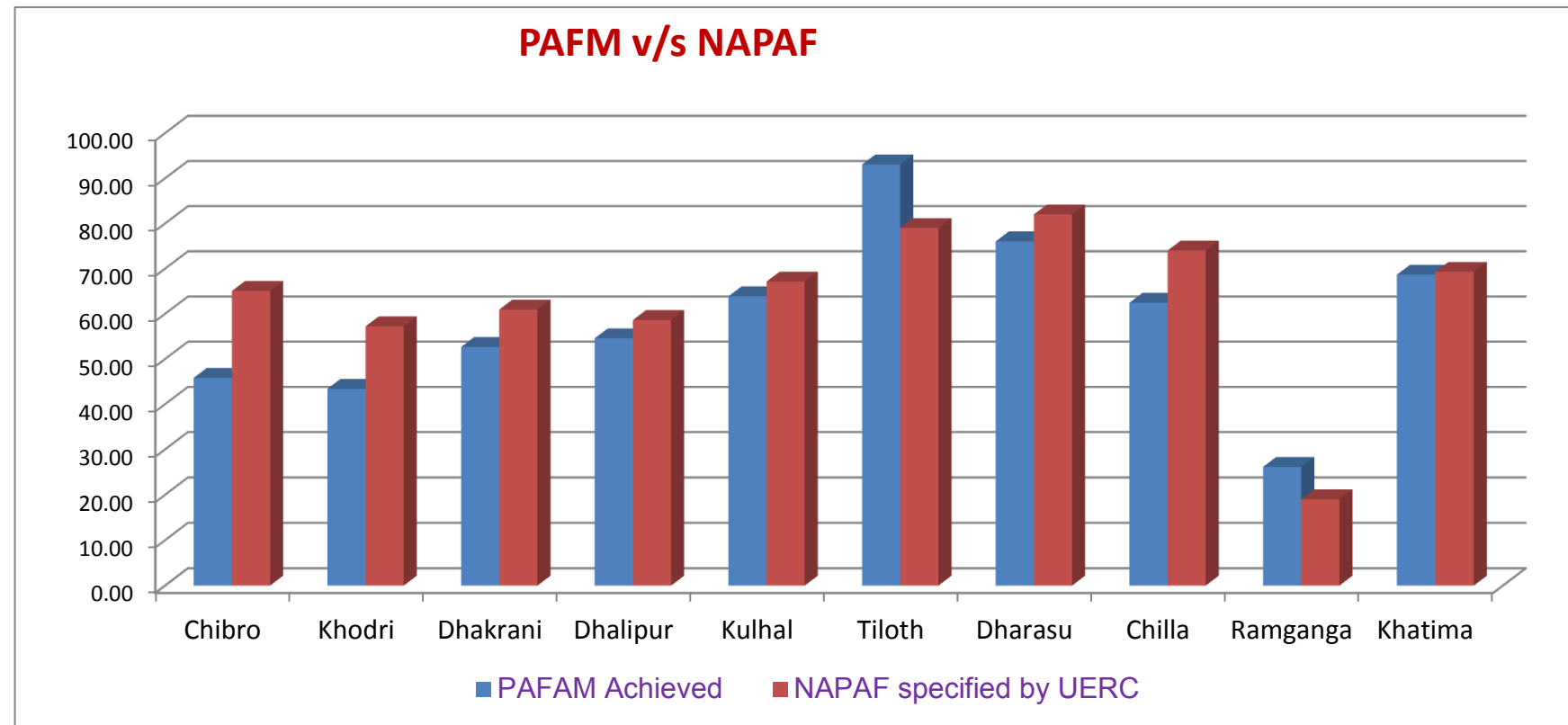


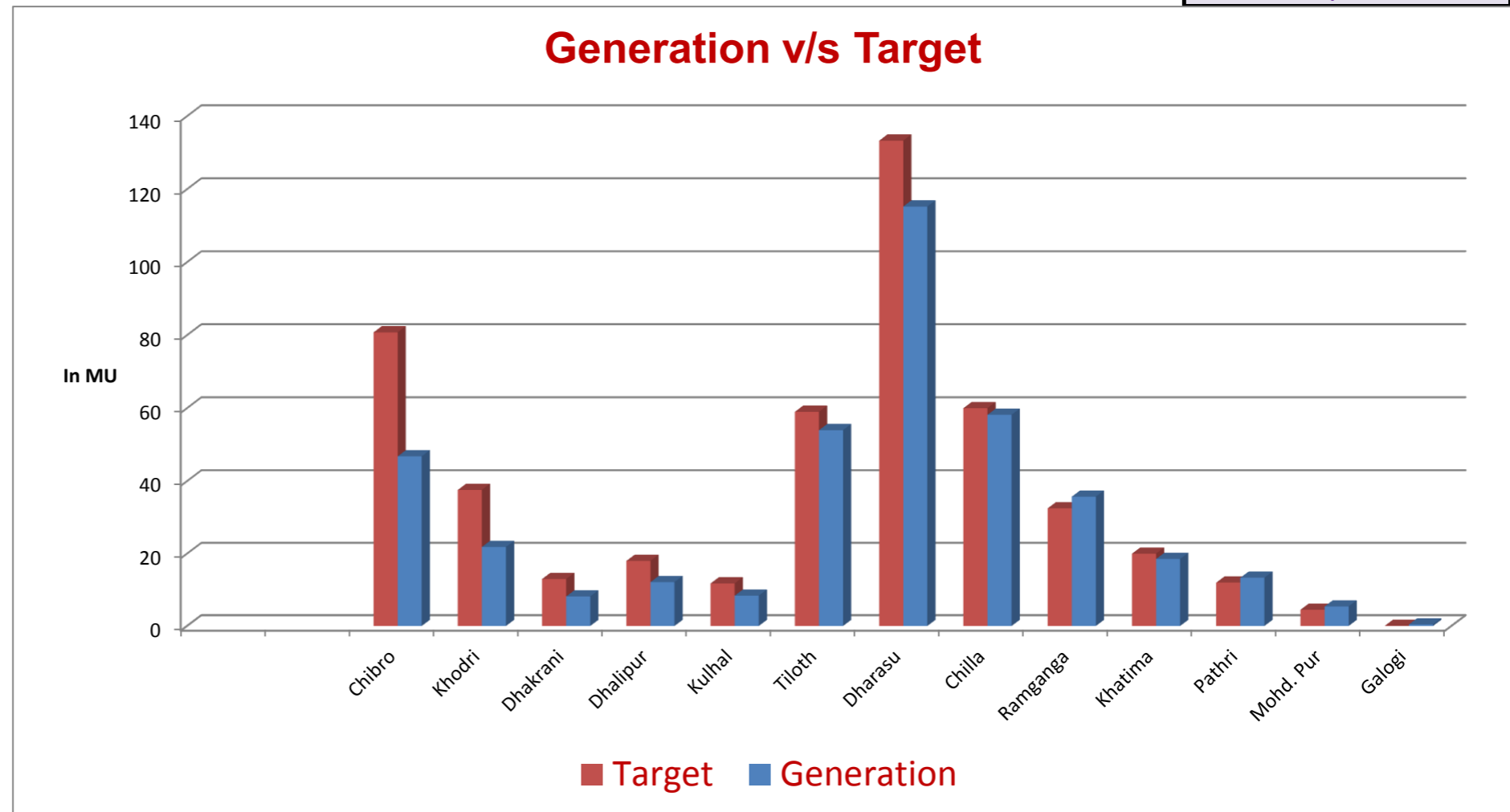
## Performance Comparison of different HEPs

| Name of HEP | Generation in MU | Target in MU | Generation Loss MU | PAFAM in % | NAPAF in %<br>As specified by UERC | Export in MWh | Import in MWh | Aux Consumption+ Transformation Loss in MWh | Forced Outage in Hrs | Remark                                    |
|-------------|------------------|--------------|--------------------|------------|------------------------------------|---------------|---------------|---|----------------------|---|
| Chibro      | 46.784           | 80.77        | 0.0000             | 45.83      | 65.06                              | 46272.00      | 0.00          | 464.00                                      | 0.0                  | -   |
| Khodri      | 21.856           | 37.59        | 0.000              | 43.40      | 57.23                              | 141656.96     | 120761.40     | 153.00                                      | 0.0                  | -   |
| Dhakrani    | 8.164            | 13.00        | 0.02833            | 52.66      | 60.94                              | 8577.30       | 1761.678      | 86.00                                       | 0.4                  | Generator over current protection relay   |
| Dhalipur    | 12.128           | 18.00        | 0.0089             | 54.59      | 58.62                              | 12097.26      | 0.00          | 51.000                                      | 0                    | -   |
