shall be included in this job. Foundation constructed above the drain or any location in project. Complete in all respects as per specifications and drawings.	50	No.	22,780	1,139,000
3	NSR		Supply, installation, testing and commissioning of Terminal Box IP-65 including 1 No. 4A, Circuit Breaker with terminals, as per specification and drawing, complete in all respect.	50	No.	9,400	470,000
4	NSR		Supply, laying, installation, testing and commissioning of 3 Core 2.5 Sq.mm Cu.PVC/PVC, 300/500 volts grade copper cable for each light in hollow poles from cable connection terminal box to luminaries, as per drawing and specification, complete in all respect.	475	Rm.	620	294,500
5			Supply, installation, testing and commissioning of following Pad mounted outdoor type Feeder Pillar (FP) / Lighting Control Panel (LCP), Weatherproof IP67 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the necessary switching, protections etc., including all mounting and installation accessories as per specifications and drawings with providing shop drawings, manual and warranty documents to owners representative / consultant, complete in all respect.				
a)	NSR		FP-4C	1	No.	453,200	453,200
b)	NSR		LCP-4C	1	No.	284,340	284,340
6	NSR		Supply and Construction of RCC foundation (PAD), including excavation and backfilling for respective Feeder Pillar / LCP. Construction with Class "B" Concrete with Well Compacted Ground, used water resistance chemical, water proofing material applied on structure surfaces are concealed below FGL / FFL, Pad size as per Panel base, Specification and as directed by the consultant, complete in all respect.	2	Job	29,500	59,000

**SECTOR - 4C**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
7		Supply, laying, tagging, testing, commissioning and termination of following sizes of 600/1000 volts grade Copper conductor, PVC insulated, SWA/PVC sheathed, multi core / single core, armoured / unarmoured cables from LCP to first lighting pole and pole to pole, directly buried in already excavated trenches / already provided under ground uPVC Road Crossing Sleeves, including all cable accessories, lugs, glands etc. Complete in all respects, as per drawing and specification and the entire satisfaction of the engineer and employer. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	4C, 6 Sq.mm Cu/PVC/SWA/PVC (from LCP to first lighting pole and pole to pole)	1200	Rm.	1,650	1,980,000
8		Excavation of following size trench in hard / soft soil and backfilling after laying of cable, cost including providing fresh sand 6" above and 6" under cable, laying protection A class bricks on sand, warning tape and backfilling, compaction etc., as per detail shown on the drawing, complete in all respect and the entire satisfaction of the engineer and employer.				
a)	NSR	600mm x 750mm (24" wide x 30" deep) for LV & CCTV Fiber Optic Cables)	800	Rm.	390	312,000
9		Supply, laying and fixing of following size of uPVC Class-D Pipes / uPVC Class-D Sleeves, buried in ground including excavation in hard / soft soil for laying of pipes, cost including backfilling with providing fresh sand 6" under and 6" above pipe, laying protection A class bricks on sand, warning tape, compaction, concrete, plugging of pipe ends etc., as shown on drawings and specifications, complete in all respect and the entire satisfaction of the engineer and employer.				
a)	NSR	50mm dia uPVC Sleeves (Class-D)	60	Rm.	1,505	90,300
10	NSR	Providing and Construction of Manhole Size 3'-0" x 3'-0" x 3'-0" deep, 6"thick, concrete 1:2:4 ratio with 3' round heavy duty cast iron cover, 100% water proof, as per specification and as shown on the drawing, complete in all respect.	1	No.	27,735	27,735
11	NSR	Supply, installation, testing and commissioning of Earth pit with Rod type earth electrode, 3/4" dia and 9 Ft. long copper bonded rod for earthing system, including cost 4" dia boring up to water level or as directed by the engineer in charge, with Bentonite chemical, filling mixture material etc. as per specification to achieve earthing resistance not more than 1 ohm, connection with earth leads of 2x70 sq.mm up to earth testing point, Inspection pit 15" x 15" x 18" deep (min) with heavy duty C.I cover, appropriate size of upvc conduit for leads, complete as per detail drawing and instruction of consultant. providing as built drawings, test reports documents to Employer / Consultant representative. Complete in all respect.	4	No.	58,380	233,520

**SECTOR - 4C**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022		DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#	Page#					
<b>B</b>			<b><u>PUMP ROOM ELECTRIFICATION</u></b>				
			<u>DISTRIBUTION BOARDS</u>				
1			Supply, installation, testing and commissioning of following wall mounted / floor standing surface type Distribution Boards (DB) made with 16 SWG sheet metal, Weatherproof IP-65 rated, dust protected, vermin proof housing coated with approved color having all the necessary switching, protections etc., as per drawing and specification, complete in all respect.				
a)	NSR		DB-PR-4C	1	No.	78,020	78,020
			<u>WIRING ACCESSORIES</u>				
2			Supply, installation, testing and commissioning of following 13/15/20A, gang type switches, Sockets including 16 SWG Sheet Steel powder coated back boxes with earth terminal, recessed in wall / column, with all accessories as per specification, complete in all respects.				
a)	NSR		Three Gang Switch 10A (Weatherproof type)	1	No.	3,345	3,345
b)	NSR		13A, International Switch Socket Outlet (Weatherproof type)	2	No.	3,310	6,620
c)	NSR		15A, Switch Socket Outlet (Weatherproof type)	1	No.	3,900	3,900
d)	NSR		20A, TPN Isolator (Weatherproof type) for Pump	1	No.	10,565	10,565
3			<u>WIRING FOR LIGHTS &amp; SOCKETS</u>				
a)	NSR		Supply, laying, tagging, termination, testing and commissioning of Circuit wiring from DB to Switchboard including wiring between switch on the same circuit with 2x2.5 sq.mm + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	1	No.	1,980	1,980
b)	NSR		Supply, laying, tagging, termination, testing and commissioning of Point wiring from Switch Board to Light Point with 3x1.5 sq.mm. single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	3	No.	3,535	10,605
c)			Supply, laying, tagging, termination, testing and commissioning of wiring for 13A Switch Socket outlet with 2x2.5 sq.mm + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect				
i	NSR		DB to Socket outlet	1	No.	4,125	4,125
ii	NSR		Socket outlet to Socket outlet	1	No.	4,470	4,470

**SECTOR - 4C**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
d)		Supply, laying, tagging, termination, testing and commissioning of wiring for 15A Switch Socket outlet with 2x4 sq.mm + 1x4 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect				
i	NSR	DB to Socket outlet	1	No.	7,675	7,675
e)		Supply, laying, tagging, termination, testing and commissioning of wiring for 20A TPN Isolator (for Pump) with 4 core, 4 Sq.mm Cu/PVC/PVC cable + 1 core, 4 Sq.mm Cu/PVC cable as ECC copper conductor PVC insulated wires in 32mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect.				
i	NSR	DB to 20A TPN Isolator	1	No.	5,160	5,160
C		<b><u>SHOP DRAWINGS</u></b>				
1		Preparation of scaled Shop drawings of complete works after approval from the consultant / client. Job also includes any relocation works. Preparation of shop drawings is compulsory before execution of work as per requirement of consultant's design and site during project execution with coordination of all other services.	1	Job	25,000	25,000
		<b>TOTAL AMOUNT NON-SCHEDULE ITEMS (Rs.) =====&gt;&gt;&gt;</b>				<b>9,563,060</b>

**SECTOR - 18C**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
		<b>SCHEDULE ITEMS</b>				
1	2	<b>CHAPTER-2 (INTERNAL ELECTRIFICATION)</b>				
a)	2-26	<b>SUB MAIN IN EXISTING CONDUIT/DUCT</b> Single PVC insulated wire in existing conduit				
i	2-26-04 / P-26	Supply & drawing of 6 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	690	P/Meter	284	195,960
ii	2-26-05 / P-26	Supply & drawing of 10 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	80	P/Meter	457	36,560
iii	2-26-06 / P-26	Supply & drawing of 16 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	40	P/Meter	686	27,440
b)	2-77	<b>LIGHT FITTINGS &amp; FIXTURES</b> (Philips/Signify/Osram/GE/Thorn)				
i	2-77-07 / P-50	Providing, Installation, Testing & Commissioning of Street / Road Lights (IP65) including driver, having neutral white / cool white colour, 90-110 lm/watts efficiency, 0.9 or above power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by Engineer incharge.				
	(e)	110-120 Watts	30	Each.	58,329	1,749,870
ii	2-77-10 / P-51	Providing, Installation, Testing & Commissioning of water proof LED batten lights including driver, having warm / neutral white / cool white colour, 100-110 lm/watts efficiency, 0.9 or above power factor, 40000-50000 hours life cycle, including connection, complete in all respect as approved by Engineer incharge				
	(b)	30-36 Watts	3	Each.	23,065	69,195
2	3	<b>CHAPTER-3 (EXTERNAL ELECTRIFICATION)</b>				
a)	3-02	<b>LT CABLES</b> 4 Core Underground LT Armoured Cable				
i	3-02-01 / P-57	Providing & laying 4 core, PVC insulated & PVC shealthed, 600/1000 Volts grade with stranded copper conductor, armoured underground, L.T cable buried in the ground dully covered with sand and warning cable tiles as per Pak P.W.D specification as required.				
	(a)	10 mm <sup>2</sup>	65	P/Meter	3,681	239,265
	(c)	25 mm <sup>2</sup>	25	P/Meter	6,395	159,875
		<b>TOTAL AMOUNT SCHEDULE ITEMS (Rs.) =====&gt;&gt;&gt;</b>				<b>2,478,165</b>



**SECTOR - 18C**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022		DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#	Page#					
<b>NON-SCHEDULE ITEMS</b>							
<b>A</b>			<b><u>EXTERNAL LIGHTING</u></b>				
1			Supply, installation, testing and commissioning of following Octagonal Street Lighting Pole, hot dipped galvanized (Zinc coating not less than 80 micron) from inside and outside with 4mm wall thickness including base plate anchor bolt, nuts and washer, self inspection door with special keys, cable connection box, all required materials and accessories etc., (detail shown on the drawings and specifications). Complete in all respects as per specification and drawings.				
a)	NSR		8 meter High Single Arm Pole	30	No.	81,160	2,434,800
2	NSR		Construction and installation of Pole foundation in concrete class "A", reinforcement as per AASHTO M31, lean concrete including nuts, base plate, anchor bolts etc. Excavation and backfilling for the Pole foundation shall be included in this job. Foundation constructed above the drain or any location in project. Complete in all respects as per specifications and drawings.	30	No.	22,780	683,400
3	NSR		Supply, installation, testing and commissioning of Terminal Box IP-65 including 1 No. 4A, Circuit Breaker with terminals, as per specification and drawing, complete in all respect.	30	No.	9,400	282,000
4	NSR		Supply, laying, installation, testing and commissioning of 3 Core 2.5 Sq.mm Cu.PVC/PVC, 300/500 volts grade copper cable for each light in hollow poles from cable connection terminal box to luminaries, as per drawing and specification, complete in all respect.	285	Rm.	620	176,700
5			Supply, installation, testing and commissioning of following Pad mounted outdoor type Feeder Pillar (FP) / Lighting Control Panel (LCP), Weatherproof IP67 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the necessary switching, protections etc., including all mounting and installation accessories as per specifications and drawings with providing shop drawings, manual and warranty documents to owners representative / consultant, complete in all respect.				
a)	NSR		FP-18C	1	No.	453,200	453,200
b)	NSR		LCP-18C	1	No.	284,340	284,340
6	NSR		Supply and Construction of RCC foundation (PAD), including excavation and backfilling for respective Feeder Pillar / LCP. Construction with Class "B" Concrete with Well Compacted Ground, used water resistance chemical, water proofing material applied on structure surfaces are concealed below FGL / FFL, Pad size as per Panel base, Specification and as directed by the consultant, complete in all respect.	2	Job	29,500	59,000

SECTOR - 18C  
ENGINEER'S ESTIMATE

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
7		Supply, laying, tagging, testing, commissioning and termination of following sizes of 600/1000 volts grade Copper conductor, PVC insulated, SWA/PVC sheathed, multi core / single core, armoured / unarmoured cables from LCP to first lighting pole and pole to pole, directly buried in already excavated trenches / already provided under ground uPVC Road Crossing Sleeves, including all cable accessories, lugs, glands etc. Complete in all respects, as per drawing and specification and the entire satisfaction of the engineer and employer. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	4C, 6 Sq.mm Cu/PVC/SWA/PVC (from LCP to first lighting pole and pole to pole)	650	Rm.	1,650	1,072,500
8		Excavation of following size trench in hard / soft soil and backfilling after laying of cable, cost including providing fresh sand 6" above and 6" under cable, laying protection A class bricks on sand, warning tape and backfilling, compaction etc., as per detail shown on the drawing, complete in all respect and the entire satisfaction of the engineer and employer.				
a)	NSR	600mm x 750mm (24" wide x 30" deep) for LV & CCTV Fiber Optic Cables)	500	Rm.	390	195,000
9		Supply, laying and fixing of following size of uPVC Class-D Pipes / uPVC Class-D Sleeves, buried in ground including excavation in hard / soft soil for laying of pipes, cost including backfilling with providing fresh sand 6" under and 6" above pipe, laying protection A class bricks on sand, warning tape, compaction, concrete, plugging of pipe ends etc., as shown on drawings and specifications, complete in all respect and the entire satisfaction of the engineer and employer.				
a)	NSR	50mm dia uPVC Sleeves (Class-D)	10	Rm.	1,505	15,050
10	NSR	Providing and Construction of Manhole Size 3'-0" x 3'-0" x 3'-0" deep, 6"thick, concrete 1:2:4 ratio with 3' round heavy duty cast iron cover, 100% water proof, as per specification and as shown on the drawing, complete in all respect.	1	No.	27,735	27,735
11	NSR	Supply, installation, testing and commissioning of Earth pit with Rod type earth electrode, 3/4" dia and 9 Ft. long copper bonded rod for earthing system, including cost 4" dia boring up to water level or as directed by the engineer in charge, with Bentonite chemical, filling mixture material etc. as per specification to achieve earthing resistance not more than 1 ohm, connection with earth leads of 2x70 sq.mm up to earth testing point, Inspection pit 15" x 15" x 18" deep (min) with heavy duty C.I cover, appropriate size of upvc conduit for leads, complete as per detail drawing and instruction of consultant. providing as built drawings, test reports documents to Employer / Consultant representative. Complete in all respect.	4	No.	58,380	233,520



SECTOR - 18C  
ENGINEER'S ESTIMATE

S.NO.	PWD Schedule of Rates-2022		DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#	Page#					
B			<b><u>PUMP ROOM ELECTRIFICATION</u></b>				
			<b><u>DISTRIBUTION BOARDS</u></b>				
1			Supply, installation, testing and commissioning of following wall mounted / floor standing surface type Distribution Boards (DB) made with 16 SWG sheet metal, Weatherproof IP-65 rated, dust protected, vermin proof housing coated with approved color having all the necessary switching, protections etc., as per drawing and specification, complete in all respect.				
a)	NSR		DB-PR-18C	1	No.	73,595	73,595
			<b><u>WIRING ACCESSORIES</u></b>				
2			Supply, installation, testing and commissioning of following 13/15/20A, gang type switches, Sockets including 16 SWG Sheet Steel powder coated back boxes with earth terminal, recessed in wall / column, with all accessories as per specification, complete in all respects.				
a)	NSR		Three Gang Switch 10A (Weatherproof type)	1	No.	3,345	3,345
b)	NSR		13A, International Switch Socket Outlet (Weatherproof type)	2	No.	3,310	6,620
c)	NSR		15A, Switch Socket Outlet (Weatherproof type)	1	No.	3,900	3,900
d)	NSR		20A, SPN Isolator (Weatherproof type) for Pump	1	No.	7,890	7,890
3			<b><u>WIRING FOR LIGHTS &amp; SOCKETS</u></b>				
a)	NSR		Supply, laying, tagging, termination, testing and commissioning of Circuit wiring from DB to Switchboard including wiring between switch on the same circuit with 2x2.5 sq.mm + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	1	No.	1,980	1,980
b)	NSR		Supply, laying, tagging, termination, testing and commissioning of Point wiring from Switch Board to Light Point with 3x1.5 sq.mm. single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	3	No.	3,535	10,605
c)			Supply, laying, tagging, termination, testing and commissioning of wiring for 13A Switch Socket outlet with 2x2.5 sq.mm + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect				
i	NSR		DB to Socket outlet	1	No.	4,125	4,125
ii	NSR		Socket outlet to Socket outlet	1	No.	4,470	4,470

**SECTOR - 18C**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
d)		Supply, laying, tagging, termination, testing and commissioning of wiring for 15A Switch Socket outlet with 2x4 sq.mm + 1x4 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect				
i	NSR	DB to Socket outlet	1	No.	7,675	7,675
e)		Supply, laying, tagging, termination, testing and commissioning of wiring for 20A SPN Isolator (for Pump) with 2x4 sq.mm + 1x4 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect.				
i	NSR	DB to 20A SPN Isolator	1	No.	2,710	2,710
<b>C</b>		<b><u>SHOP DRAWINGS</u></b>				
1		Preparation of scaled Shop drawings of complete works after approval from the consultant / client. Job also includes any relocation works. Preparation of shop drawings is compulsory before execution of work as per requirement of consultant's design and site during project execution with coordination of all other services.	1	Job	20,000	20,000
		<b>TOTAL AMOUNT NON-SCHEDULE ITEMS (Rs.) =====&gt;&gt;&gt;</b>				<b>6,064,160</b>

**SECTOR - 19C**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
		<b>SCHEDULE ITEMS</b>				
1	2	<b>CHAPTER-2 (INTERNAL ELECTRIFICATION)</b>				
a)	2-26	<b>SUB MAIN IN EXISTING CONDUIT/DUCT</b> Single PVC insulated wire in existing conduit				
i	2-26-04 / P-26	Supply & drawing of 6 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	910	P/Meter	284	258,440
ii	2-26-05 / P-26	Supply & drawing of 10 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	70	P/Meter	457	31,990
iii	2-26-06 / P-26	Supply & drawing of 16 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	40	P/Meter	686	27,440
b)	2-77	<b>LIGHT FITTINGS &amp; FIXTURES</b> (Philips/Signify/Osram/GE/Thorn)				
i	2-77-07 / P-50	Providing, Installation, Testing & Commissioning of Street / Road Lights (IP65) including driver, having neutral white / cool white colour, 90-110 lm/watts efficiency, 0.9 or above power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by Engineer incharge.				
	(e)	110-120 Watts	48	Each.	58,329	2,799,792
ii	2-77-10 / P-51	Providing, Installation, Testing & Commissioning of water proof LED batten lights including driver, having warm / neutral white / cool white colour, 100-110 lm/watts efficiency, 0.9 or above power factor, 40000-50000 hours life cycle, including connection, complete in all respect as approved by Engineer incharge.				
	(b)	30-36 Watts	3	Each.	23,065	69,195
2	3	<b>CHAPTER-3 (EXTERNAL ELECTRIFICATION)</b>				
a)	3-02	<b>LT CABLES</b> 4 Core Underground LT Armoured Cable				
i	3-02-01 / P-57	Providing & laying 4 core, PVC insulated & PVC sheathed, 600/1000 Volts grade with stranded copper conductor, armoured underground, L.T cable buried in the ground dully covered with sand and warning cable tiles as per Pak P.W.D specification as required.				
	(a)	10 mm <sup>2</sup>	55	P/Meter	3,681	202,455
	(c)	25 mm <sup>2</sup>	25	P/Meter	6,395	159,875
		<b>TOTAL AMOUNT SCHEDULE ITEMS (Rs.) =====&gt;&gt;&gt;</b>				<b>3,549,187</b>



**SECTOR - 19C**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022		DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#	Page#					
<b>NON-SCHEDULE ITEMS</b>							
<b>A</b>			<b>EXTERNAL LIGHTING</b>				
1			Supply, installation, testing and commissioning of following Octagonal Street Lighting Pole, hot dipped galvanized (Zinc coating not less than 80 micron) from inside & outside with 4mm wall thickness including base plate anchor bolt, nuts & washer, self inspection door with special keys, cable connection box, all required materials and accessories etc., (detail shown on the drawings and specifications). Complete in all respects as per specification & drawings.				
a)	NSR		8 meter High Single Arm Pole	30	No.	81,160	2,434,800
b)	NSR		8 meter High Double Arm Pole	9	No.	86,000	774,000
2	NSR		Construction and installation of Pole foundation in concrete class "A", reinforcement as per AASHTO M31, lean concrete including nuts, base plate, anchor bolts etc. Excavation and backfilling for the Pole foundation shall be included in this job. Foundation constructed above the drain or any location in project. Complete in all respects as per specifications and drawings	39	No.	22,780	888,420
3	NSR		Supply, installation, testing and commissioning of Terminal Box IP-65 including 1 No. 4A, Circuit Breaker with terminals, as per specification and drawing, complete in all respect.	30	No.	9,400	282,000
4	NSR		Supply, installation, testing and commissioning of Terminal Box IP-65 including 2 No. 4A, Circuit Breakers with terminals, as per specification and drawing, complete in all respect.	9	No.	17,555	157,995
5	NSR		Supply, laying, installation, testing and commissioning of 3 Core 2.5 Sq.mm Cu.PVC/PVC, 300/500 volts grade copper cable for each light in hollow poles from cable connection terminal box to luminaries, as per drawing and specification, complete in all respect.	450	Rm.	620	279,000
6			Supply, installation, testing and commissioning of following Pad mounted outdoor type Feeder Pillar (FP) / Lighting Control Panel (LCP), Weatherproof IP67 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the necessary switching, protections etc., including all mounting and installation accessories as per specifications and drawings with providing shop drawings, manual and warranty documents to owners representative / consultant, complete in all respect.				
a)	NSR		FP-19C	1	No.	453,200	453,200
b)	NSR		LCP-19C	1	No.	284,340	284,340
7	NSR		Supply and Construction of RCC foundation (PAD), including excavation and backfilling for respective Feeder Pillar / LCP. Construction with Class "B" Concrete with Well Compacted Ground, used water resistance chemical, water proofing material applied on structure surfaces are concealed below FGL / FFL, Pad size as per Panel base, Specification and as directed by the consultant, complete in all respect.	2	Job	29,500	59,000

