MINISTRY OF HOUSING AND WORKS

FEDERAL GOVERNMENT EMPLOYEES HOUSING AUTHORITY, ISLAMABAD

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

PRICE BID

VOLUME-IV

(SINGLE STAGE TWO ENVELOPE)

December, 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 SUMMERY 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. Theses 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:

Unit	**Abbreviations**
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

Sr. No	BILL NO.	BILL DESCRIPTION
1.	Bill No. 1	External Lighting Works
2.	Bill No. 2	KE 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
1. External Lighting Works			
	a. Sector 4 C	Rs.	4,327,212.00
	b. Sector 18 C	Rs.	1,994,052.00
	c. Sector 19 C	Rs.	3,335,619.00
	d. Sector 24B-1	Rs.	3,102,303.00
	e. Sector 24B-2	Rs.	3,452,277.00
	f. Sector 25B-1	Rs.	3,568,935.00
	g. Sector 25B-2	Rs.	3,277,290.00
	Sub-Total	Rs.	**23,057,688.00**
	Premium (percentage) above or below	Rs.	
	Amount of Premium	Rs.	
	Total (1)	Rs.	

B: NON-SCHEDULE ITEMS

Sr. No	DESCRIPTION	UNIT	AMOUNT
1. External Lighting Works			
	a. Sector 4 C	Rs.	13,872,830.00
	b. Sector 18 C	Rs.	8,001,325.00
	c. Sector 19 C	Rs.	9,463,825.00
	d. Sector 24B-1	Rs.	10,625,760.00
	e. Sector 24B-2	Rs.	11,606,855.00
	f. Sector 25B-1	Rs.	12,029,520.00
	g. Sector 25B-2	Rs.	11,168,020.00
	Sub-total	Rs.	**76,768,135.00**
	Premium (percentage) above or below	%	
	Amount of Premium	Rs	
	Total (1)	Rs	
2. Electrification Works			
	a. Sector 4 C	Rs	105,175,939.00
	b. Sector 18 C	Rs.	14,553,457.00
	c. Sector 19 C	Rs.	15,175,838.00
	d. Sector 24B	Rs.	89,691,717.00
	e. Sector 25B	Rs.	91,821,969.00
	Sub- total	Rs.	**316,688,920.00**
	Premium (percentage) above or below	%	
	Amount of Premium	Rs.	
	Total (2)	Rs.	
	Total (1+2)	Rs.	
	GRAND TOTAL (A+B)	Rs.	

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.**

EXTERNAL LIGHTING SYSTEM

ENGINEER'S ESTIMATE

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
		SCHEDULE ITEMS				
1	**2**	**CHAPTER-2 (INTERNAL ELECTRIFICATION)**				
a)	**2-77**	**LIGHT FITTINGS & FIXTURES (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	73	Each.	58,329	4,258,017
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
		TOTAL AMOUNT SCHEDULE ITEMS (Rs.) ===>>>				**4,327,212**

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
		NON-SCHEDULE ITEMS				
A		**EXTERNAL LIGHTING**				
1		Supply, installation, testing and commissioning of following Octagonal Street Lighting Pole, hot dipped galvanized (Zinc coating not less then 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	73	No.	97,985	7,152,905
2	NSR	Relocation of existing Poles including dismantling and re-installation complete with any loading, shifting, unloading etc. including with repair, all required materials, equipments, machines, crane, repainting, foundation etc. related to complete the work. Complete in all respects as per job requirements and as directed by the Engineer / as per Clinet instructions. Notes: 1) A clearly marked plan to be prepared for dismantling / disconnection, relocation, modification and reinstallation work by the contractor for approval of consultant / client before commencement of work. 2) Contractor can perform any repair, from a simple diagnostic to a complete replacement and reinstallation of any defective component. 3) Contractor has been advised to make a detailed site visit for this job. 4) Contractor shall handover all dismantled items (if any) to Client Store with signed inventory.	10	No.	20,225	202,250
3	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.	73	No.	21,285	1,553,805
4	NSR	Supply, laying, installation, testing and commissioning of 3 Core 2.5 Sq.mm Flexible Cu.PVC/PVC, 300/500 volts grade copper cable from main connector to Street light fixtures as per drawing, specifications and sandards, including all required accessories, connectors etc. Complete in all respect.	185	Rm.	605	111,925
5		Supply, installation, testing and commissioning of following Pad mounted outdoor type Feeder Pillar (FP), Weatherproof IP-65 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the required 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 (Pad Mounted)	1	No.	730,785	730,785

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
6		Supply, installation, testing and commissioning of following Pole mounted outdoor type Lighting Control Panel (LCP), Weatherproof IP-65 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the required 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	LCP-4C (Pole Mounted)	1	No.	373,455	373,455
7	NSR	Supply and Construction of RCC foundation (PAD), including excavation and backfilling for respective Feeder Pillar. 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.	1	Job	34,300	34,300
8		Supply, laying, tagging, testing, commissioning and termination of following sizes of 600/1000 volts grade Aluminum conductor, PVC insulated, PVC sheathed, multi core / single core, unarmoured cables from KE Meter to Feeder Pillar and Feeder Pillar to DB-PR & DB-IT, laying in already provided under ground uPVC Pipe / 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, 35 Sqmm AL/PVC/PVC + 1C, 16 Sqmm AL/PVC as ECC (from KE Meter to Feeder Pillar)	115	Rm.	1,290	148,350
b)	NSR	4C, 16 Sqmm AL/PVC/PVC + 1C, 16 Sqmm AL/PVC as ECC (from Feeder Pillar to DB-PR & DB-IT)	75	Rm.	755	56,625
9		Supply, laying, tagging, testing, commissioning and termination of following sizes of Stranded Aluminum conductor (Arial Bundle XLPE insulated cable) from Feeder Pillar to LCP, 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	3C, 25 Sq.mm AL. ABC Cable + 1C, 16 Sq.mm AL. Neutral	20	Rm.	830	16,600



S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
10		Supply, laying, tagging, testing, commissioning and termination of following sizes of Stranded Aluminum conductor (Arial Bundle XLPE insulated cable) from LCP to street lighting pole and pole to pole, including stringing / sagging of conductor, installation accessories etc. as per drawings, K.E specifications and the entire satisfaction of the engineer and employer. Complete in all respects. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	3C, 10 Sq.mm AL. ABC Cable + 1C, 10 Sq.mm AL. Neutral	2380	Rm.	315	749,700
11		Supply, laying, tagging, testing, commissioning and termination of following sizes of 450/750 volts grade Aluminum conductor, PVC insulated, single core, unarmoured cable from Earth Pit to Street lighting pole and pole to pole, including stringing / sagging of conductor, installation accessories etc. as per drawings, K.E specifications and the entire satisfaction of the engineer and employer. Complete in all respects. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	1C, 10 Sqmm AL/PVC as ECC	2450	Rm.	80	196,000
12	NSR	Supply, installation, testing and commissioning of IPC Connectors for ABC cable, including all other required accessories. Complete in all respect.	220	No.	1,685	370,700
13	NSR	Supply, installation, testing and commissioning of GI Clamps and Insulators for ABC cable, including all other required accessories. Complete in all respect.	220	No.	3,690	811,800
14		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, backfilling, compaction, concrete 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)	145	Rm.	700	101,500
15		Supply, laying and fixing of following size of uPVC Class-D Pipes / uPVC Class-D Sleeves, buried in already excavated trench including all pipe accessories, 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 Pipe (Class-D)	210	Rm.	1,095	229,950
b)	NSR	50mm dia uPVC Sleeves (Class-D)	70	Rm.	1,095	76,650
16	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.	54,665	54,665

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
17	NSR	Supply, installation, testing & commissioning of Earth pit with Rod type earth electrode, 3/4" dia and 9 Ft. long copper Clad 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, Inspection pit 15" x 15" x 18" deep (min) with heavy duty C.I cover, complete as per detail drawing and instruction of consultant. providing as built drawings, test reports documents to Employer / Consultant representative. Complete in all respect.	8	No.	81,740	653,920
18		Supply, laying, tagging, testing, commissioning and termination of following sizes of 450/750 volts grade Aluminum conductor, PVC insulated, single core, unarmoured cables from Earth Pit to Feeder Pillar / LCP, laying in already provided under ground uPVC Pipe, 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	1C, 16 Sqmm AL/PVC as ECC	20	Rm.	115	2,300
B		**PUMP ROOM ELECTRIFICATION**				
		DISTRIBUTION BOARDS				
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.	133,515	133,515
		WIRING ACCESSORIES				
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.	3,745	3,745
b)	NSR	13A, International Switch Socket Outlet (Weatherproof type)	2	No.	3,835	7,670
c)	NSR	15A, Switch Socket Outlet (Weatherproof type)	1	No.	4,390	4,390
d)	NSR	20A, TPN Isolator (Weatherproof type) for Pump	1	No.	11,165	11,165
3		WIRING FOR LIGHTS & SOCKETS				
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.	1,695	1,695

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
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.	3,010	9,030
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.	3,510	3,510
ii	NSR	Socket outlet to Socket outlet	1	No.	3,805	3,805
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.	7,030	7,030
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.	4,390	4,390
C		**SHOP DRAWINGS**				
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	54,700	54,700
		TOTAL AMOUNT NON-SCHEDULE ITEMS (Rs.) =====>>>>				**13,872,830**



S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
		SCHEDULE ITEMS				
1	**2**	**CHAPTER-2 (INTERNAL ELECTRIFICATION)**				
a)	**2-77**	**LIGHT FITTINGS & FIXTURES (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	33	Each.	58,329	1,924,857
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
		TOTAL AMOUNT SCHEDULE ITEMS (Rs.) ===>>>				**1,994,052**

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
		NON-SCHEDULE ITEMS				
A		**EXTERNAL LIGHTING**				
1		Supply, installation, testing and commissioning of following Octagonal Street Lighting Pole, hot dipped galvanized (Zinc coating not less then 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	33	No.	97,985	3,233,505
2	NSR	Relocation of existing Poles including dismantling and re-installation complete with any loading, shifting, unloading etc. including with repair, all required materials, equipments, machines, crane, repainting, foundation etc. related to complete the work. Complete in all respects as per job requirements and as directed by the Engineer / as per Clinet instructions. Notes: 1) A clearly marked plan to be prepared for dismantling / disconnection, relocation, modification and reinstallation work by the contractor for approval of consultant / client before commencement of work. 2) Contractor can perform any repair, from a simple diagnostic to a complete replacement and reinstallation of any defective component. 3) Contractor has been advised to make a detailed site visit for this job. 4) Contractor shall handover all dismantled items (if any) to Client Store with signed inventory.	10	No.	20,225	202,250
3	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.	33	No.	21,285	702,405
4	NSR	Supply, laying, installation, testing and commissioning of 3 Core 2.5 Sq.mm Flexible Cu.PVC/PVC, 300/500 volts grade copper cable from main connector to Street light fixtures as per drawing, specifications and sandards, including all required accessories, connectors etc. Complete in all respect.	85	Rm.	605	51,425
5		Supply, installation, testing and commissioning of following Pad mounted outdoor type Feeder Pillar (FP), Weatherproof IP-65 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the required 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 (Pad Mounted)	1	No.	730,785	730,785

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
6		Supply, installation, testing and commissioning of following Pole mounted outdoor type Lighting Control Panel (LCP), Weatherproof IP-65 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the required 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	LCP-18C (Pole Mounted)	1	No.	352,170	352,170
7	NSR	Supply and Construction of RCC foundation (PAD), including excavation and backfilling for respective Feeder Pillar. 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.	1	Job	34,300	34,300
8		Supply, laying, tagging, testing, commissioning and termination of following sizes of 600/1000 volts grade Aluminum conductor, PVC insulated, PVC sheathed, multi core / single core, unarmoured cables from KE Meter to Feeder Pillar and Feeder Pillar to DB-PR & DB-IT, laying in already provided under ground uPVC Pipe / 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, 35 Sqmm AL/PVC/PVC + 1C, 16 Sqmm AL/PVC as ECC (from KE Meter to Feeder Pillar)	285	Rm.	1,290	367,650
b)	NSR	4C, 16 Sqmm AL/PVC/PVC + 1C, 16 Sqmm AL/PVC as ECC (from Feeder Pillar to DB-PR & DB-IT)	85	Rm.	755	64,175
9		Supply, laying, tagging, testing, commissioning and termination of following sizes of Stranded Aluminum conductor (Arial Bundle XLPE insulated cable) from Feeder Pillar to LCP, 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	3C, 25 Sq.mm AL. ABC Cable + 1C, 16 Sq.mm AL. Neutral	20	Rm.	830	16,600



S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
10		Supply, laying, tagging, testing, commissioning and termination of following sizes of Stranded Aluminum conductor (Arial Bundle XLPE insulated cable) from LCP to street lighting pole and pole to pole, including stringing / sagging of conductor, installation accessories etc. as per drawings, K.E specifications and the entire satisfaction of the engineer and employer. Complete in all respects. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	3C, 10 Sq.mm AL. ABC Cable + 1C, 10 Sq.mm AL. Neutral	875	Rm.	315	275,625
11		Supply, laying, tagging, testing, commissioning and termination of following sizes of 450/750 volts grade Aluminum conductor, PVC insulated, single core, unarmoured cable from Earth Pit to Street lighting pole and pole to pole, including stringing / sagging of conductor, installation accessories etc. as per drawings, K.E specifications and the entire satisfaction of the engineer and employer. Complete in all respects. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	1C, 10 Sqmm AL/PVC as ECC	910	Rm.	80	72,800
12	NSR	Supply, installation, testing and commissioning of IPC Connectors for ABC cable, including all other required accessories. Complete in all respect.	100	No.	1,685	168,500
13	NSR	Supply, installation, testing and commissioning of GI Clamps and Insulators for ABC cable, including all other required accessories. Complete in all respect.	100	No.	3,690	369,000
14		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, backfilling, compaction, concrete 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)	300	Rm.	700	210,000
15		Supply, laying and fixing of following size of uPVC Class-D Pipes / uPVC Class-D Sleeves, buried in already excavated trench including all pipe accessories, 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 Pipe (Class-D)	390	Rm.	1,095	427,050
b)	NSR	50mm dia uPVC Sleeves (Class-D)	20	Rm.	1,095	21,900
16	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.	54,665	54,665