| Kulhal      | 8.386            | 11.78        | 0                  | 63.87      | 67.14                              | 16987.20      | 8860.80       | 258.840                                     | 0                    | -   |
| Tiloth      | 53.966           | 59.00        | 0.8                | 93.1       | 79.0                               | 55006.25      | 1670.80       | 492.00                                      | 57.91                | Stator E/F, Rotor E/F, Grid               |
| MB II       | 115.255          | 133.30       | 0.075              | 76.04      | 82.00                              | 164565.12     | 51106.44      | 1615.00                                     | 0                    | T/F, LA problem                           |
| Chilla      | 58.181           | 60.00        | 0                  | 62.43      | 74.00                              | 58162.03      | 993.89        | 953.00                                      | 0                    | -   |
| Ramganga    | 35.741           | 32.55        | 0.00               | 26.15      | 19.00                              | 36105.99      | 842.53        | 161.00                                      | 525.71               | SF6 Breaker Problem                       |
| Khatima     | 18.521           | 20.00        | 1.23               | 68.7       | 69.30                              | 42389.92      | 24385.09      | 234.00                                      | 442.1                | Bushing damage, Fault in Thyristor bridge |
| Pathri      | 13.332           | 12.00        | 0.276              | -          | -                                  | 13080.368     | 0.439         | 187.00                                      | 2.99                 | Due to Carbon brush change in all Units   |
