

ACCEPTANCE LETTER No: MINUTES OF CWC - I HELD ON 18-04-2024

To

VIJAYALAKSHMI ENTERPRISES,
33, VINAYAKAR KOIL STREET,
MITTANAMALLI KANDIGAI,
AVADI, IAF, CHENNAI - 600055

Dear Sirs,

Type of Work: PERCENTAGE RATE CONTRACT

Sub : **PERCENTAGE RATE CONTRACT FOR MINOR / PETTY DAILY ELECTRICAL REPAIR WORKS IN HVF ESTATE RESIDENTIAL BUILDINGS AND AMENITY BUILDINGS.**

Ref: (i) Fy Tender No. HVF/TE/13025/CEO/2023-24/72, dated 02-02-2024 with Tender ID: 2024_AVNL_184248_1
(ii) Your Bid: 675045 in this tender & Percentage reduction offered vide letters dt 01-04-2024 & 15-04-2024.

For and on behalf of the President of India, I hereby convey the acceptance of your tender by the competent financial authority for the above mentioned work for a total value of Rs. 50,00,000 /- (Rupees Fifty Lakhs Only)

1.1 Percentage **Above (+)** the unit rates in ANNEXURE - B : **(+) 04.30 %**
(Shall remain firm till completion of contract)

1.2 Validity of contract : **06-05-2025**

2. The contract is allotted with No. **HVF/CE/02/2024-25/Maint., dated 04-05-2024** which will have to be quoted by you in all future correspondence in connection with this contract.

3. In accordance with condition No. 22 of the General Condition of Contract (IAFW-2249), please submit the security deposit of Rs. 1,25,000/- (Rupees One Lakh and Twenty Five Thousand Only) in favour of "The Chief General Manager, Heavy Vehicle Factory, Avadi" as mentioned in tender condition.

The maturity date of security Deposit shall be minimum 12 months from date of the completion of contract.

4. The contract shall be governed by the terms and conditions as per the contract documents enclosed and general condition of contract MES IAFW 2249. The deviation limit shall be as per the clause No.19.1.1 & 19.1.2 of MES Contract Manual (latest revision).

5. Shri.G. Ananda Kumar, WM/IMS, is nominated as Engineer-in-Charge. Shri.D.N. Sandeep, JWM/IMS/EE(E) and Shri. S. Anandan, CM/IMS/EE(E) are nominated as Site In-charges for the subject work respectively.

6. You are requested to contact the Engineer-in-Charge within 7 days of receipt of this letter for taking over of site and to make time and progress chart. You will also maintain wage-cum-muster roll and all other records as required in Contract Labour Rules and Acts.

7. Please acknowledge receipt of this letter and return two copies duly signed by you in proof of acceptance within seven days from the date of receipt of this communication.


(K. TULASI RAO)

JT. GENERAL MANAGER / IMS

For CHIEF GENERAL MANAGER / HVF

For And On Behalf Of THE PRESIDENT OF INDIA

Copy to :

1. GM / HR, F&A, IMS, HVF, Avadi, Chennai - 600054
2. Shri.G. Ananda Kumar, WM/IMS, - Engineer -In Charge
3. Shri.D.N. Sandeep, JWM/IMS/EE(E) - Site -In Charge
4. Shri. S. Anandan, CM/IMS/EE(E) - Site -In Charge
5. Shri. Pranjit Bhagabati, DGM/IMS - Technical Examiner

IN LIEU OF IAFW-1823(REVISED)
CONTRACTORS' ORDER SHEET

Work Order/Deviation Order No	HVF/CE/02/2024-25/Maint., dated 04-05-2024
Acceptance letter No.	MINUTES OF CWC - I HELD ON 18-04-2024
Contractor's Name	VIJAYALAKSHMI ENTERPRISES
Name of the work	PERCENTAGE RATE CONTRACT FOR MINOR / PETTY DAILY ELECTRICAL REPAIR WORKS IN HVF ESTATE RESIDENTIAL BUILDINGS AND AMENITY BUILDINGS.
CA amount	Rs. 50,00,000 /-

PARTICULARS

1. Authority	CWC decision of Fy. LEVEL CWC - I
2. Brief Description of work to be carried out	As per details in sheet attached and adhering to your firm Bid No. 675045 in this tender & Price Percentage reduction offered vide email dt 02-04-2024 & 16-04-2024 in HVF/TE/13025/CEO/2023-24/72, dated 02-02-2024, with Tender ID: 2024_AVNL_184248_1 for all Terms & Conditions therein & rate quoted in Schedule 'A' enclosed with tender documents.
3. Time effect	
a. Date of handing over of the site	06/05/2024
b. Date of commencement of work	06/05/2024
c. Date of Completion as per contract	06/05/2025
d. Date for completion shown in previous Orders	NA
e. Revised date of completion	NA
4. Financial effect (Rs.)	
a. Present order	Rs. 50,00,000 /-
b. Percentage wrt the unit rates in Annexure – B (shall remain firm till completion of Contract).	(+) 04.30 %
c. Contract amount as adjusted by previous orders.	NA
d. Contract amount adjusted up to and including this order.	NA
5. Expenditure to be booked under code Head No	809/02 (Under Revenue Grant)
6. Certified that no special rate is involved	
7. Technical Examiner	Shri. Pranjit Bhagabati, DGM/IMS
8. Approved	Shri. K. Tulasi Rao, Jt.GM / IMS
9. Accepted	VIJAYALAKSHMI ENTERPRISES


(K. TULASI RAO)

JT. GENERAL MANAGER / IMS
For CHIEF GENERAL MANAGER / HVF
For And On Behalf Of THE PRESIDENT OF INDIA

Distribution to :--

- 1) VIJAYALAKSHMI ENTERPRISES
- 2) GM / HR, F&A, IMS, HVF, Avadi, Chennai – 600054
- 3) Sr. Security Officer
- 4) Shri.G. Ananda Kumar, WM/IMS, - Engineer -In Charge
- 5) Shri.D.N. Sandeep, JWM/IMS/EE(E) & Shri. S. Anandan, CM/IMS/EE(E) - Site -In Charges
- 6) Shri. Pranjit Bhagabati, DGM/IMS, - Technical Examiner
- 7) HOS/Safety, 8) HOS/Internal Audit cell, 9) HOS/Test Audit, 10)ALWC,
- 11) Chief Commissioner of Central Excise, 26/1, Mahatma Gandhi Road, Nungambakkam, Chennai – 600034.
- 12) Dy.Chief Labour Commissioner(c), No:26, III Block, 5th floor, Shastri Bhavan, Haddows Road, Nungambakkam, Chennai – 600006.

SCHEDULE – "A"						
Tender Number:	Item Description	Quantity	Unit	Net Percentage	Value of Work / Unit	Total Cost
HVF/TE/13025/ CEO/2023-24/72, dt 02-02-2024	PERCENTAGE RATE CONTRACT FOR MINOR / PETTY DAILY ELECTRICAL REPAIR WORKS IN HVF ESTATE RESIDENTIAL BUILDINGS AND AMENITY BUILDINGS. (The list of items to be used / work to be done are enclosed as Annexure B of the Tender / Contract).	1.00	Whole Job	(+) 04.30 %	50,00,000 /-	50,00,000 /-
Gross Total in Rs.				Rs. 50,00,000 /-		



(K. TULASI RAO)

JT. GENERAL MANAGER / IMS

For CHIEF GENERAL MANAGER / HVF

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TERMS & CONDITIONS:

1 Special Condition: The Material required for the subject work which be brought inside the factory by the contractors, should be noted along with challan / vouchers etc., and a copy of the same are to be given to the engineering office for record and copy to be submitted to the contractors along with the bill while claiming the payment.

2 Payment Clause: The contractor has to pay the minimum daily wages to the skilled/semi skilled/unskilled labourers engaged in their work as has been specified by the Government, latest rate and displayed in the wages notice Board at factory.

3 Safety Clause: Annexure-B of MES Safety Code, IAFW 2249 must be observed in general. Work Permit shall be obtained for overhead/hazardous work condition. All the safety precautions/measures have to be taken by the contractor. However, a few points of safety measures to be followed for working at height and on the roof are mentioned hereby :

Use of safety belt and helmet of proper quality is mandatory for all workers working on roofs at height of above 5.00 meters and also in the underground areas. Safety belt with life line should be properly tied at some firm support.

(i) In case any difficulty is faced in proper fastening and securing of safety belt, a safety net may be provided below the work spot so that in case of accident fall, there might not be any fatality.

(ii) A crawling ladder or roof walker must be used for movement on Asbestos/CGI roofing.

(iii) Work Permit system should be followed in proper spirit. Contractors shall start the work after obtaining the Work Permit, wherever applicable. Contractor's supervisor and site-in-charge should brief on safety precautions to be observed by the workmen before start of the work. The workers should be clearly explained about the danger of standing or sitting on an apparently stout & new and neat looking asbestos/CGI sheet which is intrinsically weak.

(iv) The contractor shall clear the site after completion of work.