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
17	NSR	Supply, installation, testing and commissioning of Earth pit with Rod type earth electrode, 3/4" dia and 9 Ft. long copper Clad 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, Inspection pit 15" x 15" x 18" deep (min) with heavy duty C.I cover, 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.	81,740	408,700
18		Supply, laying, tagging, testing, commissioning and termination of following sizes of 450/750 volts grade Aluminum conductor, PVC insulated, single core, unarmoured cables from Earth Pit to Feeder Pillar / LCP, laying in already provided under ground uPVC Pipe, 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	1C, 16 Sqmm AL/PVC as ECC	20	Rm.	115	2,300
B		**PUMP ROOM ELECTRIFICATION**				
		DISTRIBUTION BOARDS				
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.	129,260	129,260
		WIRING ACCESSORIES				
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.	3,745	3,745
b)	NSR	13A, International Switch Socket Outlet (Weatherproof type)	2	No.	3,835	7,670
c)	NSR	15A, Switch Socket Outlet (Weatherproof type)	1	No.	4,390	4,390
d)	NSR	20A, SPN Isolator (Weatherproof type) for Pump	1	No.	8,340	8,340
3		WIRING FOR LIGHTS & SOCKETS				
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.	1,695	1,695

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
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.	3,010	9,030
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.	3,510	3,510
ii	NSR	Socket outlet to Socket outlet	1	No.	3,805	3,805
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.	7,030	7,030
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.	2,345	2,345
C		**SHOP DRAWINGS**				
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	54,700	54,700
		TOTAL AMOUNT NON-SCHEDULE ITEMS (Rs.) =====>>>>				**8,001,325**



FEDERAL GOVERNMENT EMPLOYEES HOUSING AUTHORITY,
GULZAR-E-HIJRI, KDA SCHEME-33, KARACHI
SECTOR - 19C
ENGINEER'S ESTIMATE

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
		SCHEDULE ITEMS				
1	**2**	**CHAPTER-2 (INTERNAL ELECTRIFICATION)**				
a)	**2-77**	**LIGHT FITTINGS & FIXTURES (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	56	Each.	58,329	3,266,424
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
		TOTAL AMOUNT SCHEDULE ITEMS (Rs.) ===>>>				**3,335,619**

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
		NON-SCHEDULE ITEMS				
A		**EXTERNAL LIGHTING**				
1		Supply, installation, testing and commissioning of following Octagonal Street Lighting Pole, hot dipped galvanized (Zinc coating not less then 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	34	No.	97,985	3,331,490
b)	NSR	8 meter High Double Arm Pole	11	No.	103,340	1,136,740
2	NSR	Relocation of existing Poles including dismantling and re-installation complete with any loading, shifting, unloading etc. including with repair, all required materials, equipments, machines, crane, repainting, foundation etc. related to complete the work. Complete in all respects as per job requirements and as directed by the Engineer / as per Clinet instructions. Notes: 1) A clearly marked plan to be prepared for dismantling / disconnection, relocation, modification and reinstallation work by the contractor for approval of consultant / client before commencement of work. 2) Contractor can perform any repair, from a simple diagnostic to a complete replacement and reinstallation of any defective component. 3) Contractor has been advised to make a detailed site visit for this job. 4) Contractor shall handover all dismantled items (if any) to Client Store with signed inventory.	10	No.	20,225	202,250
3	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.	45	No.	21,285	957,825
4	NSR	Supply, laying, installation, testing and commissioning of 3 Core 2.5 Sq.mm Flexible Cu.PVC/PVC, 300/500 volts grade copper cable from main connector to Street light fixtures as per drawing, specifications and sandards, including all required accessories, connectors etc. Complete in all respect.	140	Rm.	605	84,700
5		Supply, installation, testing and commissioning of following Pad mounted outdoor type Feeder Pillar (FP), Weatherproof IP-65 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the required 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 (Pad Mounted)	1	No.	730,785	730,785

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
6		Supply, installation, testing and commissioning of following Pole mounted outdoor type Lighting Control Panel (LCP), Weatherproof IP-65 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the required 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	LCP-19C (Pole Mounted)	1	No.	373,455	373,455
7	NSR	Supply and Construction of RCC foundation (PAD), including excavation and backfilling for respective Feeder Pillar. 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.	1	Job	34,300	34,300
8		Supply, laying, tagging, testing, commissioning and termination of following sizes of 600/1000 volts grade Aluminum conductor, PVC insulated, PVC sheathed, multi core / single core, unarmoured cables from KE Meter to Feeder Pillar and Feeder Pillar to DB-PR & DB-IT, laying in already provided under ground uPVC Pipe / 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, 35 Sqmm AL/PVC/PVC + 1C, 16 Sqmm AL/PVC as ECC (from KE Meter to Feeder Pillar)	55	Rm.	1,290	70,950
b)	NSR	4C, 16 Sqmm AL/PVC/PVC + 1C, 16 Sqmm AL/PVC as ECC (from Feeder Pillar to DB-PR & DB-IT)	75	Rm.	755	56,625
9		Supply, laying, tagging, testing, commissioning and termination of following sizes of Stranded Aluminum conductor (Arial Bundle XLPE insulated cable) from Feeder Pillar to LCP, 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	3C, 25 Sq.mm AL. ABC Cable + 1C, 16 Sq.mm AL. Neutral	20	Rm.	830	16,600



S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
10		Supply, laying, tagging, testing, commissioning and termination of following sizes of Stranded Aluminum conductor (Arial Bundle XLPE insulated cable) from LCP to street lighting pole and pole to pole, including stringing / sagging of conductor, installation accessories etc. as per drawings, K.E specifications and the entire satisfaction of the engineer and employer. Complete in all respects. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	3C, 10 Sq.mm AL. ABC Cable + 1C, 10 Sq.mm AL. Neutral	1230	Rm.	315	387,450
11		Supply, laying, tagging, testing, commissioning and termination of following sizes of 450/750 volts grade Aluminum conductor, PVC insulated, single core, unarmoured cable from Earth Pit to Street lighting pole and pole to pole, including stringing / sagging of conductor, installation accessories etc. as per drawings, K.E specifications and the entire satisfaction of the engineer and employer. Complete in all respects. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	1C, 10 Sqmm AL/PVC as ECC	1300	Rm.	80	104,000
12	NSR	Supply, installation, testing and commissioning of IPC Connectors for ABC cable, including all other required accessories. Complete in all respect.	170	No.	1,685	286,450
13	NSR	Supply, installation, testing and commissioning of GI Clamps and Insulators for ABC cable, including all other required accessories. Complete in all respect.	135	No.	3,690	498,150
14		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, backfilling, compaction, concrete 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)	85	Rm.	700	59,500
15		Supply, laying and fixing of following size of uPVC Class-D Pipes / uPVC Class-D Sleeves, buried in already excavated trench including all pipe accessories, 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 Pipe (Class-D)	150	Rm.	1,095	164,250
b)	NSR	50mm dia uPVC Sleeves (Class-D)	20	Rm.	1,095	21,900
16	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.	54,665	54,665

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
17	NSR	Supply, installation, testing and commissioning of Earth pit with Rod type earth electrode, 3/4" dia and 9 Ft. long copper Clad 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, Inspection pit 15" x 15" x 18" deep (min) with heavy duty C.I cover, complete as per detail drawing and instruction of consultant. providing as built drawings, test reports documents to Employer / Consultant representative. Complete in all respect.	8	No.	81,740	653,920
18		Supply, laying, tagging, testing, commissioning and termination of following sizes of 450/750 volts grade Aluminum conductor, PVC insulated, single core, unarmoured cables from Earth Pit to Feeder Pillar / LCP, laying in already provided under ground uPVC Pipe, 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	1C, 16 Sqmm AL/PVC as ECC	20	Rm.	115	2,300
B		**PUMP ROOM ELECTRIFICATION**				
		DISTRIBUTION BOARDS				
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.	129,260	129,260
		WIRING ACCESSORIES				
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.	3,745	3,745
b)	NSR	13A, International Switch Socket Outlet (Weatherproof type)	2	No.	3,835	7,670
c)	NSR	15A, Switch Socket Outlet (Weatherproof type)	1	No.	4,390	4,390
d)	NSR	20A, SPN Isolator (Weatherproof type) for Pump	1	No.	8,340	8,340
3		WIRING FOR LIGHTS & SOCKETS				
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.	1,695	1,695

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
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.	3,010	9,030
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.	3,510	3,510
ii	NSR	Socket outlet to Socket outlet	1	No.	3,805	3,805
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.	7,030	7,030
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.	2,345	2,345
C		**SHOP DRAWINGS**				
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	54,700	54,700
		TOTAL AMOUNT NON-SCHEDULE ITEMS (Rs.) =====>>>>				**9,463,825**

FEDERAL GOVERNMENT EMPLOYEES HOUSING AUTHORITY,
GULZAR-E-HIJRI, KDA SCHEME-33, KARACHI
SECTOR - 24B-1
ENGINEER'S ESTIMATE

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
		SCHEDULE ITEMS				
1	**2**	**CHAPTER-2 (INTERNAL ELECTRIFICATION)**				
a)	**2-77**	**LIGHT FITTINGS & FIXTURES (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	52	Each.	58,329	3,033,108
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
		TOTAL AMOUNT SCHEDULE ITEMS (Rs.) ===>>>				**3,102,303**

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
		NON-SCHEDULE ITEMS				
A		**EXTERNAL LIGHTING**				
1		Supply, installation, testing and commissioning of following Octagonal Street Lighting Pole, hot dipped galvanized (Zinc coating not less then 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	52	No.	97,985	5,095,220
2	NSR	Relocation of existing Poles including dismantling and re-installation complete with any loading, shifting, unloading etc. including with repair, all required materials, equipments, machines, crane, repainting, foundation etc. related to complete the work. Complete in all respects as per job requirements and as directed by the Engineer / as per Clinet instructions. Notes: 1) A clearly marked plan to be prepared for dismantling / disconnection, relocation, modification and reinstallation work by the contractor for approval of consultant / client before commencement of work. 2) Contractor can perform any repair, from a simple diagnostic to a complete replacement and reinstallation of any defective component. 3) Contractor has been advised to make a detailed site visit for this job. 4) Contractor shall handover all dismantled items (if any) to Client Store with signed inventory.	10	No.	20,225	202,250
3	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.	52	No.	21,285	1,106,820
4	NSR	Supply, laying, installation, testing and commissioning of 3 Core 2.5 Sq.mm Flexible Cu.PVC/PVC, 300/500 volts grade copper cable from main connector to Street light fixtures as per drawing, specifications and sandards, including all required accessories, connectors etc. Complete in all respect.	130	Rm.	605	78,650
5		Supply, installation, testing and commissioning of following Pad mounted outdoor type Feeder Pillar (FP), Weatherproof IP-65 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the required 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 (Pad Mounted)	1	No.	730,785	730,785

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
6		Supply, installation, testing and commissioning of following Pole mounted outdoor type Lighting Control Panel (LCP), Weatherproof IP-65 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the required 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	LCP-24B-1 (Pole Mounted)	1	No.	360,685	360,685
7	NSR	Supply and Construction of RCC foundation (PAD), including excavation and backfilling for respective Feeder Pillar. 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.	1	Job	34,300	34,300
8		Supply, laying, tagging, testing, commissioning and termination of following sizes of 600/1000 volts grade Aluminum conductor, PVC insulated, PVC sheathed, multi core / single core, unarmoured cables from KE Meter to Feeder Pillar and Feeder Pillar to DB-PR & DB-IT, laying in already provided under ground uPVC Pipe / 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, 35 Sqmm AL/PVC/PVC + 1C, 16 Sqmm AL/PVC as ECC (from KE Meter to Feeder Pillar)	165	Rm.	1,290	212,850
b)	NSR	4C, 16 Sqmm AL/PVC/PVC + 1C, 16 Sqmm AL/PVC as ECC (from Feeder Pillar to DB-PR & DB-IT)	75	Rm.	755	56,625
9		Supply, laying, tagging, testing, commissioning and termination of following sizes of Stranded Aluminum conductor (Arial Bundle XLPE insulated cable) from Feeder Pillar to LCP, 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	3C, 25 Sq.mm AL. ABC Cable + 1C, 16 Sq.mm AL. Neutral	20	Rm.	830	16,600



S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
10		Supply, laying, tagging, testing, commissioning and termination of following sizes of Stranded Aluminum conductor (Arial Bundle XLPE insulated cable) from LCP to street lighting pole and pole to pole, including stringing / sagging of conductor, installation accessories etc. as per drawings, K.E specifications and the entire satisfaction of the engineer and employer. Complete in all respects. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	3C, 10 Sq.mm AL. ABC Cable + 1C, 10 Sq.mm AL. Neutral	1645	Rm.	315	518,175
11		Supply, laying, tagging, testing, commissioning and termination of following sizes of 450/750 volts grade Aluminum conductor, PVC insulated, single core, unarmoured cable from Earth Pit to Street lighting pole and pole to pole, including stringing / sagging of conductor, installation accessories etc. as per drawings, K.E specifications and the entire satisfaction of the engineer and employer. Complete in all respects. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	1C, 10 Sqmm AL/PVC as ECC	1690	Rm.	80	135,200
12	NSR	Supply, installation, testing and commissioning of IPC Connectors for ABC cable, including all other required accessories. Complete in all respect.	156	No.	1,685	262,860
13	NSR	Supply, installation, testing and commissioning of GI Clamps and Insulators for ABC cable, including all other required accessories. Complete in all respect.	156	No.	3,690	575,640
14		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, backfilling, compaction, concrete 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)	185	Rm.	700	129,500
15		Supply, laying and fixing of following size of uPVC Class-D Pipes / uPVC Class-D Sleeves, buried in already excavated trench including all pipe accessories, 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 Pipe (Class-D)	260	Rm.	1,095	284,700
b)	NSR	50mm dia uPVC Sleeves (Class-D)	30	Rm.	1,095	32,850
16	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.	54,665	54,665

