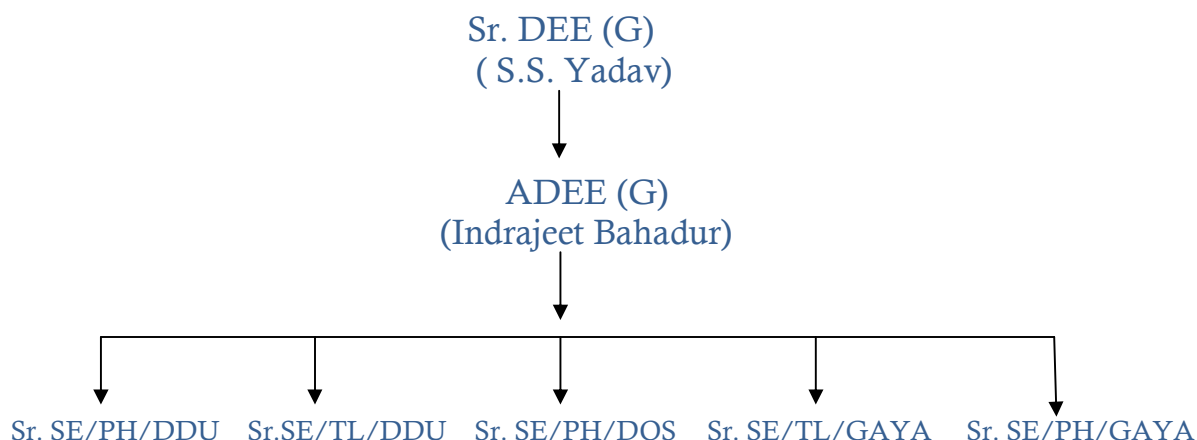


ORGANIZATION STRUCTURE

Electric (G) Branch is headed by Sr. DEE (G) and is assisted by 01 AEE (G)



Electrical (G)/DDU is being looked after by three installation in-charges as under:

POWER GROUP:-

| <i>Sl.</i> | <i>Installation / Depot</i> | <i>Installation in-charge</i> | <i>Territorial Jurisdiction</i> | <i>Details of works</i> |
|------------|-----------------------------|-------------------------------|---|--|
| 01 | DDU | Sr. SE/Elect/Power House/ DDU | DDU - KMGE. | They have to supervise sanctioned works, preventive and break-down maintenance work of transformers, Sub – Stations, ART, D.G. Sets, pumps, window A.C. and Split A.C, Water Coolers, Desert Coolers in their jurisdiction. They also procure stock / Non Stock items required for preventive maintenance. |
| 02 | DOS | Sr. SE/Elect/Power House/ DOS | SSM - AUBR, B.D. Section from BCJ to SQS & SSM-ARA section. | |
| 03 | GAYA | Sr. SE/Elect/Power House/ GYA | PES - MPO. | |

TL & AC GROUP:-

| <i>Sl.</i> | <i>Installation / Depot</i> | <i>Installation in-charge</i> | <i>Territorial Jurisdiction</i> | <i>Details of works</i> |
|------------|-----------------------------|-------------------------------|---------------------------------|---|
| 01 | DDU | Sr. SE/Elect. /TL/ MGS | T.L. DEPOT / MGS | They have to supervise Primary and Secondary maintenance works of A.C. and TL Coaches in their jurisdiction. They also procure stock / Non Stock items required for preventive & Break down maintenance of A.C. and TL Coaches LHB Coaches. |
| 02 | GAYA | Sr. SE/Elect./ TL/ GYA | T.L. DEPOT / GYA. | |

Staff Position of Electrical (G) / DDU Department

POWER

| Categories | Sanctioned | MOR | Vacancy | SUMMARY ON ROLL | | | Remark |
|-------------|------------|-----|---------|-----------------|---------|--------|------------|
| | | | | Supervisor | Artisan | Minis. | |
| Sr. SE | 17 | 15 | 2 | 22 | 264 | 5 | |
| JE | 8 | 7 | 1 | | | | |
| Skilled | 189 | 173 | 16 | | | | |
| Unskilled | 112 | 91 | 21 | | | | |
| Ministerial | 7 | 4 | 3 | | | | 01/W/U MHX |
| Peon | | 1 | +01 | | | | |
| Total | 333 | 291 | 42 | | | | |