(v) The contractor must employ the labour force duly insured against life risk.

(vi) The contractors shall ensure compliance of all applicable statutory rules and regulations.

4 DEVIATION CLAUSE:

(i) $\pm 25\%$ of value of individual item other than freakishly rate quoted items.

(ii) For freakishly higher or lower rate quoted items it shall be $\pm 5\%$.

(iii) 20% of Work Order value (Contract value maximum Rs.10 lakhs)
10% of Work Order value (Contract value exceeding Rs.10 lakhs)


(K. TULASI RAO)

JT. GENERAL MANAGER / IMS

For CHIEF GENERAL MANAGER / HVF

For And On Behalf Of THE PRESIDENT OF INDIA

ANNEXURE-A

SAFETY POINTS TO BE FOLLOWED BY THE CONTRACTOR:

1	Working with Safety is the responsibility of every worker individually and collectively. The contractor will be fully responsible for safe working at site.
2	Contractors should ensure that workers under his control do not come to work under the influence of intoxicants. Any worker found on duty under the influence of liquor or of intoxicating drugs, will be liable to severe disciplinary action / removal from site.
3	The contractor shall ensure of necessary shut- down where ever there are hazards of gases, electricity, moving machineries etc.. by the executing department & also ensure that these shutdown clearances are taken in writing before sending workers to such locations.
4	Height Pass (Permit for working at heights) and Safety permit must be obtained by the contractor from Safety Section / HVF, before commencement of the work and the same shall be handed over to Engineer In-Charge (EIC).
5	Every worker who is to be deployed for working at height must submit a certificate from a Government Doctor that he has been examined for physical and mental fitness and certified to be fit. This certificate is to be produced every six months. The fitness will include freedom from (1) Epilepsy (2) High BP (3) Obesity (4) Vertigo along with general fitness and good eye sight.
6	The persons engaged by the contractor must have the training certificate of working at heights issued by a reputed institution.
7	All work at height must be carried out under the supervision of an Experienced and Trained Supervisory Team wherein the workers and Supervisory staff are well conversant with use of Personnel Protective Equipments (PPE's).
8	There must be one supervisor to exclusively monitor the activities of workers at the roof to ensure that all people are adhering to all safety precautions like laying of net at top of roof, safety belt and fall arrestor tied with lifeline in addition to the supervisor at ground work spot.
9	List of PPEs proposed to be used along with Test Certificate of the same must be submitted by the Contractor to EIC before start of work.
10	The safety of Men and Material is the entire responsibility of the Contractor. The Workers must limit their movement to the designated work areas and not loiter around.
11	The contractor must take Insurance policy for workman covering workman's compensation act and submit the copy of the same to EIC before commencement of work.
12	The Contractor should commence the work only after clearance for starting the work is given by EIC / SIC / Safety Section representative / User Section representative / Service section representative (if involved) in writing after ensuring compliance of all safety instructions, safe work conditions and regulations. It must be ensured that all safety requirements like use of Safety belts, full body harness, Life line Protection, Helmets, Safety nets etc.. in place and ready to be used by their labours.
13	The Contractor must use BOOM lift for Climbing up / down from heights.
14	Before Commencement of work at height all moving equipments under roof sheet where work is to be carried out shall be shut.
15	Workers should be conversant with the use of Retractable fall arrestor, life line, safe work ladder, duck ladder, crawling board , Helmets etc.. The work of fixing safety net must be carried out by experienced person and precaution be taken so that net is fixed to a structural member sufficiently strong to bear at least one ton load and on sagging under the load of fall the net must not strike a machine structure or part of building or crane.
16	Ladders, if used, must have a nylon rope for tying on top and bottom with suitable self locking hooks, screws, rings etc.,
17	Use of Anchor plates to fix the lifeline etc must be done wherever necessary / feasible

18	In case the site conditions demands, a Safety Net may be fixed firmly on the fragile roof with the help of J-Bolts and this must be used for taking a life line. Proper training for the above must be imparted by the contractor to workers working on fragile roof and in any case fragile roof must not be taken for granted as safe.
19	During climbing on roof or on electrical pole using ladder or otherwise precautions must be taken to use two self locking hooks with lifelines and as climbing these hooks should be alternatively attached and detached with the cross bars / foot bars to prevent any eventual fall due to slippage. After reaching the roof of the top end of the ladder must be tied to the pole / fixed structure on top of the roof and work should be started thereafter.
20	The workers working at height must be cautioned not to allow leaving of loose items like broken sheets over the roof after completion of work.
21	Before starting the work, the area of work at height must be clearly defined and accordingly safety net of sufficient size should be put covering an area of 2.5 meters beyond the working area on all sides. The area of work at height and the approach also to be earmarked. The workers must specifically follow the specified route to reach the work area. If approach route is not firm than appropriate PPE as mentioned above must be used to ensure safety at work.
22	The Engineer in-charge executing the contract upon his satisfaction that the Contractor is not performing as per the safety requirements may direct stoppage of work. The contractor shall not proceed with the work until he has complied with such directions to the satisfaction of concerned Engineer in-charge.
23	On getting a Verbal intimation from Safety Section representatives / User Section representative regarding in any lapses in safety by the Contractor or his workers, the work should be stopped immediately. The verbal intimation must be followed up with written statement to civil section (Executing Section). After receiving the written statement from above representative, the EIC may pass orders wherein the contractor shall be liable for penalty of Rs.5000/- for the first violation, Rs. 10000/- for the second violation and Rs. 20000 /- for the Third Violation. For the Fourth violation his contract shall be liable cancelled and to be debarred from further contracts. The penalty / fine amounts will have to be deposited by Contractor in the form of MRO and the MRO will be handed over by the contractor to the EIC.
24	Suitable scaffolding should be provided for workmen for all works that cannot be safely be done from the ground or from solid construction.
25	While standing on the valley gutter, the safety belt should be worn and the life line should be tied to the purlin of the adjacent bay
26	In case the Contractor need to engage material handling equipments from outside, the following documents are required to be submitted to HVF without fail ; - Competent person certificate issued by Competent Person approved by the Directorate of Industrial Safety and health. - Registration certificate of the equipments - Lifting tackles like wire rope, slings are also to be certified by the Competent person as they are part of the lifting material handling equipments. - The valid driving licenses of the driver who operates the material handling equipments.


(K. TULASI RAO)
JT. GENERAL MANAGER / IMS
For CHIEF GENERAL MANAGER / HVF
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ANNEXURE – B

NAME OF WORK: PERCENTAGE RATE CONTRACT FOR MINOR / PETTY DAILY ELECTRICAL REPAIR WORKS IN HVF ESTATE RESIDENTIAL BUILDINGS AND AMENITY BUILDINGS

Schedule of items to be used for Work with Rates:-

Sl.No	DESCRIPTION	Unit	Rate (in Rs.)
1	Material & Labour for Cross arms, bracings, supports, clamps and back plates fabricated from structural steel sections including nuts, bolts, washers, welding, bending cold or hot, drilling holes for bolts, in any shape or size as indicated or directed and inclusive of one primer coat, one under coat and one finishing coat of paint.	Per Quintal	11931.40
2	Fixing only for Cross arms, bracings, supports, clamps and back plates fabricated from structural steel sections including nuts, bolts, washers, welding, bending cold or hot, drilling holes for bolts, in any shape or size as indicated or directed and inclusive of one primer coat, one under coat and one finishing coat of paint.	Per Quintal	5547.80
3	Material & labour for fixing of Pin type, porcelain, vitreous, white, brown or green insulator including one galvanised mild steel spindle, two galvanised iron washers and one galvanised iron nut, 150mm height, 150mm dia for 11000 volts grade.	Each	298.40
4	Fixing only of Pin type, porcelain, vitreous, white, brown or green insulator including one galvanised mild steel spindle, two galvanised iron washers and one galvanised iron nut, 150mm height, 150mm dia for 11000 volts grade.	Each	94.30
5	Material & Labour for Disc type insulator, porcelain, vitreous 145mm high and 255mm dia ball and socket type, white, brown or green, single disc assembly for tension with tension clamps for conductors, working pressure 11000 volts.	Each	1433.20
6	Labour only for fixing Disc type insulator, porcelain, vitreous 145mm high and 255mm dia ball and socket type, white, brown or green, single disc assembly for tension with tension clamps for conductors, working pressure 11000 volts.	Each	283.70
7	Material & Labour for Danger notice plate of 1.6mm thick mild steel sheet, vitreous enameled white, with letters, figures and conventional skull and bones in signal red colour and fixed with M.S. clamps, bolts and nuts of approved size, for LT, 20x15cm size.	Each	131.60
8	Material & Labour for Danger notice plate of 1.6mm thick mild steel sheet, vitreous enameled white, with letters, figures and conventional skull and bones in signal red colour and fixed with M.S. clamps, bolts and nuts of approved size, for HT, 25x20cm size.	Each	223.80
9	Material & Labour for Cable jointing kit for 11 KV (Earthed) grade cable for indoor termination heat shrink type joint complete with jointing material and accessories suitable for 3 core XLPE armoured aluminium conductor cable of size 120 sq.mm to 185 sq.mm.	Each	6372.90
10	Material & Labour for Cable jointing kit for 11 KV (Earthed) grade cable for indoor termination heat shrink type joint complete with jointing material and accessories suitable for 3 core XLPE armoured aluminium conductor cable of size 240 sq.mm to 300 sq.mm.	Each	7254.40
11	Material & Labour for Cable jointing kit for 11 KV (Earthed) grade cable for outdoor termination heat shrink type joint complete with jointing material and accessories suitable for 3 core XLPE armoured aluminium conductor cable of size 120 sq.mm to 300 sq.mm.	Each	7632.10
12	Material & Labour for Cable jointing kit for 11 KV (Earthed) grade cable for straight through heat shrink type joint complete with jointing material and accessories suitable for 3 core XLPE armoured aluminium conductor cable of size 120 sq.mm to 185 sq.mm.	Each	17416.80