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
17	NSR	Supply, installation, testing and commissioning of Earth pit with Rod type earth electrode, 3/4" dia and 9 Ft. long copper Clad 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, Inspection pit 15" x 15" x 18" deep (min) with heavy duty C.I cover, complete as per detail drawing and instruction of consultant. providing as built drawings, test reports documents to Employer / Consultant representative. Complete in all respect.	6	No.	81,740	490,440
18		Supply, laying, tagging, testing, commissioning and termination of following sizes of 450/750 volts grade Aluminum conductor, PVC insulated, single core, unarmoured cables from Earth Pit to Feeder Pillar / LCP, laying in already provided under ground uPVC Pipe, 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	1C, 16 Sqmm AL/PVC as ECC	20	Rm.	115	2,300
B		**PUMP ROOM ELECTRIFICATION**				
		DISTRIBUTION BOARDS				
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.	133,515	133,515
		WIRING ACCESSORIES				
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.	3,745	3,745
b)	NSR	13A, International Switch Socket Outlet (Weatherproof type)	2	No.	3,835	7,670
c)	NSR	15A, Switch Socket Outlet (Weatherproof type)	1	No.	4,390	4,390
d)	NSR	20A, TPN Isolator (Weatherproof type) for Pump	1	No.	11,165	11,165
3		WIRING FOR LIGHTS & SOCKETS				
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.	1,695	1,695

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
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.	3,010	9,030
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.	3,510	3,510
ii	NSR	Socket outlet to Socket outlet	1	No.	3,805	3,805
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.	7,030	7,030
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.	4,390	4,390
C		**SHOP DRAWINGS**				
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	54,700	54,700
		TOTAL AMOUNT NON-SCHEDULE ITEMS (Rs.) =====>>>>				**10,625,760**

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
		SCHEDULE ITEMS				
1	**2**	**CHAPTER-2 (INTERNAL ELECTRIFICATION)**				
a)	**2-77**	**LIGHT FITTINGS & FIXTURES (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	60	Each.	58,329	3,499,740
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
		TOTAL AMOUNT SCHEDULE ITEMS (Rs.) ===>>>				**3,568,935**

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
		NON-SCHEDULE ITEMS				
A		**EXTERNAL LIGHTING**				
1		Supply, installation, testing and commissioning of following Octagonal Street Lighting Pole, hot dipped galvanized (Zinc coating not less then 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	60	No.	97,985	5,879,100
2	NSR	Relocation of existing Poles including dismantling and re-installation complete with any loading, shifting, unloading etc. including with repair, all required materials, equipments, machines, crane, repainting, foundation etc. related to complete the work. Complete in all respects as per job requirements and as directed by the Engineer / as per Clinet instructions. Notes: 1) A clearly marked plan to be prepared for dismantling / disconnection, relocation, modification and reinstallation work by the contractor for approval of consultant / client before commencement of work. 2) Contractor can perform any repair, from a simple diagnostic to a complete replacement and reinstallation of any defective component. 3) Contractor has been advised to make a detailed site visit for this job. 4) Contractor shall handover all dismantled items (if any) to Client Store with signed inventory.	10	No.	20,225	202,250
3	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.	60	No.	21,285	1,277,100
4	NSR	Supply, laying, installation, testing and commissioning of 3 Core 2.5 Sq.mm Flexible Cu.PVC/PVC, 300/500 volts grade copper cable from main connector to Street light fixtures as per drawing, specifications and sandards, including all required accessories, connectors etc. Complete in all respect.	150	Rm.	605	90,750
5		Supply, installation, testing and commissioning of following Pad mounted outdoor type Feeder Pillar (FP), Weatherproof IP-65 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the required 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 (Pad Mounted)	1	No.	730,785	730,785

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
6		Supply, installation, testing and commissioning of following Pole mounted outdoor type Lighting Control Panel (LCP), Weatherproof IP-65 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the required 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	LCP-25B-1 (Pole Mounted)	1	No.	373,455	373,455
7	NSR	Supply and Construction of RCC foundation (PAD), including excavation and backfilling for respective Feeder Pillar. 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.	1	Job	34,300	34,300
8		Supply, laying, tagging, testing, commissioning and termination of following sizes of 600/1000 volts grade Aluminum conductor, PVC insulated, PVC sheathed, multi core / single core, unarmoured cables from KE Meter to Feeder Pillar and Feeder Pillar to DB-PR & DB-IT, laying in already provided under ground uPVC Pipe / 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, 35 Sqmm AL/PVC/PVC + 1C, 16 Sqmm AL/PVC as ECC (from KE Meter to Feeder Pillar)	165	Rm.	1,290	212,850
b)	NSR	4C, 16 Sqmm AL/PVC/PVC + 1C, 16 Sqmm AL/PVC as ECC (from Feeder Pillar to DB-PR & DB-IT)	75	Rm.	755	56,625
9		Supply, laying, tagging, testing, commissioning and termination of following sizes of Stranded Aluminum conductor (Arial Bundle XLPE insulated cable) from Feeder Pillar to LCP, 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	3C, 25 Sq.mm AL. ABC Cable + 1C, 16 Sq.mm AL. Neutral	20	Rm.	830	16,600



S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
10		Supply, laying, tagging, testing, commissioning and termination of following sizes of Stranded Aluminum conductor (Arial Bundle XLPE insulated cable) from LCP to street lighting pole and pole to pole, including stringing / sagging of conductor, installation accessories etc. as per drawings, K.E specifications and the entire satisfaction of the engineer and employer. Complete in all respects. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	3C, 10 Sq.mm AL. ABC Cable + 1C, 10 Sq.mm AL. Neutral	1860	Rm.	315	585,900
11		Supply, laying, tagging, testing, commissioning and termination of following sizes of 450/750 volts grade Aluminum conductor, PVC insulated, single core, unarmoured cable from Earth Pit to Street lighting pole and pole to pole, including stringing / sagging of conductor, installation accessories etc. as per drawings, K.E specifications and the entire satisfaction of the engineer and employer. Complete in all respects. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	1C, 10 Sqmm AL/PVC as ECC	1930	Rm.	80	154,400
12	NSR	Supply, installation, testing and commissioning of IPC Connectors for ABC cable, including all other required accessories. Complete in all respect.	180	No.	1,685	303,300
13	NSR	Supply, installation, testing and commissioning of GI Clamps and Insulators for ABC cable, including all other required accessories. Complete in all respect.	180	No.	3,690	664,200
14		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, backfilling, compaction, concrete 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)	195	Rm.	700	136,500
15		Supply, laying and fixing of following size of uPVC Class-D Pipes / uPVC Class-D Sleeves, buried in already excavated trench including all pipe accessories, 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 Pipe (Class-D)	260	Rm.	1,095	284,700
b)	NSR	50mm dia uPVC Sleeves (Class-D)	65	Rm.	1,095	71,175
16	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.	54,665	54,665

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
17	NSR	Supply, installation, testing and commissioning of Earth pit with Rod type earth electrode, 3/4" dia and 9 Ft. long copper Clad 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, Inspection pit 15" x 15" x 18" deep (min) with heavy duty C.I cover, complete as per detail drawing and instruction of consultant. providing as built drawings, test reports documents to Employer / Consultant representative. Complete in all respect.	8	No.	81,740	653,920
18		Supply, laying, tagging, testing, commissioning and termination of following sizes of 450/750 volts grade Aluminum conductor, PVC insulated, single core, unarmoured cables from Earth Pit to Feeder Pillar / LCP, laying in already provided under ground uPVC Pipe, 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	1C, 16 Sqmm AL/PVC as ECC	20	Rm.	115	2,300
B		**PUMP ROOM ELECTRIFICATION**				
		DISTRIBUTION BOARDS				
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.	133,515	133,515
		WIRING ACCESSORIES				
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.	3,745	3,745
b)	NSR	13A, International Switch Socket Outlet (Weatherproof type)	2	No.	3,835	7,670
c)	NSR	15A, Switch Socket Outlet (Weatherproof type)	1	No.	4,390	4,390
d)	NSR	20A, TPN Isolator (Weatherproof type) for Pump	1	No.	11,165	11,165
3		WIRING FOR LIGHTS & SOCKETS				
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.	1,695	1,695

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
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.	3,010	9,030
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.	3,510	3,510
ii	NSR	Socket outlet to Socket outlet	1	No.	3,805	3,805
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.	7,030	7,030
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.	4,390	4,390
C		**SHOP DRAWINGS**				
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	54,700	54,700
		TOTAL AMOUNT NON-SCHEDULE ITEMS (Rs.) =====>>>>				**12,029,520**

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
		SCHEDULE ITEMS				
1	**2**	**CHAPTER-2 (INTERNAL ELECTRIFICATION)**				
a)	**2-77**	**LIGHT FITTINGS & FIXTURES (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	58	Each.	58,329	3,383,082
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
		TOTAL AMOUNT SCHEDULE ITEMS (Rs.) ===>>>				**3,452,277**

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
		NON-SCHEDULE ITEMS				
A		**EXTERNAL LIGHTING**				
1		Supply, installation, testing and commissioning of following Octagonal Street Lighting Pole, hot dipped galvanized (Zinc coating not less then 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	58	No.	97,985	5,683,130
2	NSR	Relocation of existing Poles including dismantling and re-installation complete with any loading, shifting, unloading etc. including with repair, all required materials, equipments, machines, crane, repainting, foundation etc. related to complete the work. Complete in all respects as per job requirements and as directed by the Engineer / as per Clinet instructions. Notes: 1) A clearly marked plan to be prepared for dismantling / disconnection, relocation, modification and reinstallation work by the contractor for approval of consultant / client before commencement of work. 2) Contractor can perform any repair, from a simple diagnostic to a complete replacement and reinstallation of any defective component. 3) Contractor has been advised to make a detailed site visit for this job. 4) Contractor shall handover all dismantled items (if any) to Client Store with signed inventory.	10	No.	20,225	202,250
3	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.	58	No.	21,285	1,234,530
4	NSR	Supply, laying, installation, testing and commissioning of 3 Core 2.5 Sq.mm Flexible Cu.PVC/PVC, 300/500 volts grade copper cable from main connector to Street light fixtures as per drawing, specifications and sandards, including all required accessories, connectors etc. Complete in all respect.	145	Rm.	605	87,725
5		Supply, installation, testing and commissioning of following Pad mounted outdoor type Feeder Pillar (FP), Weatherproof IP-65 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the required 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 (Pad Mounted)	1	No.	730,785	730,785

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
6		Supply, installation, testing and commissioning of following Pole mounted outdoor type Lighting Control Panel (LCP), Weatherproof IP-65 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the required 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	LCP-24B-2 (Pole Mounted)	1	No.	373,455	373,455
7	NSR	Supply and Construction of RCC foundation (PAD), including excavation and backfilling for respective Feeder Pillar. 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.	1	Job	34,300	34,300
8		Supply, laying, tagging, testing, commissioning and termination of following sizes of 600/1000 volts grade Aluminum conductor, PVC insulated, PVC sheathed, multi core / single core, unarmoured cables from KE Meter to Feeder Pillar and Feeder Pillar to DB-PR & DB-IT, laying in already provided under ground uPVC Pipe / 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, 35 Sqmm AL/PVC/PVC + 1C, 16 Sqmm AL/PVC as ECC (from KE Meter to Feeder Pillar)	110	Rm.	1,290	141,900
b)	NSR	4C, 16 Sqmm AL/PVC/PVC + 1C, 16 Sqmm AL/PVC as ECC (from Feeder Pillar to DB-PR & DB-IT)	85	Rm.	755	64,175
9		Supply, laying, tagging, testing, commissioning and termination of following sizes of Stranded Aluminum conductor (Arial Bundle XLPE insulated cable) from Feeder Pillar to LCP, 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	3C, 25 Sq.mm AL. ABC Cable + 1C, 16 Sq.mm AL. Neutral	20	Rm.	830	16,600



S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
10		Supply, laying, tagging, testing, commissioning and termination of following sizes of Stranded Aluminum conductor (Arial Bundle XLPE insulated cable) from LCP to street lighting pole and pole to pole, including stringing / sagging of conductor, installation accessories etc. as per drawings, K.E specifications and the entire satisfaction of the engineer and employer. Complete in all respects. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	3C, 10 Sq.mm AL. ABC Cable + 1C, 10 Sq.mm AL. Neutral	1880	Rm.	315	592,200
11		Supply, laying, tagging, testing, commissioning and termination of following sizes of 450/750 volts grade Aluminum conductor, PVC insulated, single core, unarmoured cable from Earth Pit to Street lighting pole and pole to pole, including stringing / sagging of conductor, installation accessories etc. as per drawings, K.E specifications and the entire satisfaction of the engineer and employer. Complete in all respects. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	1C, 10 Sqmm AL/PVC as ECC	1950	Rm.	80	156,000
12	NSR	Supply, installation, testing and commissioning of IPC Connectors for ABC cable, including all other required accessories. Complete in all respect.	175	No.	1,685	294,875
13	NSR	Supply, installation, testing and commissioning of GI Clamps and Insulators for ABC cable, including all other required accessories. Complete in all respect.	175	No.	3,690	645,750
14		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, backfilling, compaction, concrete 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)	140	Rm.	700	98,000
15		Supply, laying and fixing of following size of uPVC Class-D Pipes / uPVC Class-D Sleeves, buried in already excavated trench including all pipe accessories, 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 Pipe (Class-D)	215	Rm.	1,095	235,425
b)	NSR	50mm dia uPVC Sleeves (Class-D)	55	Rm.	1,095	60,225
16	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.	54,665	54,665