SECTOR - 19C  
ENGINEER'S ESTIMATE

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
8		Supply, laying, tagging, testing, commissioning and termination of following sizes of 600/1000 volts grade Copper conductor, PVC insulated, SWA/PVC sheathed, multi core / single core, armoured / unarmoured cables from LCP to first lighting pole and pole to pole, directly buried in already excavated trenches / already provided under ground uPVC Road Crossing Sleeves, including all cable accessories, lugs, glands etc. Complete in all respects, as per drawing and specification and the entire satisfaction of the engineer and employer. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	4C, 6 Sq.mm Cu/PVC/SWA/PVC (from LCP to first lighting pole and pole to pole)	850	Rm.	1,650	1,402,500
9		Excavation of following size trench in hard / soft soil and backfilling after laying of cable, cost including providing fresh sand 6" above and 6" under cable, laying protection A class bricks on sand, warning tape and backfilling, compaction etc., as per detail shown on the drawing, complete in all respect and the entire satisfaction of the engineer and employer.				
a)	NSR	600mm x 750mm (24" wide x 30" deep) for LV & CCTV Fiber Optic Cables)	700	Rm.	390	273,000
10		Supply, laying and fixing of following size of uPVC Class-D Pipes / uPVC Class-D Sleeves, buried in ground including excavation in hard / soft soil for laying of pipes, cost including backfilling with providing fresh sand 6" under and 6" above pipe, laying protection A class bricks on sand, warning tape, compaction, concrete, plugging of pipe ends etc., as shown on drawings and specifications, complete in all respect and the entire satisfaction of the engineer and employer.				
a)	NSR	50mm dia uPVC Sleeves (Class-D)	10	Rm.	1,505	15,050
11	NSR	Providing and Construction of Manhole Size 3'-0" x 3'-0" x 3'-0" deep, 6"thick, concrete 1:2:4 ratio with 3' round heavy duty cast iron cover, 100% water proof, as per specification and as shown on the drawing, complete in all respect.	1	No.	27,735	27,735
12	NSR	Supply, installation, testing and commissioning of Earth pit with Rod type earth electrode, 3/4" dia and 9 Ft. long copper bonded rod for earthing system, including cost 4" dia boring up to water level or as directed by the engineer in charge, with Bentonite chemical, filling mixture material etc. as per specification to achieve earthing resistance not more than 1 ohm, connection with earth leads of 2x70 sq.mm up to earth testing point, Inspection pit 15" x 15" x 18" deep (min) with heavy duty C.I cover, appropriate size of upvc conduit for leads, complete as per detail drawing and instruction of consultant. providing as built drawings, test reports documents to Employer / Consultant representative. Complete in all respect.	4	No.	58,380	233,520

SECTOR - 19C  
ENGINEER'S ESTIMATE

S.NO.	PWD Schedule of Rates-2022		DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#	Page#					
B			<b><u>PUMP ROOM ELECTRIFICATION</u></b>				
			<b><u>DISTRIBUTION BOARDS</u></b>				
1			Supply, installation, testing and commissioning of following wall mounted / floor standing surface type Distribution Boards (DB) made with 16 SWG sheet metal, Weatherproof IP-65 rated, dust protected, vermin proof housing coated with approved color having all the necessary switching, protections etc., as per drawing and specification, complete in all respect.				
a)	NSR		DB-PR-19C	1	No.	73,595	73,595
			<b><u>WIRING ACCESSORIES</u></b>				
2			Supply, installation, testing and commissioning of following 13/15/20A, gang type switches, Sockets including 16 SWG Sheet Steel powder coated back boxes with earth terminal, recessed in wall / column, with all accessories as per specification, complete in all respects.				
a)	NSR		Three Gang Switch 10A (Weatherproof type)	1	No.	3,345	3,345
b)	NSR		13A, International Switch Socket Outlet (Weatherproof type)	2	No.	3,310	6,620
c)	NSR		15A, Switch Socket Outlet (Weatherproof type)	1	No.	3,900	3,900
d)	NSR		20A, SPN Isolator (Weatherproof type) for Pump	1	No.	7,890	7,890
3			<b><u>WIRING FOR LIGHTS &amp; SOCKETS</u></b>				
a)	NSR		Supply, laying, tagging, termination, testing and commissioning of Circuit wiring from DB to Switchboard including wiring between switch on the same circuit with 2x2.5 sq.mm + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	1	No.	1,980	1,980
b)	NSR		Supply, laying, tagging, termination, testing and commissioning of Point wiring from Switch Board to Light Point with 3x1.5 sq.mm. single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	3	No.	3,535	10,605
c)			Supply, laying, tagging, termination, testing and commissioning of wiring for 13A Switch Socket outlet with 2x2.5 sq.mm + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect				
i	NSR		DB to Socket outlet	1	No.	4,125	4,125
ii	NSR		Socket outlet to Socket outlet	1	No.	4,470	4,470

**SECTOR - 19C**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
d)		Supply, laying, tagging, termination, testing and commissioning of wiring for 15A Switch Socket outlet with 2x4 sq.mm + 1x4 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect				
i	NSR	DB to Socket outlet	1	No.	7,675	7,675
e)		Supply, laying, tagging, termination, testing and commissioning of wiring for 20A SPN Isolator (for Pump) with 2x4 sq.mm + 1x4 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect.				
i	NSR	DB to 20A SPN Isolator	1	No.	2,710	2,710
<b>C</b>		<b><u>SHOP DRAWINGS</u></b>				
1		Preparation of scaled Shop drawings of complete works after approval from the consultant / client. Job also includes any relocation works. Preparation of shop drawings is compulsory before execution of work as per requirement of consultant's design and site during project execution with coordination of all other services.	1	Job	25,000	25,000
		<b>TOTAL AMOUNT NON-SCHEDULE ITEMS (Rs.) =====&gt;&gt;&gt;</b>				<b>7,716,475</b>

**SECTOR - 24B-1**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
		<b>SCHEDULE ITEMS</b>				
1	2	<b>CHAPTER-2 (INTERNAL ELECTRIFICATION)</b>				
a)	2-26	<b>SUB MAIN IN EXISTING CONDUIT/DUCT</b> Single PVC insulated wire in existing conduit				
i	2-26-04 / P-26	Supply & drawing of 6 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	1000	P/Meter	284	284,000
ii	2-26-05 / P-26	Supply & drawing of 10 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	65	P/Meter	457	29,705
iii	2-26-06 / P-26	Supply & drawing of 16 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	40	P/Meter	686	27,440
b)	2-77	<b>LIGHT FITTINGS &amp; FIXTURES</b> (Philips/Signify/Osram/GE/Thorn)				
i	2-77-07 / P-50	Providing, Installation, Testing & Commissioning of Street / Road Lights (IP65) including driver, having neutral white / cool white colour, 90-110 lm/watts efficiency, 0.9 or above power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by Engineer incharge.				
	(e)	110-120 Watts	47	Each.	58,329	2,741,463
ii	2-77-10 / P-51	Providing, Installation, Testing & Commissioning of water proof LED batten lights including driver, having warm / neutral white / cool white colour, 100-110 lm/watts efficiency, 0.9 or above power factor, 40000-50000 hours life cycle, including connection, complete in all respect as approved by Engineer incharge.				
	(b)	30-36 Watts	3	Each.	23,065	69,195
2	3	<b>CHAPTER-3 (EXTERNAL ELECTRIFICATION)</b>				
a)	3-02	<b>LT CABLES</b> <b>4 Core Underground LT Armoured Cable</b>				
i	3-02-01 / P-57	Providing & laying 4 core, PVC insulated & PVC sheathed, 600/1000 Volts grade with stranded copper conductor, armoured underground, L.T cable buried in the ground dully covered with sand and warning cable tiles as per Pak P.W.D specification as required.				
	(a)	10 mm <sup>2</sup>	50	P/Meter	3,681	184,050
	(c)	25 mm <sup>2</sup>	25	P/Meter	6,395	159,875
		<b>TOTAL AMOUNT SCHEDULE ITEMS (Rs.) =====&gt;&gt;&gt;</b>				<b>3,495,728</b>



**SECTOR - 24B-1**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022		DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#	Page#					
<b>NON-SCHEDULE ITEMS</b>							
<b>A</b>							
<b>EXTERNAL LIGHTING</b>							
1			Supply, installation, testing and commissioning of following Octagonal Street Lighting Pole, hot dipped galvanized (Zinc coating not less than 80 micron) from inside and outside with 4mm wall thickness including base plate anchor bolt, nuts and washer, self inspection door with special keys, cable connection box, all required materials and accessories etc., (detail shown on the drawings and specifications). Complete in all respects as per specification and drawings.				
a)	NSR		8 meter High Single Arm Pole	47	No.	81,160	3,814,520
2	NSR		Construction and installation of Pole foundation in concrete class "A", reinforcement as per AASHTO M31, lean concrete including nuts, base plate, anchor bolts etc. Excavation and backfilling for the Pole foundation shall be included in this job. Foundation constructed above the drain or any location in project. Complete in all respects as per specifications and drawings.	47	No.	22,780	1,070,660
3	NSR		Supply, installation, testing and commissioning of Terminal Box IP-65 including 1 No. 4A, Circuit Breaker with terminals, as per specification and drawing, complete in all respect.	47	No.	9,400	441,800
4	NSR		Supply, laying, installation, testing and commissioning of 3 Core 2.5 Sq.mm Cu.PVC/PVC, 300/500 volts grade copper cable for each light in hollow poles from cable connection terminal box to luminaries, as per drawing and specification, complete in all respect.	445	Rm.	620	275,900
5			Supply, installation, testing and commissioning of following Pad mounted outdoor type Feeder Pillar (FP) / Lighting Control Panel (LCP), Weatherproof IP67 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the necessary switching, protections etc., including all mounting and installation accessories as per specifications and drawings with providing shop drawings, manual and warranty documents to owners representative / consultant, complete in all respect.				
a)	NSR		FP-24B-1	1	No.	453,200	453,200
b)	NSR		LCP-24B-1	1	No.	284,340	284,340
6	NSR		Supply and Construction of RCC foundation (PAD), including excavation and backfilling for respective Feeder Pillar / LCP. Construction with Class "B" Concrete with Well Compacted Ground, used water resistance chemical, water proofing material applied on structure surfaces are concealed below FGL / FFL, Pad size as per Panel base, Specification and as directed by the consultant, complete in all respect.	2	Job	29,500	59,000

**SECTOR - 24B-1**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
7		Supply, laying, tagging, testing, commissioning and termination of following sizes of 600/1000 volts grade Copper conductor, PVC insulated, SWA/PVC sheathed, multi core / single core, armoured / unarmoured cables from LCP to first lighting pole and pole to pole, directly buried in already excavated trenches / already provided under ground uPVC Road Crossing Sleeves, including all cable accessories, lugs, glands etc. Complete in all respects, as per drawing and specification and the entire satisfaction of the engineer and employer. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	4C, 6 Sq.mm Cu/PVC/SWA/PVC (from LCP to first lighting pole and pole to pole)	950	Rm.	1,650	1,567,500
8		Excavation of following size trench in hard / soft soil and backfilling after laying of cable, cost including providing fresh sand 6" above and 6" under cable, laying protection A class bricks on sand, warning tape and backfilling, compaction etc., as per detail shown on the drawing, complete in all respect and the entire satisfaction of the engineer and employer.				
a)	NSR	600mm x 750mm (24" wide x 30" deep) for LV & CCTV Fiber Optic Cables)	800	Rm.	390	312,000
9		Supply, laying and fixing of following size of uPVC Class-D Pipes / uPVC Class-D Sleeves, buried in ground including excavation in hard / soft soil for laying of pipes, cost including backfilling with providing fresh sand 6" under and 6" above pipe, laying protection A class bricks on sand, warning tape, compaction, concrete, plugging of pipe ends etc., as shown on drawings and specifications, complete in all respect and the entire satisfaction of the engineer and employer.				
a)	NSR	50mm dia uPVC Sleeves (Class-D)	25	Rm.	1,505	37,625
10	NSR	Providing and Construction of Manhole Size 3'-0" x 3'-0" x 3'-0" deep, 6"thick, concrete 1:2:4 ratio with 3' round heavy duty cast iron cover, 100% water proof, as per specification and as shown on the drawing, complete in all respect.	1	No.	27,735	27,735
11	NSR	Supply, installation, testing and commissioning of Earth pit with Rod type earth electrode, 3/4" dia and 9 Ft. long copper bonded rod for earthing system, including cost 4" dia boring up to water level or as directed by the engineer in charge, with Bentonite chemical, filling mixture material etc. as per specification to achieve earthing resistance not more than 1 ohm, connection with earth leads of 2x70 sq.mm up to earth testing point, Inspection pit 15" x 15" x 18" deep (min) with heavy duty C.I cover, appropriate size of upvc conduit for leads, complete as per detail drawing and instruction of consultant. providing as built drawings, test reports documents to Employer / Consultant representative. Complete in all respect.	5	No.	58,380	291,900

**SECTOR - 24B-1**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022		DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#						
<b>B</b>			<b><u>PUMP ROOM ELECTRIFICATION</u></b>				
			<b><u>DISTRIBUTION BOARDS</u></b>				
1			Supply, installation, testing and commissioning of following wall mounted / floor standing surface type Distribution Boards (DB) made with 16 SWG sheet metal, Weatherproof IP-65 rated, dust protected, vermin proof housing coated with approved color having all the necessary switching, protections etc., as per drawing and specification, complete in all respect.				
a)	NSR	DB-PR-24B-1		1	No.	78,020	78,020
			<b><u>WIRING ACCESSORIES</u></b>				
2			Supply, installation, testing and commissioning of following 13/15/20A, gang type switches, Sockets including 16 SWG Sheet Steel powder coated back boxes with earth terminal, recessed in wall / column, with all accessories as per specification, complete in all respects.				
a)	NSR	Three Gang Switch 10A (Weatherproof type)		1	No.	3,345	3,345
b)	NSR	13A, International Switch Socket Outlet (Weatherproof type)		2	No.	3,310	6,620
c)	NSR	15A, Switch Socket Outlet (Weatherproof type)		1	No.	3,900	3,900
d)	NSR	20A, TPN Isolator (Weatherproof type) for Pump		1	No.	10,565	10,565
3			<b><u>WIRING FOR LIGHTS &amp; SOCKETS</u></b>				
a)	NSR		Supply, laying, tagging, termination, testing and commissioning of Circuit wiring from DB to Switchboard including wiring between switch on the same circuit with 2x2.5 sq.mm + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	1	No.	1,980	1,980
b)	NSR		Supply, laying, tagging, termination, testing and commissioning of Point wiring from Switch Board to Light Point with 3x1.5 sq.mm. single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	3	No.	3,535	10,605
c)			Supply, laying, tagging, termination, testing and commissioning of wiring for 13A Switch Socket outlet with 2x2.5 sq.mm + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect				
i	NSR	DB to Socket outlet		1	No.	4,125	4,125
ii	NSR	Socket outlet to Socket outlet		1	No.	4,470	4,470

**SECTOR - 24B-1**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
d)		Supply, laying, tagging, termination, testing and commissioning of wiring for 15A Switch Socket outlet with 2x4 sq.mm + 1x4 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect				
i	NSR	DB to Socket outlet	1	No.	7,675	7,675
e)		Supply, laying, tagging, termination, testing and commissioning of wiring for 20A TPN Isolator (for Pump) with 4 core, 4 Sq.mm Cu/PVC/PVC cable + 1 core, 4 Sq.mm Cu/PVC cable as ECC copper conductor PVC insulated wires in 32mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect.				
i	NSR	DB to 20A TPN Isolator	1	No.	5,160	5,160
C		<b><u>SHOP DRAWINGS</u></b>				
1		Preparation of scaled Shop drawings of complete works after approval from the consultant / client. Job also includes any relocation works. Preparation of shop drawings is compulsory before execution of work as per requirement of consultant's design and site during project execution with coordination of all other services.	1	Job	25,000	25,000
		<b>TOTAL AMOUNT NON-SCHEDULE ITEMS (Rs.) =====&gt;&gt;&gt;</b>				<b>8,797,645</b>

**SECTOR - 25B-1**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
		<b>SCHEDULE ITEMS</b>				
1	2	<b>CHAPTER-2 (INTERNAL ELECTRIFICATION)</b>				
a)	2-26	<b>SUB MAIN IN EXISTING CONDUIT/DUCT</b> Single PVC insulated wire in existing conduit				
i	2-26-04 / P-26	Supply & drawing of 6 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	1060	P/Meter	284	301,040
ii	2-26-05 / P-26	Supply & drawing of 10 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	70	P/Meter	457	31,990
iii	2-26-06 / P-26	Supply & drawing of 16 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	40	P/Meter	686	27,440
b)	2-77	<b>LIGHT FITTINGS &amp; FIXTURES</b> (Philips/Signify/Osram/GE/Thorn)				
i	2-77-07 / P-50	Providing, Installation, Testing & Commissioning of Street / Road Lights (IP65) including driver, having neutral white / cool white colour, 90-110 lm/watts efficiency, 0.9 or above power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by Engineer incharge.				
	(e)	110-120 Watts	53	Each.	58,329	3,091,437
ii	2-77-10 / P-51	Providing, Installation, Testing & Commissioning of water proof LED batten lights including driver, having warm / neutral white / cool white colour, 100-110 lm/watts efficiency, 0.9 or above power factor, 40000-50000 hours life cycle, including connection, complete in all respect as approved by Engineer incharge				
	(b)	30-36 Watts	3	Each.	23,065	69,195
2	3	<b>CHAPTER-3 (EXTERNAL ELECTRIFICATION)</b>				
a)	3-02	<b>LT CABLES</b> 4 Core Underground LT Armoured Cable				
i	3-02-01 / P-57	Providing & laying 4 core, PVC insulated & PVC shealthed, 600/1000 Volts grade with stranded copper conductor, armoured underground, L.T cable buried in the ground dully covered with sand and warning cable tiles as per Pak P.W.D specification as required.				
	(a)	10 mm <sup>2</sup>	55	P/Meter	3,681	202,455
	(c)	25 mm <sup>2</sup>	25	P/Meter	6,395	159,875
		<b>TOTAL AMOUNT SCHEDULE ITEMS (Rs.) =====&gt;&gt;&gt;</b>				<b>3,883,432</b>



**SECTOR - 25B-1**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022		DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#						
			<b>NON-SCHEDULE ITEMS</b>				
<b>A</b>			<b>EXTERNAL LIGHTING</b>				
1			Supply, installation, testing and commissioning of following Octagonal Street Lighting Pole, hot dipped galvanized (Zinc coating not less than 80 micron) from inside and outside with 4mm wall thickness including base plate anchor bolt, nuts and washer, self inspection door with special keys, cable connection box, all required materials and accessories etc., (detail shown on the drawings and specifications). Complete in all respects as per specification and drawings.				
a)	NSR		8 meter High Single Arm Pole	53	No.	81,160	4,301,480
2	NSR		Construction and installation of Pole foundation in concrete class "A", reinforcement as per AASHTO M31, lean concrete including nuts, base plate, anchor bolts etc. Excavation and backfilling for the Pole foundation shall be included in this job. Foundation constructed above the drain or any location in project. Complete in all respects as per specifications and drawings.	53	No.	22,780	1,207,340
3	NSR		Supply, installation, testing and commissioning of Terminal Box IP-65 including 1 No. 4A, Circuit Breaker with terminals, as per specification and drawing, complete in all respect.	53	No.	9,400	498,200
4	NSR		Supply, laying, installation, testing and commissioning of 3 Core 2.5 Sq.mm Cu.PVC/PVC, 300/500 volts grade copper cable for each light in hollow poles from cable connection terminal box to luminaries, as per drawing and specification, complete in all respect.	500	Rm.	620	310,000
5			Supply, installation, testing and commissioning of following Pad mounted outdoor type Feeder Pillar (FP) / Lighting Control Panel (LCP), Weatherproof IP67 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the necessary switching, protections etc., including all mounting and installation accessories as per specifications and drawings with providing shop drawings, manual and warranty documents to owners representative / consultant, complete in all respect.				
a)	NSR		FP-25B-1	1	No.	453,200	453,200
b)	NSR		LCP-25B-1	1	No.	284,340	284,340
6	NSR		Supply and Construction of RCC foundation (PAD), including excavation and backfilling for respective Feeder Pillar / LCP. Construction with Class "B" Concrete with Well Compacted Ground, used water resistance chemical, water proofing material applied on structure surfaces are concealed below FGL / FFL, Pad size as per Panel base, Specification and as directed by the consultant, complete in all respect.	2	Job	29,500	59,000

**SECTOR - 25B-1**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
7		Supply, laying, tagging, testing, commissioning and termination of following sizes of 600/1000 volts grade Copper conductor, PVC insulated, SWA/PVC sheathed, multi core / single core, armoured / unarmoured cables from LCP to first lighting pole and pole to pole, directly buried in already excavated trenches / already provided under ground uPVC Road Crossing Sleeves, including all cable accessories, lugs, glands etc. Complete in all respects, as per drawing and specification and the entire satisfaction of the engineer and employer. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	4C, 6 Sq.mm Cu/PVC/SWA/PVC (from LCP to first lighting pole and pole to pole)	1000	Rm.	1,650	1,650,000
8		Excavation of following size trench in hard / soft soil and backfilling after laying of cable, cost including providing fresh sand 6" above and 6" under cable, laying protection A class bricks on sand, warning tape and backfilling, compaction etc., as per detail shown on the drawing, complete in all respect and the entire satisfaction of the engineer and employer.				
a)	NSR	600mm x 750mm (24" wide x 30" deep) for LV & CCTV Fiber Optic Cables)	850	Rm.	390	331,500
9		Supply, laying and fixing of following size of uPVC Class-D Pipes / uPVC Class-D Sleeves, buried in ground including excavation in hard / soft soil for laying of pipes, cost including backfilling with providing fresh sand 6" under and 6" above pipe, laying protection A class bricks on sand, warning tape, compaction, concrete, plugging of pipe ends etc., as shown on drawings and specifications, complete in all respect and the entire satisfaction of the engineer and employer.				
a)	NSR	50mm dia uPVC Sleeves (Class-D)	50	Rm.	1,505	75,250
10	NSR	Providing and Construction of Manhole Size 3'-0" x 3'-0" x 3'-0" deep, 6"thick, concrete 1:2:4 ratio with 3' round heavy duty cast iron cover, 100% water proof, as per specification and as shown on the drawing, complete in all respect.	1	No.	27,735	27,735
11	NSR	Supply, installation, testing and commissioning of Earth pit with Rod type earth electrode, 3/4" dia and 9 Ft. long copper bonded rod for earthing system, including cost 4" dia boring up to water level or as directed by the engineer in charge, with Bentonite chemical, filling mixture material etc. as per specification to achieve earthing resistance not more than 1 ohm, connection with earth leads of 2x70 sq.mm up to earth testing point, Inspection pit 15" x 15" x 18" deep (min) with heavy duty C.I cover, appropriate size of upvc conduit for leads, complete as per detail drawing and instruction of consultant. providing as built drawings, test reports documents to Employer / Consultant representative. Complete in all respect.	4	No.	58,380	233,520