Sl.No	DESCRIPTION	Unit	Rate (in Rs.)
13	Material & Labour for Cable jointing kit for 11 KV (Earthed) grade cable for straight through heat shrink type joint complete with jointing material and accessories suitable for 3 core XLPE armoured aluminium conductor cable of size 240 sq.mm to 400 sq.mm.	Each	19735.20
14	Supply and laying or fixing or passing through pipe, 1100 volts grade heavy duty cable with PVC insulated aluminium conductor served with an inner sheathing of PVC tape armoured with galvanised steel wire or tape and overall PVC sheathed 10 sq. mm nominal cross section in service connections stranded conductor 4 core (Make: Gloster/Nicco/ Havells/ Finolex/ Orbit/ Polycab/ Paragon) or Suitably equivalent make as approved by EIC.	RM	196.00
15	Supply and laying or fixing or passing through pipe, 1100 volts grade heavy duty cable with PVC insulated aluminium conductor served with an inner sheathing of PVC tape armoured with galvanised steel wire or tape and overall PVC sheathed 16 sq. mm nominal cross section in service connections stranded conductor 4 core. (Make: Gloster/Nicco/ Havells/ Finolex/ Orbit/ Polycab/ Paragon) or Suitably equivalent make as approved by EIC.	RM	215.00
16	Supply, laying or fixing with suitable clamps or passing through pipe, PVC insulated, armoured, heavy duty electric cable with aluminium conductor, 1100 volts grade, cross sectional area 70 sq.mm, 3.5core. (Make: Gloster/Nicco/ Havells/ Finolex/ Orbit/ Polycab/ Paragon) or Suitably equivalent make as approved by EIC.	RM	382.34
17	Supply, laying or fixing with suitable clamps or passing through pipe, PVC insulated, armoured, heavy duty electric cable with aluminium conductor, 1100 volts grade, cross sectional area 50 sq.mm, 3.5core. (Make: Gloster/Nicco/ Havells/ Finolex/ Orbit/ Polycab/ Paragon) or Suitably equivalent make as approved by EIC.	RM	292.78
18	Supply, laying or fixing with suitable clamps or passing through pipe, PVC insulated, armoured, heavy duty electric cable with aluminium conductor, 1100 volts grade, cross sectional area 35 sq.mm, 3.5core. (Make: Gloster/Nicco/ Havells/ Finolex/ Orbit/ Polycab/ Paragon) or Suitably equivalent make as approved by EIC.	RM	235.27
19	Supply, laying or fixing with suitable clamps or passing through pipe, PVC insulated, armoured, heavy duty electric cable with aluminium conductor, 1100 volts grade, cross sectional area 25 sq.mm, 4 core. (Make: Gloster/Nicco/Havells/ Finolex/Orbit/Polycab/ Paragon) or Suitably equivalent make as approved by EIC.	RM	206.99
20	Dismantling concrete poles/ struts, any size dismantling and setting aside for reuse within 50 metres.	Each	882.60
21	Dismantling concrete poles/ struts, any size transporting to store and stacking.	Each	1300.60
22	Dismantling insulators any type, any size.	Each	68.40
23	Material and labour for Brick walls cutting chases, pining in, making good to facing where required and pointing in cement mortor 1:3 to ends and cutting chases for concealed conduit wiring, etc., and making good, cutting exc. 10cm but not exc. 20cm girth.	RM	52.10
24	Demolition of cement concrete of any description and in any position unreinforced.	m3	1631.30
25	Material and labour for cement concrete 1:2:4 Type B1 using 20mm graded aggregate in foundations, filling and mass concrete.	m3	6533.33
26	Excavating in trenches hard dense soil not exceeding 1.5 m wide and not exceeding 1.5 m in depth for laying cable.	m3	675.00
27	Material & labour for sand filling for cushioning on U.G cable.	m3	1974.30
28	Material &labour for Bricks; common burnt clay building bricks sub class B designation 75, Old size bricks for protection to U.G cable.	Nos. in 1000	5551.88

Sl.No	DESCRIPTION	Unit	Rate (in Rs.)
29	Returning, refilling in the excavated trench after laying of power cable including spreading leveling, watering and well ramming in layers not exc. 25 cm, hard dense soil.	m3	139.10
30	Supply & fixing of galvanised steel tubes, medium grade 80mm dia.	RM	551.20
31	Supply & fixing of galvanised steel tubes, medium grade 50mm dia.	RM	305.00
32	Supply & fixing of galvanised steel tubes, medium grade 40mm dia.	RM	287.10
33	Brick works with subclass 'B' bricks straight/curved on plan exc. 6m mean radius built in (Cement mortar 1:4).	m3	5370.50
34	Rendering 10mm thickness on fair faces of brick work surfaces. (Cement plaster 1:4).	m2	204.80
35	Material and labour painting of street light pole / terminal boxes preparation old painted surfaces and priming with one coat of Aluminium red-oxide with two coat of Aluminium paint.	m2	135.30
36	Material & Labour for MCCB 3 Pole, 415 V, fixed type, 25 to 100 Amps with breaking capacity 16 KA (Make: ABB/ Havells/ Legrand/ L&T/ Schneider/ Hager/ Siemens) or Suitably equivalent make as approved by EIC.	Each	3824.81
37	Material & Labour for MCCB 3 Pole, 415 V, fixed type, 125 Amps with breaking capacity 16 KA (Make: ABB/ Havells/ Legrand/ L&T/ Schneider/ Hager/ Siemens) or Suitably equivalent make as approved by EIC.	Each	4572.98
38	Material & Labour for MCCB 3 Pole, 415 V, Adjustable type, 160 Amps with breaking capacity 36 KA (Make: ABB/ Havells/ Legrand/ L&T/ Schneider/ Hager/ Siemens) or Suitably equivalent make as approved by EIC.	Each	9395.10
39	Material & Labour for MCCB 3 Pole, 415 V, Adjustable type, 200 Amps with breaking capacity 36 KA (Make: ABB/ Havells/ Legrand/ L&T/ Schneider/ Hager/ Siemens) or Suitably equivalent make as approved by EIC.	Each	12119.70
40	Material & Labour for MCCB 3 Pole, 415 V, Adjustable type, 250 Amps with breaking capacity 36 KA (Make: ABB/ Havells/ Legrand/ L&T/ Schneider/ Hager/ Siemens) or Suitably equivalent make as approved by EIC.	Each	12986.10
41	Material & Labour for MCCB 3 Pole, 415 V, Adjustable type, 400 Amps with breaking capacity 36 KA (Make: ABB/ Havells/ Legrand/ L&T/ Schneider/ Hager/ Siemens) or Suitably equivalent make as approved by EIC.	Each	14234.60
42	Material & Labour for MCCB 4 Pole, 415 V, Adjustable type, 160 Amps with breaking capacity 36 KA (Make: ABB/ Havells/ Legrand/ L&T/ Schneider/ Hager/ Siemens) or Suitably equivalent make as approved by EIC.	Each	8395.60
43	Material & Labour for MCCB 4 Pole, 415 V, Adjustable type, 400 Amps with breaking capacity 36 KA (Make: ABB/ Havells/ Legrand/ L&T/ Schneider/ Hager/ Siemens) or Suitably equivalent make as approved by EIC.	Each	17544.10
44	Material & Labour for MCCB 3 Pole, 415 V, with Microprocessor release 160 Amps with breaking capacity 36 KA (Make: ABB/ Havells/ Legrand/ L&T/ Schneider/ Hager/ Siemens) or Suitably equivalent make as approved by EIC.	Each	9104.50
45	Material & Labour for MCCB 3 Pole, 415 V, with Microprocessor release 250 Amps with breaking capacity 36 KA (Make: ABB/ Havells/ Legrand/ L&T/ Schneider/ Hager/ Siemens) or Suitably equivalent make as approved by EIC.	Each	17351.10
46	Material & Labour for MCCB 3 Pole, 415 V, with Microprocessor release 400 Amps with breaking capacity 36 KA (Make: ABB/ Havells/ Legrand/ L&T/ Schneider/ Hager/ Siemens) or Suitably equivalent make as approved by EIC.	Each	19887.30
47	Material & Labour for MCCB 4 Pole, 415 V, with Microprocessor release 400 Amps with breaking capacity 36 KA (Make: ABB/ Havells/ Legrand/ L&T/ Schneider/ Hager/ Siemens) or Suitably equivalent make as approved by EIC.	Each	22395.90