S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
17	NSR	Supply, installation, testing and commissioning of Earth pit with Rod type earth electrode, 3/4" dia and 9 Ft. long copper Clad 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, Inspection pit 15" x 15" x 18" deep (min) with heavy duty C.I cover, complete as per detail drawing and instruction of consultant. providing as built drawings, test reports documents to Employer / Consultant representative. Complete in all respect.	8	No.	81,740	653,920
18		Supply, laying, tagging, testing, commissioning and termination of following sizes of 450/750 volts grade Aluminum conductor, PVC insulated, single core, unarmoured cables from Earth Pit to Feeder Pillar / LCP, laying in already provided under ground uPVC Pipe, 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	1C, 16 Sqmm AL/PVC as ECC	20	Rm.	115	2,300
B		**PUMP ROOM ELECTRIFICATION**				
		DISTRIBUTION BOARDS				
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.	133,515	133,515
		WIRING ACCESSORIES				
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.	3,745	3,745
b)	NSR	13A, International Switch Socket Outlet (Weatherproof type)	2	No.	3,835	7,670
c)	NSR	15A, Switch Socket Outlet (Weatherproof type)	1	No.	4,390	4,390
d)	NSR	20A, TPN Isolator (Weatherproof type) for Pump	1	No.	11,165	11,165
3		WIRING FOR LIGHTS & SOCKETS				
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.	1,695	1,695

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
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.	3,010	9,030
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.	3,510	3,510
ii	NSR	Socket outlet to Socket outlet	1	No.	3,805	3,805
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.	7,030	7,030
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.	4,390	4,390
C		**SHOP DRAWINGS**				
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	54,700	54,700
		TOTAL AMOUNT NON-SCHEDULE ITEMS (Rs.) =====>>>>				**11,606,855**



S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
		SCHEDULE ITEMS				
1	**2**	**CHAPTER-2 (INTERNAL ELECTRIFICATION)**				
a)	**2-77**	**LIGHT FITTINGS & FIXTURES (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	55	Each.	58,329	3,208,095
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
		TOTAL AMOUNT SCHEDULE ITEMS (Rs.) ===>>>				**3,277,290**

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
		NON-SCHEDULE ITEMS				
A		**EXTERNAL LIGHTING**				
1		Supply, installation, testing and commissioning of following Octagonal Street Lighting Pole, hot dipped galvanized (Zinc coating not less then 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	55	No.	97,985	5,389,175
2	NSR	Relocation of existing Poles including dismantling and re-installation complete with any loading, shifting, unloading etc. including with repair, all required materials, equipments, machines, crane, repainting, foundation etc. related to complete the work. Complete in all respects as per job requirements and as directed by the Engineer / as per Clinet instructions. Notes: 1) A clearly marked plan to be prepared for dismantling / disconnection, relocation, modification and reinstallation work by the contractor for approval of consultant / client before commencement of work. 2) Contractor can perform any repair, from a simple diagnostic to a complete replacement and reinstallation of any defective component. 3) Contractor has been advised to make a detailed site visit for this job. 4) Contractor shall handover all dismantled items (if any) to Client Store with signed inventory.	10	No.	20,225	202,250
3	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.	55	No.	21,285	1,170,675
4	NSR	Supply, laying, installation, testing and commissioning of 3 Core 2.5 Sq.mm Flexible Cu.PVC/PVC, 300/500 volts grade copper cable from main connector to Street light fixtures as per drawing, specifications and sandards, including all required accessories, connectors etc. Complete in all respect.	140	Rm.	605	84,700
5		Supply, installation, testing and commissioning of following Pad mounted outdoor type Feeder Pillar (FP), Weatherproof IP-65 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the required 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 (Pad Mounted)	1	No.	730,785	730,785

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
6		Supply, installation, testing and commissioning of following Pole mounted outdoor type Lighting Control Panel (LCP), Weatherproof IP-65 rated, made with 14/16 SWG sheet metal, dust protected, vermin proof housing, epoxy powder coated paint with approved color, having all the required 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	LCP-25B-2 (Pole Mounted)	1	No.	373,455	373,455
7	NSR	Supply and Construction of RCC foundation (PAD), including excavation and backfilling for respective Feeder Pillar. 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.	1	Job	34,300	34,300
8		Supply, laying, tagging, testing, commissioning and termination of following sizes of 600/1000 volts grade Aluminum conductor, PVC insulated, PVC sheathed, multi core / single core, unarmoured cables from KE Meter to Feeder Pillar and Feeder Pillar to DB-PR & DB-IT, laying in already provided under ground uPVC Pipe / 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, 35 Sqmm AL/PVC/PVC + 1C, 16 Sqmm AL/PVC as ECC (from KE Meter to Feeder Pillar)	155	Rm.	1,290	199,950
b)	NSR	4C, 16 Sqmm AL/PVC/PVC + 1C, 16 Sqmm AL/PVC as ECC (from Feeder Pillar to DB-PR & DB-IT)	75	Rm.	755	56,625
9		Supply, laying, tagging, testing, commissioning and termination of following sizes of Stranded Aluminum conductor (Arial Bundle XLPE insulated cable) from Feeder Pillar to LCP, 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	3C, 25 Sq.mm AL. ABC Cable + 1C, 16 Sq.mm AL. Neutral	20	Rm.	830	16,600



S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
10		Supply, laying, tagging, testing, commissioning and termination of following sizes of Stranded Aluminum conductor (Arial Bundle XLPE insulated cable) from LCP to street lighting pole and pole to pole, including stringing / sagging of conductor, installation accessories etc. as per drawings, K.E specifications and the entire satisfaction of the engineer and employer. Complete in all respects. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	3C, 10 Sq.mm AL. ABC Cable + 1C, 10 Sq.mm AL. Neutral	1515	Rm.	315	477,225
11		Supply, laying, tagging, testing, commissioning and termination of following sizes of 450/750 volts grade Aluminum conductor, PVC insulated, single core, unarmoured cable from Earth Pit to Street lighting pole and pole to pole, including stringing / sagging of conductor, installation accessories etc. as per drawings, K.E specifications and the entire satisfaction of the engineer and employer. Complete in all respects. Note: Contractor is advised to confirm the cable running lengths and termination as per site conditions before commencement of work.				
a)	NSR	1C, 10 Sqmm AL/PVC as ECC	1580	Rm.	80	126,400
12	NSR	Supply, installation, testing and commissioning of IPC Connectors for ABC cable, including all other required accessories. Complete in all respect.	165	No.	1,685	278,025
13	NSR	Supply, installation, testing and commissioning of GI Clamps and Insulators for ABC cable, including all other required accessories. Complete in all respect.	165	No.	3,690	608,850
14		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, backfilling, compaction, concrete 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)	185	Rm.	700	129,500
15		Supply, laying and fixing of following size of uPVC Class-D Pipes / uPVC Class-D Sleeves, buried in already excavated trench including all pipe accessories, 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 Pipe (Class-D)	250	Rm.	1,095	273,750
b)	NSR	50mm dia uPVC Sleeves (Class-D)	55	Rm.	1,095	60,225
16	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.	54,665	54,665

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
17	NSR	Supply, installation, testing and commissioning of Earth pit with Rod type earth electrode, 3/4" dia and 9 Ft. long copper Clad 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, Inspection pit 15" x 15" x 18" deep (min) with heavy duty C.I cover, complete as per detail drawing and instruction of consultant. providing as built drawings, test reports documents to Employer / Consultant representative. Complete in all respect.	8	No.	81,740	653,920
18		Supply, laying, tagging, testing, commissioning and termination of following sizes of 450/750 volts grade Aluminum conductor, PVC insulated, single core, unarmoured cables from Earth Pit to Feeder Pillar / LCP, laying in already provided under ground uPVC Pipe, 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	1C, 16 Sqmm AL/PVC as ECC	20	Rm.	115	2,300
B		**PUMP ROOM ELECTRIFICATION**				
		DISTRIBUTION BOARDS				
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.	133,515	133,515
		WIRING ACCESSORIES				
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.	3,745	3,745
b)	NSR	13A, International Switch Socket Outlet (Weatherproof type)	2	No.	3,835	7,670
c)	NSR	15A, Switch Socket Outlet (Weatherproof type)	1	No.	4,390	4,390
d)	NSR	20A, TPN Isolator (Weatherproof type) for Pump	1	No.	11,165	11,165
3		WIRING FOR LIGHTS & SOCKETS				
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.	1,695	1,695

S.NO.	PWD Schedule of Rates-2022 Item#/Page#	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
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.	3,010	9,030
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.	3,510	3,510
ii	NSR	Socket outlet to Socket outlet	1	No.	3,805	3,805
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.	7,030	7,030
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.	4,390	4,390
C		**SHOP DRAWINGS**				
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	54,700	54,700
		TOTAL AMOUNT NON-SCHEDULE ITEMS (Rs.) =====>>>>				**11,168,020**



KE ELECTRIFICATION WORKS

ENGINEER'S ESTIMATE



ENGINEER'S ESTIMATE

SUMMARY

S.NO.	SECTOR	TOTAL AMOUNT (RS.)
1	Sector 4-C	105,175,939
2	Sector 18-C	14,553,457
3	Sector 19-C	15,175,838
4	Sector 24-B	89,961,717
5	Sector 25-B	91,821,969
GRAND TOTAL AMOUNT (RS.)		**316,688,920**



S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	SECTOR-4-C				
	H.T OVER HEAD				
1	PROVIDING AND FIXING OF STEEL TABULAR POLE 36' X 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5	Nos	357,865	1,789,325
2	PROVIDING AND FIXING OF EARTH ROD AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	33	Nos	36,537	1,205,721
3	PROVIDING AND FIXING OF U CLAMP GROUNDING AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	33	Nos	7,294	240,702
4	PROVIDING AND FIXING OF STEEL WIRE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	132	Meter	643	84,876
5	PROVIDING AND FIXING OF CHENAL IRON BRACKET PHASE TYPE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	22,408	44,816
6	PROVIDING AND FIXING OF CHENAL IRON BRACKET EARTH TYPE 14" X 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	26,409	52,818
7	PROVIDING AND FIXING OF ANTY PERCHANT BRACKET CHANEL 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	28,810	57,620
8	PROVIDING AND FIXING OF CHENAL IRON BRACKET 14" X 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4	Nos	32,011	128,044
9	PROVIDING AND FIXING OF PIN INSULATOR WITH STEEL PIN AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	22	Nos	12,964	285,208
10	PROVIDING AND FIXING OF DISC INSULATER AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	12	Nos	8,963	107,556
11	PROVIDING AND FIXING OF HDBC WIRE 3/O SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	20	kg	5,705	114,100
12	PROVIDING AND FIXING OF HDBC WIRE 4/O SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	20	kg	5,705	114,100
13	PROVIDING AND FIXING OF BINDING WIRE 16SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5	Meter	3,418	17,090
14	PROVIDING AND FIXING OF G.I WIRE 22.2MM (7/8") AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	30	Kg	1,350	40,500
15	PROVIDING AND FIXING OF STRUD UNIT COMPLETE HT AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	89,831	269,493
16	PROVIDING AND FIXING OF PMT STRUCTURE 500KVA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	371,823	371,823
17	PROVIDING AND FIXING OF PMT CHAMBER BOX AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	53,323	106,646
18	PROVIDING AND FIXING OF PG BUS BAR ARRANGEMENT WITH PG CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	sets	111,806	111,806
19	PROVIDING AND FIXING PMT 250 KVA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	4,042,202	4,042,202
20	PROVIDING AND FIXING TRANSFORMER 500 KVA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	7,052,353	7,052,353
21	PROVIDING AND FIXING TRANSFORMER 750 KVA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	8,428,421	8,428,421



S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
22	PROVIDING AND FIXING EARTHING OF PMT'S / SUB-STATION COMPLETE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	11	Nos	65,000	715,000
23	PROVIDING AND FIXING 11KV H.T VCB PANEL WITH OUT METERING AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	4,988,248	14,964,744
24	PROVIDING AND FIXING H.T 11KV 3CORE, 300MM ARMOURED CABLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	300	Mtr	28,935	8,680,500
25	PROVIDING AND FIXING 240MM TERMINATION INDOOR/OUTDOOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4	Nos	35,830	143,320
26	PROVIDING AND FIXING 300MM TERMINATION INDOOR/OUTDOOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4	Nos	37,434	149,736
27	PROVIDING AND FIXING HT JOINT 300MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	120,260	721,560
28	PROVIDING AND FIXING EARTH FAULT INDICATOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4	Nos	79,124	316,496
29	PROVIDING AND FIXING EFI BOX AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4	Nos	28,338	113,352
30	PROVIDING AND FIXING LOAD BANK SWICTH LBS AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	1,698,221	3,396,442
31	PROVIDING AND FIXING D/O CUT OUT 100AMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	34,832	104,496
32	PROVIDING AND FIXING OF LIGHTING ARRESTOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	24,899	74,697
33	PROVIDING AND FIXING BOX 400AMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	34,256	34,256
34	PROVIDING AND FIXING HRC FUSE GRIP 400AMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	9,039	54,234
35	PROVIDING AND FIXING DB FUSE BOX AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	50,575	101,150
36	PROVIDING AND FIXING CIRCUIT BREAKER 800AMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	426,377	426,377
37	PROVIDING AND FIXING BREAKER BOX 800AMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	37,587	37,587
38	PROVIDING AND FIXING G.I STRIP 19X13 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	24	Nos	961	23,064
39	PROVIDING AND FIXING G.I STRIP 19X18 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	30	Nos	401	12,030
40	PROVIDING AND FIXING BARBED WIRE WITH DANGER BOARD 11KV AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	11,807	35,421
41	PROVIDING AND FIXING11KV H.T JOINT MARKER AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	29,000	58,000
42	PROVIDING AND FIXING G.I PIPE 4" DIA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	12	Mtr	16,851	202,212
43	PROVIDING AND FIXING G.I PIPE 5" DIA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	12	Mtr	17,930	215,160
44	PROVIDING AND FIXING G.I PIPE 6" DIA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	18	Mtr	19,562	352,116