Train Lighting

| Categories | Sanctioned | MOR | Vacancy | Supervisor | Artisan | Minis. | Remark |
|-------------|------------|-----|---------|------------|---------|--------|--------|
| Supervisor | | | | | | | |
| Sr. SE | 10 | 8 | 2 | 12 | 114 | 02 | |
| JE | 6 | 5 | 1 | | | | |
| Skilled | 81 | 85 | +4 | | | | |
| Unskilled | 40 | 31 | 9 | | | | |
| Ministerial | 3 | 2 | 1 | | | | |
| Total | 140 | 131 | 9 | | | | |

Sr.DEE(G)/DDU's Office

| Categories | Sanctioned | MOR | Vacancy | Supervisor | Artisan | Minis. | Remark |
|------------------------------|------------|-----|---------|------------|---------|--------|---------------------------------------|
| Sr. SE | 2 | 2 | 0 | 4 | Nil | 9 | 01 Sr. SE working at HQ (lien at DDU) |
| Sr. SE/Drg | 1 | 1 | 0 | | | | |
| JE | 1 | 1 | 0 | | | | |
| Unskilled/ Group "D" Peon | 0 | 3 | +03 | | | | |
| Ministrial | 7 | 6 | 1 | | | | 01/W/U/MHX |
| Total | 11 | 13 | +02 | | | | |

Summary of Elect G Department's staffs

| Summary | Total SS | Total MOR | Total Vacancy |
|--------------|----------|-----------|---------------|
| Total Staffs | 484 | 435 | 49 |
| SSE | 29 | 25 | 4 |
| SSE/DRG | 1 | 1 | 0 |
| JE | 15 | 13 | 2 |
| Ministerial | 17 | 12 | 5 |
| Skilled | 270 | 258 | 12 |
| Unskilled | 152 | 122 | 30 |
| Peon | 0 | 4 | +04 |

Note: - Above summary of staffs is including TL & AC units

MAJOR ASSETS POWER SIDE:-

- A. DDU division has Two Nos. 33/11 KV Sub- Stations. (01at DDU & 01 at Gaya)
- B. 11 KV / 440 V Sub – stations: 57 Nos.
- C. 70 kWp Solar Roof top Plant at ETTC/DDU Hostel Building and 20kWp at AUBR Station.

| Sl. | Description | | Qty. | Sl. | Description | Qty. | |
|-----|--|------------|----------|-----|---------------------------|--|----------|
| 01 | Transformers 33/11 KV of 05 MVA | | 01 No. | 12 | Mini Mast | 52 Nos. | |
| 02 | Transformers 33/11 KV of 03 MVA | 03 MVA | 05 Nos. | 13 | F.L. Towers in Yard | 65 Nos. | |
| | | 01/1.5 MVA | 19 Nos. | | | | |
| 03 | Transformers 11KV/440V | 630 kVA | 01 No. | 14 | High Mast | 138 Nos. | |
| | | 500 kVA | 35 Nos. | | Stadium High Mast | 02 Nos. at DDU Station Circulating Area | |
| | | 300 kVA | 02 Nos. | | | | |
| | | 315 kVA | 01 No. | | | | |
| | | 250 kVA | 13 Nos. | | | | |
| | | 200 kVA | 4 Nos. | | | | |
| | | 100 kVA | 19 Nos. | | | | |
| | Net Total: | 75 Nos. | | | | | |
| 04 | Compact Sub – Station – 250 KVA (SSM -01 & SEB – 01) | | 02 Nos. | 15 | Escalators | DDU : 1 Set (UP & DN) GAYA: Nil (dismantled due to re-development work.) | |
| 05 | D.G. Set (GAYA: 03, DOS = 02, DDU = 05) | | 10 Nos. | 16 | Lifts | DDU : 03 Nos. SSM : 03 Nos. AUBR : 02 No. DOS : 01 No. | |
| 06 | Submersible Pumps | | 145 Nos. | 17 | UPS | 60 nos. | |
| 07 | BLDC Fans 1200 MM | | 984 Nos. | 18 | HVLS Fan | 01 No. at DDU Concourse Area | |
| | 1400MM | | 250 Nos. | | | | |
| 08 | CLS Panel: | 150 A | 39 Nos. | 19 | AC | Split AC | 673 Nos. |
| | | 60 A | 61 Nos. | | | Tower AC | 06 Nos. |
| | | | | | | Window AC | 240 Nos. |
| 09 | Desert coolers | | 665 Nos. | 20 | Water coolers | 197 Nos. | |
| 10 | Solar Geysers | | 05 Nos. | 21 | Solar Street Light | 15 Wp- 38 Nos. 60Wp 38 Nos. 18 Nos. DDU & 20 Nos. GAYA | |
| 11 | RGBW Lights (DMX Controlled) | | 85 Nos. | 22 | National Monumental Flags | 05 Nos.(DDU , GAYA, AUBR, SSM & BBU) | |