Sl.No	DESCRIPTION	Unit	Rate (in Rs.)
48	Supply & Fixing of MCCBs 415V, 16KA, 4 Pole, 16A to 63A (Make: ABB/ Havells/ Legrand/ L&T/ Schneider/ Hager/ Siemens) or Suitably equivalent make as approved by EIC.	Each	4024.10
49	Supply & Fixing of MCCBs 415V, 16KA, 4 Pole, 100A (Make: ABB/ Havells/ Legrand/ L&T/ Schneider/ Hager/ Siemens) or Suitably equivalent make as approved by EIC.	Each	4328.70
50	Supply & Fixing of MCCBs 415V, 16KA, 4 Pole, 125A (Make: ABB/ Havells/ Legrand/ L&T/ Schneider/ Hager/ Siemens) or Suitably equivalent make as approved by EIC.	Each	4617.65
51	Labour only for Fixing of MCCBs 415V, 4 Pole, 16A to 125A.	Each	217.20
52	Supplying and fixing 1100 volts grade heavy duty cable PVC insulated aluminium conductor, served with inner sheathing of PVC tape and overall PVC sheathed in service connections suspended by insulating hangers not more than 1 metre apart including 4 mm suspension wire, one twin core cable flat or circular size of 4 sq.mm aluminium stranded conductor.	RM	37.50
53	Supply and fixing LED street light fitting 24 to 35 Watt 230 V AC outdoor type with high pressure die cast aluminum housing and heat resistant complete with driver, lamp bracket with impact and corrosion resistant including thermal management in multiple optics complete with IP 65/66 protection complete. (Make: Havells/ Philips/ Wipro/ Bajaj/ CG/ Luker) or Suitably equivalent make as approved by EIC.	Each	2966.25
54	Supply and fixing LED street light fitting 70 Watt 230 V AC outdoor type with high pressure die cast aluminum housing and heat resistant complete with driver, lamp bracket with impact and corrosion resistant including thermal management in multiple optics complete with IP 65/66 protection complete. (Make: Havells/ Philips/ Wipro/ Bajaj/ CG/ Luker) or Suitably equivalent make as approved by EIC.	Each	5942.10
55	Supply and fixing LED street light fitting 120 Watt 230 V AC outdoor type with high pressure die cast aluminum housing and heat resistant complete with driver, lamp bracket with impact and corrosion resistant including thermal management in multiple optics complete with IP 65/66 protection complete. (Make: Havells/ Philips/ Wipro/ Bajaj/ CG/ Luker) or Suitably equivalent make as approved by EIC.	Each	10606.95
56	Fixing only of LED street light fitting 24 to 120 Watts 230 V AC outdoor type with high pressure die cast aluminum housing and heat resistant complete with driver, lamp bracket with impact and corrosion resistant including thermal management in multiple optics complete with IP 65/66 protection complete.	Each	163.67
57	Supply and fixing LED flood light 100 watt 230 V AC outdoor type with thermal management in multiple optics and equipped with IP66 protection, with impact and corrosion resistant complete with driver and lamp (Make: Havells/ Philips/ Wipro/ Bajaj/ CG/ Luker) or Suitably equivalent make as approved by EIC.	Each	10486.31
58	Supply and fixing LED flood light 200/210 watt 230 V AC outdoor type with thermal management in multiple optics and equipped with IP66 protection, with impact and corrosion resistant complete with driver and lamp (Make: Havells/ Philips/ Wipro/ Bajaj/ CG/ Luker) or Suitably equivalent make as approved by EIC.	Each	20252.62
59	Fixing only of LED flood light 100 to 210 watt 230 V AC outdoor type with thermal management in multiple optics and equipped with IP66 protection, with impact and corrosion resistant complete with driver and lamp.	Each	143.68
60	Supply and fixing post top lantern LED type 30 to 40 watt 230 watt volts AC outdoor type with decorative post top for 360 degree indirect light IP 65 protection with impact and corrosion resistant complete with driver and lamp complete.	Each	9997.99

Sl.No	DESCRIPTION	Unit	Rate (in Rs.)
61	Taking down copper/aluminium point wiring (light, fan, socket or power) complete, including fixture and fittings such as switches, ceiling roses, pendants, regulators, sockets, light fitting etc. removing materials to store for keeping in safe custody or for taking credit (credit for above items should be made as per conditions separately) and making good disturbed surfaces of walls, floors, etc.	Point	152.00
62	Material and labour for Point wiring with FRLS insulated sheathed single core cable 1100V grade confirming to IS 694 multi strand copper conductor along with 2mm thick PVC conduit accessories run on wall or roof including M.S. switch box concealed in the wall (made out of 3mm thick sheet) and laminated sun mica sheet 3mm thick cover for housing the switches, regulators and plug socket etc., mount on a wall/roof etc. including 1.5 sq.mm bare copper earth continuity wire. (Make: Finolex/ kundan/ Orbit/ Polycab) or Suitably equivalent make as approved by EIC. a) One light/fan/bell/ex.fan point controlled by one switch with cables 1.5 sq.mm size.	Point	992.75
63	Material and labour for Point wiring with FRLS insulated sheathed single core cable 1100V grade confirming to IS 694 multi strand copper conductor along with 2mm thick PVC conduit accessories run on wall or roof including M.S. switch box concealed in the wall (made out of 3mm thick sheet) and laminated sun mica sheet 3mm thick cover for housing the switches, regulators and plug socket etc., mount on a wall/roof etc. including 1.5 sq.mm bare copper earth continuity wire. (Make: Finolex/ kundan/ Orbit/ Polycab) or Suitably equivalent make as approved by EIC. b) One light point controlled by two 2 - way switches, with cables 1.5 sq. mm size.	Point	1397.96
64	Material and labour for Point wiring with FRLS insulated sheathed single core cable 1100V grade confirming to IS 694 multi strand copper conductor along with 2mm thick PVC conduit accessories run on wall or roof including M.S. switch box concealed in the wall (made out of 3mm thick sheet) and laminated sun mica sheet 3mm thick cover for housing the switches, regulators and plug socket etc., mount on a wall/roof etc. including 1.5 sq.mm bare copper earth continuity wire. (Make: Finolex/ kundan/ Orbit/ Polycab) or Suitably equivalent make as approved by EIC. c) One 3 pin socket outlet 5 amps on the same board with other switches, with cables 1.5 sq.mm size.	Point	284.10
65	Material and labour for Point wiring with FRLS insulated sheathed single core cable 1100V grade confirming to IS 694 multi strand copper conductor along with 2mm thick PVC conduit accessories run on wall or roof including M.S. switch box concealed in the wall (made out of 3mm thick sheet) and laminated sun mica sheet 3mm thick cover for housing the switches, regulators and plug socket etc., mount on a wall/roof etc. including 2.5 sq.mm bare copper earth continuity wire. (Make: Finolex/ kundan/ Orbit/ Polycab) or Suitably equivalent make as approved by EIC. d) One 3 pin socket outlet 5 amps independent, with cables 2.5 sq.mm size.	Point	1131.39
66	Material and labour for Point wiring with FRLS insulated sheathed single core cable 1100V grade confirming to IS 694 multi strand copper conductor along with 2mm thick PVC conduit accessories run on wall or roof including M.S. switch box concealed in the wall (made out of 3mm thick sheet) and laminated sun mica sheet 3mm thick cover for housing the switches, regulators and plug socket etc., mount on a wall/roof etc. including 4 sq.mm bare copper earth continuity wire. (Make: Finolex/ kundan/ Orbit/ Polycab) or Suitably equivalent make as approved by EIC. e) One 3 pin socket outlet. 15 amps, independent, with cables 4 sq. mm size.	Point	1930.50