S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
45	PROVIDING AND FIXING CABLE WARNING TILES 12"X9"X2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4400	Nos	160	704,000
46	PROVIDING AND FIXING WOODEN CLEATS AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5	Nos	12,449	62,245
47	PROVIDING AND FIXING CABLE CLAMPS AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	10	Nos	2,952	29,520
48	PROVIDING AND FIXING COPPER LUGS 120MM / 70MM AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	58	Nos	1,507	87,406
49	PROVIDING AND FIXING COPPER LUGS 300MM AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	16	Nos	3,345	53,520
50	PROVIDING AND FIXING PVC TAPE (4COLOURE) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	90	Nos	80	7,200
51	PROVIDING AND FIXING EMPIRE TAPE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4	Nos	630	2,520
52	PROVIDING AND FIXING DEAD END CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	5,103	30,618
	L.T OVER HEAD				
53	PROVIDING AND FIXING STEEL TUBULAR POLES 5.1/2 X 31 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	28	NOS	255,098	7,142,744
54	PROVIDING AND FIXING IRON "D" 3.5 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	24	NOS	800	19,200
55	PROVIDING AND FIXING SHAKLE INSILATOR 19X18 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	24	NOS	1,921	46,104
56	PROVIDING AND FIXING TIGER AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5487	Meter	1,204	6,606,348
57	PROVIDING AND FIXING RABBIT AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1000	Meter	423	423,000
58	PROVIDING AND FIXING STRUT UNIT COMPLETE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	15	NOS	84,937	1,274,055
59	PROVIDING AND FIXING L.T 4 CORE 240MM ARMOURED CABLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	80	Mtr	56,512	4,520,960
60	PROVIDING AND FIXING 70MM SINGLE CORE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	30	Mtr	3,516	105,480
61	PROVIDING AND FIXING 120MM SINGLE CORE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	20	Mtr	5,447	108,940
62	PROVIDING AND FIXING 240MM SINGLE CORE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	100	Mtr	11,742	1,174,200
63	PROVIDING AND FIXING LUGS 70 CU AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	50	Nos	720	36,000
64	PROVIDING AND FIXING LUGS 240 CU AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	50	Nos	2,880	144,000
65	PROVIDING AND FIXING L.T TYPE 400AMP ADJUSTABLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	NOS	125,683	125,683
66	PROVIDING AND FIXING OF PANEL; INDOOR LT 8 WAY AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	2,783,056	2,783,056
67	PROVIDING AND FIXING SUSPENSION CLAMP LT AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	20	Nos	2,427	48,540

S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
68	PROVIDING AND FIXING B TYPE 5-1/2 CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	40	Nos	2,880	115,200
69	PROVIDING AND FIXING B TYPE 6-1/2 CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	40	Nos	3,201	128,040
70	PROVIDING AND FIXING A- TYPE 5-1/2 CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	180	Nos	2,880	518,400
71	PROVIDING AND FIXING A -TYPE 6-1/2 CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	35	Nos	3,201	112,035
72	PROVIDING AND FIXING C- TYPE 5-1/2 CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	30	Nos	2,880	86,400
73	PROVIDING AND FIXING C- TYPE 6-1/2 CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	35	Nos	3,201	112,035
74	PROVIDING AND FIXING IPC 95 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	80	Nos	1,239	99,120
75	PROVIDING AND FIXING END CAP 95 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	60	Nos	157	9,420
76	PROVIDING AND FIXING END CAP 70 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	20	Nos	125	2,500
77	PROVIDING AND FIXING CABLE TIE 10" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1000	Nos	144	144,000
78	PROVIDING AND FIXING ABC CABLE 95MM AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4700	Mtr	3,477	16,341,900
79	PROVIDING AND FIXING BOLT & NUT 5-1/2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	190	Nos	700	133,000
80	PROVIDING AND FIXING BOLT & NUT 7X1/2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	80	Nos	803	64,240
81	PROVIDING AND FIXING BOLT & NUT 7X3/4 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	40	Nos	882	35,280
82	PROVIDING AND FIXING BOLT & NUT 2-1/2X1/2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	150	Nos	335	50,250
83	PROVIDING AND FIXING BOLT & NUT 1-1/2X1/2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	40	Nos	321	12,840
84	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.	2	each	291,540	583,080
85	CONSTRUCTION OF SUB-STATION AS PER K-ELECTRIC SPECIFICATION (CIVIL WORK)	1	Job	4,525,000	4,525,000
	SITE RELOCATION WORK				
86	DISMENTALLING 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 .	8	Nos	24,500	196,000

S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
87	DISMENTALLING 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 .	8	Nos	11,500	92,000
88	DISMENTALLING 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 .	8	Nos	15,600	124,800
89	DISMENTALLING 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.	8	Nos	13,500	108,000
90	TRANSPORTATION FOR DISMENTALLING FOR POLE & RE-INSTALLATION POLE	11	Nos	16,540	181,940
91	DISMENTALLING 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.	23	Nos	11,650	267,950
	TOTAL AMOUNT (Rs.) =====>>>>				**105,175,939**

S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	SECTOR-18-C				
1	PROVIDING AND FIXING OF CONDUCTOR ACSR RABBIT 2 SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1000	meters	423	423,000
2	PROVIDING AND FIXING OF CONDUCTOR; ACSR DOG 3/0SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1850	meters	825	1,526,250
3	PROVIDING AND FIXING OF STRIP; SHACKLE G.I 19/13 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	14	Nos	961	13,454
4	PROVIDING AND FIXING OF ALMUNIUM WIRE; BINDING, 16SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	24	meters	3,418	82,032
5	PROVIDING AND FIXING OF STAY UNIT; HT COMPLETE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5	Nos	16,399	81,995
6	PROVIDING AND FIXING OF STRIP; SHACKLE G.I 19/18 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	25	Nos	401	10,025
7	PROVIDING AND FIXING OF STRUT UNIT; COMPLETE FOR HT POLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	89,831	269,493
8	PROVIDING AND FIXING OF STRUT UNIT; COMPLETE FOR LT POLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	84,937	169,874
9	PROVIDING AND FIXING OF CLAMP; G. I D-TYPE 3-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	14	Nos	800	11,200
10	PROVIDING AND FIXING OF CLAMP; G. I D-TYPE 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	23	Nos	961	22,103
11	PROVIDING AND FIXING OF INSULATORS PIN TYPE 11 KV AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	44	Nos	8,963	394,372
12	PROVIDING AND FIXING OF PIN FOR PIN INSULATOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	44	Nos	4,001	176,044
13	PROVIDING AND APPLYING OF OIL; TARPENTINE OIL AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	16	LITRE	650	10,400
14	PROVIDING AND APPLYING OF PAINT; SYNTHETIC ENAMAL ORANGE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	16	LITRE	2,041	32,656
15	PROVIDING AND APPLYING PAINT; ENAMEL SPL GREY AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	113	LITRE	2,041	230,633
16	PROVIDING AND APPLYING OF SHINGLE (BAJRI) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3330	Cft	120	399,600
17	PROVIDING AND APPLYING OF CEMENT; BAG 50 KG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1420	KGs	40	56,800
18	PROVIDING AND FIXING OF CLAMP; SNAIL DISCONNECTION FOR 11 KV AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	20	Nos	3,905	78,100
19	PROVIDING AND FIXING OF BOLT & NUT; BRASS HEX 2X1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	30	Nos	1,280	38,400
20	PROVIDING AND FIXING OF LINE TAP; 70MM2 3/OSWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	21	Nos	1,625	34,125
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.	6	Nos	11,370	68,220
22	PROVIDING AND FIXING OF BUSBAR ARRANGEMENT; PMT WITH PG CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Set	111,806	335,418



S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
23	PROVIDING AND FIXING OF CLAMP; C-TYPE FOR 70MM CU CONDUCTOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	7	Nos	2,250	15,750
24	RE-PAINTING WORK FOR POLE; HT ST, 36'X5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	20	Nos	3,800	76,000
25	PROVIDING AND FIXING OF BOLT & NUT; G I 3"X1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	43	Nos	481	20,683
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.	147	Nos	700	102,900
27	PROVIDING AND FIXING OF INSULATOR DISC POR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	24	Nos	8,963	215,112
28	PROVIDING AND FIXING OF BOLT & NUT; M.S 7"X1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	7	Nos	803	5,621
29	PROVIDING AND FIXING OF BOLT & NUT; M.S 7"X3/4" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	61	Nos	882	53,802
30	PROVIDING AND FIXING OF BOLT & NUT; M.S 1-1/2" X 1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4	Nos	321	1,284
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.	86	Nos	364	31,304
32	PROVIDING AND FIXING OF 11KV KNIFE SWITCH AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	352,989	705,978
33	PROVIDING AND FIXING OF BRACKET; POLE G.I C TYPE 4-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	10	Nos	2,401	24,010
34	PROVIDING RE-PAINTING WORK POLE; LT ST 31'X4-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	10	Nos	3,800	38,000
35	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	11	Nos	2,880	31,680
36	PROVIDING AND FIXING OF BRACKET; POLE G.I C TYPE 6-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	7	Nos	3,201	22,407
37	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 6-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	7	Nos	3,201	22,407
38	PROVIDING AND FIXING OF LUG; CU 70MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	23	Nos	720	16,560
39	PROVIDING AND FIXING OF PIPE ; G.I 1-1/2" DIA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	8	Mtr	3,732	29,856
40	PROVIDING AND FIXING OF BOX; ANTI-THEFT A TYPE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	66,836	133,672
41	PROVIDING AND FIXING OF BRACKET; POLE ANTI PURCHENT S/P 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	28,810	86,430
42	PROVIDING AND FIXING OF BRACKET; POLE ANTI PURCHENT S/P 6-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	29,610	88,830
43	PROVIDING AND FIXING OF BRACKET; EARTH 8'X5-1/2 DIA. AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	26,409	52,818
44	PROVIDING AND FIXING OF BRACKET; POLE CH.I 14" X 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	32,011	32,011
45	PROVIDING AND FIXING OF BRACKET; PHASE HT 5' X 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	22,408	44,816

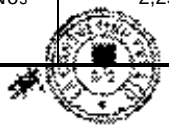
S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
46	PROVIDING AND FIXING OF CLAMP DEAD END ASSEMBLY;(BRACKET&CLAMP) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	5,103	5,103
47	PROVIDING AND FIXING OF PIPE; PVC 1" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	13	Mtr	257	3,341
48	PROVIDING AND FIXING OF BOLT; G.I ROWAL 10MM DIA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	480	1,440
49	PROVIDING AND FIXING OF BOLT & NUT G.I. SIZE 2" X 1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	84	Nos	335	28,140
50	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 4-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	7	Nos	2,880	20,160
51	PROVIDING AND FIXING OF INSULATOR; SHACKLE 19/13 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	2,204	2,204
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.	41	Nos	700	28,700
53	PROVIDING AND FIXING OF INSULATOR; SHACKLE LT 19/18 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	8	Nos	1,640	13,120
54	PROVIDING AND INSTALLATION OF CABLE; AL XLPE ABC 3X95+70+1X25MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1013	Mtr	3,477	3,522,201
55	PROVIDING AND FIXING OF LUGS; BI-METALLIC (AL-CU) 25 MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	15	Nos	991	14,865
56	PROVIDING AND FIXING OF LUG; BIMETALLIC 95MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	30	Nos	1,217	36,510
57	PROVIDING AND FIXING OF CAP; END FOR 70MM2 CABLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	50	Nos	125	6,250
58	PROVIDING AND FIXING OF TIE; CABLE 10" (5 NOS. TIES OF EA) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	666	Nos	144	95,904
59	PROVIDING AND FIXING OF CAP; END FOR 95MM2 CABLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	45	Nos	157	7,065
60	PROVIDING AND FIXING IPC FOR BUNDLE CABLE CONNECTION AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	35	Nos	1,239	43,365
61	PROVIDING AND FIXING OF BREAKER; LT 400A WITH METAL PLATE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	125,683	125,683
62	PROVIDING AND FIXING OF BOX; BREAKER LT TYPE-2 FOR 300A TO 400A AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	34,256	68,512
63	PROVIDING AND FIXING OF WIRE; CU, PVC INSULATED, S/CORE, 120 MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	25	Mtr	5,447	136,175
64	PROVIDING AND FIXING OF D. O. CUTOUT 100AMP TYPE: D AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	34,832	208,992
65	PROVIDING AND FIXING OF LINK; FUSE D.O CUTOUT 15A 11KV AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	5,103	5,103
66	PROVIDING AND FIXING OF LIGHTING ARRESTOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	24,899	149,394
67	PROVIDING AND FIXING OF PMT STRUCTURE 500 KVA 9' COMPLETE. AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	371,823	743,646