3.7.2 PASSENGER AMENITIES ITEMS AT MODEL STATIONS:

| Sl. | Passenger Amenity Item | | DDU | SSM | DOS | AUBR | SEB | RFJ | GAYA | JPL |
|-----|--------------------------------|----|-----------------|----------|-----------------|-----------|-----------------|----------|------------------|-----------|
| 01 | D.G. Set Supply | | Provided 01 No. | Not avl | Provided 01 No. | Not avl | Provided 01 No. | Not avl. | Provided 03 Nos. | Not avl. |
| 02 | High Mast in Circulating Area. | | 02 Nos. | 01 No. | 01 No. | 01 No. | 01 no. | 01 no. | 02 Nos. | 01 no. |
| 03 | Water Cooler | | 11 Nos. | 03 Nos. | 05 Nos. | 02 Nos. | 02 Nos. | 03 Nos. | 11 Nos. | 1 No. |
| 04 | Signage's | | Provided | Provided | Provided | Provide d | Provided | Provided | Provided | Provide d |
| 05 | Fan On PF | UP | 157 | 24 | 15 | 10 | 08 | 08 | 39 | 4 |
| | | DN | 114 | 26 | 18 | 08 | 10 | 11 | 52 | 8 |
| 06 | Lift | | 03 Nos. | 03 Nos. | 01 No. | 02 Nos. | Not avl | Not avl | NIL | Not avl |
| 07 | Escalator | | 01 Set (Up& DN) | *02 Nos. | Not avl | Not avl | Not avl | Not avl | NIL | Not avl |

Note: -(i) All the Lift & Escalator installed at GAYA Station have been dismantled due to re-development work of this Station.

(ii) * Escalator to be started after finalization of 3rd party inspection by the agency.

HT Load Sanction (Non-Traction)

| Sl. | Location | Load | Sl. | Location | Load |
|-----|--------------------------------|----------|-----|----------|---------|
| 1 | DDU 33 KV (Domestic) LMV – 1 | 5000 KVA | 8 | RFJ | 100 KVA |
| 2 | DDU 33 KV (Industrial) HV -2 | 2000 KVA | 9 | JPL | 100 KVA |
| 3 | DDU 11 KV (Plant Depot) LMV -2 | 2000 KVA | 10 | XBKJ | 75 KVA |
| 4 | Gaya | 1800 KVA | 11 | NBG | 70 KVA |
| 5 | DOS | 400 KVA | 12 | ANH | 50 KVA |
| 6 | SEB | 330 KVA | 13 | BSYA | 50 KVA |
| 7 | SSM | 110 KVA | 14 | BCJ | 70 KVA |

Performance of Electric (G)

| Description | 23-24 | 24-25 | 25-26 |
|--------------------------------|---------|---------|---------|
| Energy in KWH (up to May) | 6701501 | 7270842 | 7156795 |
| Avg. / Month Consumption | 3350751 | 3635421 | 3578398 |
| % increased/decreased | -8.712 | 8.496 | -1.569 |
| HSD Oil in Ltr. (up to June) | 1474 | 3014 | 2522 |
| Avg. / Month Consumption | 491.33 | 1004.67 | 840.67 |
| % increased/ decreased | 23.62 | 104.48 | -16.32 |

* % has been increased/decreased as compared with same period of last corresponding years.