**SECTOR - 25B-1**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022		DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#						
<b>B</b>			<b><u>PUMP ROOM ELECTRIFICATION</u></b>				
			<b><u>DISTRIBUTION BOARDS</u></b>				
1			Supply, installation, testing and commissioning of following wall mounted / floor standing surface type Distribution Boards (DB) made with 16 SWG sheet metal, Weatherproof IP-65 rated, dust protected, vermin proof housing coated with approved color having all the necessary switching, protections etc., as per drawing and specification, complete in all respect.				
a)	NSR	DB-PR-25B-1		1	No.	78,020	78,020
			<b><u>WIRING ACCESSORIES</u></b>				
2			Supply, installation, testing and commissioning of following 13/15/20A, gang type switches, Sockets including 16 SWG Sheet Steel powder coated back boxes with earth terminal, recessed in wall / column, with all accessories as per specification, complete in all respects.				
a)	NSR	Three Gang Switch 10A (Weatherproof type)		1	No.	3,345	3,345
b)	NSR	13A, International Switch Socket Outlet (Weatherproof type)		2	No.	3,310	6,620
c)	NSR	15A, Switch Socket Outlet (Weatherproof type)		1	No.	3,900	3,900
d)	NSR	20A, TPN Isolator (Weatherproof type) for Pump		1	No.	10,565	10,565
3			<b><u>WIRING FOR LIGHTS &amp; SOCKETS</u></b>				
a)	NSR		Supply, laying, tagging, termination, testing and commissioning of Circuit wiring from DB to Switchboard including wiring between switch on the same circuit with 2x2.5 sq.mm + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	1	No.	1,980	1,980
b)	NSR		Supply, laying, tagging, termination, testing and commissioning of Point wiring from Switch Board to Light Point with 3x1.5 sq.mm. single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	3	No.	3,535	10,605
c)			Supply, laying, tagging, termination, testing and commissioning of wiring for 13A Switch Socket outlet with 2x2.5 sq.mm + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect				
i	NSR	DB to Socket outlet		1	No.	4,125	4,125
ii	NSR	Socket outlet to Socket outlet		1	No.	4,470	4,470



**SECTOR - 25B-1**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
d)		Supply, laying, tagging, termination, testing and commissioning of wiring for 15A Switch Socket outlet with 2x4 sq.mm + 1x4 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect				
i	NSR	DB to Socket outlet	1	No.	7,675	7,675
e)		Supply, laying, tagging, termination, testing and commissioning of wiring for 20A TPN Isolator (for Pump) with 4 core, 4 Sq.mm Cu/PVC/PVC cable + 1 core, 4 Sq.mm Cu/PVC cable as ECC copper conductor PVC insulated wires in 32mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect.				
i	NSR	DB to 20A TPN Isolator	1	No.	5,160	5,160
C		<b><u>SHOP DRAWINGS</u></b>				
1		Preparation of scaled Shop drawings of complete works after approval from the consultant / client. Job also includes any relocation works. Preparation of shop drawings is compulsory before execution of work as per requirement of consultant's design and site during project execution with coordination of all other services.	1	Job	25,000	25,000
		<b>TOTAL AMOUNT NON-SCHEDULE ITEMS (Rs.) =====&gt;&gt;&gt;</b>				<b>9,593,030</b>

**SECTOR - 24B-2**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
		<b>SCHEDULE ITEMS</b>				
1	2	<b>CHAPTER-2 (INTERNAL ELECTRIFICATION)</b>				
a)	2-26	<b>SUB MAIN IN EXISTING CONDUIT/DUCT</b> Single PVC insulated wire in existing conduit				
i	2-26-04 / P-26	Supply & drawing of 6 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	960	P/Meter	284	272,640
ii	2-26-05 / P-26	Supply & drawing of 10 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	80	P/Meter	457	36,560
iii	2-26-06 / P-26	Supply & drawing of 16 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	40	P/Meter	686	27,440
b)	2-77	<b>LIGHT FITTINGS &amp; FIXTURES</b> (Philips/Signify/Osram/GE/Thorn)				
i	2-77-07 / P-50	Providing, Installation, Testing & Commissioning of Street / Road Lights (IP65) including driver, having neutral white / cool white colour, 90-110 lm/watts efficiency, 0.9 or above power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by Engineer incharge.				
	(e)	110-120 Watts	50	Each.	58,329	2,916,450
ii	2-77-10 / P-51	Providing, Installation, Testing & Commissioning of water proof LED batten lights including driver, having warm / neutral white / cool white colour, 100-110 lm/watts efficiency, 0.9 or above power factor, 40000-50000 hours life cycle, including connection, complete in all respect as approved by Engineer incharge				
	(b)	30-36 Watts	3	Each.	23,065	69,195
2	3	<b>CHAPTER-3 (EXTERNAL ELECTRIFICATION)</b>				
a)	3-02	<b>LT CABLES</b> 4 Core Underground LT Armoured Cable				
i	3-02-01 / P-57	Providing & laying 4 core, PVC insulated & PVC shealthed, 600/1000 Volts grade with stranded copper conductor, armoured underground, L.T cable buried in the ground dully covered with sand and warning cable tiles as per Pak P.W.D specification as required.				
	(a)	10 mm <sup>2</sup>	65	P/Meter	3,681	239,265
	(c)	25 mm <sup>2</sup>	25	P/Meter	6,395	159,875
		<b>TOTAL AMOUNT SCHEDULE ITEMS (Rs.) =====&gt;&gt;&gt;</b>				<b>3,721,425</b>

**SECTOR - 24B-2**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022		DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#	Page#					
<b>NON-SCHEDULE ITEMS</b>							
<b>A</b>							
<b>EXTERNAL LIGHTING</b>							
1			Supply, installation, testing and commissioning of following Octagonal Street Lighting Pole, hot dipped galvanized (Zinc coating not less than 80 micron) from inside and outside with 4mm wall thickness including base plate anchor bolt, nuts and washer, self inspection door with special keys, cable connection box, all required materials and accessories etc., (detail shown on the drawings and specifications). Complete in all respects as per specification and drawings.				
a)	NSR		8 meter High Single Arm Pole	50	No.	81,160	4,058,000
2	NSR		Construction and installation of Pole foundation in concrete class "A", reinforcement as per AASHTO M31, lean concrete including nuts, base plate, anchor bolts etc. Excavation and backfilling for the Pole foundation shall be included in this job. Foundation constructed above the drain or any location in project. Complete in all respects as per specifications and drawings.	50	No.	22,780	1,139,000
3	NSR		Supply, installation, testing and commissioning of Terminal Box IP-65 including 1 No. 4A, Circuit Breaker with terminals, as per specification and drawing, complete in all respect.	50	No.	9,400	470,000
4	NSR		Supply, laying, installation, testing and commissioning of 3 Core 2.5 Sq.mm Cu.PVC/PVC, 300/500 volts grade copper cable for each light in hollow poles from cable connection terminal box to luminaries, as per drawing and specification, complete in all respect.	475	Rm.	620	294,500
5			Supply, installation, testing and commissioning of following Pad mounted outdoor type Feeder Pillar (FP) / Lighting Control Panel (LCP), Weatherproof IP67 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the necessary switching, protections etc., including all mounting and installation accessories as per specifications and drawings with providing shop drawings, manual and warranty documents to owners representative / consultant, complete in all respect.				
a)	NSR		FP-24B-2	1	No.	453,200	453,200
b)	NSR		LCP-24B-2	1	No.	284,340	284,340
6	NSR		Supply and Construction of RCC foundation (PAD), including excavation and backfilling for respective Feeder Pillar / LCP. Construction with Class "B" Concrete with Well Compacted Ground, used water resistance chemical, water proofing material applied on structure surfaces are concealed below FGL / FFL, Pad size as per Panel base, Specification and as directed by the consultant, complete in all respect.	2	Job	29,500	59,000

**SECTOR - 24B-2**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
7		Supply, laying, tagging, testing, commissioning and termination of following sizes of 600/1000 volts grade Copper conductor, PVC insulated, SWA/PVC sheathed, multi core / single core, armoured / unarmoured cables from LCP to first lighting pole and pole to pole, directly buried in already excavated trenches / already provided under ground uPVC Road Crossing Sleeves, including all cable accessories, lugs, glands etc. Complete in all respects, as per drawing and specification and the entire satisfaction of the engineer and employer. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	4C, 6 Sq.mm Cu/PVC/SWA/PVC (from LCP to first lighting pole and pole to pole)	900	Rm.	1,650	1,485,000
8		Excavation of following size trench in hard / soft soil and backfilling after laying of cable, cost including providing fresh sand 6" above and 6" under cable, laying protection A class bricks on sand, warning tape and backfilling, compaction etc., as per detail shown on the drawing, complete in all respect and the entire satisfaction of the engineer and employer.				
a)	NSR	600mm x 750mm (24" wide x 30" deep) for LV & CCTV Fiber Optic Cables)	800	Rm.	390	312,000
9		Supply, laying and fixing of following size of uPVC Class-D Pipes / uPVC Class-D Sleeves, buried in ground including excavation in hard / soft soil for laying of pipes, cost including backfilling with providing fresh sand 6" under and 6" above pipe, laying protection A class bricks on sand, warning tape, compaction, concrete, plugging of pipe ends etc., as shown on drawings and specifications, complete in all respect and the entire satisfaction of the engineer and employer.				
a)	NSR	50mm dia uPVC Sleeves (Class-D)	45	Rm.	1,505	67,725
10	NSR	Providing and Construction of Manhole Size 3'-0" x 3'-0" x 3'-0" deep, 6"thick, concrete 1:2:4 ratio with 3' round heavy duty cast iron cover, 100% water proof, as per specification and as shown on the drawing, complete in all respect.	1	No.	27,735	27,735
11	NSR	Supply, installation, testing and commissioning of Earth pit with Rod type earth electrode, 3/4" dia and 9 Ft. long copper bonded rod for earthing system, including cost 4" dia boring up to water level or as directed by the engineer in charge, with Bentonite chemical, filling mixture material etc. as per specification to achieve earthing resistance not more than 1 ohm, connection with earth leads of 2x70 sq.mm up to earth testing point, Inspection pit 15" x 15" x 18" deep (min) with heavy duty C.I cover, appropriate size of upvc conduit for leads, complete as per detail drawing and instruction of consultant. providing as built drawings, test reports documents to Employer / Consultant representative. Complete in all respect.	4	No.	58,380	233,520

**SECTOR - 24B-2**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022		DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#						
<b>B</b>			<b><u>PUMP ROOM ELECTRIFICATION</u></b>				
			<b><u>DISTRIBUTION BOARDS</u></b>				
1			Supply, installation, testing and commissioning of following wall mounted / floor standing surface type Distribution Boards (DB) made with 16 SWG sheet metal, Weatherproof IP-65 rated, dust protected, vermin proof housing coated with approved color having all the necessary switching, protections etc., as per drawing and specification, complete in all respect.				
a)	NSR		DB-PR-24B-2	1	No.	78,020	78,020
			<b><u>WIRING ACCESSORIES</u></b>				
2			Supply, installation, testing and commissioning of following 13/15/20A, gang type switches, Sockets including 16 SWG Sheet Steel powder coated back boxes with earth terminal, recessed in wall / column, with all accessories as per specification, complete in all respects.				
a)	NSR		Three Gang Switch 10A (Weatherproof type)	1	No.	3,345	3,345
b)	NSR		13A, International Switch Socket Outlet (Weatherproof type)	2	No.	3,310	6,620
c)	NSR		15A, Switch Socket Outlet (Weatherproof type)	1	No.	3,900	3,900
d)	NSR		20A, TPN Isolator (Weatherproof type) for Pump	1	No.	10,565	10,565
3			<b><u>WIRING FOR LIGHTS &amp; SOCKETS</u></b>				
a)	NSR		Supply, laying, tagging, termination, testing and commissioning of Circuit wiring from DB to Switchboard including wiring between switch on the same circuit with 2x2.5 sq.mm + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	1	No.	1,980	1,980
b)	NSR		Supply, laying, tagging, termination, testing and commissioning of Point wiring from Switch Board to Light Point with 3x1.5 sq.mm. single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	3	No.	3,535	10,605
c)			Supply, laying, tagging, termination, testing and commissioning of wiring for 13A Switch Socket outlet with 2x2.5 sq.mm + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect				
i	NSR		DB to Socket outlet	1	No.	4,125	4,125
ii	NSR		Socket outlet to Socket outlet	1	No.	4,470	4,470

**SECTOR - 24B-2**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
d)		Supply, laying, tagging, termination, testing and commissioning of wiring for 15A Switch Socket outlet with 2x4 sq.mm + 1x4 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect				
i	NSR	DB to Socket outlet	1	No.	7,675	7,675
e)		Supply, laying, tagging, termination, testing and commissioning of wiring for 20A TPN Isolator (for Pump) with 4 core, 4 Sq.mm Cu/PVC/PVC cable + 1 core, 4 Sq.mm Cu/PVC cable as ECC copper conductor PVC insulated wires in 32mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect.				
i	NSR	DB to 20A TPN Isolator	1	No.	5,160	5,160
C		<b><u>SHOP DRAWINGS</u></b>				
1		Preparation of scaled Shop drawings of complete works after approval from the consultant / client. Job also includes any relocation works. Preparation of shop drawings is compulsory before execution of work as per requirement of consultant's design and site during project execution with coordination of all other services.	1	Job	25,000	25,000
		<b>TOTAL AMOUNT NON-SCHEDULE ITEMS (Rs.) =====&gt;&gt;&gt;</b>				<b>9,045,485</b>

**SECTOR - 25B-2**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
		<b>SCHEDULE ITEMS</b>				
1	2	<b>CHAPTER-2 (INTERNAL ELECTRIFICATION)</b>				
a)	2-26	<b>SUB MAIN IN EXISTING CONDUIT/DUCT</b> Single PVC insulated wire in existing conduit				
i	2-26-04 / P-26	Supply & drawing of 6 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	910	P/Meter	284	258,440
ii	2-26-05 / P-26	Supply & drawing of 10 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	75	P/Meter	457	34,275
iii	2-26-06 / P-26	Supply & drawing of 16 mm <sup>2</sup> sqmm, single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	40	P/Meter	686	27,440
b)	2-77	<b>LIGHT FITTINGS &amp; FIXTURES</b> (Philips/Signify/Osram/GE/Thorn)				
i	2-77-07 / P-50	Providing, Installation, Testing & Commissioning of Street / Road Lights (IP65) including driver, having neutral white / cool white colour, 90-110 lm/watts efficiency, 0.9 or above power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by Engineer incharge.				
	(e)	110-120 Watts	48	Each.	58,329	2,799,792
ii	2-77-10 / P-51	Providing, Installation, Testing & Commissioning of water proof LED batten lights including driver, having warm / neutral white / cool white colour, 100-110 lm/watts efficiency, 0.9 or above power factor, 40000-50000 hours life cycle, including connection, complete in all respect as approved by Engineer incharge.				
	(b)	30-36 Watts	3	Each.	23,065	69,195
2	3	<b>CHAPTER-3 (EXTERNAL ELECTRIFICATION)</b>				
a)	3-02	<b>LT CABLES</b> <b>4 Core Underground LT Armoured Cable</b>				
i	3-02-01 / P-57	Providing & laying 4 core, PVC insulated & PVC sheathed, 600/1000 Volts grade with stranded copper conductor, armoured underground, L.T cable buried in the ground dully covered with sand and warning cable tiles as per Pak P.W.D specification as required.				
	(a)	10 mm <sup>2</sup>	60	P/Meter	3,681	220,860
	(c)	25 mm <sup>2</sup>	25	P/Meter	6,395	159,875
		<b>TOTAL AMOUNT SCHEDULE ITEMS (Rs.) =====&gt;&gt;&gt;</b>				<b>3,569,877</b>



**SECTOR - 25B-2**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022		DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#	Page#					
<b>NON-SCHEDULE ITEMS</b>							
<b>A</b>							
<b>EXTERNAL LIGHTING</b>							
1			Supply, installation, testing and commissioning of following Octagonal Street Lighting Pole, hot dipped galvanized (Zinc coating not less than 80 micron) from inside and outside with 4mm wall thickness including base plate anchor bolt, nuts and washer, self inspection door with special keys, cable connection box, all required materials and accessories etc., (detail shown on the drawings and specifications). Complete in all respects as per specification and drawings.				
a)	NSR		8 meter High Single Arm Pole	48	No.	81,160	3,895,680
2	NSR		Construction and installation of Pole foundation in concrete class "A", reinforcement as per AASHTO M31, lean concrete including nuts, base plate, anchor bolts etc. Excavation and backfilling for the Pole foundation shall be included in this job. Foundation constructed above the drain or any location in project. Complete in all respects as per specifications and drawings.	48	No.	22,780	1,093,440
3	NSR		Supply, installation, testing and commissioning of Terminal Box IP-65 including 1 No. 4A, Circuit Breaker with terminals, as per specification and drawing, complete in all respect.	48	No.	9,400	451,200
4	NSR		Supply, laying, installation, testing and commissioning of 3 Core 2.5 Sq.mm Cu.PVC/PVC, 300/500 volts grade copper cable for each light in hollow poles from cable connection terminal box to luminaries, as per drawing and specification, complete in all respect.	455	Rm.	620	282,100
5			Supply, installation, testing and commissioning of following Pad mounted outdoor type Feeder Pillar (FP) / Lighting Control Panel (LCP), Weatherproof IP67 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the necessary switching, protections etc., including all mounting and installation accessories as per specifications and drawings with providing shop drawings, manual and warranty documents to owners representative / consultant, complete in all respect.				
a)	NSR		FP-25B-2	1	No.	453,200	453,200
b)	NSR		LCP-25B-2	1	No.	284,340	284,340
6	NSR		Supply and Construction of RCC foundation (PAD), including excavation and backfilling for respective Feeder Pillar / LCP. Construction with Class "B" Concrete with Well Compacted Ground, used water resistance chemical, water proofing material applied on structure surfaces are concealed below FGL / FFL, Pad size as per Panel base, Specification and as directed by the consultant, complete in all respect.	2	Job	29,500	59,000



**SECTOR - 25B-2**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
7		Supply, laying, tagging, testing, commissioning and termination of following sizes of 600/1000 volts grade Copper conductor, PVC insulated, SWA/PVC sheathed, multi core / single core, armoured / unarmoured cables from LCP to first lighting pole and pole to pole, directly buried in already excavated trenches / already provided under ground uPVC Road Crossing Sleeves, including all cable accessories, lugs, glands etc. Complete in all respects, as per drawing and specification and the entire satisfaction of the engineer and employer. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	4C, 6 Sq.mm Cu/PVC/SWA/PVC (from LCP to first lighting pole and pole to pole)	850	Rm.	1,650	1,402,500
8		Excavation of following size trench in hard / soft soil and backfilling after laying of cable, cost including providing fresh sand 6" above and 6" under cable, laying protection A class bricks on sand, warning tape and backfilling, compaction etc., as per detail shown on the drawing, complete in all respect and the entire satisfaction of the engineer and employer.				
a)	NSR	600mm x 750mm (24" wide x 30" deep) for LV & CCTV Fiber Optic Cables)	800	Rm.	390	312,000
9		Supply, laying and fixing of following size of uPVC Class-D Pipes / uPVC Class-D Sleeves, buried in ground including excavation in hard / soft soil for laying of pipes, cost including backfilling with providing fresh sand 6" under and 6" above pipe, laying protection A class bricks on sand, warning tape, compaction, concrete, plugging of pipe ends etc., as shown on drawings and specifications, complete in all respect and the entire satisfaction of the engineer and employer.				
a)	NSR	50mm dia uPVC Sleeves (Class-D)	55	Rm.	1,505	82,775
10	NSR	Providing and Construction of Manhole Size 3'-0" x 3'-0" x 3'-0" deep, 6"thick, concrete 1:2:4 ratio with 3' round heavy duty cast iron cover, 100% water proof, as per specification and as shown on the drawing, complete in all respect.	1	No.	27,735	27,735
11	NSR	Supply, installation, testing and commissioning of Earth pit with Rod type earth electrode, 3/4" dia and 9 Ft. long copper bonded rod for earthing system, including cost 4" dia boring up to water level or as directed by the engineer in charge, with Bentonite chemical, filling mixture material etc. as per specification to achieve earthing resistance not more than 1 ohm, connection with earth leads of 2x70 sq.mm up to earth testing point, Inspection pit 15" x 15" x 18" deep (min) with heavy duty C.I cover, appropriate size of upvc conduit for leads, complete as per detail drawing and instruction of consultant. providing as built drawings, test reports documents to Employer / Consultant representative. Complete in all respect.	4	No.	58,380	233,520