S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
68	PROVIDING AND FIXING OF CLEAT;WOODEN (12" LONG) FOR PMT AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	12,449	24,898
69	PROVIDING AND FIXING OF CURRENT TRANSFORMER; 800/5A (FOR CHECK METER) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5	Nos	9,892	49,460
70	PROVIDING AND FIXING OF CURRENT TRANSFORMER; 400/5A (FOR CHECK METER) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	8,593	51,558
71	PROVIDING AND FIXING OF TWIST TITE WIRER SEAL (PLASTIC) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	8	Nos	430	3,440
72	PROVIDING AND FIXING OF BOX; LT DB (ICTP FUSE BOX) 400 A AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4	Nos	50,575	202,300
73	PROVIDING AND FIXING OF COVER; PROTECTION FOR HT BUSHING, PMT AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Mtr	9,118	54,708
74	PROVIDING AND FIXING OF LINK; FUSE HRC 400A AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	9,039	54,234
75	PROVIDING AND FIXING OF LUGS COPPER 120 MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	1,507	4,521
76	PROVIDING AND FIXING CABLE; CU L.T 4-CORE (ARM) 35MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	25	meters	8,726	218,150
77	PROVIDING AND FIXING CABLE; CU L.T 4-CORE (ARM) 70MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	30	meters	16,431	492,930
78	PROVIDING AND FIXING CABLE COPPER TWIN CORE PVC 10 MM2 U/A AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	65	Mtr	1,870	121,550
79	PROVIDING NOC, TEST FORM AND EIK FEE CHARGES ,PERMISION AND FITTNESS CERTIFICATE FOR TRANSFORMERS AS PER K.E SPECIFICATION AS REQUIRED FOR ENERGIZING THE SCHEME.	265	P.KW	850	225,250
80	MACHINE BORING FOR EARTH PIT ,BORE 21 FEET DEEP GROUND LEVEL HARD AND SOFT SOIL AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5	nos	65,000	325,000
	SITE RELOCATION WORK				
81	DISMENTALLING 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 .	3	Nos	27,500	82,500
82	DISMENTALLING 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 .	9	Nos	24,500	220,500
83	DISMENTALLING 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 .	9	Nos	11,500	103,500
84	DISMENTALLING 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 .	9	Nos	15,600	140,400



S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
85	DISMENTALLING 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.	9	Nos	13,500	121,500
86	TRANSPORTATION FOR DISMENTALLING FOR POLE & RE-INSTALLATION POLE	9	Nos	16,540	148,860
87	DISMENTALLING 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.	28	Nos	11,650	326,200
	TOTAL AMOUNT (Rs.) =====>>>>				**14,553,457**

S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	SECTOR-19-C				
1	PROVIDING AND FIXING OF CONDUCTOR ACSR RABBIT 2 SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	475	meters	423	200,925
2	PROVIDING AND FIXING OF CONDUCTOR; ACSR DOG 3/0SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1343	meters	825	1,107,975
3	PROVIDING AND FIXING OF STRIP; SHACKLE G.I 19/13 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	7	Nos	961	6,727
4	PROVIDING AND FIXING OF ALMUNIUM WIRE; BINDING, 16SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	12	meters	3,418	41,016
5	PROVIDING AND FIXING OF STAY UNIT; HT COMPLETE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5	Nos	16,399	81,995
6	PROVIDING AND FIXING OF STRIP; SHACKLE G.I 19/18 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	12	Nos	401	4,812
7	PROVIDING AND FIXING OF STRUT UNIT; COMPLETE FOR HT POLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	89,831	269,493
8	PROVIDING AND FIXING OF STRUT UNIT; COMPLETE FOR LT POLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	7	Nos	84,937	594,559
9	PROVIDING AND FIXING OF CLAMP; G. I D-TYPE 3-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	7	Nos	800	5,600
10	PROVIDING AND FIXING OF CLAMP; G. I D-TYPE 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	12	Nos	961	11,532
11	PROVIDING AND FIXING OF INSULATORS PIN TYPE 11 KV AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	35	Nos	8,963	313,705
12	PROVIDING AND FIXING OF PIN FOR INSULATORS PIN TYPE 11 KV AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	35	Nos	4,001	140,035
13	PROVIDING AND APPLYING OF OIL; TARPENTINE OIL AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	8	LITRE	650	5,200
14	PROVIDING AND APPLYING OF PAINT; SYNTHETIC ENAMAL ORANGE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	8	LITRE	2,041	16,328
15	PROVIDING AND APPLYING PAINT; ENAMEL SPL GREY AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	57	LITRE	2,041	116,337
16	PROVIDING AND APPLYING OF SHINGLE (BAJRI) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1665	Cft	120	199,800
17	PROVIDING AND APPLYING OF CEMENT; BAG 50 KG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	710	KGs	40	28,400
18	PROVIDING AND FIXING OF CLAMP; SNAIL DISCONNECTION FOR 11 KV AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	10	Nos	3,905	39,050
19	PROVIDING AND FIXING OF BOLT & NUT; BRASS HEX 2X1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	15	Nos	1,280	19,200
20	PROVIDING AND FIXING OF LINE TAP; 70MM2 3/OSWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	11	Nos	1,625	17,875
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.	6	Nos	11,370	68,220
22	PROVIDING AND FIXING OF CLAMP; C-TYPE FOR 70MM CU CONDUCTOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	2,250	6,750



S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
23	RE-PAINTING WORK FOR POLE; HT ST, 36'X5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	15	Nos	3,800	57,000
24	PROVIDING AND FIXING OF BOLT & NUT; G I 3"X1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	21	Nos	481	10,101
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.	94	Nos	700	65,800
26	PROVIDING AND FIXING OF INSULATOR DISC POR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	24	Nos	8,963	215,112
27	PROVIDING AND FIXING OF BOLT & NUT; M.S 7"X1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	803	2,409
28	PROVIDING AND FIXING OF BOLT & NUT; M.S 7"X3/4" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	31	Nos	882	27,342
29	PROVIDING AND FIXING OF BOLT & NUT; M.S 1-1/2" X 1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	321	963
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.	40	Nos	364	14,560
31	PROVIDING AND FIXING OF 11KV KNIFE SWITCH AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	371,568	743,136
32	PROVIDING AND FIXING OF BRACKET; POLE G.I C TYPE 4-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5	Nos	2,401	12,005
33	PROVIDING RE-PAINTING WORK POLE; LT ST 31'X4-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5	Nos	3,800	19,000
34	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	2,880	17,280
35	PROVIDING AND FIXING OF BRACKET; POLE G.I C TYPE 6-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4	Nos	3,201	12,804
36	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 6-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4	Nos	3,201	12,804
37	PROVIDING AND FIXING OF PIPE ; G.I 1-1/2" DIA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Mtr	3,732	22,392
38	PROVIDING AND FIXING OF BOX; ANTI-THEFT A TYPE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	66,836	133,672
39	PROVIDING AND FIXING OF BRACKET; POLE ANTI PURCHENT S/P 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	28,810	57,620
40	PROVIDING AND FIXING OF BRACKET; POLE ANTI PURCHENT S/P 6-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	29,610	59,220
41	PROVIDING AND FIXING OF BRACKET; EARTH 8'X5-1/2 DIA. AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	26,409	52,818
42	PROVIDING AND FIXING OF BRACKET; POLE CH.I 14" X 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	32,011	32,011
43	PROVIDING AND FIXING OF BRACKET; PHASE HT 5' X 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	22,408	44,816
44	PROVIDING AND FIXING OF CLAMP DEAD END ASSEMBLY;(BRACKET&CLAMP) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	5,103	5,103
45	PROVIDING AND FIXING OF PIPE; PVC 1" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	7	Mtr	257	1,799

S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
46	PROVIDING AND FIXING OF BOLT; G.I ROWAL 10MM DIA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	480	960
47	PROVIDING AND FIXING OF BOLT & NUT G.I. SIZE 2" X 1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	42	Nos	335	14,070
48	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 4-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4	Nos	2,880	11,520
49	PROVIDING AND FIXING OF INSULATOR; SHACKLE 19/13 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	2,204	2,204
50	PROVIDING AND FIXING OF INSULATOR; SHACKLE LT 19/18 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4	Nos	1,640	6,560
51	PROVIDING AND INSTALLATION OF CABLE; AL XLPE ABC 3X95+70+1X25MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1400	Mtr	3,477	4,867,800
52	PROVIDING AND FIXING OF LUGS; BI-METALLIC (AL-CU) 25 MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4	Nos	991	3,964
53	PROVIDING AND FIXING OF LUG; BIMETALLIC 95MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	10	Nos	1,217	12,170
54	PROVIDING AND FIXING OF CAP; END FOR 70MM2 CABLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	25	Nos	125	3,125
55	PROVIDING AND FIXING OF TIE; CABLE 10" (5 NOS. TIES OF EA) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	333	Nos	144	47,952
56	PROVIDING AND FIXING OF CAP; END FOR 95MM2 CABLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	23	Nos	157	3,611
57	PROVIDING AND FIXING IPC FOR BUNDLE CABLE CONNECTION AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	18	Nos	1,239	22,302
58	PROVIDING AND FIXING OF BREAKER; LT 400A WITH METAL PLATE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	125,683	125,683
59	PROVIDING AND FIXING OF BOX; BREAKER LT TYPE-2 FOR 300A TO 400A AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	34,256	68,512
60	PROVIDING AND FIXING OF WIRE; CU, PVC INSULATED, S/CORE, 120 MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	25	Mtr	5,447	136,175
61	PROVIDING AND FIXING OF D. O. CUTOUT 100AMP TYPE: D AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	34,832	208,992
62	PROVIDING AND FIXING OF LIGHTING ARRESTOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	24,899	149,394
63	PROVIDING AND FIXING OF PMT STRUCTURE 500 KVA 9' COMPLETE. AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	371,823	743,646
64	PROVIDING AND FIXING OF CLEAT;WOODEN (12" LONG) FOR PMT AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	12,449	24,898
65	PROVIDING AND FIXING OF CURRENT TRANSFORMER; 800/5A (FOR CHECK METER) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	9,892	19,784
66	PROVIDING AND FIXING OF CURRENT TRANSFORMER; 400/5A (FOR CHECK METER) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	8,593	51,558
67	PROVIDING AND FIXING OF TWIST TITE WIRER SEAL (PLASTIC) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	430	1,290

S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
68	PROVIDING AND FIXING OF BOX; LT DB (ICTP FUSE BOX) 400 A AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4	Nos	50,575	202,300
69	PROVIDING AND FIXING OF COVER; PROTECTION FOR HT BUSHING, PMT AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Mtr	9,118	54,708
70	PROVIDING AND FIXING OF BUSBAR ARRANGEMENT; PMT WITH PG CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Sets	111,806	335,418
71	PROVIDING AND FIXING OF LUG; CU 120MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	15	Nos	1,507	22,605
72	PROVIDING AND FIXING OF LINK; FUSE HRC 400A AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	9,039	54,234
73	PROVIDING AND FIXING OF LUG; CU 70MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5	Nos	720	3,600
74	PROVIDING AND FIXING CABLE; CU L.T 4-CORE (ARM) 35MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	27	meters	8,726	235,602
75	PROVIDING AND FIXING CABLE; CU L.T 4-CORE (ARM) 70MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	30	meters	16,431	492,930
76	PROVIDING AND FIXING CABLE COPPER TWIN CORE PVC 10 MM2 U/A AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	32	Mtr	1,870	59,840
77	PROVIDING NOC, TEST FORM AND EIK FEE CHARGES ,PERMISION AND FITTNESS CERTIFICATE FOR TRANSFORMERS AS PER K.E SPECIFICATION AS REQUIRED FOR ENERGIZING THE SCHEME.	1221	P.KW	850	1,037,850
78	MACHINE BORING FOR EARTH PIT ,BORE 21 FEET DEEP GROUND LEVEL HARD AND SOFT SOIL AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5	nos	65,000	325,000
	SITE RELOCATION WORK				
79	DISMENTALLING 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 .	3	Nos	27,500	82,500
80	DISMENTALLING 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 .	7	Nos	24,500	171,500
81	DISMENTALLING 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 .	7	Nos	11,500	80,500
82	DISMENTALLING 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 .	7	Nos	15,600	109,200
83	DISMENTALLING 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.	7	Nos	13,500	94,500
84	TRANSPORTATION FOR DISMENTALLING FOR POLE & RE-INSTALLATION POLE	7	Nos	16,540	115,780

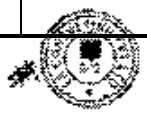


S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
85	DISMENTALLING THE EXISTING SPAN OF L.TSPAN FOR BUNDLE CABLE AND RE-PULLING AND RE-INSTALLATION THE SAME INCLUDING HARDWARE MATERIAL ON THE EXISTING L.T POLE AS REQUIRED AT SITE.	22	Nos	11,650	256,300
	TOTAL AMOUNT (Rs.) =====>>>>				**15,175,838**