Energy Consumption (Non- Traction) in MKWH and Energy bill paid

Energy consumption (NON- traction) in MKWH and Energy bill paid (Rs. In Cr): June. -23 to June-25

| Electric (G) | For the month (June.) | | | | Cumulative up to the month of June) | | | |
|------------------|------------------------|----------|----------|-----------|--------------------------------------|---------|---------|---------|
| | June -23 | June- 24 | June- 25 | % Var | 2023-24 | 2024-25 | 2025-26 | % Var. |
| Energy consumed | 3.98 | 4.17 | 3.92 | (-) 5.99 | 10.68 | 11.44 | 11.07 | (-)3.23 |
| Energy bill Paid | 3.26 | 3.38 | 2.85 | (-) 15.68 | 9.02 | 9.49 | 8.83 | (-)6.95 |

MAJOR ASSET for TL & AC

Primary / Secondary maintenance over division For Mail / Express:-

| Sl. | Train No | Train Name | Days of Maintenance | Primary Depot | Sec. Depot | No. of rakes |
|-------------|--------------------|---|---------------------|---------------|--------------|--------------|
| 1 | 12397 /12398 | Mahabodhi Exp. | 7 | GAYA | NDLS | 02 |
| 2 | 12389/12390 | GYA- MAS Express | 1 | GAYA | MS | 01 |
| 3 | 22358/22357 | GAYA-LTT- GAYA Weekly Exp. | 1 | GAYA | LTT | 01 |
| 4 | 02397/98 | GAYA –ANVT- GAYA | 1 | GAYA | ANVT | |
| LHB: | | | | | Total | 03 |
| 1 | 03697/03698 | GAYA – ANVT Spl TOD | 6 | GAYA | DLI | 02 |
| 2 | 03655/03656 | GAYA - PNBE SPL | 7 | GAYA | PNBE | 01 |
| 3 | KG RAKE (53627/28) | GAYA- KIUL- GAYA Passenger & Spl. | 7 | GAYA | KIUL | 01 |
| 4 | 53213/14, 13243/44 | GAYA-PNBE-BBU Spl. Passenger BBU-PNBE-BBU Intercity | 7 | GAYA | PNBE | 02 |
| 5 | 53615/16 | GAYA-JMP-GAYA | 7 | GAYA | JMP | 01 |
| 6 | 53641/42 | DDU - DLN | 1 | DDU | DLN | 01 |
| ICF: | | | | | Total | |

Other Mail / Express Trains:-

| Sl. | Train No | Train Name | Days of Maintenance | Sec. Depot |
|-----|----------|----------------|---------------------|------------|
| 1 | 15619/20 | KYQ-GAYA-KYQ | Weekly | GAYA |
| 2 | 22409/10 | ANVT-GAYA-ANVT | Weekly | GAYA |
| 3 | 14261/62 | GAYA-LKO-GAYA | Bi-weekly | GAYA |
| 4 | 14259/60 | GAYA-LKO-GAYA | Weekly | GAYA |
| 5 | 06217/18 | GAYA- YPR-GAYA | Weekly | GAYA |

Holding of AC/TL coaches

1. TL Depot DDU

| Depot | Passenger BG TL Coaches | Others TL coaches (ART, ARME, Saloon etc.) | Total |
|--------|-------------------------|--|---------------------------|
| TL/DDU | 8 | 10 (06 ART + Crane, 03 Saloon & ARME-1) | TL Coach-16 AC Coach-2 |

2. TL Depot GAYA

| Type of coaches | LFAC | LWACCW | LWACCN | LWACCNEAA | LWCBAC | LWLRRM | LWSCN | LWS | LSLRD | WGSCZAC | Total |
|-----------------|------|--------|--------|-----------|--------|--------|-------|-----|-------|---------|-------|
| LHB Type | 06 | 09 | 14 | 15 | 05 | 05 | 26 | 18 | 05 | - | 103 |

| Type of coaches | WGACCW | WGACCN | WGCENAC | WGSCZAC | GS | SLEEPER | GSLRD | ART | Total |
|-----------------|--------|--------|---------|---------|----|---------|-------|-----|-------|
| ICF Type | 04 | 07 | 08 | 02 | 91 | 25 | 19 | 05 | 161 |

Solar Energy at a glance:

Carbon emission is being reduced through installation of Rooftop Solar Power Plants at Railway stations and further planning to installed more plants at various location over DDU Division to cater the load as under:-