**SECTOR - 25B-2**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022		DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#						
<b>B</b>			<b><u>PUMP ROOM ELECTRIFICATION</u></b>				
			<b><u>DISTRIBUTION BOARDS</u></b>				
1			Supply, installation, testing and commissioning of following wall mounted / floor standing surface type Distribution Boards (DB) made with 16 SWG sheet metal, Weatherproof IP-65 rated, dust protected, vermin proof housing coated with approved color having all the necessary switching, protections etc., as per drawing and specification, complete in all respect.				
a)	NSR		DB-PR-25B-2	1	No.	78,020	78,020
			<b><u>WIRING ACCESSORIES</u></b>				
2			Supply, installation, testing and commissioning of following 13/15/20A, gang type switches, Sockets including 16 SWG Sheet Steel powder coated back boxes with earth terminal, recessed in wall / column, with all accessories as per specification, complete in all respects.				
a)	NSR		Three Gang Switch 10A (Weatherproof type)	1	No.	3,345	3,345
b)	NSR		13A, International Switch Socket Outlet (Weatherproof type)	2	No.	3,310	6,620
c)	NSR		15A, Switch Socket Outlet (Weatherproof type)	1	No.	3,900	3,900
d)	NSR		20A, TPN Isolator (Weatherproof type) for Pump	1	No.	10,565	10,565
3			<b><u>WIRING FOR LIGHTS &amp; SOCKETS</u></b>				
a)	NSR		Supply, laying, tagging, termination, testing and commissioning of Circuit wiring from DB to Switchboard including wiring between switch on the same circuit with 2x2.5 sq.mm + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	1	No.	1,980	1,980
b)	NSR		Supply, laying, tagging, termination, testing and commissioning of Point wiring from Switch Board to Light Point with 3x1.5 sq.mm. single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	3	No.	3,535	10,605
c)			Supply, laying, tagging, termination, testing and commissioning of wiring for 13A Switch Socket outlet with 2x2.5 sq.mm + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect				
i	NSR		DB to Socket outlet	1	No.	4,125	4,125
ii	NSR		Socket outlet to Socket outlet	1	No.	4,470	4,470

**SECTOR - 25B-2**  
**ENGINEER'S ESTIMATE**

S.NO.	PWD Schedule of Rates-2022	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	Item#/Page#					
d)		Supply, laying, tagging, termination, testing and commissioning of wiring for 15A Switch Socket outlet with 2x4 sq.mm + 1x4 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect				
i	NSR	DB to Socket outlet	1	No.	7,675	7,675
e)		Supply, laying, tagging, termination, testing and commissioning of wiring for 20A TPN Isolator (for Pump) with 4 core, 4 Sq.mm Cu/PVC/PVC cable + 1 core, 4 Sq.mm Cu/PVC cable as ECC copper conductor PVC insulated wires in 32mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect.				
i	NSR	DB to 20A TPN Isolator	1	No.	5,160	5,160
C		<b><u>SHOP DRAWINGS</u></b>				
1		Preparation of scaled Shop drawings of complete works after approval from the consultant / client. Job also includes any relocation works. Preparation of shop drawings is compulsory before execution of work as per requirement of consultant's design and site during project execution with coordination of all other services.	1	Job	25,000	25,000
		<b>TOTAL AMOUNT NON-SCHEDULE ITEMS (Rs.) =====&gt;&gt;&gt;</b>				<b>8,738,955</b>

## SUMMARY OF ELECTRIFICATION WORKS

S. R No.	Name	Total Amount (RS.)
1	Sector 4-C	122,148,585.00
2	Sector 18-C	9,836,940.00
3	Sector 19-C	10,026,640.00
4	Sector 24-B	64,641,972.00
5	Sector 25-B	74,709,852.00
	<b>Grand Total</b>	<b>281,363,989.00</b>



### Electrification Work for Sector-4-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
	<b><u>H.T OVER HEAD</u></b>				
1	PROVIDING AND FIXING OF STEEL TABULAR POLE 36' X 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	5	137200	686,000.00
2	PROVIDING AND FIXING OF EARTH ROD AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	5	22800	114,000.00
3	PROVIDING AND FIXING OF U CLAMP GROUNDING AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	5	7225	36,125.00
4	PROVIDING AND FIXING OF STEEL WIRE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Meter	20	400	8,000.00
5	PROVIDING AND FIXING OF CHENAL IRON BRACKET PHASE TYPE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	2	15000	30,000.00
6	PROVIDING AND FIXING OF CHENAL IRON BRACKET EARTH TYPE 14" X 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	2	11250	22,500.00
7	PROVIDING AND FIXING OF ANTY PERCHANT BRACKET CHANEL 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	2	1250	2,500.00
8	PROVIDING AND FIXING OF CHENAL IRON BRACKET 14" X 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	4	11250	45,000.00
9	PROVIDING AND FIXING OF PIN INSULATOR WITH STEEL PIN AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	22	9375	206,250.00
10	PROVIDING AND FIXING OF DISC INSULATER AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	12	7500	90,000.00
11	PROVIDING AND FIXING OF HDBC WIRE 3/O SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	kg	20	5975	119,500.00
12	PROVIDING AND FIXING OF HDBC WIRE 4/O SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	kg	20	5975	119,500.00
13	PROVIDING AND FIXING OF BINDING WIRE 16SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Kg	5	5975	29,875.00
14	PROVIDING AND FIXING OF G.I WIRE 22.2MM (7/8") AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Kg	30	1500	45,000.00
15	PROVIDING AND FIXING OF STRUD UNIT COMPLETE HT AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	3	60000	180,000.00
16	PROVIDING AND FIXING OF PMT STRUCTURE 500KVA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	1	206000	206,000.00
17	PROVIDING AND FIXING OF PMT CHAMBER BOX AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	1	21875	21,875.00
18	PROVIDING AND FIXING OF PG BUS BAR ARRANGEMENT WITH PG CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	sets	1	8300	8,300.00
19	PROVIDING AND FIXING PMT 250 KVA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	1	3630000	3,630,000.00



### Electrification Work for Sector-4-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
20	PROVIDING AND FIXING PMT 500 KVA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	1	5204000	5,204,000.00
21	PROVIDING AND FIXING PMT 750 KVA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	1	7350000	7,350,000.00
22	PROVIDING AND FIXING EARTHING OF PMT'S COMPLETE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	2	58000	116,000.00
23	PROVIDING AND FIXING 11KV H.T VCB PANEL WITH OUT METERING AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	3	3274900	9,824,700.00
24	PROVIDING AND FIXING EARTHING OF SUB STATION COMPLETE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	3	58000	174,000.00
25	PROVIDING AND FIXING H.T 11KV 3CORE, 300MM ARMoured CABLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Mtr	660	23555	15,546,300.00
26	PROVIDING AND FIXING 240MM TERMINATION INDOOR/OUTDOOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	4	24995	99,980.00
27	PROVIDING AND FIXING 300MM TERMINATION INDOOR/OUTDOOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	4	24995	99,980.00
28	PROVIDING AND FIXING HT JOINT 300MM <sup>2</sup> AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	2	39990	79,980.00
29	PROVIDING AND FIXING EARTH FAULT INDICATOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	4	31265	125,060.00
30	PROVIDING AND FIXING EFI BOX AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	4	31250	125,000.00
31	PROVIDING AND FIXING LOAD BANK SWITCH LBS AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	2	1156000	2,312,000.00
32	PROVIDING AND FIXING STRAIGHT THROUGH JOINT AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	2	39990	79,980.00
33	PROVIDING AND FIXING D/O CUT OUT 100AMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	3	28125	84,375.00
34	PROVIDING AND FIXING 11KV WALL MOUNTED TYPE AND BOX 400AMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	1	31250	31,250.00
35	PROVIDING AND FIXING HRC FUSE GRIP 400AMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	6	3820	22,920.00
36	PROVIDING AND FIXING DB FUSE BOX AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	2	31250	62,500.00
37	PROVIDING AND FIXING CIRCUIT BREAKER 800AMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	1	398290	398,290.00
38	PROVIDING AND FIXING BREAKER BOX 800AMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	1	31250	31,250.00
39	PROVIDING AND FIXING 11KV SURGE ARRESTOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	3	18750	56,250.00



### Electrification Work for Sector-4-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
40	PROVIDING AND FIXING G.I STRIP 19X13 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	24	375	9,000.00
41	PROVIDING AND FIXING G.I STRIP 19X18 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	30	375	11,250.00
42	PROVIDING AND FIXING BARBED WIRE WITH DANGER BOARD 11KV AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	3	8000	24,000.00
43	PROVIDING AND FIXING 11KV H.T JOINT MARKER AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	2	29000	58,000.00
44	PROVIDING AND FIXING G.I PIPE 4" DIA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Mtr	12	4400	52,800.00
45	PROVIDING AND FIXING G.I PIPE 5" DIA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Mtr	12	6200	74,400.00
46	PROVIDING AND FIXING G.I PIPE 6" DIA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Mtr	18	6700	120,600.00
47	PROVIDING AND FIXING CABLE WARNING TILES 12"X9"X2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	4000	200	800,000.00
48	PROVIDING AND FIXING WOODEN CLEATS AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	5	8750	43,750.00
49	PROVIDING AND FIXING CABLE CLAMPS AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	4	1500	6,000.00
50	PROVIDING AND FIXING COPPER LUGS 120MM / 70MM AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	18	1675	30,150.00
51	PROVIDING AND FIXING COPPER LUGS 300MM AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	16	3500	56,000.00
52	PROVIDING AND FIXING JOINTING MATERIAL AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	sets	88000	500	44,000,000.00
53	PROVIDING AND FIXING PVC TAPE (4COLOURE) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	60	100	6,000.00
54	PROVIDING AND FIXING EMPIRE TAPE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	2	150	300.00
55	PROVIDING AND FIXING DEAD END CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	6	4850	29,100.00
	<b><u>L.T OVER HEAD</u></b>				
56	PROVIDING AND FIXING STEEL TUBULAR POLES 5.1/2 X 31 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	NOS	28	127600	3,572,800.00
57	PROVIDING AND FIXING EARTH ROD AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	28	22800	638,400.00
58	PROVIDING AND FIXING U CLAMP GROUNDING AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	28	7225	202,300.00
59	PROVIDING AND FIXING STEEL WIRE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Meter	112	400	44,800.00
60	PROVIDING AND FIXING IRON "D" 3.5 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	NOS	24	375	9,000.00
61	PROVIDING AND FIXING SHAKLE INSILATOR 19X18 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	NOS	24	1125	27,000.00



### Electrification Work for Sector-4-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
62	PROVIDING AND FIXING TIGER AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Meter	5487	385	2,112,495.00
63	PROVIDING AND FIXING RABBIT AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	KG	1000	900	900,000.00
64	PROVIDING AND FIXING STRUT UNIT COMPLETE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	NOS	15	55000	825,000.00
65	PROVIDING AND FIXING EARTHING OF L.T EQUIPMENT AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	NOS	6	58000	348,000.00
66	PROVIDING AND FIXING L.T 4 CORE 240MM ARMoured CABLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Mtr	80	62790	5,023,200.00
67	PROVIDING AND FIXING 70MM SINGLE CORE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Mtr	30	3195	95,850.00
68	PROVIDING AND FIXING 120MM SINGLE CORE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Mtr	20	5555	111,100.00
69	PROVIDING AND FIXING 240MM SINGLE CORE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Mtr	100	11130	1,113,000.00
70	PROVIDING AND FIXING LUGS 70 CU AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	50	500	25,000.00
71	PROVIDING AND FIXING LUGS 120 CU AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	40	1675	67,000.00
72	PROVIDING AND FIXING LUGS 240 CU AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	50	2000	100,000.00
73	PROVIDING AND FIXING L.T TYPE 400AMP ADJUSTABLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	NOS	1	89000	89,000.00
74	PROVIDING AND FIXING LT 4 WAY PANEL POLYMER AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	NOS	2	366290	732,580.00
75	PROVIDING AND FIXING CABLE WARNING TILES 12"X9"X2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	NOS	400	200	80,000.00
76	PROVIDING AND FIXING CABLE CLAMPS AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	sets	6	375	2,250.00
77	PROVIDING AND FIXING JOINTING MATERIAL AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Job	1	500	500.00
78	PROVIDING AND FIXING PVC TAPE (4 COLOR) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	NOS	30	100	3,000.00
79	PROVIDING AND FIXING EMPIRE TAPE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	sets	2	150	300.00
80	PROVIDING AND FIXING SUSPENSION CLAMP LT AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	20	1250	25,000.00
81	PROVIDING AND FIXING B TYPE 5-1/2 CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	40	1250	50,000.00
82	PROVIDING AND FIXING B TYPE 6-1/2 CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	40	1500	60,000.00





### Electrification Work for Sector-4-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
83	PROVIDING AND FIXING A- TYPE 5-1/2 CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	180	1250	225,000.00
84	PROVIDING AND FIXING A -TYPE 6-1/2 CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	35	1500	52,500.00
85	PROVIDING AND FIXING C- TYPE 5-1/2 CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	30	700	21,000.00
86	PROVIDING AND FIXING C- TYPE 6-1/2 CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	35	1000	35,000.00
87	PROVIDING AND FIXING IPC 95 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	80	750	60,000.00
88	PROVIDING AND FIXING END CAP 95 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	60	85	5,100.00
89	PROVIDING AND FIXING END CAP 70 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	20	75	1,500.00
90	PROVIDING AND FIXING CABLE TIE 10" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	1000	70	70,000.00
91	PROVIDING AND FIXING ABC CABLE 95MM AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Mtr	2000	3085	6,170,000.00
92	PROVIDING AND FIXING BOLT & NUT 5-1/2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	190	375	71,250.00
93	PROVIDING AND FIXING BOLT & NUT 7X5/8 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	80	565	45,200.00
94	PROVIDING AND FIXING BOLT & NUT 7X3/4 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	40	565	22,600.00
95	PROVIDING AND FIXING BOLT & NUT 2-1/2X1/2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	150	300	45,000.00
96	PROVIDING AND FIXING BOLT & NUT 1-1/2X1/2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	Nos	40	250	10,000.00
97	CIVIL WORK FOR SUB-STATION 4-C	Job	1	2400000	2,400,000.00
98	CONSTRUCTION OF SUB-STATION AS PER K-ELECTRIC SPECIFICATION (CIVIL WORK)	Job	1	1800000	1,800,000.00
99	EXCAVATION FOR FOUNDATION TRENCHES & DRAINS IN ALL KINDS OF SOIL I/C GRAVELLY & MURUM SOIL, WET SILT,CLAY OF MUD CONGLOMERATION OF GRAVEL & BOULDERS, SOFT, SANDY OR DESTINGERATED SANDY & HARD ROCK AND BACK FILLING THE EXCAVATED MATERIAL IN FOUNDATION, PLINTH OR UNDER FLOOR I/C BREAKING CLODS, WATERING, CONSOLIDATION BY RAMMING IN LAYERS NOT EXCEEDING 6" IN DEPTH TO FULL COMPACTION, DRESSING & DISPOSAL OF SURPLUS EXCAVATED STUFF AS DIRECTED, LEAD UPTO ONE CHAIN & LIFT UPTO 5 FEET.	Cft.	100	12	1,200.00
100	PROVIDING & LAYING 1:4:8 CEMENT CONCRETE USING GRADED STONE BALLAST 2" AND DOWN GAUGE IN FOUNDATION TRENCHES , U.G TANK AND SEPTIC TANK COMPACTING AND CURING ETC. COMPLETE.	Cft	75	225	16,875.00



### Electrification Work for Sector-4-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
101	PROVIDING & LAYING 1:3:6 CEMENT CONCRETE MACHINE MADE SOLID BLOCK MASONRY MORETHAN 6" THICK USING GRADED SCREENED BAJRI 3/4" AND DOWN GAUGE SET IN CEMENT MORTAR 1:6 IN FOUNDATION , BASEMENT AND PLINTH I/C SCAFFOLDING RACKING OF JOINTS AND CURING ETC. COMPLETE FOUNDATION AND BASEMENT MASONARY UPTO 5 FEET DEPTH AND PLINTH 4 FEET HEIGHT FROM GROUND LEVEL.	Cft.	600	375	225,000.00
102	PROVIDING & LAYING 1:3:6 CEMENT CONCRETE MACHINE MADE SOLID BLOCK MASONRY MORETHAN 6" THICK USING GRADED SCREENED BAJRI 3/4" AND DOWN GAUGE SET IN CEMENT MORTAR 1:6 IN FOUNDATION , BASEMENT & PLINTH I/C SCAFFOLDING RACKING OF JOINTS AND CURING ETC.IN COMPLETE IN GROUND FLOOR SUPERSTRUCTURE.	Sft	50	385	19,250.00
103	PROVIDING & LAYING 2" THICK DAMP PROOF COURSE WITH CEMENT CONCRETE 1:2:4 CAST IN SITU USING GRADED SCREENED BAJRI OF 3/4" AND DOWN GAUGE MIXED WITH ANY APPROVED WATER PROOFING AGENT I/C COMPACTING, CURING FORM WORK & ITS REMOVAL ETC. COMPLETE, BUT EXCLUDING THE COST OF WATER PROOFING AGENT.	Sft.	50	125	6,250.00
104	SUPPLYING, STACKING, SPREADING & FILLING STONES OF REQUIRED SIZE TO REQUIRED SLOP FROM APPROVED QUARRIES IN PLINTH OR UNDER FLOOR I/C FILLING VOIDS WITH SPAWL & CLIPS & CONSOLIDATION BY RAMMING LAYERS NOT EXCEEDING 9" IN DEPTH TO FULL COMPACTION LIFT UPTO 5FEET.	Cft.	152	135	20,520.00
105	PROVIDING & LAYING 1:4:8 CEMENT CONCRETE BED UNDER FLOORS USING GRADED STONE BALLAST 2" AND DOWN GAUGE WITH LEVELING AND RAMMING WATREING AND CURING ETC. COMPLETE.	Cft.	152	230	34,960.00
106	PROVIDING & LAYING FLOORS 2" THICK 1:2:4 CEMENT CONCRETE USING GRADED SCREENED BAJRI 3/4" AND DOWN GAUGE IN GROUND FLOOR LAID IN PANELS I/C FORM WORK CONSOLIDATION FINISHING AND CURING ETC.COMPLETE.	Sft.	520	165	85,800.00



### Electrification Work for Sector-4-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
107	PROVIDING & LAYING REINFORCED CEMENT CONCRETE USING 50% CRUSH GRADED BOULDED 3/4" AND DOWN GAUGE AND 50% SCREENED GRADED BAJRI 3/4" AND DOWN GAUGE HAVING A MINIMUM WORK CUBE CRUSING STRENGTH OF 3000 LBS PER SQ.INCH AT 28DAYS WITH A MIX NOT LEANER THAN 1:2:4 IN COLUMN FOOTING OF REQUIRED SHAPE I/C FORM WORK AND ITS REMOVAL, COMPACTING AND CURING ETC.COMPLETE BUT EXCLUDING THE COST OF REINFORCEMENT IN FOUNDATION AND PLINTH.	Cft.	25	525	13,125.00
108	PROVIDING & LAYING REINFORCED CEMENT CONCRETE USING 50% CRUSH GRADED BOULDED 3/4" AND DOWN GAUGE AND 50% SCREENED GRADED BAJRI 3/4" AND DOWN GAUGE HAVING A MINIMUM WORK CUBE CRUSING STRENGTH OF 3000 LBS PER SQ.INCH AT 28DAYS WITH A MIX NOT LEANER THAN 1:2:4 IN COLUMN I/C FORM WORK AND ITS REMOVAL, COMPACTING AND CURING ETC.COMPLETE BUT EXCLUDING THE COST OF REINFORCEMENT IN FOUNDATION AND PLINTH.	Cft.	5	525	2,625.00
109	PROVIDING & LAYING REINFORCED CEMENT CONCRETE USING 50% CRUSH GRADED BOULDED 3/4" AND DOWN GAUGE AND 50% SCREENED GRADED BAJRI 3/4" AND DOWN GAUGE HAVING A MINIMUM WORK CUBE CRUSING STRENGTH OF 3000 LBS PER SQ.INCH AT 28DAYS WITH A MIX NOT LEANER THAN 1:2:4 IN COLUMN I/C FORM WORK AND ITS REMOVAL, COMPACTING AND CURING ETC.COMPLETE BUT EXCLUDING THE COST OF REINFORCEMENT IN SUPERSTRUCTURE COLUMNS.	Cft.	8	530	4,240.00
110	PROVIDING & LAYING REINFORCED CEMENT CONCRETE USING 50% CRUSH GRADED BOULDED 3/4" AND DOWN GAUGE AND 50% SCREENED GRADED BAJRI 3/4" AND DOWN GAUGE HAVING A MINIMUM WORK CUBE CRUSING STRENGTH OF 3000 LBS PER SQ.INCH AT 28DAYS WITH A MIX NOT LEANER THAN 1:2:4 IN STRAIGHT BEAMS, LINTELS CANTILEVERED BEAMS OF REQUIRED SHAPE OR SECTION I/C FORM WORK AND ITS REMOVAL, COMPACTING AND CURING ETC.COMPLETE BUT EXCLUDING THE COST OF REINFORCEMENT.	Cft.	25	530	13,250.00



### Electrification Work for Sector-4-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
111	PROVIDING & LAYING REINFORCED CEMENT CONCRETE USING 50% CRUSH GRADED BOULDED 3/4" AND DOWN GAUGE AND 50% SCREENED GRADED BAJRI 3/4" AND DOWN GAUGE HAVING A MINIMUM WORK CUBE CRUSING STRENGTH OF 3000 LBS PER SQ.INCH AT 28DAYS WITH A MIX NOT LEANER THAN 1:2:4 IN ORDINARY SLAB UPTO 5" THICK I/C FORM WORK AND ITS REMOVAL, COMPACTING AND CURING ETC.COMPLETE BUT EXCLUDING THE COST OF REINFORCEMENT, IN BASEMENT PLINTH AND GROUND FLOOR. A) 5" THICK SLAB.	Cft.	25	530	13,250.00
112	PROVIDING & LAYING REINFORCED CEMENT CONCRETE USING 50% CRUSH GRADED BOULDED 3/4" AND DOWN GAUGE AND 50% SCREENED GRADED BAJRI 3/4" AND DOWN GAUGE HAVING A MINIMUM WORK CUBE CRUSING STRENGTH OF 3000 LBS PER SQ.INCH AT 28DAYS WITH A MIX NOT LEANER THAN 1:2:4 IN ORDINARY CANTILEVER SLAB UPTO 5" THICK I/C FORM WORK AND ITS REMOVAL, COMPACTING AND CURING ETC.COMPLETE BUT EXCLUDING THE COST OF REINFORCEMENT, IN BASEMENT PLINTH AND GROUND FLOOR. A) 5" THICK SLAB.	Cft.	15	530	7,950.00
113	PROVIDING & LAYING DEFORMED STEEL REINFORCEMENT BARS WITH GUARANTED MINIMUM YIELD STRESS OF 60,000 PSI WITH AND I/C THE COST OF STRAIGHTENING CUTTING, BENDING BINDING WASTAGE, COMPLETE IN ALL KINDS OF RCC WORK.	kg	100	310	31,000.00
114	1/4" THICK CEMENT PLASTER 1:4 ON SOFFITS OF CEILING CANTILEVER SLABS, SIDES AND SOFFITS OF BEAMS ETC, IN BASEMENT , MEZZANINE , AND GROUND FLOOR I/C MAKING EDGES, CORNERS, AND CURING ETC. COMPLETE.	Sft.	60	60	3,600.00
115	1/2" THICK CEMENT (INTERNAL) PLASTER 1:6 ON WALLS AND COLUMNS ETC, IN BASEMENT , MEZZANINE , AND GROUND FLOOR I/C MAKING EDGES, CORNERS, AND CURING ETC. COMPLETE.	Sft.	1,200	65	78,000.00
116	1/2" THICK CEMENT (EXTERNAL) PLASTER 1:6 ON WALL AND COLUMNS ETC, IN BASEMENT , MEZZANINE , AND GROUND FLOOR I/C MAKING EDGES, CORNER, AND CURING ETC. COMPLETE.	Sft.	100	70	7,000.00