S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	SECTOR-24-B				
1	PROVIDING AND FIXING OF CONDUCTOR ACSR RABBIT 2 SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4000	meters	423	1,692,000
2	PROVIDING AND FIXING OF CONDUCTOR; ACSR DOG 3/0SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	10500	meters	825	8,662,500
3	PROVIDING AND FIXING OF STRIP; SHACKLE G.I 19/13 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	65	Nos	961	62,465
4	PROVIDING AND FIXING OF ALMUNIUM WIRE; BINDING, 16SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	120	meters	3,418	410,160
5	PROVIDING AND FIXING OF STAY UNIT; HT COMPLETE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	16,399	32,798
6	PROVIDING AND FIXING OF STRIP; SHACKLE G.I 19/18 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	124	Nos	401	49,724
7	PROVIDING AND FIXING OF STRUT UNIT; COMPLETE FOR HT POLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	12	Nos	89,831	1,077,972
8	PROVIDING AND FIXING OF STRUT UNIT; COMPLETE FOR LT POLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	29	Nos	84,937	2,463,173
9	PROVIDING AND FIXING OF CLAMP; G. I D-TYPE 3-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	71	Nos	800	56,800
10	PROVIDING AND FIXING OF INSULATORS PIN TYPE 11 KV AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	118	Nos	8,963	1,057,634
11	PROVIDING AND FIXING OF PIN; FOR PIN INSULATOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	118	Nos	4,001	472,118
12	PROVIDING AND APPLYING OF OIL; TARPENTINE OIL AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	85	LITRE	650	55,250
13	PROVIDING AND APPLYING OF PAINT; SYNTHETIC ENAMAL ORANGE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	81	LITRE	2,041	165,321
14	PROVIDING AND APPLYING PAINT; ENAMEL SPL GREY AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	567	LITRE	2,041	1,157,247
15	PROVIDING AND APPLYING OF SHINGLE (BAJRI) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	16655	Cft	120	1,998,600
16	PROVIDING AND APPLYING OF CEMENT; BAG 50 KG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	7101	KGs	40	284,040
17	PROVIDING AND FIXING OF CLAMP; SNAIL DISCONNECTION FOR 11 KV AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	100	Nos	3,905	390,500
18	PROVIDING AND FIXING OF BOLT & NUT; BRASS HEX 2X1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	149	Nos	1,280	190,720
19	PROVIDING AND FIXING OF LINE TAP; 70MM2 3/OSWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	107	Nos	1,625	173,875
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.	14	Nos	11,370	159,180
21	PROVIDING AND FIXING OF CLAMP; C-TYPE FOR 70MM CU CONDUCTOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	35	Nos	2,250	78,750
22	RE-PAINTING WORK FOR POLE; HT ST, 36'X5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	60	Nos	3,800	228,000

S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
23	PROVIDING AND FIXING OF BOLT & NUT; G I 3"X1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	213	Nos	481	102,453
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.	942	Nos	700	659,400
25	PROVIDING AND FIXING OF INSULATOR DISC POR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	82	Nos	8,963	734,966
26	PROVIDING AND FIXING OF BOLT & NUT; M.S 7"X1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	33	Nos	803	26,499
27	PROVIDING AND FIXING OF BOLT & NUT; M.S 7"X3/4" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	307	Nos	882	270,774
28	PROVIDING AND FIXING OF BOLT & NUT; M.S 1-1/2" X 1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	19	Nos	321	6,099
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.	431	Nos	364	156,884
30	PROVIDING AND FIXING OF BRACKET; POLE G.I C TYPE 4-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	50	Nos	2,401	120,050
31	PROVIDING RE-PAINTING WORK POLE; LT ST 31'X4-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	50	Nos	3,800	190,000
32	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	56	Nos	2,880	161,280
33	PROVIDING AND FIXING OF BRACKET; POLE G.I C TYPE 6-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	36	Nos	3,201	115,236
34	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 6-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	35	Nos	3,201	112,035
35	PROVIDING AND FIXING OF LUG; CU 70MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	119	Nos	720	85,680
36	PROVIDING AND FIXING OF BOX; ANTI-THEFT A TYPE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	66,836	200,508
37	PROVIDING AND FIXING OF BRACKET; POLE ANTI PURCHENT S/P 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	14	Nos	28,810	403,340
38	PROVIDING AND FIXING OF BRACKET; POLE ANTI PURCHENT S/P 6-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	14	Nos	29,610	414,540
39	PROVIDING AND FIXING OF BRACKET; EARTH 8'X5-1/2 DIA. AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	10	Nos	26,409	264,090
40	PROVIDING AND FIXING OF BRACKET; POLE CH.I 14" X 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	32,011	64,022
41	PROVIDING AND FIXING OF BRACKET; PHASE HT 5' X 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	10	Nos	22,408	224,080
42	PROVIDING AND FIXING OF CLAMP DEAD END ASSEMBLY;(BRACKET&CLAMP) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4	Nos	5,103	20,412
43	PROVIDING AND FIXING OF PIPE; PVC 1" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	66	Mtr	257	16,962
44	PROVIDING AND FIXING OF BOLT; G.I ROWAL 10MM DIA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	15	Nos	480	7,200
45	PROVIDING AND FIXING OF BOLT & NUT G.I. SIZE 2" X 1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	422	Nos	335	141,370

S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
46	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 4-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	36	Nos	2,880	103,680
47	PROVIDING AND FIXING OF INSULATOR; SHACKLE 19/13 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	8	Nos	2,204	17,632
48	PROVIDING AND FIXING OF INSULATOR; SHACKLE LT 19/18 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	38	Nos	1,640	62,320
49	PROVIDING AND FIXING OF 11KV KNIFE SWITCH AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	371,568	2,229,408
50	PROVIDING AND INSTALLATION OF CABLE; AL XLPE ABC 3X95+70+1X25MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2100	Mtr	3,477	7,301,700
51	PROVIDING AND FIXING OF LUGS; BI-METALLIC (AL-CU) 25 MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	43	Nos	991	42,613
52	PROVIDING AND FIXING OF LUG; BIMETALLIC 95MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	104	Nos	1,217	126,568
53	PROVIDING AND FIXING OF CAP; END FOR 70MM2 CABLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	250	Nos	125	31,250
54	PROVIDING AND FIXING OF TIE; CABLE 10" (5 NOS. TIES OF EA) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3330	Nos	144	479,520
55	PROVIDING AND FIXING OF CAP; END FOR 95MM2 CABLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	225	Nos	157	35,325
56	PROVIDING AND FIXING IPC FOR BUNDLE CABLE CONNECTION AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	175	Nos	1,239	216,825
57	PROVIDING AND FIXING OF TRANSFORMER; DISTRIBUTION 3-PHASE 750KVA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	8,428,421	8,428,421
58	PROVIDING AND FIXING OF BREAKER; LT 400A WITH METAL PLATE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	125,683	251,366
59	PROVIDING AND FIXING OF BOX; BREAKER LT TYPE-2 FOR 300A TO 400A AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	34,256	102,768
60	PROVIDING AND FIXING OF WIRE; CU, PVC INSULATED, S/CORE, 120 MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	70	Mtr	5,447	381,290
61	PROVIDING AND FIXING OF D. O. CUTOUT 100AMP TYPE: D AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	9	Nos	34,832	313,488
62	PROVIDING AND FIXING OF LINK; FUSE D.O CUTOUT 15A 11KV AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	5,103	10,206
63	PROVIDING AND FIXING OF LIGHTING ARRESTOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	9	Nos	24,899	224,091
64	PROVIDING AND FIXING OF PMT CHAMBER BOX AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	53,323	106,646
65	PROVIDING AND FIXING PIX-KE CASSETTE (PROT.) 630A VCB; 11KV, 630 AVCB CT RATIO 400/5, W/PROT AS PER K-ELECTRIC SPECIFICATION.	2	Nos	4,988,249	9,976,498
66	PROVIDING AND FIXING PIX-KE CASSETTE (PROT.) 630A VCB; 11KV, 630 CT 100/5, W/PROT AS PER K-ELECTRIC SPECIFICATION.	2	Nos	4,988,249	9,976,498
67	PROVIDING AND FIXING OF CLAMP; G. I D-TYPE 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	117	Nos	961	112,437



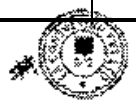
S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
68	PROVIDING AND INSTALLATION OF WIRE; CU, PVC INSULATED, S/CORE 70 MMSQ BLACK & GREEN AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	410	Mtr	3,516	1,441,560
69	PROVIDING AND FIXING OF PMT STRUCTURE 500 KVA 9' COMPLETE. AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	371,823	1,115,469
70	PROVIDING AND FIXING OF CLEAT;WOODEN (12" LONG) FOR PMT AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	12,449	37,347
71	PROVIDING AND FIXING OF CURRENT TRANSFORMER; 800/5A (FOR CHECK METER) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	24	Nos	9,892	237,408
72	PROVIDING AND FIXING OF CURRENT TRANSFORMER; 400/5A (FOR CHECK METER) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	9	Nos	8,593	77,337
73	PROVIDING AND FIXING OF TWIST TITE WIRER SEAL (PLASTIC) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	31	Nos	430	13,330
74	PROVIDING AND FIXING OF BOX; LT DB (ICTP FUSE BOX) 400 A AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	50,575	303,450
75	PROVIDING AND FIXING OF COVER; PROTECTION FOR HT BUSHING, PMT AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	9	Nos	9,118	82,062
76	PROVIDING AND FIXING OF BUSBAR ARRANGEMENT; PMT WITH PG CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5	Sets	111,806	559,030
77	PROVIDING AND FIXING OF BREAKER; LT 1600A WITH METAL PLATE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	765,613	765,613
78	PROVIDING AND FIXING OF CLEAT; WOODEN (24" LONG) FOR POWER CABLE FOR TRANSFORMER AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	12	Nos	15,113	181,356
79	PROVIDING AND FIXING OF LINK; FUSE HRC 400A AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	20	Nos	9,039	180,780
80	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.	12	Nos	16,504	198,048
81	PROVIDING AND FIXING ANGLE IRION FRAME WITH SUITABLE SIZE OF CABLE CLAMPS FOR11KV AND L.T CABLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	13,621	81,726
82	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.	2	each	291,540	583,080
83	PROVIDING AND FIXING OF BREAKER; LT 800A WITH METAL PLATE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Mtr	426,377	426,377
84	PROVIDING AND FIXING OF ELECTRODE; WELDING M.S 12 SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	KGs	1,125	2,250
85	PROVIDING AND FIXING OF BAR; COPPER EARTHING DISTRIBUTION AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	11,195	11,195

S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
86	PROVIDING AND FIXING OF LUGS COPPER 120 MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	80	Nos	1,507	120,560
87	PROVIDING AND INSTALLATION OF WIRE; P V C S/CORE 240 MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	225	Mtr	11,742	2,641,950
88	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	1	each	45,650	45,650
89	PROVIDING AND FIXINGTERMINATION O/DOOR FOR 300MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	13	Nos	37,434	486,642
90	PROVIDING AND FIXING TERMINATION INDOOR 300MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	37,434	74,868
91	PROVIDING AND FIXING BOX;JOINT, HT ST 300MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	7	Nos	120,260	841,820
92	PROVIDING AND FIXING OF INDICATOR/LOCATOR; EARTH FAULT 11KV AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	79,124	79,124
93	PROVIDING AND FIXING METER LT AMR CTO WITH GPRS MODEM AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	132,050	396,150
94	PROVIDING AND FIXING CABLE; CU L.T 4-CORE (ARM) 35MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	50	meters	8,726	436,300
95	PROVIDING AND FIXING CABLE; CU L.T 4-CORE (ARM) 70MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	70	meters	16,431	1,150,170
96	PROVIDING AND FIXING CABLE COPPER TWIN CORE PVC 10 MM2 U/A AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	303	Mtr	1,870	566,610
97	PROVIDING AND FIXING CABLE COPPER L.T. 4 CORE 16 MM2 (UN/ARM) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	800	Mtr	3,424	2,739,200
98	PROVIDING AND FIXING PIPE ; G.I 1-1/2" DIA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	40	Mtr	3,732	149,280
99	PROVIDING AND FIXING LT 4 WAY PANEL POLYMER AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Each	2,452,888	2,452,888
100	PROVIDING NOC, TEST FORM AND EIK FEE CHARGES ,PERMISION AND FITTNESS CERTIFICATE FOR TRANSFORMERS AS PER K.E SPECIFICATION AS REQUIRED FOR ENERGIZING THE SCHEME.	1697	P.KW	850	1,442,450
101	MACHINE BORING FOR EARTH PIT ,BORE 21 FEET DEEP GROUND LEVEL HARD AND SOFT SOIL AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	15	nos	65,000	975,000
102	CONSTRUCTION OF SUB-STATION AS PER K-ELECTRIC SPECIFICATION (CIVIL WORK)	1	Job	1,620,000	1,620,000
	SITE RELOCATION WORK				
103	DISMENTALLING 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 .	7	Nos	27,500	192,500
104	DISMENTALLING 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 .	12	Nos	24,500	294,000



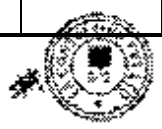
S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
105	DISMENTALLING OF STAY ROD AND RE-INSTALLATION OF EXISTING STAY ROD AFTER MAKING SUITABLE PIT AND C.C.FOUNDATION CONCRETE WITH STEEL SHUTHERING COMPLETE AS REQUIRED .	12	Nos	11,500	138,000
106	DISMENTALLING OF STRUT UNIT AND RE-INSTALLATION OF EXISTING STURT UNIT AFTER MAKING SUITABLE PIT AND C.C.FOUNDATION CONCRETE WITH STEEL SHUTHERING COMPLETE AS REQUIRED .	12	Nos	15,600	187,200
107	DISMENTALLING 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.	12	Nos	13,500	162,000
108	TRANSPORTATION FOR DISMENTALLING FOR POLE & RE-INSTALLATION POLE	12	Nos	16,540	198,480
109	DISMENTALLING 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.	28	Nos	11,650	326,200
	TOTAL AMOUNT (Rs.) =====>>>>				**89,961,717**