Sl.No	DESCRIPTION	Unit	Rate (in Rs.)
67	Labour for Point wiring with FRLS insulated sheathed single core cable 1100V grade confirming to IS 694 multi strand copper conductor along with 2mm thick PVC conduit accessories run on wall or roof including M.S. switch box concealed in the wall (made out of 3mm thick sheet) and laminated sun mica sheet 3mm thick cover for housing the switches, regulators and plug socket etc., mount on a wall/roof etc. including 1.5 sq.mm bare copper earth continuity wire. a) One light/fan/bell/exhaust fan point controlled by one switch with cables 1.5 sq.mm size.	Point	470.93
68	Labour for Point wiring with FRLS insulated sheathed single core cable 1100V grade confirming to IS 694 multi strand copper conductor along with 2mm thick PVC conduit accessories run on wall or roof including M.S. switch box concealed in the wall (made out of 3mm thick sheet) and laminated sun mica sheet 3mm thick cover for housing the switches, regulators and plug socket etc., mount on a wall/roof etc. including 1.5 sq.mm bare copper earth continuity wire. b) One light point controlled by two 2 - way switches, with cables 1.5 sq. mm size.	Point	522.40
69	Labour for Point wiring with FRLS insulated sheathed single core cable 1100V grade confirming to IS 694 multi strand copper conductor along with 2mm thick PVC conduit accessories run on wall or roof including M.S. switch box concealed in the wall (made out of 3mm thick sheet) and laminated sun mica sheet 3mm thick cover for housing the switches, regulators and plug socket etc., mount on a wall/roof etc. including 1.5 sq.mm bare copper earth continuity wire. c) One 3 pin socket outlet 5 amps on the same board with other switches, with cables 1.5 sq.mm size.	Point	233.61
70	Labour for Point wiring with FRLS insulated sheathed single core cable 1100V grade confirming to IS 694 multi strand copper conductor along with 2mm thick PVC conduit accessories run on wall or roof including M.S. switch box concealed in the wall (made out of 3mm thick sheet) and laminated sun mica sheet 3mm thick cover for housing the switches, regulators and plug socket etc., mount on a wall/roof etc. including 2.5 sq.mm bare copper earth continuity wire. d) One 3 pin socket outlet 5 amps independent, with cables 2.5 sq.mm size.	Point	470.93
71	Labour for Point wiring with FRLS insulated sheathed single core cable 1100V grade confirming to IS 694 multi strand copper conductor along with 2mm thick PVC conduit accessories run on wall or roof including M.S. switch box concealed in the wall (made out of 3mm thick sheet) and laminated sun mica sheet 3mm thick cover for housing the switches, regulators and plug socket etc. mount on a wall/roof etc. including 4 sq.mm bare copper earth continuity wire. e) One 3 pin socket outlet. 15 amps, independent, with cables 4 sq. mm size.	Point	548.15
72	Supply and fixing LED lights fitting 1x 20W, 220V, AC decorative box type with driver, holder including LED tube light connecting up with three core flexible copper conductor cable of suitable size from ceiling rose complete (Make: Havells/ Philips/ Wipro/ Bajaj/ CG/ Luker) or Suitably equivalent make as approved by EIC.	Each	1305.40
73	Supply and fixing LED light fitting mirror type with high output diffuser 2 feet, 10 watt 220 V AC decorative type with driver holder and LED lamp including connecting up with three core flexible copper conductor cable of suitable size complete (Make: Havells/ Philips/ Wipro/ Bajaj/ CG/ Luker) or Suitably equivalent make as approved by EIC.	Each	1354.81

Sl.No	DESCRIPTION	Unit	Rate (in Rs.)
74	Supply and fixing LED luminaire 600 mm x 600 mm, 35/36 watt, 220 V AC recessed type with high efficiency PMMA diffuser soft glare free light complete with driver, holders & LED lamp suitable for roof ceiling including connecting up with driver three core flexible copper conductor cases of suitable size complete (Make: Havells/ Philips/ Wipro/ Bajaj/ CG/ Luker) or Suitably equivalent make as approved by EIC.	Each	4269.19
75	Supply and fixing round shape 6 watt 220 volts AC recessed type with high efficiency PMMA diffuser soft glare free light complete with drivers, holders, LED lamp suitable for roof ceiling including connecting up with three core flexible copper conductor cable of suitable size complete. (Make: Havells/ Philips/ Wipro/ Bajaj/ CG/ Luker) or Suitably equivalent make as approved by EIC.	Each	720.00
76	Supply and fixing round shape 15 watt 220 volts AC recessed type with high efficiency PMMA diffuser soft glare free light complete with drivers, holders, LED lamp suitable for roof ceiling including connecting up with three core flexible copper conductor cable of suitable size complete. (Make: Havells/ Philips/ Wipro/ Bajaj/ CG/ Luker) or Suitably equivalent make as approved by EIC.	Each	1061.82
77	Supply & Fixing of LED light fitting 1 x 9W / 1 X 10W bulkhead luminaires including LED light driver holder connecting up with three core flexible copper conductor cable, of suitable size. (Make: Havells/ Philips/ Wipro/ Bajaj/ CG/ Luker) or Suitably equivalent make as approved by EIC.	Each	1389.85
78	Fixing only LED lights fitting 1x 20W, 220V, AC decorative box type with driver, holder including LED tube light connecting up with three core flexible copper conductor cable of suitable size from ceiling rose complete.	Each	75.25
79	Fixing LED light fitting mirror type with high output diffuser 2 feet, 10 watt 220 V AC decorative type with driver holder and LED lamp including connecting up with three core flexible copper conductor cable of suitable size complete.	Each	75.25
80	Fixing LED luminaire 600 mm x 600 mm, 35/36 watt, 220 V AC recessed type with high efficiency PMMA diffuser soft glare free light complete with driver, holders & LED lamp suitable for roof ceiling including connecting up with driver three core flexible copper conductor cases of suitable size complete.	Each	75.25
81	Fixing round shape 6 watt 220 volts AC recessed type with high efficiency PMMA diffuser soft glare free light complete with drivers, holders, LED lamp suitable for roof ceiling including connecting up with three core flexible copper conductor cable of suitable size complete.	Each	75.25
82	Fixing round shape 15 watt 220 volts AC recessed type with high efficiency PMMA diffuser soft glare free light complete with drivers, holders, LED lamp suitable for roof ceiling including connecting up with three core flexible copper conductor cable of suitable size complete.	Each	75.25
83	Fixing only of LED light fitting 1x9W/1X10W bulkhead luminaires including LED light driver holder connecting up with three core flexible copper conductor cable of suitable size.	Each	75.25
84	Material & Labour for Lamp holder, PVC / Polycarbonate type with cord grip cap suitable for pendant fittings.	Each	130.80
85	Fixing only of Lamp holder, PVC/Polycarbonate type with cord grip cap suitable for pendant fittings.	Each	89.70
86	Material & Labour for Switch piano, flush type single pole, one way 6 Amp (Make: Anchor/ Havells/ Legrand) or Suitably equivalent make as approved by EIC.	Each	120.80
87	Fixing only Switch piano, flush type single pole, one way 6 Amp.	Each	44.50
88	Material & Labour for Switch piano, flush type single pole, one way 16 Amp (Make: Anchor/Havells/Legrand) or Suitably equivalent make as approved by EIC.	Each	218.40

Sl.No	DESCRIPTION	Unit	Rate (in Rs.)
89	Fixing only Switch piano, flush type single pole, one way 16 Amp.	Each	81.00
90	Supply and Fixing of Modular switch 1 way 10A, 1 module.	Each	260.50
91	Supply and Fixing of Modular switch 2 way 10A, 1 module.	Each	307.30
92	Supply and Fixing of Modular Bell Push 6A, 1 module.	Each	307.30
93	Supply & Fixing of Buzzer, Ding Dong AC. 230 volts, single pole.	Each	430.40
94	Supply & Fixing of Bell Multi Music type.	Each	561.50
95	Supply & Fixing of modular socket, 6A - 2/3 pin combined 2 module.	Each	340.54
96	Labour only for fixing only of Modular Socket, 6A - 2/3 pin combined 2 module.	Each	54.10
97	Supply & Fixing of modular socket, 16A - 2/3 pin combined 2 module.	Each	528.40
98	Labour only for fixing only of Modular Socket, 16A - 2/3 pin combined 2 module.	Each	121.00
99	Supply & fixing of modular white cover plate with frame 1 module.	Each	192.70
100	Supply & fixing of modular white cover plate with frame 2 module.	Each	195.80
101	Supply & fixing metal flush box for 1/2 module plate.	Each	179.10
102	Supply & fixing of 4 module modular white cover plate with frame.	Each	247.10
103	Supply & fixing of metal flush box for 4 module plate.	Each	213.40
104	Supply & fixing of 6 module modular white cover plate with frame.	Each	309.60
105	Supply & fixing of metal flush box for 6 module plate.	Each	284.10
106	Supply & fixing of 8 module plate with frame.	Each	381.40
107	Fixing only of modular white cover plate with frame 1 or 2 module.	Each	42.10
108	Fixing only of metal flush box for 1/2 module plate.	Each	101.00
109	Fixing only of 4 module modular white cover plate with frame.	Each	77.00
110	Fixing only of metal flush box for 4 module plate.	Each	67.40
111	Fixing only of 6 module modular white cover plate with frame.	Each	43.40
112	Fixing only of metal flush box for 6 module plate.	Each	107.70
113	Supply & fixing of socket outlet two in one, three pin, 6 and 16 amp Flush type (Make: Anchor/Havells/Legrand) or Suitably equivalent make as approved by EIC.	Each	224.60
114	Supply & fixing of socket outlet 2 in 1, 3 pin 6 A flush type (Make: Anchor/ Havells/ Legrand) or Suitably equivalent make as approved by EIC.	Each	130.10
115	Supply & fixing of socket outlet 3 pin 6 A flush type (Make: Anchor/ Havells/ Legrand) or Suitably equivalent make as approved by EIC.	Each	142.60
116	Fixing of socket outlet two in one, three pin, 6 and 16 amp Flush type.	Each	81.00
117	Fixing of socket outlet 2 in 1, 3 pin 6 A flush type.	Each	77.00
118	Fixing of socket outlet 3 pin 6 A flush type.	Each	77.00
119	Supply & Fixing of Switch socket combination 2 in 1, 3 pin, 6 and 16 Amp flush type universal (Make: Anchor/ Havells/ Legrand) or Suitably equivalent make as approved by EIC.	Each	379.40
120	Supply & Fixing of Switch socket combination 2 in 1, 6A flush type (Make: Anchor/ Havells/ Legrand) or Suitably equivalent make as approved by EIC.	Each	372.20
121	Fixing only of Switch socket combination 2 in 1, 3 pin, 6 and 16 Amp flush type universal.	Each	168.70
122	Fixing only of Switch socket combination 2 in 1, 6A flush type.	Each	162.00
123	Supply & Fixing of sheet metal enclosures with socket plug top and MCBs Single pole and neutral enclosure with a two pin and earth plug and socket complete with one single pole MCB 20Amp (Make: Anchor/ Legrand/ Havells/ ABB/ Luker/ Standard) or Suitably equivalent make as approved by EIC.	Each	1817.80
124	Supply & Fixing of Ceiling rose, 3 phase/PVC/ polycarbonate, isolated body.	Each	65.70
125	Fixing only of Ceiling rose, 3 phase/PVC/ polycarbonate, isolated body.	Each	43.80