### Electrification Work for Sector-4-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
117	PROVIDING & FIXING STEEL GATE THEFT DOOR ALONG WITH THE SPECIAL LOCK SIZE 8' X 9' OF FLAT IRON SECTIONS OF APPROVED DESIGN WITH G.I SHEET COVERING I/C HOLD FAST, WITH OR WITHOUT ROLLERS AND TRACK ARRANGEMENT I/C PROVIDING WICKET SHUTTER OF REQUIRED SIZE WITH ALL ACCESSORIES AND LOOKING ARRANGEMENT AS PER K ELECTRIC SPECIFICATION DIRECTION OF THE ENGINEER-IN-CHARGE.	each	1	160000	160,000.00
118	PROVIDING & FIXING PRECAST R.C.C SLAB 2" THICK COVER CABLE TRANCES AS PER K ELECTRIC SPECIFICATION DIRECTION OF THE ENGINEER-IN-CHARGE.	sft	110	275	30,250.00
119	WHITE WASHING TWO COATS AT ANY HEIGHT IN ANY FLOOR.AS PER K ELECTRIC SPECIFICATION DIRECTION OF THE ENGINEER-IN-CHARGE.	sft	400	25	10,000.00
120	OIL BOUND DISTEMPERING WITH DISTEMPER OF APPROVAL MAKE AND SHADE IN TWO COATS OVER AND I/C THE COST OF ONE PRINTING COAT OF LIME WASH I/C SAND PREPERING, DUSTING, AND FILLING THE HOLES , CRACKS AND INEQUALITIES, IF ANY , AT ANY HEIGHT IN ANY FLOOR.AS PER K ELECTRIC SPECIFICATION DIRECTION OF THE ENGINEER-IN-CHARGE.	Sft.	1,000	30	30,000.00
121	SNOWCEMING OF APPROVED MAKE AND SHADE IN TWO COATS WELL SCRUBBED IN TO THE SURFACE I/C FINISHING SMOOTH AT ANY HEIGHT IN ANY FLOOR AS PER K ELECTRIC SPECIFICATION DIRECTION OF THE ENGINEER-IN-CHARGE.	Sft.	325	85	27,625.00
122	PAINTING IRON WORK WITH SYNTHEIC ENAMEL PAINT OF APPROVED MAKE AND SHADE 2 COATS OVER AND I/C THE COAT OF ONE PRIMARY COAT COMPLETE AT ANY HEIGHT IN ANY FLOOR.	Sft.	200	65	13,000.00
123	PROVIDING AND FIXING OF ANGLE IRON FRAME SIZE 1-1/2"X1-1/2"X 4MM2' FLAT IRON SECTIONS OF APPROVED DESIGN WITH B.R.C. SQUARE JULI 2"X2" X1/4" I/C HOLD FAST, WITH OR WITHOUT ROLLERS AND TRACK ARRANGEMENT REQUIRED SIZE WITH ALL ACCESSORIESAS PER K ELECTRIC SPECIFICATION DIRECTION OF THE ENGINEER-IN-CHARGE.	sft	600	750	450,000.00
124	PROVIDING AND FIXING OF M.S LOVER OF FLAT IRON SECTIONS OF APPROVED DESIGN WITH G.I SHEET COVERING I/C HOLD FAST, WITH OR WITHOUT ROLLERS AND TRACK ARRANGEMENT I/C PROVIDING WICKET SHUTTER OF REQUIRED SIZE WITH ALL ACCESSORIESAS PER K ELECTRIC SPECIFICATION DIRECTION OF THE ENGINEER-IN-CHARGE.	Sft	38	500	19,000.00



### Electrification Work for Sector-4-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
125	PROVIDING & FIXING M.S. CHECKER PLATE OF REQUIRED SIZE 4MM THICK WITH FLAT IRON STRIP ALL OVER THE FRAME TO COVER CABLE TRENCHES AS PER K ELECTRIC SPECIFICATION AND DIRECTION OF THE ENGINEER-IN-CHARGE.	sft	225	3500	787,500.00
<b>Total Amount Rs.</b>					<b>122,148,585.00</b>



### Electrification Work for Sector-18-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
1	PROVIDING AND FIXING OF CONDUCTOR ACSR RABBIT 2 SWG as per K.E specification as required at site.	meters	1,000	385	385,000.00
2	PROVIDING AND FIXING OF CONDUCTOR; ACSR DOG 3/0SWG as per K.E specification as required at site.	meters	1,850	780	1,443,000.00
3	PROVIDING AND FIXING OF STRIP; SHACKLE G.I 19/13 as per K.E specification as required at site.	Nos	14	375	5,250.00
4	PROVIDING AND FIXING OF ALMUNIUW WIRE; BINDING, 16SWG as per K.E specification as required at site.	meters	24	160	3,840.00
5	PROVIDING AND FIXING OF STAY UNIT; HT COMPLETE as per K.E specification as required at site.	Nos	5	18125	90,625.00
6	PROVIDING AND FIXING OF STRIP; SHACKLE G.I 19/18 as per K.E specification as required at site.	Nos	25	375	9,375.00
7	PROVIDING AND FIXING OF STRUT UNIT; COMPLETE FOR HT POLE as per K.E specification as required at site.	Nos	3	60000	180,000.00
8	PROVIDING AND FIXING OF STRUT UNIT; COMPLETE FOR LT POLE as per K.E specification as required at site.	Nos	2	55000	110,000.00
9	PROVIDING AND FIXING OF CLAMP; G. I D-TYPE 3-1/2" as per K.E specification as required at site.	Nos	14	375	5,250.00
10	PROVIDING AND FIXING OF CLAMP; G. I D-TYPE 5-1/2" as per K.E specification as required at site.	Nos	23	1250	28,750.00
11	PROVIDING AND FIXING OF INSULATORS PIN TYPE 11 KV as per K.E specification as required at site.	Nos	44	6250	275,000.00
12	PROVIDING AND FIXING OF PIN; FOR PIN INSULATOR as per K.E specification as required at site.	Nos	10	3125	31,250.00
13	PROVIDING AND Applying OF OIL; TARPENTINE OIL as per K.E specification as required at site.	LITRE	16	450	7,200.00
14	PROVIDING AND Applying OF PAINT; SYNTHETIC ENAMAL ORANGE as per K.E specification as required at site.	LITRE	16	1250	20,000.00
15	PROVIDING AND Applying PAINT; ENAMEL SPL GREY as per K.E specification as required at site.	LITRE	113	1250	141,250.00
16	PROVIDING AND Applying OF SHINGLE (BAJRI) as per K.E specification as required at site.	Cft	105	85	8,925.00
17	PROVIDING AND Applying OF CEMENT; BAG 50 KG as per K.E specification as required at site.	KGs	1420	30	42,600.00
18	PROVIDING AND FIXING OF CLAMP; SNAIL DISCONNECTION FOR 11 KV as per K.E specification as required at site.	Nos	20	1875	37,500.00



### Electrification Work for Sector-18-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
19	PROVIDING AND FIXING OF BOLT & NUT; BRASS HEX 2X1/2" as per K.E specification as required at site.	Nos	30	563	16,890.00
20	PROVIDING AND FIXING OF LINE TAP; 70MM2 3/OSWG as per K.E specification as required at site.	Nos	21	1625	34,125.00
21	PROVIDING AND FIXING OF PLATE; COPPER 4"X4"X3/8" cost includes , all mixing material as per K.E specification as required at site.	Nos	6	9340	56,040.00
22	PROVIDING AND FIXING OF BUSBAR ARRANGEMENT; PMT WITH PG CLAMP as per K.E specification as required at site.	Mtr	20	8300	166,000.00
23	PROVIDING AND FIXING OF CLAMP; C-TYPE FOR 70MM CU CONDUCTOR as per K.E specification as required at site.	Nos	7	700	4,900.00
24	RE-PAINTING work for POLE; HT ST, 36'X5-1/2" as per K.E specification as required at site.	Nos	20	3800	76,000.00
25	PROVIDING AND FIXING OF BOLT & NUT; G I 3"X1/2" as per K.E specification as required at site.	Nos	43	250	10,750.00
26	PROVIDING AND FIXING OF BOLT & NUT; G.I W/O WASHER 5" x 1/2" as per K.E specification as required at site.	Nos	147	375	55,125.00
27	PROVIDING AND FIXING OF INSULATOR DISC POR as per K.E specification as required at site.	Nos	24	7500	180,000.00
28	PROVIDING AND FIXING OF BOLT & NUT; M.S 7"X1/2" as per K.E specification as required at site.	Nos	7	565	3,955.00
29	PROVIDING AND FIXING OF BOLT & NUT; M.S 7"X3/4" as per K.E specification as required at site.	Nos	61	565	34,465.00
30	PROVIDING AND FIXING OF BOLT & NUT; M.S 1-1/2" X 1/2" as per K.E specification as required at site.	Nos	4	250	1,000.00
31	PROVIDING AND FIXING OF BOLT & NUT WITH WASHER G.I. 2-1/2"x1/2" as per K.E specification as required at site.	Nos	86	300	25,800.00
32	PROVIDING AND FIXING OF 11KV Knife Switch as per K.E specification as required at site.	Nos	2	161750	323,500.00
33	PROVIDING AND FIXING OF BRACKET; POLE G.I C TYPE 4-1/2" as per K.E specification as required at site.	Nos	10	1000	10,000.00
34	PROVIDING RE-PAINTING WORK POLE; LT ST 31'X4-1/2" as per K.E specification as required at site.	Nos	10	3650	36,500.00
35	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 5-1/2" as per K.E specification as required at site.	Nos	11	1250	13,750.00
36	PROVIDING AND FIXING OF BRACKET; POLE G.I C TYPE 6-1/2" as per K.E specification as required at site.	Nos	7	1250	8,750.00
37	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 6-1/2" as per K.E specification as required at site.	Nos	7	1250	8,750.00





### Electrification Work for Sector-18-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
38	PROVIDING AND FIXING OF LUG; CU 70MM2 as per K.E specification as required at site.	Nos	13	500	6,500.00
39	PROVIDING AND FIXING OF PIPE ; G.I 1-1/2" DIA as per K.E specification as required at site.	Mtr	5	1315	6,575.00
40	PROVIDING AND FIXING OF BOX; ANTI-THEFT A TYPE as per K.E specification as required at site.	Nos	2	40350	80,700.00
41	PROVIDING AND FIXING OF BRACKET; POLE ANTI PURCHENT S/P 5-1/2" as per K.E specification as required at site.	Nos	3	18125	54,375.00
42	PROVIDING AND FIXING OF BRACKET; POLE ANTI PURCHENT S/P 6-1/2" as per K.E specification as required at site.	Nos	3	18125	54,375.00
43	PROVIDING AND FIXING OF BRACKET; EARTH 8'X5-1/2 DIA. as per K.E specification as required at site.	Nos	2	19375	38,750.00
44	PROVIDING AND FIXING OF BRACKET; POLE CH.I 14" x 5-1/2" as per K.E specification as required at site.	Nos	1	5625	5,625.00
45	PROVIDING AND FIXING OF BRACKET; PHASE HT 5' X 5-1/2" as per K.E specification as required at site.	Nos	2	15000	30,000.00
46	PROVIDING AND FIXING OF CLAMP Dead End ASSEMBLY;(BRACKET&CLAMP) as per K.E specification as required at site.	Nos	1	4850	4,850.00
47	PROVIDING AND FIXING OF PIPE; PVC 1" as per K.E specification as required at site.	Mtr	13	210	2,730.00
48	PROVIDING AND FIXING OF BOLT; G.I ROWAL 10MM DIA as per K.E specification as required at site.	Nos	3	100	300.00
49	PROVIDING AND FIXING OF BOLT & NUT G.I. SIZE 2" X 1/2" as per K.E specification as required at site.	Nos	84	375	31,500.00
50	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 4-1/2" as per K.E specification as required at site.	Nos	7	1250	8,750.00
51	PROVIDING AND FIXING OF INSULATOR; SHACKLE 19/13 as per K.E specification as required at site.	Nos	1	1125	1,125.00
52	PROVIDING AND FIXING OF BOLT & NUT; G.I W/O WASHER 5" x 1/2" as per K.E specification as required at site.	Nos	41	375	15,375.00
53	PROVIDING AND FIXING OF INSULATOR; SHACKLE LT 19/18 as per K.E specification as required at site.	Nos	8	1125	9,000.00
54	PROVIDING AND FIXING OF LUG; CU 70MM2 as per K.E specification as required at site.	Nos	10	500	5,000.00
55	PROVIDING AND FIXING PIPE ; G.I 1-1/2" DIA as per K.E specification as required at site.	Mtr	3	1400	4,200.00
56	PROVIDING AND FIXING SWEET SAND as per K.E specification as required at site.	cft	3225	75	241,875.00
57	PROVIDING AND INSTALLATION OF CABLE; AL XLPE ABC 3x95+70+1x25MM2 as per K.E specification as required at site.	Mtr	1013	3085	3,125,105.00



### Electrification Work for Sector-18-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
58	PROVIDING AND FIXING OF LUGS; BI-METALLIC (AL-CU) 25 MM2 as per K.E specification as required at site.	Nos	15	725	10,875.00
59	PROVIDING AND FIXING OF LUG; BIMETALLIC 95MM2 as per K.E specification as required at site.	Nos	30	1030	30,900.00
60	PROVIDING AND FIXING OF CAP; END FOR 70MM2 CABLE as per K.E specification as required at site.	Nos	50	75	3,750.00
61	PROVIDING AND FIXING OF TIE; CABLE 10" (5 Nos. Ties of EA) as per K.E specification as required at site.	Nos	666	70	46,620.00
62	PROVIDING AND FIXING OF CAP; END FOR 95MM2 CABLE as per K.E specification as required at site.	Nos	45	85	3,825.00
63	Providing and fixing IPC for Bundle cable connection as per K.E specification as required at site.	Nos	35	750	26,250.00
64	PROVIDING AND FIXING OF BREAKER; LT 400A WITH METAL PLATE as per K.E specification as required at site.	Nos	1	89000	89,000.00
65	PROVIDING AND FIXING OF BOX; BREAKER LT TYPE-2 FOR 300A TO 400A as per K.E specification as required at site.	Nos	2	21875	43,750.00
66	PROVIDING AND FIXING OF WIRE; CU, PVC INSULATED, S/CORE, 120 MM2 as per K.E specification as required at site.	Mtr	25	5555	138,875.00
67	PROVIDING AND FIXING OF D. O. CUTOOUT 100AMP TYPE: D as per K.E specification as required at site.	Nos	6	28125	168,750.00
68	PROVIDING AND FIXING OF LINK; FUSE D.O CUTOOUT 15A 11KV as per K.E specification as required at site.	Nos	1	3750	3,750.00
69	PROVIDING AND FIXING OF LIGHTING ARRESTOR as per K.E specification as required at site.	Nos	6	18750	112,500.00
70	PROVIDING AND FIXING OF PMT Structure 500 KVA 9' Complete. as per K.E specification as required at site.	Nos	2	206000	412,000.00
71	PROVIDING AND FIXING OF CLEAT;WOODEN (12" Long) For PMt as per K.E specification as required at site.	Nos	2	8750	17,500.00
72	PROVIDING AND FIXING OF CURRENT TRANSFORMER; 800/5A (For Check Meter) as per K.E specification as required at site.	Nos	5	6050	30,250.00
73	PROVIDING AND FIXING OF CURRENT TRANSFORMER; 400/5A (For Check Meter) as per K.E specification as required at site.	Nos	6	6150	36,900.00
74	PROVIDING AND FIXING OF TWIST TITE WIRER SEAL (PLASTIC) as per K.E specification as required at site.	Nos	3	300	900.00
75	PROVIDING AND FIXING OF TWIST TITE WIRER SEAL (PLASTIC) (For Check Meter) as per K.E specification as required at site.	Nos	5	300	1,500.00



### Electrification Work for Sector-18-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
76	PROVIDING AND FIXING OF BOX; LT DB (ICTP FUSE BOX) 400 A as per K.E specification as required at site.	Nos	4	31250	125,000.00
77	PROVIDING AND FIXING OF COVER; PROTECTION FOR HT BUSHING, PMT as per K.E specification as required at site.	Mtr	6	3125	18,750.00
78	PROVIDING AND FIXING OF LINK; FUSE HRC 400A as per K.E specification as required at site.	Nos	6	3820	22,920.00
79	PROVIDING AND FIXING OF LUGS COPPER 120 MM2 as per K.E specification as required at site.	Nos	3	1675	5,025.00
80	PROVIDING AND FIXING CABLE; CU L.T 4-CORE (ARM) 35MM2 as per K.E specification as required at site.	meters	25	7540	188,500.00
81	PROVIDING AND FIXING CABLE; CU L.T 4-CORE (ARM) 70MM2 as per K.E specification as required at site.	meters	30	14250	427,500.00
82	PROVIDING AND FIXING CABLE COPPER TWIN CORE PVC 10 MM2 U/A as per K.E specification as required at site.	Mtr	65	1400	91,000.00
83	Providing NOC, TEST FORM AND EIK FEE CHARGES ,Permission and Fitness Certificate for Transformers as per K.E specification as required for energizing the Scheme.	P.KW	265	85	22,525.00
84	Machine boring for Earth pit ,Bore 21 feet deep ground level Hard and soft soil as per K.E specification as required at site.	nos	5	28000	140,000.00
<b>Total Amount Rs.</b>					<b>9,836,940.00</b>



### Electrification Work for Sector-19-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
1	PROVIDING AND FIXING OF CONDUCTOR ACSR RABBIT 2 SWG as per K.E specification as required at site.	meters	475	385	182,875.00
2	PROVIDING AND FIXING OF CONDUCTOR; ACSR DOG 3/0SWG as per K.E specification as required at site.	meters	1,343	780	1,047,540.00
3	PROVIDING AND FIXING OF STRIP; SHACKLE G.I 19/13 as per K.E specification as required at site.	Nos	7	375	2,625.00
4	PROVIDING AND FIXING OF ALMUNIUM WIRE; BINDING, 16SWG as per K.E specification as required at site.	meters	12	160	1,920.00
5	PROVIDING AND FIXING OF STAY UNIT; HT COMPLETE as per K.E specification as required at site.	Nos	5	18125	90,625.00
6	PROVIDING AND FIXING OF STRIP; SHACKLE G.I 19/18 as per K.E specification as required at site.	Nos	12	375	4,500.00
7	PROVIDING AND FIXING OF STRUT UNIT; COMPLETE FOR HT POLE as per K.E specification as required at site.	Nos	3	60000	180,000.00
8	PROVIDING AND FIXING OF STRUT UNIT; COMPLETE FOR LT POLE as per K.E specification as required at site.	Nos	7	55000	385,000.00
9	PROVIDING AND FIXING OF CLAMP; G. I D-TYPE 3-1/2" as per K.E specification as required at site.	Nos	7	375	2,625.00
10	PROVIDING AND FIXING OF CLAMP; G. I D-TYPE 5-1/2" as per K.E specification as required at site.	Nos	12	1250	15,000.00
11	PROVIDING AND FIXING OF INSULATORS PIN TYPE 11 KV as per K.E specification as required at site.	Nos	35	6250	218,750.00
12	PROVIDING AND FIXING OF PIN; FOR PIN INSULATOR as per K.E specification as required at site.	Nos	10	3125	31,250.00
13	PROVIDING AND Applying OF OIL; TARPENTINE OIL as per K.E specification as required at site.	LITRE	8	450	3,600.00
14	PROVIDING AND Applying OF PAINT; SYNTHETIC ENAMAL ORANGE as per K.E specification as required at site.	LITRE	8	1250	10,000.00
15	PROVIDING AND Applying PAINT; ENAMEL SPL GREY as per K.E specification as required at site.	LITRE	57	1250	71,250.00
16	PROVIDING AND Applying OF SHINGLE (BAJRI) as per K.E specification as required at site.	Cft	52	85	4,420.00
17	PROVIDING AND Applying OF CEMENT; BAG 50 KG as per K.E specification as required at site.	KGs	710	30	21,300.00
18	PROVIDING AND FIXING OF CLAMP; SNAIL DISCONNECTION FOR 11 KV as per K.E specification as required at site.	Nos	10	1875	18,750.00