S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	SECTOR-25-B				
1	PROVIDING AND FIXING OF CONDUCTOR ACSR RABBIT 2 SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2000	meters	423	846,000
2	PROVIDING AND FIXING OF CONDUCTOR; ACSR DOG 3/0SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5200	meters	825	4,290,000
3	PROVIDING AND FIXING OF STRIP; SHACKLE G.I 19/13 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	46	Nos	961	44,206
4	PROVIDING AND FIXING OF ALMUNIUM WIRE; BINDING, 16SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	84	meters	3,418	287,112
5	PROVIDING AND FIXING OF STAY UNIT; HT COMPLETE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	16,399	32,798
6	PROVIDING AND FIXING OF STRIP; SHACKLE G.I 19/18 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	87	Nos	401	34,887
7	PROVIDING AND FIXING OF STRUT UNIT; COMPLETE FOR HT POLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	89,831	538,986
8	PROVIDING AND FIXING OF STRUT UNIT; COMPLETE FOR LT POLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	31	Nos	84,937	2,633,047
9	PROVIDING AND FIXING OF CLAMP; G. I D-TYPE 3-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	50	Nos	800	40,000
10	PROVIDING AND FIXING OF CLAMP; G. I D-TYPE 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	82	Nos	961	78,802
11	PROVIDING AND FIXING OF INSULATORS PIN TYPE 11 KV AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	103	Nos	8,963	923,189
12	PROVIDING AND FIXING OF PIN; FOR PIN INSULATOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	103	Nos	4,001	412,103
13	PROVIDING AND APPLYING OF OIL; TARPENTINE OIL AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	59	LITRE	650	38,350
14	PROVIDING AND APPYLING OF PAINT; SYNTHETIC ENAMAL ORANGE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	56	LITRE	2,041	114,296
15	PROVIDING AND APPLYING PAINT; ENAMEL SPL GREY AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	397	LITRE	2,041	810,277
16	PROVIDING AND APPLYING OF SHINGLE (BAJRI) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	11658	Cft	120	1,398,960
17	PROVIDING AND APPLYING OF CEMENT; BAG 50 KG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4971	KGs	40	198,840
18	PROVIDING AND FIXING OF CLAMP; SNAIL DISCONNECTION FOR 11 KV AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	70	Nos	3,905	273,350
19	PROVIDING AND FIXING OF BOLT & NUT; BRASS HEX 2X1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	104	Nos	1,280	133,120
20	PROVIDING AND FIXING OF LINE TAP; 70MM2 3/OSWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	75	Nos	1,625	121,875
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.	14	Nos	11,370	159,180
22	PROVIDING AND FIXING OF BUSBAR ARRANGEMENT; PMT WITH PG CLAMP AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5	Sets	111,806	559,030



S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
23	PROVIDING AND FIXING OF CLAMP; C-TYPE FOR 70MM CU CONDUCTOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	24	Nos	2,250	54,000
24	RE-PAINTING WORK FOR POLE; HT ST, 36'X5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	48	Nos	3,800	182,400
25	PROVIDING AND FIXING OF BOLT & NUT; G I 3"X1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	149	Nos	481	71,669
26	PROVIDING AND FIXING OF INSULATOR DISC POR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	62	Nos	8,963	555,706
27	PROVIDING AND FIXING OF BOLT & NUT; M.S 7"X1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	23	Nos	803	18,469
28	PROVIDING AND FIXING OF BOLT & NUT; M.S 7"X3/4" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	215	Nos	882	189,630
29	PROVIDING AND FIXING OF BOLT & NUT; M.S 1-1/2" X 1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	13	Nos	321	4,173
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.	302	Nos	364	109,928
31	PROVIDING AND FIXING OF 11KV KNIFE SWITCH AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5	Nos	371,568	1,857,840
32	PROVIDING AND FIXING OF BRACKET; POLE G.I C TYPE 4-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	35	Nos	2,401	84,035
33	PROVIDING RE-PAINTING WORK POLE; LT ST 31'X4-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	35	Nos	3,800	133,000
34	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	39	Nos	2,880	112,320
35	PROVIDING AND FIXING OF BRACKET; POLE G.I C TYPE 6-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	25	Nos	3,201	80,025
36	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 6-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	25	Nos	3,201	80,025
37	PROVIDING AND FIXING OF BOX; ANTI-THEFT A TYPE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	66,836	200,508
38	PROVIDING AND FIXING OF BRACKET; POLE ANTI PURCHENT S/P 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	12	Nos	28,810	345,720
39	PROVIDING AND FIXING OF BRACKET; POLE ANTI PURCHENT S/P 6-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	12	Nos	29,610	355,320
40	PROVIDING AND FIXING OF BRACKET; EARTH 8'X5-1/2 DIA. AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	7	Nos	26,409	184,863
41	PROVIDING AND FIXING OF BRACKET; POLE CH.I 14" X 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	32,011	32,011
42	PROVIDING AND FIXING OF BRACKET; PHASE HT 5' X 5-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	7	Nos	22,408	156,856
43	PROVIDING AND FIXING OF BREAKER; LT 800A WITH METAL PLATE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Mtr	426,377	426,377
44	PROVIDING AND FIXING OF CLAMP DEAD END ASSEMBLY;(BRACKET&CLAMP) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	4	Nos	5,103	20,412
45	PROVIDING AND FIXING OF PIPE; PVC 1" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	46	Mtr	257	11,822

S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
46	PROVIDING AND FIXING OF BOLT; G.I ROWAL 10MM DIA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	11	Nos	480	5,280
47	PROVIDING AND FIXING OF BOLT & NUT G.I. SIZE 2" X 1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	295	Nos	335	98,825
48	PROVIDING AND FIXING OF BRACKET; POLE G.I A TYPE 4-1/2" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	25	Nos	2,880	72,000
49	PROVIDING AND FIXING OF INSULATOR; SHACKLE 19/13 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	5	Nos	2,204	11,020
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.	659	Nos	700	461,300
51	PROVIDING AND FIXING OF INSULATOR; SHACKLE LT 19/18 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	26	Nos	1,640	42,640
52	PROVIDING AND FIXING PIPE ; G.I 1-1/2" DIA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	29	Mtr	3,732	108,228
53	PROVIDING AND INSTALLATION OF CABLE; AL XLPE ABC 3X95+70+1X25MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2800	Mtr	3,477	9,735,600
54	PROVIDING AND FIXING OF LUGS; BI-METALLIC (AL-CU) 25 MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	30	Nos	991	29,730
55	PROVIDING AND FIXING OF LUG; BIMETALLIC 95MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	72	Nos	1,217	87,624
56	PROVIDING AND FIXING OF CAP; END FOR 70MM2 CABLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	175	Nos	125	21,875
57	PROVIDING AND FIXING OF TIE; CABLE 10" (5 NOS. TIES OF EA) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2331	Nos	144	335,664
58	PROVIDING AND FIXING OF CAP; END FOR 95MM2 CABLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	158	Nos	157	24,806
59	PROVIDING AND FIXING IPC FOR BUNDLE CABLE CONNECTION AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	123	Nos	1,239	152,397
60	PROVIDING AND FIXING OF BREAKER; LT 400A WITH METAL PLATE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	125,683	125,683
61	PROVIDING AND FIXING OF BOX; BREAKER LT TYPE-2 FOR 300A TO 400A AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	34,256	102,768
62	PROVIDING AND FIXING OF WIRE; CU, PVC INSULATED, S/CORE, 120 MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	40	Mtr	5,447	217,880
63	PROVIDING AND FIXING OF D. O. CUTOUT 100AMP TYPE: D AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	9	Nos	34,832	313,488
64	PROVIDING AND FIXING OF LINK; FUSE D.O CUTOUT 15A 11KV AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	5,103	10,206
65	PROVIDING AND FIXING OF LIGHTING ARRESTOR AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	9	Nos	24,899	224,091
66	PROVIDING AND FIXING OF PANEL; INDOOR LT 8 WAY AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	2,783,056	2,783,056
67	PROVIDING AND FIXING PIX-KE CASSETTE (PROT.) 630A VCB; 11KV, 630 CT 50/5, W/PROT AS PER K-ELECTRIC SPECIFICATION.	2	Nos	4,988,249	9,976,498



S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
68	PROVIDING AND FIXING PIX-KE CASSETTE (PROT.) 630A VCB; 11KV, 630 AVCB CT RATIO 400/5, W/PROT AS PER K-ELECTRIC SPECIFICATION.	2	Nos	4,988,249	9,976,498
69	PROVIDING AND INSTALLATION OF WIRE; CU, PVC INSULATED, S/CORE 70 MMSQ BLACK & GREEN AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	155	Mtr	3,516	544,980
70	PROVIDING AND FIXING OF PMT STRUCTURE 500 KVA 9' COMPLETE. AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	371,823	1,115,469
71	PROVIDING AND FIXING OF CLEAT;WOODEN (12" LONG) FOR PMT AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	3	Nos	12,449	37,347
72	PROVIDING AND FIXING OF MEDUIM PIPE; G.I 6" DIA AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	182	Mtr	19,562	3,560,284
73	PROVIDING AND FIXING OF CURRENT TRANSFORMER; 800/5A (FOR CHECK METER) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	17	Nos	9,892	168,164
74	PROVIDING AND FIXING OF CURRENT TRANSFORMER; 400/5A (FOR CHECK METER) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	9	Nos	8,593	77,337
75	PROVIDING AND FIXING OF TWIST TITE WIRER SEAL (PLASTIC) (FOR CHECK METER) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	21	Nos	430	9,030
76	PROVIDING AND FIXING OF BOX; LT DB (ICTP FUSE BOX) 400 A AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	50,575	303,450
78	PROVIDING AND FIXING OF COVER; PROTECTION FOR HT BUSHING, PMT AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	9	Mtr	9,118	82,062
79	PROVIDING AND FIXING OF CLEAT; WOODEN (24" LONG) FOR POWER CABLE FOR TRANSFORMER AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	15,113	90,678
80	PROVIDING AND FIXING OF LUG; CU 70MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	83	Nos	720	59,760
81	PROVIDING AND FIXING OF LINK; FUSE HRC 400A AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	18	Nos	10,044	180,792
82	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.	6	Nos	16,504	99,024
83	PROVIDING AND FIXING ANGLE IRION FRAME WITH SUITABLE SIZE OF CABLE CLAMPS FOR11KV AND L.T CABLE AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	6	Nos	13,621	81,726
84	SPECIFICAL SERVICES FOR THURST BOAR CROSSING ROAD AS PER THE STANDARD OF K-ELECTRIC SPECIFICATION	290	Meter	9,250	2,682,500
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 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.	2	each	291,540	583,080
86	PROVIDING AND FIXING OF INDICATOR/LOCATOR; EARTH FAULT 11KV AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	79,124	79,124

S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
87	PROVIDING AND FIXING OF ELECTRODE; WELDING M.S 12 SWG AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	KGs	1,125	2,250
88	PROVIDING AND FIXING OF BAR; COPPER EARTHING DISTRIBUTION AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	11,195	11,195
89	PROVIDING AND FIXING OF LUGS COPPER 120 MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	56	Nos	1,507	84,392
90	PROVIDING AND INSTALLATION OF WIRE; P V C S/CORE 240 MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	125	Mtr	12,793	1,599,125
91	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	1	each	45,650	45,650
92	PROVIDING AND FIXING TERMINATION INDOOR 300MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	37,434	74,868
93	PROVIDING AND FIXING BOX;JOINT, HT ST 300MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	8	Nos	120,260	962,080
94	PROVIDING AND FIXINGTERMINATION O/DOOR FOR 300MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	8	Nos	37,434	299,472
95	PROVIDING AND FIXING TILE; CABLE WARNING 12'"X6"X1.5" AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2000	Nos	160	320,000
96	PROVIDING AND FIXING METER LT AMR CTO WITH GPRS MODEM AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	1	Nos	132,050	132,050
97	PROVIDING AND FIXING CABLE; CU L.T 4-CORE (ARM) 35MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	50	meters	8,726	436,300
98	PROVIDING AND FIXING CABLE; CU L.T 4-CORE (ARM) 70MM2 AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	70	meters	16,431	1,150,170
99	PROVIDING AND FIXING CABLE COPPER TWIN CORE PVC 10 MM2 U/A AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	244	Mtr	1,870	456,280
100	PROVIDING AND FIXING CABLE COPPER L.T. 4 CORE 16 MM2 (UN/ARM) AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	760	Mtr	3,424	2,602,240
101	PROVIDING AND FIXING OF PMT CHAMBER BOX AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	2	Nos	53,323	106,646
102	PROVIDING NOC, TEST FORM AND EIK FEE CHARGES ,PERMISION AND FITTNESS CERTIFICATE FOR TRANSFORMERS AS PER K.E SPECIFICATION AS REQUIRED FOR ENERGIZING THE SCHEME.	765	P.KW	850	650,250
103	MACHINE BORING FOR EARTH PIT ,BORE 21 FEET DEEP GROUND LEVEL HARD AND SOFT SOIL AS PER K.E SPECIFICATION AS REQUIRED AT SITE.	15	nos	65,000	975,000
104	CONSTRUCTION OF SUB-STATION AS PER K-ELECTRIC SPECIFICATION (CIVIL WORK)	1	JOB	1,620,000	1,620,000
105	WAY LEAVE APPROVAL FROM THE CONCERN CIVIC AGENCIES SUCH AS KMC / DMC, KDA WITH ALL OFFICIAL PAYMENTS AND ALL OFFICE EXPENSE.	1	Job	14,375,000	14,375,000

S.NO.	DESCRIPTION OF WORKS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	SITE RELOCATION WORK				
106	DISMENTALLING 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 .	7	Nos	27,500	192,500
107	DISMENTALLING 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 .	18	Nos	24,500	441,000
108	DISMENTALLING 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 .	18	Nos	11,500	207,000
109	DISMENTALLING 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 .	18	Nos	15,600	280,800
110	DISMENTALLING 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.	18	Nos	13,500	243,000
111	TRANSPORTATION FOR DISMENTALLING FOR POLE & RE-INSTALLATION POLE	18	Nos	16,540	297,720
112	DISMENTALLING 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.	30	Nos	11,650	349,500
	TOTAL AMOUNT (Rs.) =====>>>>				**91,821,969**