A. Solar Works already been completed

| Sl. | Station/ Location | State | Installed Cap. (KWp) | Solar Rooftop/ Land based | Date of commissio ning /under installation | Generatio n started /not started | Commissioned by Department /Agency | Remark |
|-----------------|-----------------------|-------|----------------------------|------------------------------------|--|---|--|--|
| OFFGRID PLANTS: | | | | | | | | |
| 1 | CPBH | BR | 10.00 | Rooftop | Nov-19 | Started (Mar 2020) | Department | Off Grid |
| 2 | KYF | JH | 10.00 | Rooftop | Nov-19 | Started (Mar 2020) | Department | Off Grid |
| 3 | NCC/ GAYA | BR | 10.00 | Rooftop | Jan-23 | Started (Jan 2023) | Aman Enterprises/S PJ | Off Grid |
| 4 | Sick Line/ GAYA | BR | 10.00 | Rooftop | Jan-23 | Started (Jan 2023) | Aman Enterprises /SPJ | Off Grid |
| 5 | JHN | BR | 10.00 | Rooftop | Feb-23 | Started (Feb 2023) | Aman Enterprises /SPJ | Off Grid |
| 6 | GRRU | BR | 10.00 | Rooftop | Feb-23 | Started (Feb 2023) | Aman Enterprises /SPJ | Off Grid |
| 7 | WCC/ DDU | UP | 20.00 | Rooftop | 5th Mar 2023 | Started (Mar 2023) | Aman Enterprises /SPJ | Off Grid |
| | | | 80 | KWp | | | | |
| ON GRID PLANT: | | | | | | | | |
| 1 | GAYA | BR | 272 | Rooftop | April 2022 | Started | RVNL | ONGRID |
| 2 | SSM | BR | 90.35 | Rooftop | Dec-19 | Started (Dec 2019) | Agency (AZURE POWER) | On-grid Solar Plant Installed at Station Building |

| | | | | | | | | |
|------------|------------------|----|---------|---------|-------------|----------------------|-----------------------------|---|
| 3 | DDU | UP | 1000.00 | Rooftop | Dec-19 | Started (April 2021) | Agency (AZURE POWER) | On-grid Solar Plant Installed at DDU Railway Stn, TRS Shed, RPF Barrack building, Swimming Pool building, Running Rooms & DRH/DDU 155 KWp Plant Dismantled at TRD/DDU due to redevelopment work of TRS |
| 4 | BCJ | BR | 24.00 | Rooftop | 8 July 2022 | Started (Apr 2023) | Through RVNL/BSB | ON Grid |
| 5 | ETTC /DDU Hostel | UP | 70 | Rooftop | Mar-25 | Started (Mar 2025) | CAPEX Aman Enterprises/ SPJ | ON Grid |
| 6 | ANH | BR | 50 | Rooftop | Mar-25 | Started (Mar 2025) | CAPEX Aman Enterprises/ SPJ | ON Grid |
| 7 | BSYA | BR | 20 | Rooftop | Mar-25 | Started (Mar 2025) | CAPEX Aman Enterprises/ SPJ | ON Grid |
| 8 | AUBR | BR | 20 | Rooftop | May-2025 | Started | Makhayan Engg/ | ON Grid |
| 9 | DOS | BR | 20 | Rooftop | May-2025 | Started | Makhayan Engg/ | ON Grid |
| 10 | RFJ | BR | 20 | Rooftop | May-2025 | Started | Makhayan Engg/ | ON Grid |
| 11 | JPL | BR | 20 | Rooftop | May-2025 | Started | Makhayan Engg/ | ON Grid |
| Net Total: | | | 1.45 | MW | | | | |

B. Solar Power plant work under progress:-

| | | | | | | | |
|---|---------------------|----------|---|--|--|--|--|
| 1 | SEB Near Rly Colony | BR | Provision of 720 KWp Solar ON-GRID, Ground Mount Power Plant at SONNAGAR through RVNL | | | | Work under progress. |
| 2 | Over DDU Division | BR UP JH | Provision of 500 KWp Solar ON-GRID plant over DDU Division. (15 stations and 08 services buildings) | | | | TC finalization LOA to be issued by 04/08/2025 |