### Electrification Work for Sector-19-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
19	PROVIDING AND FIXING OF BOLT & NUT; BRASS HEX 2X1/2" as per K.E specification as required at site.	Nos	15	563	8,445.00
20	PROVIDING AND FIXING OF LINE TAP; 70MM <sup>2</sup> 3/OSWG as per K.E specification as required at site.	Nos	11	1625	17,875.00
21	PROVIDING AND FIXING OF PLATE; COPPER 4"X4"X3/8" cost includes , all mixing material as per K.E specification as required at site.	Nos	6	9340	56,040.00
22	PROVIDING AND FIXING OF CLAMP; C-TYPE FOR 70MM CU CONDUCTOR as per K.E specification as required at site.	Nos	3	700	2,100.00
23	RE-PAINTING work for POLE; HT ST, 36'X5-1/2" as per K.E specification as required at site.	Nos	15	3800	57,000.00
24	PROVIDING AND FIXING OF BOLT & NUT; G I 3"X1/2" as per K.E specification as required at site.	Nos	21	250	5,250.00
25	PROVIDING AND FIXING OF BOLT & NUT; G.I W/O WASHER 5" x 1/2" as per K.E specification as required at site.	Nos	74	375	27,750.00
26	PROVIDING AND FIXING OF INSULATOR DISC POR as per K.E specification as required at site.	Nos	24	7500	180,000.00
27	PROVIDING AND FIXING OF BOLT & NUT; M.S 7"X1/2" as per K.E specification as required at site.	Nos	3	565	1,695.00
28	PROVIDING AND FIXING OF BOLT & NUT; M.S 7"X3/4" as per K.E specification as required at site.	Nos	31	565	17,515.00
29	PROVIDING AND FIXING OF BOLT & NUT; M.S 1-1/2" X 1/2" as per K.E specification as required at site.	Nos	3	250	750.00
30	PROVIDING AND FIXING OF BOLT & NUT WITH WASHER G.I. 2-1/2"x1/2" as per K.E specification as required at site.	Nos	40	300	12,000.00
31	PROVIDING AND FIXING OF 11KV Knife Switch as per K.E specification as required at site.	Nos	2	161750	323,500.00
32	PROVIDING AND FIXING OF BRACKET; POLE G.I C TYPE 4-1/2" as per K.E specification as required at site.	Nos	5	1000	5,000.00
33	PROVIDING RE-PAINTING WORK POLE; LT ST 31'X4-1/2" as per K.E specification as required at site.	Nos	5	3650	18,250.00
34	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 5-1/2" as per K.E specification as required at site.	Nos	6	1250	7,500.00
35	PROVIDING AND FIXING OF BRACKET; POLE G.I C TYPE 6-1/2" as per K.E specification as required at site.	Nos	4	1250	5,000.00
36	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 6-1/2" as per K.E specification as required at site.	Nos	4	1250	5,000.00
37	PROVIDING AND FIXING OF PIPE ; G.I 1-1/2" DIA as per K.E specification as required at site.	Mtr	3	1315	3,945.00



### Electrification Work for Sector-19-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
38	PROVIDING AND FIXING OF BOX; ANTI-THEFT A TYPE as per K.E specification as required at site.	Nos	2	40350	80,700.00
39	PROVIDING AND FIXING OF BRACKET; POLE ANTI PURCHENT S/P 5-1/2" as per K.E specification as required at site.	Nos	2	18125	36,250.00
40	PROVIDING AND FIXING OF BRACKET; POLE ANTI PURCHENT S/P 6-1/2" as per K.E specification as required at site.	Nos	2	18125	36,250.00
41	PROVIDING AND FIXING OF BRACKET; EARTH 8'X5-1/2 DIA. as per K.E specification as required at site.	Nos	2	19375	38,750.00
42	PROVIDING AND FIXING OF BRACKET; POLE CH.I 14" x 5-1/2" as per K.E specification as required at site.	Nos	1	5625	5,625.00
43	PROVIDING AND FIXING OF BRACKET; PHASE HT 5' X 5-1/2" as per K.E specification as required at site.	Nos	2	15000	30,000.00
44	PROVIDING AND FIXING OF CLAMP Dead End ASSEMBLY;(BRACKET&CLAMP) as per K.E specification as required at site.	Nos	1	4850	4,850.00
45	PROVIDING AND FIXING OF PIPE; PVC 1" as per K.E specification as required at site.	Mtr	7	210	1,470.00
46	PROVIDING AND FIXING OF BOLT; G.I ROWAL 10MM DIA as per K.E specification as required at site.	Nos	2	100	200.00
47	PROVIDING AND FIXING OF BOLT & NUT G.I. SIZE 2" X 1/2" as per K.E specification as required at site.	Nos	42	375	15,750.00
48	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 4-1/2" as per K.E specification as required at site.	Nos	4	1250	5,000.00
49	PROVIDING AND FIXING OF INSULATOR; SHACKLE 19/13 as per K.E specification as required at site.	Nos	1	1125	1,125.00
50	PROVIDING AND FIXING OF BOLT & NUT; G.I W/O WASHER 5" x 1/2" as per K.E specification as required at site.	Nos	20	375	7,500.00
51	PROVIDING AND FIXING OF INSULATOR; SHACKLE LT 19/18 as per K.E specification as required at site.	Nos	4	1125	4,500.00
52	PROVIDING AND FIXING PIPE ; G.I 1-1/2" DIA as per K.E specification as required at site.	Mtr	3	1400	4,200.00
53	PROVIDING AND FIXING SWEET SAND as per K.E specification as required at site.	cft	1,613	75	120,975.00
54	PROVIDING AND INSTALLATION OF CABLE; AL XLPE ABC 3x95+70+1x25MM2 as per K.E specification as required at site.	Mtr	1,400	3085	4,319,000.00
55	PROVIDING AND FIXING OF LUGS; BI-METALLIC (AL-CU) 25 MM2 as per K.E specification as required at site.	Nos	4	725	2,900.00
56	PROVIDING AND FIXING OF LUG; BIMETALLIC 95MM2 as per K.E specification as required at site.	Nos	10	1030	10,300.00



### Electrification Work for Sector-19-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
57	PROVIDING AND FIXING OF CAP; END FOR 70MM2 CABLE as per K.E specification as required at site.	Nos	25	75	1,875.00
58	PROVIDING AND FIXING OF TIE; CABLE 10" (5 Nos. Ties of EA) as per K.E specification as required at site.	Nos	333	70	23,310.00
59	PROVIDING AND FIXING OF CAP; END FOR 95MM2 CABLE as per K.E specification as required at site.	Nos	23	85	1,955.00
60	Providing and fixing IPC for Bundle cable connection as per K.E specification as required at site.	Nos	18	750	13,500.00
61	PROVIDING AND FIXING OF BREAKER; LT 400A WITH METAL PLATE as per K.E specification as required at site.	Nos	1	89000	89,000.00
62	PROVIDING AND FIXING OF BOX; BREAKER LT TYPE-2 FOR 300A TO 400A as per K.E specification as required at site.	Nos	2	21875	43,750.00
63	PROVIDING AND FIXING OF WIRE; CU, PVC INSULATED, S/CORE, 120 MM2 as per K.E specification as required at site.	Mtr	25	5555	138,875.00
64	PROVIDING AND FIXING OF D. O. CUTOUT 100AMP TYPE: D as per K.E specification as required at site.	Nos	6	28125	168,750.00
65	PROVIDING AND FIXING OF LIGHTING ARRESTOR as per K.E specification as required at site.	Nos	6	3750	22,500.00
66	PROVIDING AND FIXING OF PMT Structure 500 KVA 9' Complete. as per K.E specification as required at site.	Nos	2	206000	412,000.00
67	PROVIDING AND FIXING OF CLEAT;WOODEN (12" Long) For PMt as per K.E specification as required at site.	Nos	2	8750	17,500.00
68	PROVIDING AND FIXING OF CURRENT TRANSFORMER; 800/5A (For Check Meter) as per K.E specification as required at site.	Nos	2	6050	12,100.00
69	PROVIDING AND FIXING OF CURRENT TRANSFORMER; 400/5A (For Check Meter) as per K.E specification as required at site.	Nos	6	6150	36,900.00
70	PROVIDING AND FIXING OF TWIST TITE WIRER SEAL (PLASTIC) as per K.E specification as required at site.	Nos	1	300	300.00
71	PROVIDING AND FIXING OF TWIST TITE WIRER SEAL (PLASTIC) (For Check Meter) as per K.E specification as required at site.	Nos	2	300	600.00
72	PROVIDING AND FIXING OF BOX; LT DB (ICTP FUSE BOX) 400 A as per K.E specification as required at site.	Nos	4	31250	125,000.00
73	PROVIDING AND FIXING OF COVER; PROTECTION FOR HT BUSHING, PMT as per K.E specification as required at site.	Mtr	6	3125	18,750.00
74	PROVIDING AND FIXING OF BUSBAR ARRANGEMENT; PMT WITH PG CLAMP as per K.E specification as required at site.	Mtr	20	8300	166,000.00
75	PROVIDING AND FIXING OF LUG; CU 70MM2 as per K.E specification as required at site.	Nos	7	500	3,500.00



### Electrification Work for Sector-19-C

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
76	PROVIDING AND FIXING OF LINK; FUSE HRC 400A as per K.E specification as required at site.	Nos	6	3820	22,920.00
77	PROVIDING AND FIXING OF LUG; CU 70MM2 as per K.E specification as required at site.	Nos	5	500	2,500.00
78	PROVIDING AND FIXING OF LUGS COPPER 120 MM2 as per K.E specification as required at site.	Nos	8	1675	13,400.00
79	PROVIDING AND FIXING CABLE; CU L.T 4-CORE (ARM) 35MM2 as per K.E specification as required at site.	meters	27	7540	203,580.00
80	PROVIDING AND FIXING CABLE; CU L.T 4-CORE (ARM) 70MM2 as per K.E specification as required at site.	meters	30	14250	427,500.00
81	PROVIDING AND FIXING CABLE COPPER TWIN CORE PVC 10 MM2 U/A as per K.E specification as required at site.	Mtr	32	1400	44,800.00
82	Providing NOC, TEST FORM AND EIK FEE CHARGES ,Permission and Fitness Certificate for Transformers as per K.E specification as required for energizing the Scheme.	P.KW	1,221	85	103,785.00
83	Machine boring for Earth pit ,Bore 21 feet deep ground level Hard and soft soil as per K.E specification as required at site.	nos	5	28000	140,000.00
	<b>Total Amount Rs.</b>				<b>10,026,640.00</b>





### Electrification Work for Sector, 24-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
1	PROVIDING AND FIXING OF CONDUCTOR ACSR RABBIT 2 SWG as per K.E specification as required at site.	meters	4,000	385	1,540,000.00
2	PROVIDING AND FIXING OF CONDUCTOR; ACSR DOG 3/0SWG as per K.E specification as required at site.	meters	10,500	780	8,190,000.00
3	PROVIDING AND FIXING OF STRIP; SHACKLE G.I 19/13 as per K.E specification as required at site.	Nos	65	375	24,375.00
4	PROVIDING AND FIXING OF ALMUNIUW WIRE; BINDING, 16SWG as per K.E specification as required at site.	meters	120	160	19,200.00
5	PROVIDING AND FIXING OF STAY UNIT; HT COMPLETE as per K.E specification as required at site.	Nos	2	18125	36,250.00
6	PROVIDING AND FIXING OF STRIP; SHACKLE G.I 19/18 as per K.E specification as required at site.	Nos	124	375	46,500.00
7	PROVIDING AND FIXING OF STRUT UNIT; COMPLETE FOR HT POLE as per K.E specification as required at site.	Nos	12	60000	720,000.00
8	PROVIDING AND FIXING OF STRUT UNIT; COMPLETE FOR LT POLE as per K.E specification as required at site.	Nos	29	55000	1,595,000.00
9	PROVIDING AND FIXING OF CLAMP; G. I D-TYPE 3-1/2" as per K.E specification as required at site.	Nos	71	375	26,625.00
10	PROVIDING AND FIXING OF INSULATORS PIN TYPE 11 KV as per K.E specification as required at site.	Nos	118	6250	737,500.00
11	PROVIDING AND FIXING OF PIN; FOR PIN INSULATOR as per K.E specification as required at site.	Nos	118	3125	368,750.00
12	PROVIDING AND Applying OF OIL; TARPENTINE OIL as per K.E specification as required at site.	LITRE	85	450	38,250.00
13	PROVIDING AND Applying OF PAINT; SYNTHETIC ENAMEL ORANGE as per K.E specification as required at site.	LITRE	81	1250	101,250.00
14	PROVIDING AND Applying PAINT; ENAMEL SPL GREY as per K.E specification as required at site.	LITRE	567	1250	708,750.00
15	PROVIDING AND Applying OF SHINGLE (BAJRI) as per K.E specification as required at site.	Cft	530	85	45,050.00
16	PROVIDING AND Applying OF CEMENT; BAG 50 KG as per K.E specification as required at site.	KGs	7,101	30	213,030.00
17	PROVIDING AND FIXING OF CLAMP; SNAIL DISCONNECTION FOR 11 KV as per K.E specification as required at site.	Nos	100	1875	187,500.00
18	PROVIDING AND FIXING OF BOLT & NUT; BRASS HEX 2X1/2" as per K.E specification as required at site.	Nos	149	563	83,887.00



### Electrification Work for Sector, 24-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
19	PROVIDING AND FIXING OF LINE TAP; 70MM2 3/OSWG as per K.E specification as required at site.	Nos	107	1625	173,875.00
20	PROVIDING AND FIXING OF PLATE; COPPER 4"X4"X3/8" cost includes , all mixing material as per K.E specification as required at site.	Nos	14	9340	130,760.00
21	PROVIDING AND FIXING OF CLAMP; C-TYPE FOR 70MM CU CONDUCTOR as per K.E specification as required at site.	Nos	35	700	24,500.00
22	RE-PAINTING work for POLE; HT ST, 36'X5-1/2" as per K.E specification as required at site.	Nos	60	3800	228,000.00
23	PROVIDING AND FIXING OF BOLT & NUT; G I 3"X1/2" as per K.E specification as required at site.	Nos	213	250	53,250.00
24	PROVIDING AND FIXING OF BOLT & NUT; G.I W/O WASHER 5" x 1/2" as per K.E specification as required at site.	Nos	737	375	276,375.00
25	PROVIDING AND FIXING OF INSULATOR DISC POR as per K.E specification as required at site.	Nos	82	7500	615,000.00
26	PROVIDING AND FIXING OF BOLT & NUT; M.S 7"X1/2" as per K.E specification as required at site.	Nos	33	565	18,645.00
27	PROVIDING AND FIXING OF BOLT & NUT; M.S 7"X3/4" as per K.E specification as required at site.	Nos	307	565	173,455.00
28	PROVIDING AND FIXING OF BOLT & NUT; M.S 1-1/2" X 1/2" as per K.E specification as required at site.	Nos	19	250	4,750.00
29	PROVIDING AND FIXING OF BOLT & NUT WITH WASHER G.I. 2-1/2"x1/2" as per K.E specification as required at site.	Nos	431	300	129,300.00
30	PROVIDING AND FIXING OF BRACKET; POLE G.I C TYPE 4-1/2" as per K.E specification as required at site.	Nos	50	1000	50,000.00
31	PROVIDING RE-PAINTING WORK POLE; LT ST 31'X4-1/2" as per K.E specification as required at site.	Nos	50	3650	182,500.00
32	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 5-1/2" as per K.E specification as required at site.	Nos	56	1250	70,000.00
33	PROVIDING AND FIXING OF BRACKET; POLE G.I C TYPE 6-1/2" as per K.E specification as required at site.	Nos	36	1250	45,000.00
34	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 6-1/2" as per K.E specification as required at site.	Nos	35	1250	43,750.00
35	PROVIDING AND FIXING OF LUG; CU 70MM2 as per K.E specification as required at site.	Nos	67	500	33,500.00
36	PROVIDING AND FIXING OF PIPE ; G.I 1-1/2" DIA as per K.E specification as required at site.	Mtr	25	1315	32,875.00
37	PROVIDING AND FIXING OF BOX; ANTI-THEFT A TYPE as per K.E specification as required at site.	Nos	3	40350	121,050.00



### Electrification Work for Sector, 24-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
38	PROVIDING AND FIXING OF BRACKET; POLE ANTI PURCHENT S/P 5-1/2" as per K.E specification as required at site.	Nos	14	18125	253,750.00
39	PROVIDING AND FIXING OF BRACKET; POLE ANTI PURCHENT S/P 6-1/2" as per K.E specification as required at site.	Nos	14	18125	253,750.00
40	PROVIDING AND FIXING OF BRACKET; EARTH 8'X5-1/2 DIA. as per K.E specification as required at site.	Nos	10	19375	193,750.00
41	PROVIDING AND FIXING OF BRACKET; POLE CH.I 14" x 5-1/2" as per K.E specification as required at site.	Nos	2	5625	11,250.00
42	PROVIDING AND FIXING OF BRACKET; PHASE HT 5' X 5-1/2" as per K.E specification as required at site.	Nos	10	15000	150,000.00
43	PROVIDING AND FIXING OF CLAMP Dead End ASSEMBLY;(BRACKET&CLAMP) as per K.E specification as required at site.	Nos	4	4850	19,400.00
44	PROVIDING AND FIXING OF PIPE; PVC 1" as per K.E specification as required at site.	Mtr	66	210	13,860.00
45	PROVIDING AND FIXING OF BOLT; G.I ROWAL 10MM DIA as per K.E specification as required at site.	Nos	15	100	1,500.00
46	PROVIDING AND FIXING OF BOLT & NUT G.I. SIZE 2" X 1/2" as per K.E specification as required at site.	Nos	422	375	158,250.00
47	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 4-1/2" as per K.E specification as required at site.	Nos	36	1250	45,000.00
48	PROVIDING AND FIXING OF INSULATOR; SHACKLE 19/13 as per K.E specification as required at site.	Nos	8	1125	9,000.00
49	PROVIDING AND FIXING OF BOLT & NUT; G.I W/O WASHER 5" x 1/2" as per K.E specification as required at site.	Nos	205	375	76,875.00
50	PROVIDING AND FIXING OF INSULATOR; SHACKLE LT 19/18 as per K.E specification as required at site.	Nos	38	1125	42,750.00
51	PROVIDING AND FIXING OF 11KV Knife Switch as per K.E specification as required at site.	Nos	6	161750	970,500.00
52	PROVIDING AND INSTALLATION OF CABLE; AL XLPE ABC 3x95+70+1x25MM2 as per K.E specification as required at site.	Mtr	2,100	3085	6,478,500.00
53	PROVIDING AND FIXING OF LUGS; BI-METALLIC (AL-CU) 25 MM2 as per K.E specification as required at site.	Nos	43	725	31,175.00
54	PROVIDING AND FIXING OF LUG; BIMETALLIC 95MM2 as per K.E specification as required at site.	Nos	104	1030	107,120.00
55	PROVIDING AND FIXING OF CAP; END FOR 70MM2 CABLE as per K.E specification as required at site.	Nos	250	75	18,750.00



### Electrification Work for Sector, 24-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
56	PROVIDING AND FIXING OF TIE; CABLE 10" (5 Nos. Ties of EA) as per K.E specification as required at site.	Nos	3,330	70	233,100.00
57	PROVIDING AND FIXING OF CAP; END FOR 95MM2 CABLE as per K.E specification as required at site.	Nos	225	85	19,125.00
58	Providing and fixing IPC for Bundle cable connection as per K.E specification as required at site.	Nos	175	750	131,250.00
59	PROVIDING AND FIXING OF TRANSFORMER; DISTRIBUTION 3-PHASE 750KVA as per K.E specification as required at site.	Nos	1	5458900	5,458,900.00
60	PROVIDING AND FIXING OF BREAKER; LT 400A WITH METAL PLATE as per K.E specification as required at site.	Nos	2	89000	178,000.00
61	PROVIDING AND FIXING OF BOX; BREAKER LT TYPE-2 FOR 300A TO 400A as per K.E specification as required at site.	Nos	3	21875	65,625.00
62	PROVIDING AND FIXING OF WIRE; CU, PVC INSULATED, S/CORE, 120 MM2 as per K.E specification as required at site.	Mtr	70	5555	388,850.00
63	PROVIDING AND FIXING OF D. O. CUTOUT 100AMP TYPE: D as per K.E specification as required at site.	Nos	9	28125	253,125.00
64	PROVIDING AND FIXING OF LINK; FUSE D.O CUTOUT 15A 11KV as per K.E specification as required at site.	Nos	2	3750	7,500.00
65	PROVIDING AND FIXING OF LIGHTING ARRESTOR as per K.E specification as required at site.	Nos	9	18750	168,750.00
66	PROVIDING AND FIXING OF PANEL; INDOOR LT 8 WAY as per K.E specification as required at site.	Nos	2	366290	732,580.00
67	PROVIDING AND FIXING PIX-KE Cassette (Prot.) 630A VCB; 11KV, 630 AVCB CT Ratio 400/5, W/PROT as per K-Electric Specification.	Nos	2	3274900	6,549,800.00
68	PROVIDING AND FIXING PIX-KE Cassette (Prot.) 630A VCB; 11KV, 630 CT 100/5, W/PROT as per K-Electric Specification.	Nos	2	3274900	6,549,800.00
69	PROVIDING AND FIXING OF CLAMP; G. I D-TYPE 5-1/2" as per K.E specification as required at site.	Nos	117	1250	146,250.00
70	PROVIDING AND INSTALLATION OF WIRE; CU, PVC INSULATED, S/CORE 70 MMSQ Black & Green as per K.E specification as required at site.	Mtr	410	3195	1,309,950.00
71	PROVIDING AND FIXING OF PMT Structure 500 KVA 9' Complete. as per K.E specification as required at site.	Nos	3	206000	618,000.00
72	PROVIDING AND FIXING OF CLEAT;WOODEN (12" Long) For PMt as per K.E specification as required at site.	Nos	3	8750	26,250.00