Sl.No	DESCRIPTION	Unit	Rate (in Rs.)
126	Material & Labour for Earth continuity conductor or main earthing lead fixed to wall on batten or recess or chases or buried in ground or drawn in conduit/pipe or fixed to poles or any other indicated situation for loop earthing etc. as required 6 mm dia galvanised iron or steel wire.	RM	86.10
127	Fixing only and connecting electric meters upto 25 amps include old meter removal.	Each	189.90
128	Fixing only and connecting electric meters above 25 amps include old meter removal.	Each	230.54
129	Fixing or hanging only ceiling fan (M.D. supply) and connecting up including provision of cable from ceiling rose or connector to fan, include old fan removal.	Each	170.60
130	Fixing only exhaust fan (M.D. supply) and connecting up including provision of cable from ceiling rose or connector to fan, include old exhaust fan removal.	Each	228.20
131	Taking down regulator, sealing cable ends and removing regulator to store.	Each	43.80
132	Taking down fan, sealing cable end, dismantling blades and removing fan and blades to store.	Each	205.90
133	Supply & Fixing stepped type electronic fan regulator flush type on the existing phenolic laminated sheet etc. as required.	Each	365.90
134	Fixing only stepped type electronic fan regulator flush type on the existing phenolic laminated sheet etc. as required.	Each	75.80
135	Material & Labour for wiring with two runs of PVC insulated sheathed single core copper cable up to 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC conduit and conduit accessories run on wall/roof one run of copper cable as earth wire. (Make: Finolux/Havells/Polycab/Kundan) or Suitably equivalent make as approved by EIC. a) 2x1.5 sq.mm + 1x1.5 sq.mm earth wire.	RM	163.32
136	Material & Labour for wiring with two runs of PVC insulated sheathed single core copper cable up to 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC conduit and conduit accessories run on wall/roof one run of copper cable as earth wire. (Make: Finolux/Havells/Polycab/Kundan) or Suitably equivalent make as approved by EIC. b) 2x2.5sq.mm + 1x2.5sq.mm earth wire.	RM	185.21
137	Material & Labour for wiring with two runs of PVC insulated sheathed single core copper cable up to 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC conduit and conduit accessories run on wall/roof one run of copper cable as earth wire. (Make: Finolux/Havells/Polycab/Kundan) or Suitably equivalent make as approved by EIC. c) 2x4.0sq.mm + 1x4.0sq.mm earth wire.	RM	215.00
138	Material & Labour for wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC conduit and conduit accessories run on wall/roof one run of copper cable as earth wire. (Make: Finolux/Havells/Polycab/Kundan) or Suitably equivalent make as approved by EIC. d) 2x6.0sq.mm + 1x6.0 sq.mm earth wire.	RM	259.20
139	Material & Labour for wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC conduit and conduit accessories run on wall/roof one run of copper cable as earth wire. (Make: Finolux/Havells/Polycab/Kundan) or Suitably equivalent make as approved by EIC. e) 2x10.0sq.mm + 1x10.0sq.mm earth wire.	RM	350.32

Sl.No	DESCRIPTION	Unit	Rate (in Rs.)
140	Fixing only of for wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC conduit and conduit accessories run on wall/roof one run of copper cable as earth wire. a) 2x1.5 sq. mm + 1x1.5 sq. mm earth wire.	RM	103.64
141	Fixing only of for wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC conduit and conduit accessories run on wall/roof one run of copper cable as earth wire. b) 2x2.5sq.mm + 1x2.5sq.mm earth wire.	RM	103.64
142	Fixing only of for wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC conduit and conduit accessories run on wall/roof one run of copper cable as earth wire. c) 2x4.0sq.mm + 1x4.0sq.mm earth wire.	RM	103.64
143	Fixing only of for wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC conduit and conduit accessories run on wall/roof one run of copper cable as earth wire. d) 2x6.0sq.mm + 1x6.0 sq.mm earth wire.	RM	103.64
144	Fixing only of for wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC conduit and conduit accessories run on wall/roof one run of copper cable as earth wire. e) 2x10.0sq.mm + 1x10.0sq.mm earth wire.	RM	103.64
145	Material & Labour for wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC casing capping and accessories run on wall/roof one run of copper cable as earth wire. (Make: Finolux/Havells/Polycab/Kundan) or Suitably equivalent make as approved by EIC. a) 2x1.5 sq. mm + 1x1.5 sq. mm earth wire.	RM	159.90
146	Material & Labour for wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC casing capping and accessories run on wall/roof one run of copper cable as earth wire. (Make: Finolux/Havells/Polycab/Kundan) or Suitably equivalent make as approved by EIC. b) 2x2.5sq.mm + 1x2.5sq.mm earth wire.	RM	181.78
147	Material & Labour for wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC casing capping and accessories run on wall/roof one run of copper cable as earth wire. (Make: Finolux/Havells/Polycab/Kundan) or Suitably equivalent make as approved by EIC. c) 2x4.0sq.mm + 1x4.0sq.mm earth wire.	RM	211.58
148	Material & Labour for wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC casing capping and accessories run on wall/roof one run of copper cable as earth wire. (Make: Finolux/Havells/Polycab/Kundan) or Suitably equivalent make as approved by EIC. d) 2x6.0sq.mm + 1x6.0 sq.mm earth wire.	RM	255.78

Sl.No	DESCRIPTION	Unit	Rate (in Rs.)
149	Material & Labour for wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC casing capping and accessories run on wall/roof one run of copper cable as earth wire. (Make: Finolux/Havells/Polycab/Kundan) or Suitably equivalent make as approved by EIC. e) 2x10.0sq.mm + 1x10.0sq.mm earth wire.	RM	342.58
150	Fixing only of wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC casing capping and accessories run on wall/roof one run of copper cable as earth wire. a) 2x1.5 sq. mm + 1x1.5 sq. mm earth wire.	RM	81.01
151	Fixing only of wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC casing capping and accessories run on wall/roof one run of copper cable as earth wire. b) 2x2.5sq.mm + 1x2.5sq.mm earth wire.	RM	81.01
152	Fixing only of wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC casing capping and accessories run on wall/roof one run of copper cable as earth wire. c) 2x4.0sq.mm + 1x4.0sq.mm earth wire.	RM	81.01
153	Fixing only of wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC casing capping and accessories run on wall/roof one run of copper cable as earth wire. d) 2x6.0sq.mm + 1x6.0 sq.mm earth wire.	RM	81.01
154	Fixing only of wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multi strand copper conductor along with PVC casing capping and accessories run on wall/roof one run of copper cable as earth wire. e) 2x10.0sq.mm + 1x10.0sq.mm earth wire.	RM	81.01
155	Supply and fixing of 25 mm rigid non-metallic PVC conduit exclusive of boxes (junction / terminal) but inclusive of all tees, bends, elbows, reducers, bell mouth tube ends and fixing accessories such as couplers, lock nuts, saddles, pipe hooks etc.	RM	84.30
156	Supply and fixing of 20 mm rigid non-metallic PVC conduit exclusive of boxes (junction / terminal) but inclusive of all tees, bends, elbows, reducers, bell mouth tube ends and fixing accessories such as couplers, lock nuts, saddles, pipe hooks etc.	RM	75.20
157	Fixing only of 20 / 25 mm rigid non-metallic PVC conduit exclusive of boxes (junction / terminal) but inclusive of all tees, bends, elbows, reducers, bell mouth tube ends and fixing accessories such as couplers, lock nuts, saddles, pipe hooks etc.	RM	25.74
158	Fixing only of 32 / 40 mm rigid non-metallic PVC conduit exclusive of boxes (junction / terminal) but inclusive of all tees, bends, elbows, reducers, bell mouth tube ends and fixing accessories such as couplers, lock nuts, saddles, pipe hooks etc.	RM	34.90
159	Supply and fixing of 20 mm Junction Boxes (1 to 4 way).	Each	40.95
160	Supply and fixing of 25 mm Junction Boxes (1 to 4 way).	Each	46.21