Power Group:-

- 03 nos. 20HP defective Pumps have been replaced at WCC/DDU, KMS and Down Yard/DDU.
- 08 Nos. Flood light fittings provided for better illumination at different locations at DN. yard/DDU.
- Maintenance and proper cleaning of Loco & TRS Sub-Station at DDU.
- Tree trimming work has been done in LT feeder European Colony & Manas Nagar, HT Feeder Backley& Loco Colony, Loco Marshling Yard &Khakhura Colony at GAYA.
- Cleaning of Solar Plant has been done at MEMU Shed/GAYA, Sick Line/GAYA & TLI office/GAYA.
- Anti-Theft Drive has been launched at Railway Colonies in GAYA.
- Station building of DDU, BBU, SSM, DOS, AUBR& GAYA have been illuminated with Tri-Colour for Seven days.
- 05 Nos. LED Flood lights have been provided in Dn.Yard/DDU at different location to improved illumination level at deficient locations.
- Maintenance of GOS has been done at European Colony, Roza Colony & Dn. Sick line.
- Provision of net metering done for newly installed 20 kWp Roof Top System at AUBR Station.
- Gasket has been changed in 500 KVA transformer old sub-station Manas Nagar DDU, 100 KVA Transformerat KTQ Stn
- 08 Nos defective flood light fittings in high mast have been replaced inDn Reception yard DDU.
- Transformer oil top up in 100 KVA Transformerat KTQ Stn, 1000 KVA & 500 KVA at old sub-station Manas Nagar DDU.
- 10 No. AC & 02 No water cooler has been installed at different location in DDU division.
- 65 Nos of bare cable joints have been properly done through straight jointing kit at different locations in DDU division.
- Tree trimming has been done in LT Feeder Diesel Colony & Loco Colony DDU.
- One new 60A CLS Panel installed at PRS/DOS.
- NI work at PES & BHKH has been done successfully.
- One CLS panel (60A) replaced at Dy.SS office GNK and at gate no 66 for RH between KMS & DCX. One CLS panel (150A) replaced at Dy.SS office NBG.
- 11 No AC (08 split AC & 03 window AC) have been installed at different location in DDU division.

TL&AC Group:-

- ALEROSO Fire Detection and Suppression System provide in LHB AC coaches are as follows LWACCN 151573, LWACCN 192844, LWACCN 192827, LWACCN 221890, LWLLRM 181642(AC Panel) LWLRRM 181642 (DG panel), LWACCN 182432, LWFAC 071558, LWLRRM 195290 (DG Panel). LWACCN 182907 , LWLRRM 183191 (DG Panel), 183191 (AC Panel), LWFAC 111498, LWACCN 192911, LWACCN 182345, LWACCN 151676, LWACCN 071582, LWACCN 131809, LWLRRM 193285 (AC Panel) LWLRRM 193285 (DG panel),LWACCN 121691, LWCRCR 196822, LWFAC 091367, LWFAC 221022, LWACCN 121522,

LWLRRM 195136 (DG Panel), 195136 (AC Panel), LWCBC181628 in the month of April'2025 and (i) LWACCW 171700 (ii) LWCBC 181647 in the month of May'2025.

- AEROSOL Fire Detection and Suppression System provide in SG ACcoaches are as follows:-(i) WGACCN 141532 (ii) WGACCN 061303 (iii) WGACCN 05102 (iv)WGACCN 151489 , (v) WGACCW 091316 , (vi) WGACCW Q7L279, (vii) WGACCN 101406. In the month of April 2025and (i) WGACCW 081346 (ii) WGACCW081328 (iii) WGACCW101291 (iv)WCACCN061275 (v) WCACCN111948 (vi) WCACCN071297 (vii) WCACCN071278(viii)WCACCN151440 (ix) WCACCN071512 in the month of May' 2025.
- In Coach No. WGCWNAC 091316, 01 Set (56 Nos.) 2V, 1100Ah battery replaced with new one.
- IN COACH NO WGCWNAC 071279 01 SET (56 NOS) 2V, 1100 AH BATTERY NEW REPLACED.
- 02 NO MONO BLOCK PUMP REPLACED IN COACH NO LWSCN 154464.
- 04 NO FAN REPLACED IN COACH NO GS 246753, GS 256395, GS 191650 AND IN LWSCN 154439
- Modification with replacement of MPCB and interlocking with heater connector in LHB AC coaches at Gaya Depot are as follows-
- LWFAC 111498, 2.LWCBC 196822, 3.LWACCW 182345, 4.LWACCN 151676, 5.LWLRRM 193285, 6.LWACCW 121522. 7.CBC 181628, 8.LWLRRM 181642, 9. LWCBC 181647, 10.LWACCN 192827, 11.LWCBC 131809, 12.LWACCN 151573, 13. LWLRRM 195136, 14. LWFAC071558, 15.LWFAC 0913667, 16. LWACCN 0710582, 17. LWACCN 182432, 18. LWACCW 182907, 19. LWACCW 121691