### Electrification Work for Sector, 24-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
73	PROVIDING AND FIXING OF CURRENT TRANSFORMER; 800/5A (For Check Meter) as per K.E specification as required at site.	Nos	24	6050	145,200.00
74	PROVIDING AND FIXING OF CURRENT TRANSFORMER; 400/5A (For Check Meter) as per K.E specification as required at site.	Nos	9	6150	55,350.00
75	PROVIDING AND FIXING OF TWIST TITE WIRER SEAL (PLASTIC) as per K.E specification as required at site.	Nos	12	300	3,600.00
76	PROVIDING AND FIXING OF TWIST TITE WIRER SEAL (PLASTIC) (For Check Meter) as per K.E specification as required at site.	Nos	19	300	5,700.00
77	PROVIDING AND FIXING OF BOX; LT DB (ICTP FUSE BOX) 400 A as per K.E specification as required at site.	Nos	6	31250	187,500.00
78	PROVIDING AND FIXING OF COVER; PROTECTION FOR HT BUSHING, PMT as per K.E specification as required at site.	Mtr	9	3125	28,125.00
79	PROVIDING AND FIXING OF BUSBAR ARRANGEMENT; PMT WITH PG CLAMP as per K.E specification as required at site.	Mtr	40	8300	332,000.00
80	PROVIDING AND FIXING OF BREAKER; LT 1600A WITH METAL PLATE as per K.E specification as required at site.	Mtr	1	598260	598,260.00
81	PROVIDING AND FIXING OF CLEAT; WOODEN (24" Long) FOR POWER CABLE for Transformer as per K.E specification as required at site.	Nos	12	8750	105,000.00
82	PROVIDING AND FIXING OF LINK; FUSE HRC 400A as per K.E specification as required at site.	Nos	20	3820	76,400.00
83	Providing and fixing Angle iron frame 2"x2"x4mm2 thick of suitable sizes for hanging power cable the cable as per K.E specification as required at site.	Nos	12	8860	106,320.00
84	Providing and fixing Angle iron frame with suitable size of cable clamps for 11KV and L.T cable as per K.E specification as required at site.	Nos	6	6865	41,190.00
85	Providing & fixing steel gate THEFT DOOR ALONG WITH THE SPECIAL LOCK SIZE 8' X 9' of flat iron sections of approved design with G.I sheet covering l/c hold fast, with or without rollers and track arrangement l/c providing wicket shutter of required size with all accessories and locking arrangement as per K electric specification direction of the Engineer-in-Charge.	each	2	160000	320,000.00
86	Providing & fixing Precast R.C.C slab 2" thick cover cable trances as per K electric specification direction of the Engineer-in-Charge.	sft	115	275	31,625.00



### Electrification Work for Sector, 24-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
87	Providing and fixing of M.S Lover of flat iron sections of approved design with G.I sheet covering l/c hold fast, with or without rollers and track arrangement l/c providing wicket shutter of required size with all accessories as per K electric specification direction of the Engineer-in-Charge.	Kgs	50	550	27,500.00
88	Wiring for light fan or call bell point with 1.5 sq. single core,PVC insulated wire copper Conductor wire in 3/4" Dia PVC conduit recessed in the wall or column, roof etc.including 1sq.mm single core PVC insulated wire as ECC as required	Pts.	10	3800	38,000.00
89	Wring for light circuit from DB to light control switch board & board to board with 2x2.5 esq. single core PVC insulated wire 300/500 volts grade single core stranded copper conductor wire in given 3/4" or 1" PVC conduit recessed in wall, column,roof etc.,including 1.5 mm single core PVC insulated including 1.5 mm single core PVC insulated wire as ECC as required.	Pts.	3	6500	19,500.00
90	Providing & fixing ceiling rose on S.W round block/plastic covered as required.	Nos	5	150	750.00
91	Providing & fixing flourescent tube light fitting TMS-140 watts complete, philips manufactured.	Nos.	5	4565	22,825.00
92	PROVIDING AND FIXING OF BREAKER; LT 800A WITH METAL PLATE as per K.E specification as required at site.	Mtr	1	398290	398,290.00
93	PROVIDING AND FIXING OF ELECTRODE; WELDING M.S 12 SWG as per K.E specification as required at site.	KGs	2	1125	2,250.00
94	PROVIDING AND FIXING OF BAR; COPPER EARTHING DISTRIBUTION as per K.E specification as required at site.	Nos	1	9800	9,800.00
95	PROVIDING AND FIXING OF LUG; CU 70MM2 as per K.E specification as required at site.	Nos	52	500	26,000.00
96	PROVIDING AND FIXING OF LUGS COPPER 120 MM2 as per K.E specification as required at site.	Nos	80	1675	134,000.00
97	PROVIDING AND INSTALLATION OF WIRE; P V C S/CORE 240 MM2 as per K.E specification as required at site.	Mtr	225	11130	2,504,250.00
98	Providing & fixing Timer Switch for controle the exhuest fan including back box 18SWG ,controle cables managnitc contracter ,Relay etc as per the K electric specifcation as required at site	each	1	23215	23,215.00
99	PROVIDING AND FIXING TERMINATION O/DOOR FOR 300MM2 as per K.E specification as required at site.	Nos	13	24995	324,935.00
100	PROVIDING AND FIXING TERMINATION INDOOR 300MM2 as per K.E specification as required at site.	Nos	2	21870	43,740.00



### Electrification Work for Sector, 24-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
101	PROVIDING AND FIXING BOX;JOINT, HT ST 300MM2 as per K.E specification as required at site.	Nos	7	39990	279,930.00
102	PROVIDING AND FIXING OF INDICATOR/LOCATOR; EARTH FAULT 11KV as per K.E specification as required at site.	Nos	1	31265	31,265.00
103	PROVIDING AND FIXING Meter LT AMR CTO with GPRS modem as per K.E specification as required at site.	Nos	3	132050	396,150.00
104	PROVIDING AND FIXING CABLE; CU L.T 4-CORE (ARM) 35MM2 as per K.E specification as required at site.	meters	50	7540	377,000.00
105	PROVIDING AND FIXING CABLE; CU L.T 4-CORE (ARM) 70MM2 as per K.E specification as required at site.	meters	70	14250	997,500.00
106	PROVIDING AND FIXING CABLE COPPER TWIN CORE PVC 10 MM2 U/A as per K.E specification as required at site.	Mtr	303	1400	424,200.00
107	PROVIDING AND FIXING CABLE COPPER L.T. 4 CORE 16 MM2 (UN/ARM) as per K.E specification as required at site.	Mtr	800	3805	3,044,000.00
108	PROVIDING AND FIXING PIPE ; G.I 1-1/2" DIA as per K.E specification as required at site.	Mtr	15	1400	21,000.00
109	PROVIDING AND FIXING SWEET SAND as per K.E specification as required at site.	cft	16,125	75	1,209,375.00
110	Providing NOC, TEST FORM AND EIK FEE CHARGES ,Permission and Fitness Certificate for Transformers as per K.E specification as required for energizing the Scheme.	P.KW	1,697	85	144,245.00
111	Machine boring for Earth pit ,Bore 21 feet deep ground level Hard and soft soil as per K.E specification as required at site.	nos	15	28000	420,000.00
112	Excavation for foundation trenches & drains in all kinds of soil i/c gravelly & murum soil, wet silt,clay of mud conglomeration of gravel & boulders, soft, sandy or destingerated sandy & hard rock and back filling the excavated material in foundation, plinth or under floor i/c breaking clods, watering, consolidation by ramming in layers not exceeding 6" in depth to full compaction, dressing & disposal of surplus excavated stuff as directed, lead upto one chain & lift upto 5 feet.	Cft.	100	12	1,200.00
113	Providing & laying 1:4:8 cement concrete using graded stone ballast 2" and down gauge in foundation trenches , U.G tank and Septic Tank compacting and curing etc. complete.	Cft	75	225	16,875.00



### Electrification Work for Sector, 24-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
114	Providing & laying 1:3:6 cement concrete machine made solid block masonry morethan 6" thick using graded screened bajri 3/4" and down gauge set in cement mortar 1:6 in foundation , basement and plinth l/c scaffolding racking of joints and curing etc. complete foundation and basement masonry upto 5 feet depth and plinth 4 feet height from ground level.	Cft.	600	375	225,000.00
115	Providing & laying 1:3:6 cement concrete machine made solid block masonry morethan 6" thick using graded screened bajri 3/4" and down gauge set in cement mortar 1:6 in foundation , basement & plinth l/c scaffolding racking of joints and curing etc.in complete in ground floor superstructure.	Sft	50	385	19,250.00
116	providing & laying 2" thick damp proof course with cement concrete 1:2:4 cast in situ using graded screened bajri of 3/4" and down gauge mixed with any approved water proofing agent l/c compacting, curing form work & its removal etc. complete, but excluding the cost of water proofing agent.	Sft.	50	125	6,250.00
117	Supplying, stacking, spreading & filling stones of required size to required slop from approved quarries in plinth or under floor l/c filling voids with spawl & clips & consolidation by ramming layers not exceeding 9" in depth to full compaction lift upto 5feet.	Cft.	152	135	20,520.00
118	Providing & laying 1:4:8 cement concrete bed under floors using graded stone ballast 2" and down gauge with leveling and ramming watreing and curing etc. complete.	Cft.	152	230	34,960.00
119	providing & laying floors 2" thick 1:2:4 cement concrete using graded screened bajri 3/4" and down gauge in ground floor laid in panels l/c form work consolidation finishing and curing etc.complete.	Sft.	520	165	85,800.00
120	Providing & laying reinforced cement concrete using 50% crush graded boulded 3/4" and down gauge and 50% screened graded bajri 3/4" and down gauge having a minimum work cube crusing strength of 3000 lbs per sq.inch at 28days with a mix not leaner than 1:2:4 in column footing of required shape l/c form work and its removal, compacting and curing etc.complete but excluding the cost of reinforcement in foundation and plinth.	Cft.	25	525	13,125.00





### Electrification Work for Sector, 24-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
121	Providing & laying reinforced cement concrete using 50% crush graded boulded 3/4" and down gauge and 50% screened graded bajri 3/4" and down gauge having a minimum work cube crusing strength of 3000 lbs per sq.inch at 28days with a mix not leaner than 1:2:4 in column I/c form work and its removal, compacting and curing etc.complete but excluding the cost of reinforcement in foundation and plinth.	Cft.	5	530	2,650.00
122	Providing & laying reinforced cement concrete using 50% crush graded boulded 3/4" and down gauge and 50% screened graded bajri 3/4" and down gauge having a minimum work cube crusing strength of 3000 lbs per sq.inch at 28days with a mix not leaner than 1:2:4 in column I/c form work and its removal, compacting and curing etc.complete but excluding the cost of reinforcement in superstructure columns.	Cft.	8	530	4,240.00
123	Providing & laying reinforced cement concrete using 50% crush graded boulded 3/4" and down gauge and 50% screened graded bajri 3/4" and down gauge having a minimum work cube crusing strength of 3000 lbs per sq.inch at 28days with a mix not leaner than 1:2:4 in straight beams, lintels cantilevered beams of required shape or section I/c form work and its removal, compacting and curing etc.complete but excluding the cost of reinforcement.	Cft.	25	530	13,250.00
124	Providing & laying reinforced cement concrete using 50% crush graded boulded 3/4" and down gauge and 50% screened graded bajri 3/4" and down gauge having a minimum work cube crusing strength of 3000 lbs per sq.inch at 28days with a mix not leaner than 1:2:4 in ordinary slab upto 5" thick i/c form work and its removal, compacting and curing etc.complete but excluding the cost of reinforcement, in basement plinth and ground floor. a) 5" thick slab.	Cft.	25	530	13,250.00
125	Providing & laying reinforced cement concrete using 50% crush graded boulded 3/4" and down gauge and 50% screened graded bajri 3/4" and down gauge having a minimum work cube crusing strength of 3000 lbs per sq.inch at 28days with a mix not leaner than 1:2:4 in ordinary cantilever slab upto 5" thick i/c form work and its removal, compacting and curing etc.complete but excluding the cost of reinforcement, in basement plinth and ground floor. a) 5" thick slab.	Cft.	15	530	7,950.00



### Electrification Work for Sector, 24-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
126	Providing & laying deformed steel reinforcement bars with guaranteed minimum yield stress of 60,000 psi with and I/c the cost of straightening cutting, bending binding wastage, complete in all kinds of RCC work.	kg	100	310	31,000.00
127	1/4" thick cement plaster 1:4 on soffits of ceiling cantilever slabs, sides and soffits of beams etc, in basement , mezzanine , and ground floor I/c making edges, corners, and curing etc. Complete.	Sft.	60	60	3,600.00
128	1/2" thick cement (Internal) plaster 1:6 on walls and columns etc, in basement , mezzanine , and ground floor I/c making edges, corners, and curing etc. Complete.	Sft.	1,200	65	78,000.00
129	1/2" thick cement (External) plaster 1:6 on wall and columns etc, in basement , mezzanine , and ground floor I/c making edges, corner, and curing etc. Complete.	Sft.	100	70	7,000.00
130	Providing & fixing steel gate THEFT DOOR ALONG WITH THE SPECIAL LOCK SIZE 8' X 9' of flat iron sections of approved design with G.I sheet covering I/c hold fast, with or without rollers and track arrangement I/c providing wicket shutter of required size with all accessories and looking arrangement as per K electric specification direction of the Engineer-in-Charge.	each	1	160000	160,000.00
131	Providing & fixing Precast R.C.C slab 2" thick cover cable trances as per K electric specification direction of the Engineer-in-Charge.	sft	110	275	30,250.00
132	White washing two coats at any height in any floor.as per K electric specification direction of the Engineer-in-Charge.	sft	400	25	10,000.00
133	Oil bound distempering with distemper of approval make and shade in two coats over and I/c the cost of one printing coat of lime wash I/c sand prepering, dusting, and filling the holes , cracks and inequalities, if any , at any height in any floor.as per K electric specification direction of the Engineer-in-Charge.	Sft.	1,000	30	30,000.00
134	Snowceming of approved make and shade in two coats well scrubbed in to the surface I/c finishing smooth at any height in any floor as per K electric specification direction of the Engineer-in-Charge.	Sft.	325	85	27,625.00
135	Painting iron work with syntheic enamel paint of approved make and shade 2 coats over and I/c the coat of one primary coat complete at any height in any floor.	Sft.	200	65	13,000.00



### Electrification Work for Sector, 24-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
136	Providing and fixing of Angle iron frame size 1-1/2"x1-1/2"x 4mm <sup>2</sup> flat iron sections of approved design with B.R.C. square Juli 2"x2" x1/4" l/c hold fast, with or without rollers and track arrangement required size with all accessories as per K electric specification direction of the Engineer-in-Charge.	sft	600	750	450,000.00
137	Providing and fixing of M.S Lover of flat iron sections of approved design with G.I sheet covering l/c hold fast, with or without rollers and track arrangement l/c providing wicket shutter of required size with all accessories as per K electric specification direction of the Engineer-in-Charge.	Sft	38	500	19,000.00
138	Providing & fixing M.S chequer plate of required size 4mm thick with flat iron strip all over the frame to cover cable trenches as per K electric specification and direction of the Engineer-in-Charge.	sft	225	3500	787,500.00
139	<b>Site Relocation Work.</b>				
140	Dismantling of 11 KV H.T Tubular Pole and Re-Installation of existing 11 KV H.T Pole after making suitable Pit and C.C.foundation Concrete with Steel Shuttering Complete as required .	Nos	7	25000	175,000.00
141	Dismantling of L.T Pole and Re-Installation of existing L.T Pole after making suitable Pit and C.C.foundation Concrete with Steel Shuttering Complete as required .	Nos	7	23000	161,000.00
142	Dismantling of Stay Rod and Re-Installation of existing Stay Rod after making suitable Pit and C.C.foundation Concrete with Steel Shuttering Complete as required .	Nos	7	10650	74,550.00
143	Dismantling of Strut Unit and Re-Installation of existing Sturt Unit after making suitable Pit and C.C.foundation Concrete with Steel Shuttering Complete as required .	Nos	7	14800	103,600.00
144	Dismantling the existing Span of 11 KV H.T Bundle Cable and Re-Pulling and Re-Installation the same including Hardware Material on the existing H.T Pole as required at site.	Nos	7	12000	84,000.00
145	Dismantling the existing Span of L.T span for Bundle Cable and Re-Pulling and Re-Installation the same including Hardware Material on the existing L.T Pole as required at site.	Nos	20	10800	216,000.00
<b>Total Amount Rs.</b>					<b>64,641,972.00</b>



### Electrification Work for Sector-25-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
1	PROVIDING AND FIXING OF CONDUCTOR ACSR RABBIT 2 SWG as per K.E specification as required at site.	meters	2,000	385	770,000.00
2	PROVIDING AND FIXING OF CONDUCTOR; ACSR DOG 3/0SWG as per K.E specification as required at site.	meters	5,200	780	4,056,000.00
3	PROVIDING AND FIXING OF STRIP; SHACKLE G.I 19/13 as per K.E specification as required at site.	Nos	46	375	17,250.00
4	PROVIDING AND FIXING OF ALMUNIUW WIRE; BINDING, 16SWG as per K.E specification as required at site.	meters	84	160	13,440.00
5	PROVIDING AND FIXING OF STAY UNIT; HT COMPLETE as per K.E specification as required at site.	Nos	2	18125	36,250.00
6	PROVIDING AND FIXING OF STRIP; SHACKLE G.I 19/18 as per K.E specification as required at site.	Nos	87	375	32,625.00
7	PROVIDING AND FIXING OF STRUT UNIT; COMPLETE FOR HT POLE as per K.E specification as required at site.	Nos	6	60000	360,000.00
8	PROVIDING AND FIXING OF STRUT UNIT; COMPLETE FOR LT POLE as per K.E specification as required at site.	Nos	31	55000	1,705,000.00
9	PROVIDING AND FIXING OF CLAMP; G. I D-TYPE 3-1/2" as per K.E specification as required at site.	Nos	50	375	18,750.00
10	PROVIDING AND FIXING OF CLAMP; G. I D-TYPE 5-1/2" as per K.E specification as required at site.	Nos	82	1250	102,500.00
11	PROVIDING AND FIXING OF INSULATORS PIN TYPE 11 KV as per K.E specification as required at site.	Nos	103	6250	643,750.00
12	PROVIDING AND FIXING OF PIN; FOR PIN INSULATOR as per K.E specification as required at site.	Nos	12	3125	37,500.00
13	PROVIDING AND Applying OF OIL; TARPENTINE OIL as per K.E specification as required at site.	LITRE	59	450	26,550.00
14	PROVIDING AND Applying OF PAINT; SYNTHETIC ENAMAL ORANGE as per K.E specification as required at site.	LITRE	56	1250	70,000.00
15	PROVIDING AND Applying PAINT; ENAMAL SPL GREY as per K.E specification as required at site.	LITRE	397	1250	496,250.00
16	PROVIDING AND Applying OF SHINGLE (BAJRI) as per K.E specification as required at site.	Cft	370	85	31,450.00
17	PROVIDING AND Applying OF CEMENT; BAG 50 KG as per K.E specification as required at site.	KGs	4,971	30	149,130.00
18	PROVIDING AND FIXING OF CLAMP; SNAIL DISCONNECTION FOR 11 KV as per K.E specification as required at site.	Nos	70	1875	131,250.00



### Electrification Work for Sector-25-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
19	PROVIDING AND FIXING OF BOLT & NUT; BRASS HEX 2X1/2" as per K.E specification as required at site.	Nos	104	563	58,552.00
20	PROVIDING AND FIXING OF LINE TAP; 70MM2 3/OSWG as per K.E specification as required at site.	Nos	75	1625	121,875.00
21	PROVIDING AND FIXING OF PLATE; COPPER 4"X4"X3/8" cost includes , all mixing material as per K.E specification as required at site.	Nos	14	9340	130,760.00
22	PROVIDING AND FIXING OF BUSBAR ARRANGEMENT; PMT WITH PG CLAMP as per K.E specification as required at site.	Mtr	40	8300	332,000.00
23	PROVIDING AND FIXING OF CLAMP; C-TYPE FOR 70MM CU CONDUCTOR as per K.E specification as required at site.	Nos	24	700	16,800.00
24	RE-PAINTING work for POLE; HT ST, 36'X5-1/2" as per K.E specification as required at site.	Nos	48	3800	182,400.00
25	PROVIDING AND FIXING OF BOLT & NUT; G I 3"X1/2" as per K.E specification as required at site.	Nos	149	250	37,250.00
26	PROVIDING AND FIXING OF BOLT & NUT; G.I W/O WASHER 5" x 1/2" as per K.E specification as required at site.	Nos	516	375	193,500.00
27	PROVIDING AND FIXING OF INSULATOR DISC POR as per K.E specification as required at site.	Nos	62	7500	465,000.00
28	PROVIDING AND FIXING OF BOLT & NUT; M.S 7"X1/2" as per K.E specification as required at site.	Nos	23	565	12,995.00
29	PROVIDING AND FIXING OF BOLT & NUT; M.S 7"X3/4" as per K.E specification as required at site.	Nos	215	565	121,475.00
30	PROVIDING AND FIXING OF BOLT & NUT; M.S 1-1/2" X 1/2" as per K.E specification as required at site.	Nos	13	250	3,250.00
31	PROVIDING AND FIXING OF BOLT & NUT WITH WASHER G.I. 2-1/2"x1/2" as per K.E specification as required at site.	Nos	302	300	90,600.00
32	PROVIDING AND FIXING OF 11KV Knife Switch as per K.E specification as required at site.	Nos	5	161750	808,750.00
33	PROVIDING AND FIXING OF BRACKET; POLE G.I C TYPE 4-1/2" as per K.E specification as required at site.	Nos	35	1000	35,000.00
34	PROVIDING RE-PAINTING WORK POLE; LT ST 31'X4-1/2" as per K.E specification as required at site.	Nos	35	3650	127,750.00
35	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 5-1/2" as per K.E specification as required at site.	Nos	39	1250	48,750.00
36	PROVIDING AND FIXING OF BRACKET; POLE G.I C TYPE 6-1/2" as per K.E specification as required at site.	Nos	25	1250	31,250.00
37	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 6-1/2" as per K.E specification as required at site.	Nos	25	1250	31,250.00