Sl.No	DESCRIPTION	Unit	Rate (in Rs.)
161	Fixing only electric water heater, storage type steel body with copper inner tank and heating element upto 2 KW capacity 25 litre, BEE 5 Star rated complete with all accessories such as safety valve, thermostat, NRV, connection piece etc.	Each	269.40
162	Supply, fixing & connecting to the system of Sheet metal enclosures with single door DB's 240 V when MCB'S to be used Single pole & neutral 2 way without bus bar, (Make: Legrand/Havells/Hager/ABB) or Suitably equivalent make as approved by EIC.	Each	544.10
163	Supply, fixing & connecting to the system of Sheet metal enclosures with double door DB's 240 V when MCB'S to be used Single pole & neutral 4 way with 200 amps rated bus bar, (Make: Legrand/Havells/ Hager/ABB) or Suitably equivalent make as approved by EIC.	Each	1544.40
164	Supply, fixing & connecting to the system of Sheet metal enclosures with double door DB's 240 V when MCB'S to be used Single pole & neutral 8 way with 200 amps rated bus bar, (Make: Legrand/Havells/ Hager/ABB) or Suitably equivalent make as approved by EIC.	Each	1912.70
165	Supply, fixing & connecting to the system of Sheet metal enclosures with double door DB's 415 V when MCB'S to be used Triple pole & neutral 4 way with 200 Amps rated bus bar, (Make: Legrand/Havells/ Hager/ABB) or Suitably equivalent make as approved by EIC.	Each	2642.70
166	Supply, fixing & connecting to the system of Sheet metal enclosures with double door DB's 415 V when MCB'S to be used Triple pole & neutral 6 way with 200 Amps rated bus bar, (Make: Legrand/Havells/ Hager/ABB) or Suitably equivalent make as approved by EIC.	Each	3186.20
167	Supply and fixing 240V, 10 KA 'B' curve miniature circuit breaker (MCB) of single poles and current carrying capacity 6 to 32 AMP, in the MCB DB Complete with connection testing and commissioning. (Make: ABB/Legrand/ Havells/Hager/ABB) or Suitably equivalent make as approved by EIC.	Each	284.20
168	Supply and fixing 240V, 10 KA 'B' curve miniature circuit breaker (MCB) of single poles and current carrying capacity 40 AMP, in the MCB DB Complete with connection testing and commissioning. (Make: ABB/Legrand/ Havells/Hager/ABB) or Suitably equivalent make as approved by EIC.	Each	806.40
169	Supply and fixing amp rating 240V, 10KA 'C' curve miniature circuit breaker (MCB) of following poles and current carrying capacity in the MCB DB complete with connection testing and commissioning. SPN 32 AMP (Make: ABB/Legrand/ Havells/Hager) or Suitably equivalent make as approved by EIC.	Each	851.20
170	Supply and fixing amp rating 240V, 10KA 'C' curve miniature circuit breaker (MCB) of following poles and current carrying capacity in the MCB DB complete with connection testing and commissioning. SPN 40 to 63 AMP (Make: ABB/Legrand/ Havells/Hager) or Suitably equivalent make as approved by EIC.	Each	1330.39
171	Supply and fixing 415V 10KA 'B' curve miniature circuit breaker (MCB) of following poles and current carrying capacity in the DB complete with connection testing and commissioning. TP 25 To 63 AMP (Make: ABB/Legrand/ Havells/Hager) or Suitably equivalent make as approved by EIC.	Each	1697.60
172	Supply and fixing 415V 10KA 'B' curve miniature circuit breaker (MCB) of following poles and current carrying capacity in the DB complete with connection testing and commissioning. TPN/FP 40 To 100 AMP (Make: ABB/Legrand/ Havells/Hager) or Suitably equivalent make as approved by EIC.	Each	2360.74
173	Supply only of Teakwood Box size 8"x6"x2" with 3mm thick MICA/ HYLAM Sheet fixed on the box using screws.	Each	109.74
174	Supply only of Teakwood Box size 6"x6"x2" with 3mm thick MICA/ HYLAM Sheet fixed on the box using screws.	Each	74.34

Sl.No	DESCRIPTION	Unit	Rate (in Rs.)
175	Supply only of Teakwood Box size 12"x8"x2" with 3mm thick MICA/ HYLAM Sheet fixed on the box using screws.	Each	177.00
176	Supply only of Four Nos. of Switch socket combination 15/16 Amps fixed in Teakwood Box size 12"x8"x2" with 3mm thick MICA/ HYLAM Sheet fixed on the box using screws.	Each	619.50
177	Supply only of Three Phase Direct On line (DOL) Starter suitable for 5HP Motor, 415V AC with required range of OLR. (Make: Siemens / L&T/ BCH) or Suitably equivalent make as approved by EIC.	Each	2000.00
178	Supply only of Three Phase Direct On line (DOL) Starter suitable for 7.5HP Motor, 415V AC with required range of OLR. (Make: Siemens / L&T/ BCH) or Suitably equivalent make as approved by EIC.	Each	6959.99
179	Supply, fixing & connecting of the system cable end termination of size 400 sq.mm 3.5 core including with suitable double compression cable gland & lugs.	SET	7500.00
180	Supply, fixing & connecting of the system cable end termination of size 300 sq.mm 3.5 core including with suitable double compression cable gland & lugs.	SET	6124.00
181	Supply, fixing & connecting of the system cable end termination of size 120 sq.mm 3.5 core including with double compression suitable cable gland & lugs.	SET	5000.00
182	Supply, fixing & connecting of the system cable end termination of size 50 sq.mm 3.5 core including with suitable cable gland & lugs.	SET	1150.00
183	Supply, fixing & connecting of the system cable end termination of size 35 sq.mm 3.5 core including with suitable cable gland & lugs.	SET	780.00
184	Supply, fixing & connecting of the system cable end termination of size 25 sq.mm 4 core including with suitable cable gland & lugs.	Each	334.00
185	Supply, fixing & connecting of the system cable end termination of size 16 sq.mm 4 core including with suitable cable gland & lugs.	Each	100.00
186	Supply and fixing of Copper lug suitable for 10 sq.mm single core copper cable, pin/round type to connect in MCB/DIN rail connector.	Each	75.00
187	Supply & Fixing of Din Rail connector CBT-110, 50 Sq.mm, Make: Elmex/ Connectwell/ Tecnoplast or Suitably equivalent make as approved by EIC.	Each	345.00
188	Supply & fixing metal flush box for 8 module plate.	Each	125.00
189	Supply & fixing of 12 module plate with frame and metal flush box.	Each	455.00
190	Supply & fixing of modular type Dummy plate.	Nos	25.00
191	Supply & fixing of 16 module plate with frame and metal flush box.	Each	625.00
192	Supply & fixing of 16 module plate with frame and metal flush box.	Each	635.00
193	Supply, fixing and connecting to the system modular type switch one way 20A, Single pole 2 module. (Make: LEGRAND MYRIUS/ Litaski/ Crabtree) or Suitably equivalent make as approved by EIC.	Each	310.00
194	Supply and fixing of LED ceiling/Recessed mounting fitting complete with suitable LED lamp and accessories, Wattage 24 to 30 watts and minimum system output 1800 lumens. Make: PHILIPS / Bajaj /CG /Havells / Wipro or Suitably equivalent make as approved by EIC.	Each	3755.00
195	Supply of Recessed Mounted circle type Luminarie, 15 Watts with suitable LED lamp and accessories, minimum system output: 1000 lumens. Make: PHILIPS or equivalent of Bajaj/CG/Havells/Wipro or Suitably equivalent make as approved by EIC.	Each	1755.00
196	Supply and fixing of LED decorative wall mounting fitting complete with suitable LED lamp and accessories, Wattage not more than 15 watts and minimum system output 1000 lumens. Make: PHILIPS / Bajaj /CG /Havells / Wipro or Suitably equivalent make as approved by EIC.	Each	1065.00
197	Labour for Finding the exact fault location for 11KV HT UG cable any size using fault finding Locator.	Per Fault	25000.00

Sl.No	DESCRIPTION	Unit	Rate (in Rs.)
198	Material & Labour for Cable jointing kit for 1100 Volt (Earthed) grade cable for straight through heat shrink type joint complete with jointing material and accessories suitable for 3/4 core PVC armoured under cable of size 16 sq.mm to 35 sq.mm.	Each	5000.00
199	Material & Labour for Cable jointing kit for 1100 Volt (Earthed) grade cable for straight through heat shrink type joint complete with jointing material and accessories suitable for 3/4 core PVC armoured under cable of size 50 sq.mm to 70 sq.mm.	Each	6000.00
200	Material & Labour for Cable jointing kit for 1100 Volt (Earthed) grade cable for straight through heat shrink type joint complete with jointing material and accessories suitable for 3/4 core PVC armoured under cable of size 95 sq.mm to 120 sq.mm.	Each	7500.00
201	Material & Labour for Cable jointing kit for 1100 Volt (Earthed) grade cable for straight through heat shrink type joint complete with jointing material and accessories suitable for 3/4 core PVC armoured under cable of size 150 sq.mm to 300 sq.mm.	Each	9000.00
202	Labour only for laying with suitable clamps or passing through pipe. PVC / XLPE insulated. Armoured, heavy duty electric cable with aluminium conductor, 1100 volts grade. Cross sectional area 16 to 35 sq.mm, 4 core.	RM	94.00
203	Labour only for laying with suitable clamps or passing through pipe. PVC / XLPE insulated. Armoured, heavy duty electric cable with aluminium conductor, 1100 volts grade. Cross sectional area 50 to 70 sq.mm, 4 core.	RM	140.00
204	Labour only for laying with suitable clamps or passing through pipe. PVC / XLPE insulated. Armoured, heavy duty electric cable with aluminium conductor, 1100 volts grade. Cross sectional area 95 to 150 sq.mm, 4 core.	RM	198.00
205	Labour only for Fixing of MCCBs 415V, 4 Pole, 160 to 400 A.	Each	600.00
206	Labour only for Fixing of MCCBs 415V, 3 Pole, 16A to 125 A.	Each	500.00
207	Labour only for Fixing of MCCBs 415V, 3 Pole, 160 to 400 A.	Each	500.00
208	Supply, Fixing & connecting of Fan capacitor, 2.5 mf, 230 V in ceiling fan including removing of old capacitor. Make: Keltron/ Usha/ Havells or Suitably equivalent make as approved by EIC.	Each	150.00
209	Labour for Fixing & connecting only of Fan capacitor, 2.5 mf, 230 V in ceiling fan including removing of old capacitor.	Each	90.00
210	Supply & Fixing of 9/10 Watt LED bulb, B22 Cap, 230V, cool day white, minimum 800 lumens output. Including removal of old bulb and handover to stores. (Make: Havells/ Philips/ Wipro/ Bajaj/ CG/ Luker) or Suitably equivalent make as approved by EIC.	Each	200.00
211	Fixing only 9/10 Watt LED bulb, Including removal of old bulb and handover to stores.	Each	84.00
212	Supply & Fixing of 20 Watt LED Tube light, 230V, cool day white, minimum 1200 lumens output. Including removal of old Tube light and handover to stores. (Make: Havells/ Philips/ Wipro/ Bajaj/ CG/ Luker) or Suitably equivalent make as approved by EIC.	Each	600.00
213	Fixing only 20 Watt LED Tube light, Including removal of Old / Fused Tube light and handover to stores.	Each	120.00
214	Removing only of Lamp holder, PVC/Polycarbonate type with cord grip cap suitable for pendant fittings.	Each	94.00
215	Removing only Switch piano, flush type single pole, one way 6 Amp.	Each	60.00
216	Removing only Switch piano, flush type single pole, one way 16 Amp.	Each	66.00
217	Removing only of modular socket, 6A - 2/3 Pin combined 2 module.	Each	80.00

Sl.No	DESCRIPTION	Unit	Rate (in Rs.)
218	Removing only of modular socket, 16A - 2/3 Pin combined 2 module.	Each	80.00
219	Fixing only of 8 module plate with frame.	Each	132.00
220	Fixing only of 12 Module plate with frame and metal flush box.	Each	143.00
221	Removing Only of socket outlet two in one, three pin , 6 and 16 amp Flush type.	Each	80.00
222	Removing Only of socket outlet 2 in 1, 3 pin 5 A flush type.	Each	80.00
223	Removing Only of socket outlet 3 pin 5 A flush type.	Each	83.00
224	Removing only of Switch socket combination 2 in 1, 3 pin, 6 and 16 Amp flush type universal.	Each	90.00
225	Removing only of Switch socket combination 2 in 1, 6A flush type.	Each	90.00
226	Removing only of Ceiling rose, 3 phase/PVC/polycarbonate, isolated body.	Each	60.00
227	Fixing only of wires any size with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade multi strand copper conductor along with earth wire for temporary connection.	RM	55.00
228	Removing only of wires any size two or three runs of PVC insulated sheathed multi strand copper wires including removing of PVC Pipes/ casing capping or temporary laid wires.	RM	33.00
229	Fixing & connecting of pedestal Fan any size, including shifting of fan from stores to concerned location in HVF estate and returning to store after completion of function/occasions.	Each	180.00
230	Fixing & connecting of wall mounting fan any size, including shifting of fan from stores to concerned location in HVF estate and returning to stores.	Each	180.00
231	Connecting & Maintaining of PA System with constant clarity of sound without any hassles for function/occasions (max 8 hours), including shifting of PA equipments consisting of microphone, amplifiers, speakers and related equipment from stores to concerned location in HVF estate.	Each	4312.00

- Contractor may note that the above quoted rates for SSR Items are based on MES SSR 2020 rates.
- Contractor may also note that all the above quoted rates are inclusive of all levies & Taxes (Including GST) as per rules in vogue.
- The quantities will be operated against each item as required / ordered by E-I-C and total value of order not exceeding Rs. 50.00 Lakhs. The contract will be in operation for a period of One year from the date of issuance of order.


(K. TULASI RAO)

JT. GENERAL MANAGER / IMS
For CHIEF GENERAL MANAGER / HVF
For And On Behalf Of THE PRESIDENT OF INDIA

HEAVY VEHICLES FACTORY, AVADI, CHENNAI - 600 054

**Name of work: PERCENTAGE RATE CONTRACT FOR MINOR / PETTY DAILY ELECTRICAL REPAIR WORKS IN HVF
ESTATE RESIDENTIAL BUILDINGS AND AMENITY BUILDINGS**

Sl. No	DESCRIPTION
SCOPE OF WORK: The scope of work shall include the following:	
01	Works are to be executed as directed by the site in charge & contractor supervisor should report to site in-charge after completion of work on daily basis.
02	Contractor has to engage minimum Four Tradesman (Electrician-Highly skilled) and Four Helpers/Labours for normal duty daily at 08.30 hrs to 17.00 hrs in Estate. However if complaints are more contractor has to engage more manpower daily.
03	Service should be available at nights and holidays during emergency situation if required.
04	The contractor shall attend the complaint/breakdown/fuse of calls as recorded/lodged complaints in the complaint register.
05	The contractor shall attend the complaints immediately on daily basis without any delay however it should be ensured that complaints gets rectified on the same day for the entire contract period.
06	In case in some circumstances due to non-availability of spares, if it is not rectified on the same day, then it should be ensured that the same to be taken care on priority on the next day or otherwise it should be brought to the knowledge of site in-charge for further directives.
07	Incase if any major breakdown occurs, then the contractor has to make arrangement to rectify it or otherwise alternate arrangement has to be made by getting prior approval/ confirmation from the site-in-charge and to be completed immediately.
08	If the contractor is not attending the complaint after three days, then 10% as penalty will be deducted from the cost of the item not attended by the contractor.
09	A Separate record should be maintained for lodging the complaint and rectification details by the contractor.
10	Contractor should maintain separate record in a prescribed format for spares consumed which will be given to the contractor.
11	After rectification/repair of the complaint, acknowledgement from the occupant to be received as per the prescribed format which will be given to the contractor.

Sl. No	DESCRIPTION
12	Removal and fixing of Street light fitting should be carried out using hydraulic boom lift vehicle (Vehicle will be provided by the factory).
13	No complaints should be kept unattended and it has to be rectified within two days.
14	Street light maintenance should be carried out once in a week and depending upon the street light complaints.
15	No complaints should be kept unattended and it has to be rectified on the same day itself.
16	Attendance cum muster roll to be maintained for entire contract period and same shall be got certified from site in charge on daily basis.
17	Priority should be given to special building like AVNLCO, IB, FTH, SOQ, OPD, HOSPITAL, DMA Qtrs, DSC line & Proof range.
<u>SPECIAL TERMS & CONDITIONS</u>	
01	Contractor should take care of supervising and completion of day to day work.
02	Contractor should ensure that the tradesman deployed should posses NCVT Certificate/Electrician/B license Certificate from recognized institute & are conforming to standard Engineering practice.
03	Rectification/repair should be strictly be carried out as per norms of Indian Electricity rules.
04	All safety measures have to be taken while executing / attending all complaints & tradesman deployed should use all safety equipment for the safety of the workmen.
05	The contractor should make arrangement on his own for ladders, tools & safety equipments etc., required for carrying out the work for attending the complaints & breakdown.



(K. TULASI RAO)

JT. GENERAL MANAGER / IMS

For CHIEF GENERAL MANAGER / HVF

For And On Behalf Of THE PRESIDENT OF INDIA