### Electrification Work for Sector-25-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
38	PROVIDING AND FIXING OF PIPE ; G.I 1-1/2" DIA as per K.E specification as required at site.	Mtr	18	1315	23,670.00
39	PROVIDING AND FIXING OF BOX; ANTI-THEFT A TYPE as per K.E specification as required at site.	Nos	3	40350	121,050.00
40	PROVIDING AND FIXING OF BRACKET; POLE ANTI PURCHENT S/P 5-1/2" as per K.E specification as required at site.	Nos	12	18125	217,500.00
41	PROVIDING AND FIXING OF BRACKET; POLE ANTI PURCHENT S/P 6-1/2" as per K.E specification as required at site.	Nos	12	18125	217,500.00
42	PROVIDING AND FIXING OF BRACKET; EARTH 8'X5-1/2" DIA. as per K.E specification as required at site.	Nos	7	19375	135,625.00
43	PROVIDING AND FIXING OF BRACKET; POLE CH.I 14" x 5-1/2" as per K.E specification as required at site.	Nos	1	5625	5,625.00
44	PROVIDING AND FIXING OF BRACKET; PHASE HT 5' X 5-1/2" as per K.E specification as required at site.	Nos	7	15000	105,000.00
45	PROVIDING AND FIXING OF BREAKER; LT 800A WITH METAL PLATE as per K.E specification as required at site.	Mtr	1	398290	398,290.00
46	PROVIDING AND FIXING OF CLAMP Dead End ASSEMBLY;(BRACKET&CLAMP) as per K.E specification as required at site.	Nos	4	4850	19,400.00
47	PROVIDING AND FIXING OF PIPE; PVC 1" as per K.E specification as required at site.	Mtr	46	210	9,660.00
48	PROVIDING AND FIXING OF BOLT; G.I ROWAL 10MM DIA as per K.E specification as required at site.	Nos	11	100	1,100.00
49	PROVIDING AND FIXING OF BOLT & NUT G.I. SIZE 2" X 1/2" as per K.E specification as required at site.	Nos	295	375	110,625.00
50	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 4-1/2" as per K.E specification as required at site.	Nos	25	1250	31,250.00
51	PROVIDING AND FIXING OF INSULATOR; SHACKLE 19/13 as per K.E specification as required at site.	Nos	5	1125	5,625.00
52	PROVIDING AND FIXING OF BOLT & NUT; G.I W/O WASHER 5" x 1/2" as per K.E specification as required at site.	Nos	143	375	53,625.00
53	PROVIDING AND FIXING OF INSULATOR; SHACKLE LT 19/18 as per K.E specification as required at site.	Nos	26	1125	29,250.00
54	PROVIDING AND FIXING PIPE ; G.I 1-1/2" DIA as per K.E specification as required at site.	Mtr	11	1400	15,400.00
55	PROVIDING AND FIXING SWEET SAND as per K.E specification as required at site.	cft	11,288	75	846,600.00
56	PROVIDING AND INSTALLATION OF CABLE; AL XLPE ABC 3x95+70+1x25MM2 as per K.E specification as required at site.	Mtr	2,800	3085	8,638,000.00



### Electrification Work for Sector-25-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
57	PROVIDING AND FIXING OF LUGS; BI-METALLIC (AL-CU) 25 MM2 as per K.E specification as required at site.	Nos	30	725	21,750.00
58	PROVIDING AND FIXING OF LUG; BIMETALLIC 95MM2 as per K.E specification as required at site.	Nos	72	1030	74,160.00
59	PROVIDING AND FIXING OF CAP; END FOR 70MM2 CABLE as per K.E specification as required at site.	Nos	175	75	13,125.00
60	PROVIDING AND FIXING OF TIE; CABLE 10" (5 Nos. Ties of EA) as per K.E specification as required at site.	Nos	2,331	70	163,170.00
61	PROVIDING AND FIXING OF CAP; END FOR 95MM2 CABLE as per K.E specification as required at site.	Nos	158	85	13,430.00
62	Providing and fixing IPC for Bundle cable connection as per K.E specification as required at site.	Nos	123	750	92,250.00
63	PROVIDING AND FIXING OF BREAKER; LT 400A WITH METAL PLATE as per K.E specification as required at site.	Nos	1	89000	89,000.00
64	PROVIDING AND FIXING OF BOX; BREAKER LT TYPE-2 FOR 300A TO 400A as per K.E specification as required at site.	Nos	3	21875	65,625.00
65	PROVIDING AND FIXING OF WIRE; CU, PVC INSULATED, S/CORE, 120 MM2 as per K.E specification as required at site.	Mtr	40	5555	222,200.00
66	PROVIDING AND FIXING OF D. O. CUTOOUT 100AMP TYPE: D as per K.E specification as required at site.	Nos	9	28125	253,125.00
67	PROVIDING AND FIXING OF LINK; FUSE D.O CUTOOUT 15A 11KV as per K.E specification as required at site.	Nos	2	3750	7,500.00
68	PROVIDING AND FIXING OF LIGHTING ARRESTOR as per K.E specification as required at site.	Nos	9	18750	168,750.00
69	PROVIDING AND FIXING OF TRANSFORMER; DISTRIBUTION 3-PHASE 500KVA as per K.E specification as required at site.	Nos	1	4212750	4,212,750.00
70	PROVIDING AND FIXING OF PANEL; INDOOR LT 8 WAY as per K.E specification as required at site.	Nos	1	366290	366,290.00
71	PROVIDING AND FIXING PIX-KE Cassette (Prot.) 630A VCB; 11KV, 630 CT 50/5, W/PROT as per K-Electric Specification.	Nos	2	3274900	6,549,800.00
72	PROVIDING AND FIXING PIX-KE Cassette (Prot.) 630A VCB; 11KV, 630 AVCB CT Ratio 400/5, W/PROT as per K-Electric Specification.	Nos	2	3274900	6,549,800.00
73	PROVIDING AND INSTALLATION OF WIRE; CU, PVC INSULATED, S/CORE 70 MMSQ Black & Green as per K.E specification as required at site.	Mtr	155	3195	495,225.00
74	PROVIDING AND FIXING OF PMT Structure 500 KVA 9' Complete. as per K.E specification as required at site.	Nos	3	206000	618,000.00



### Electrification Work for Sector-25-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
75	PROVIDING AND FIXING OF CLEAT; WOODEN (12" Long) For PMt as per K.E specification as required at site.	Nos	3	8750	26,250.00
76	PROVIDING AND FIXING OF MEDIUM PIPE; G.I 6" DIA as per K.E specification as required at site.	Mtr	182	6700	1,219,400.00
77	PROVIDING AND FIXING OF CURRENT TRANSFORMER; 800/5A (For Check Meter) as per K.E specification as required at site.	Nos	17	6050	102,850.00
78	PROVIDING AND FIXING OF CURRENT TRANSFORMER; 400/5A (For Check Meter) as per K.E specification as required at site.	Nos	9	6150	55,350.00
79	PROVIDING AND FIXING OF TWIST TITE WIRER SEAL (PLASTIC) as per K.E specification as required at site.	Nos	8	300	2,400.00
80	PROVIDING AND FIXING OF TWIST TITE WIRER SEAL (PLASTIC) (For Check Meter) as per K.E specification as required at site.	Nos	13	300	3,900.00
81	PROVIDING AND FIXING OF BOX; LT DB (ICTP FUSE BOX) 400 A as per K.E specification as required at site.	Nos	6	31250	187,500.00
82	PROVIDING AND FIXING OF COVER; PROTECTION FOR HT BUSHING, PMT as per K.E specification as required at site.	Mtr	9	3125	28,125.00
83	PROVIDING AND FIXING OF CLEAT; WOODEN (24" Long) FOR POWER CABLE for Transformer as per K.E specification as required at site.	Nos	6	8750	52,500.00
84	PROVIDING AND FIXING OF LUG; CU 70MM2 as per K.E specification as required at site.	Nos	47	500	23,500.00
85	PROVIDING AND FIXING OF LINK; FUSE HRC 400A as per K.E specification as required at site.	Nos	18	3820	68,760.00
86	Providing and fixing Angle iron frame 2"x2"x4mm2 thick of suitable sizes for hanging power cable the cable as per K.E specification as required at site.	Nos	6	8860	53,160.00
87	Providing and fixing Angle iron frame with suitable size of cable clamps for 11KV and L.T cable as per K.E specification as required at site.	Nos	6	6865	41,190.00
88	SPECIFIC SERVICES FOR THURST BOAR CROSSING ROAD as per the standard of K-Electric Specification	Meter	290	9250	2,682,500.00
89	Providing & fixing steel gate THEFT DOOR ALONG WITH THE SPECIAL LOCK SIZE 8' X 9' of flat iron sections of approved design with G.I sheet covering l/c hold fast, with or without rollers and track arrangement l/c providing wicket shutter of required size with all accessories and locking arrangement as per K electric specification direction of the Engineer-in-Charge.	each	2	160000	320,000.00





### Electrification Work for Sector-25-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
90	Providing & fixing Precast R.C.C slab 2" thick cover cable trances as per K electric specification direction of the Engineer-in-Charge.	sft	115	275	31,625.00
91	Providing and fixing of M.S Lover of flat iron sections of approved design with G.I sheet covering l/c hold fast, with or without rollers and track arrangement l/c providing wicket shutter of required size with all accessories as per K electric specification direction of the Engineer-in-Charge.	Kgs	75	550	41,250.00
92	Wiring for light fan or call bell point with 1.5 sq. single core, PVC insulated wire copper Conductor wire in 3/4" Dia PVC conduit recessed in the wall or column, roof etc. including 1sq.mm single core PVC insulated wire as ECC as required	Pts.	10	3800	38,000.00
93	Wring for light circuit from DB to light control switch board & board to board with 2x2.5 sq. single core PVC insulated wire 300/500 volts grade single core stranded copper conductor wire in given 3/4" or 1" PVC conduit recessed in wall, column, roof etc., including 1.5 mm single core PVC insulated including 1.5 mm single core PVC insulated wire as ECC as required.	Pts.	3	6600	19,800.00
94	Providing & fixing ceiling rose on S.W round block/plastic covered as required.	Nos	5	150	750.00
95	Providing & fixing flourescent tube light fitting TMS-140 watts complete, philips manufactured.	Nos.	5	4565	22,825.00
96	PROVIDING AND FIXING OF INDICATOR/LOCATOR; EARTH FAULT 11KV as per K.E specification as required at site.	Nos	1	31265	31,265.00
97	PROVIDING AND FIXING OF ELECTRODE; WELDING M.S 12 SWG as per K.E specification as required at site.	KGs	2	1125	2,250.00
98	PROVIDING AND FIXING OF BAR; COPPER EARTHING DISTRIBUTION as per K.E specification as required at site.	Nos	1	9800	9,800.00
99	PROVIDING AND FIXING OF LUG; CU 70MM2 as per K.E specification as required at site.	Nos	36	500	18,000.00
100	PROVIDING AND FIXING OF LUGS COPPER 120 MM2 as per K.E specification as required at site.	Nos	56	1675	93,800.00
101	PROVIDING AND INSTALLATION OF WIRE; P V C S/CORE 240 MM2 as per K.E specification as required at site.	Mtr	125	11130	1,391,250.00
102	Providing & fixing Timer Switch for controle the exhuest fan including back box 18SWG ,controle cables managnitc contracter ,Relay etc as per the K electric specification as required at site	each	1	23215	23,215.00
103	PROVIDING AND FIXING TERMINATION INDOOR 300MM2 as per K.E specification as required at site.	Nos	2	21870	43,740.00



### Electrification Work for Sector-25-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
104	PROVIDING AND FIXING BOX;JOINT, HT ST 300MM2 as per K.E specification as required at site.	Nos	8	39990	319,920.00
105	PROVIDING AND FIXING TERMINATION O/DOOR FOR 300MM2 as per K.E specification as required at site.	Nos	8	24995	199,960.00
106	PROVIDING AND FIXING TILE; CABLE WARNING 12"X6"X1.5" as per K.E specification as required at site.	Nos	8,000	155	1,240,000.00
107	PROVIDING AND FIXING Meter LT AMR CTO with GPRS modem as per K.E specification as required at site.	Nos	1	132050	132,050.00
108	PROVIDING AND FIXING CABLE; CU L.T 4-CORE (ARM) 35MM2 as per K.E specification as required at site.	meters	50	7540	377,000.00
109	PROVIDING AND FIXING CABLE; CU L.T 4-CORE (ARM) 70MM2 as per K.E specification as required at site.	meters	70	14250	997,500.00
110	PROVIDING AND FIXING CABLE COPPER TWIN CORE PVC 10 MM2 U/A as per K.E specification as required at site.	Mtr	244	1400	341,600.00
111	PROVIDING AND FIXING CABLE COPPER L.T. 4 CORE 16 MM2 (UN/ARM) as per K.E specification as required at site.	Mtr	760	3805	2,891,800.00
112	Providing NOC, TEST FORM AND EIK FEE CHARGES ,Permission and Fitness Certificate for Transformers as per K.E specification as required for energizing the Scheme.	P.KW	765	85	65,025.00
113	Machine boring for Earth pit ,Bore 21 feet deep ground level Hard and soft soil as per K.E specification as required at site.	nos	15	28000	420,000.00
114	Excavation for foundation trenches & drains in all kinds of soil I/c gravelly & murum soil, wet silt, clay of mud conglomeration of gravel & boulders, soft, sandy or destingerated sandy & hard rock and back filling the excavated material in foundation, plinth or under floor i/c breaking clods, watering, consolidation by ramming in layers not exceeding 6" in depth to full compaction, dressing & disposal of surplus excavated stuff as directed, lead upto one chain & lift upto 5 feet.	Cft.	100	12	1,200.00
115	Providing & laying 1:4:8 cement concrete using graded stone ballast 2" and down gauge in foundation trenches , U.G tank and Septic Tank compacting and curing etc. complete.	Cft	75	225	16,875.00



### Electrification Work for Sector-25-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
116	Providing & laying 1:3:6 cement concrete machine made solid block masonry morethan 6" thick using graded screened bajri 3/4" and down gauge set in cement mortar 1:6 in foundation , basement and plinth I/c scaffolding racking of joints and curing etc. complete foundation and basement masonry upto 5 feet depth and plinth 4 feet height from ground level.	Cft.	600	375	225,000.00
117	Providing & laying 1:3:6 cement concrete machine made solid block masonry morethan 6" thick using graded screened bajri 3/4" and down gauge set in cement mortar 1:6 in foundation , basement & plinth I/c scaffolding racking of joints and curing etc.in complete in ground floor superstructure.	Sft	50	385	19,250.00
118	providing & laying 2" thick damp proof course with cement concrete 1:2:4 cast in situ using graded screened bajri of 3/4" and down gauge mixed with any approved water proofing agent I/c compacting, curing form work & its removal etc. complete, but excluding the cost of water proofing agent.	Sft.	50	125	6,250.00
119	Supplying, stacking, spreading & filling stones of required size to required slop from approved quarries in plinth or under floor I/c filling voids with spawl & clips & consolidation by ramming layers not exceeding 9" in depth to full compaction lift upto 5feet.	Cft.	152	135	20,520.00
120	Providing & laying 1:4:8 cement concrete bed under floors using graded stone ballast 2" and down gauge with leveling and ramming watreing and curing etc. complete.	Cft.	152	230	34,960.00
121	providing & laying floors 2" thick 1:2:4 cement concrete using graded screened bajri 3/4" and down gauge in ground floor laid in panels I/c form work consolidation finishing and curing etc.complete.	Sft.	520	165	85,800.00
122	Providing & laying reinforced cement concrete using 50% crush graded boulded 3/4" and down gauge and 50% screened graded bajri 3/4" and down gauge having a minimum work cube crusing strength of 3000 lbs per sq.inch at 28days with a mix not leaner than 1:2:4 in column footing of required shape I/c form work and its removal, compacting and curing etc.complete but excluding the cost of reinforcement in foundation and plinth.	Cft.	25	525	13,125.00



### Electrification Work for Sector-25-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
123	Providing & laying reinforced cement concrete using 50% crush graded boulded 3/4" and down gauge and 50% screened graded bajri 3/4" and down gauge having a minimum work cube crushing strength of 3000 lbs per sq.inch at 28days with a mix not leaner than 1:2:4 in column I/c form work and its removal, compacting and curing etc.complete but excluding the cost of reinforcement in foundation and plinth.	Cft.	5	530	2,650.00
124	Providing & laying reinforced cement concrete using 50% crush graded boulded 3/4" and down gauge and 50% screened graded bajri 3/4" and down gauge having a minimum work cube crushing strength of 3000 lbs per sq.inch at 28days with a mix not leaner than 1:2:4 in column I/c form work and its removal, compacting and curing etc.complete but excluding the cost of reinforcement in superstructure columns.	Cft.	8	530	4,240.00
125	Providing & laying reinforced cement concrete using 50% crush graded boulded 3/4" and down gauge and 50% screened graded bajri 3/4" and down gauge having a minimum work cube crushing strength of 3000 lbs per sq.inch at 28days with a mix not leaner than 1:2:4 in straight beams, lintels cantilevered beams of required shape or section I/c form work and its removal, compacting and curing etc.complete but excluding the cost of reinforcement.	Cft.	25	530	13,250.00
126	Providing & laying reinforced cement concrete using 50% crush graded boulded 3/4" and down gauge and 50% screened graded bajri 3/4" and down gauge having a minimum work cube crushing strength of 3000 lbs per sq.inch at 28days with a mix not leaner than 1:2:4 in ordinary slab upto 5" thick i/c form work and its removal, compacting and curing etc.complete but excluding the cost of reinforcement, in basement plinth and ground floor. a) 5" thick slab.	Cft.	25	530	13,250.00
127	Providing & laying reinforced cement concrete using 50% crush graded boulded 3/4" and down gauge and 50% screened graded bajri 3/4" and down gauge having a minimum work cube crushing strength of 3000 lbs per sq.inch at 28days with a mix not leaner than 1:2:4 in ordinary cantilever slab upto 5" thick i/c form work and its removal, compacting and curing etc.complete but excluding the cost of reinforcement, in basement plinth and ground floor. a) 5" thick slab.	Cft.	15	530	7,950.00



### Electrification Work for Sector-25-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
128	Providing & laying deformed steel reinforcement bars with guaranteed minimum yield stress of 60,000 psi with and l/c the cost of straightening cutting, bending binding wastage, complete in all kinds of RCC work.	kg	100	310	31,000.00
129	1/4" thick cement plaster 1:4 on soffits of ceiling cantilever slabs, sides and soffits of beams etc, in basement , mezzanine , and ground floor l/c making edges, corners, and curing etc. Complete.	Sft.	60	60	3,600.00
130	1/2" thick cement (Internal) plaster 1:6 on walls and columns etc, in basement , mezzanine , and ground floor l/c making edges, corners, and curing etc. Complete.	Sft.	1,200	65	78,000.00
131	1/2" thick cement (External) plaster 1:6 on wall and columns etc, in basement , mezzanine , and ground floor l/c making edges, corner, and curing etc. Complete.	Sft.	100	70	7,000.00
132	Providing & fixing steel gate THEFT DOOR ALONG WITH THE SPECIAL LOCK SIZE 8' X 9' of flat iron sections of approved design with G.I sheet covering l/c hold fast, with or without rollers and track arrangement l/c providing wicket shutter of required size with all accessories and looking arrangement as per K electric specification direction of the Engineer-in-Charge.	each	1	160000	160,000.00
133	Providing & fixing Precast R.C.C slab 2" thick cover cable trances as per K electric specification direction of the Engineer-in-Charge.	sft	110	275	30,250.00
134	White washing two coats at any height in any floor.as per K electric specification direction of the Engineer-in-Charge.	sft	400	25	10,000.00
135	Oil bound distempering with distemper of approval make and shade in two coats over and l/c the cost of one printing coat of lime wash l/c sand prepering, dusting, and filling the holes , cracks and inequalities, if any , at any height in any floor.as per K electric specification direction of the Engineer-in-Charge.	Sft.	1,000	30	30,000.00
136	Snowceming of approved make and shade in two coats well scrubbed in to the surface l/c finishing smooth at any height in any floor as per K electric specification direction of the Engineer-in-Charge.	Sft.	325	85	27,625.00
137	Painting iron work with syntheic enamel paint of approved make and shade 2 coats over and l/c the coat of one primary coat complete at any height in any floor.	Sft.	200	65	13,000.00



### Electrification Work for Sector-25-B

No	ITEM OF WORK	UNIT	Qty	Rate	Amount
138	Providing and fixing of Angle iron frame size 1-1/2"x1-1/2"x 4mm <sup>2</sup> flat iron sections of approved design with B.R.C. square Juli 2"x2" x1/4" l/c hold fast, with or without rollers and track arrangement required size with all accessories as per K electric specification direction of the Engineer-in-Charge.	sft	600	750	450,000.00
139	Providing and fixing of M.S Lover of flat iron sections of approved design with G.I sheet covering l/c hold fast, with or without rollers and track arrangement l/c providing wicket shutter of required size with all accessories as per K electric specification direction of the Engineer-in-Charge.	Sft	38	500	19,000.00
140	Providing & fixing M.S chequer plate of required size 4mm thick with flat iron strip all over the frame to cover cable trenches as per K electric specification and direction of the Engineer-in-Charge.	sft	225	3500	787,500.00
141	Miscellaneous Items and Electrical Work	Each	1	661250	661,250.00
142	<b>Site Relocation Work.</b>				
143	Dismantalling of 11 KV H.T Tubular Pole and Re-Installation of existing 11 KV H.T Pole after making suitable Pit and C.C.foundation Concrete with Steel Shuthering Complete as required .	Nos	13	25000	325,000.00
144	Dismantalling of L.T Pole and Re-Installation of existing L.T Pole after making suitable Pit and C.C.foundation Concrete with Steel Shuthering Complete as required .	Nos	13	23000	299,000.00
145	Dismantalling of Stay Rod and Re-Installation of existing Stay Rod after making suitable Pit and C.C.foundation Concrete with Steel Shuthering Complete as required .	Nos	13	10650	138,450.00
146	Dismantalling of Strut Unit and Re-Installation of existing Sturt Unit after making suitable Pit and C.C.foundation Concrete with Steel Shuthering Complete as required .	Nos	13	14800	192,400.00
147	Dismantalling the existing Span of 11 KV H.T Bundle Cable and Re-Pulling and Re-Installation the same including Hardware Material on the existing H.T Pole as required at site.	Nos	13	12000	156,000.00
148	Dismantalling the existing Span of L.Tspan for Bundle Cable and Re-Pulling and Re-Installation the same including Hardware Material on the existing L.T Pole as required at site.	Nos	30	10800	324,000.00
149	Way Leave Approval from the Concern Civic Agencies Such as KMC / DMC, KDA with all official payments and all office expense.	Job	1	14375000	14,375,000.00
	<b>Total Amount Rs.</b>				<b>74,709,852.00</b>