| Mohd. Pur   | 5.415            | 4.50         | 0.192              | -          | -                                  | 5876.3        | 587.343       | 109.80                                      | 13.66                | Malfunctioning of LGB TSD, Relay problem  |
| Galogi      | 0.433            | 0.07         | 0.041              | -          | -                                  | 413.54        | 0.21          | 7.20  | 50.58                | maintenance work, Grid                    |
| Total       | 398.16           | 482.560      | 2.63931            |            |                                    | 601190.277    | 210970.616    | 4771.84                                     |                      |   |

| HEP      | PAFM  | NAPAF |
|----------|-------|-------|
| Chibro   | 45.83 | 65.06 |
| Khodri   | 43.40 | 57.23 |
| Dhakrani | 52.66 | 60.94 |
| Dhalipur | 54.59 | 58.62 |
| Kulhal   | 63.87 | 67.14 |
| Tiloth   | 93.1  | 79.0  |
| Dharasu  | 76.04 | 82.00 |
| Chilla   | 62.43 | 74.00 |
| Ramganga | 26.15 | 19.00 |
| Khatima  | 68.7  | 69.30 |



| Name of HEP | Target | In MU<br>Generation |
|-------------|--------|---------------------|
| Chibro      | 80.77  | 46.784              |
| Khodri      | 37.59  | 21.856              |
| Dhakrani    | 13.00  | 8.164               |
| Dhalipur    | 18.00  | 12.128              |
| Kulhal      | 11.78  | 8.386               |
| Tiloth      | 59.00  | 54.0                |
| Dharasu     | 133.30 | 115.255             |
| Chilla      | 60.00  | 58.181              |
| Ramganga    | 32.55  | 35.74               |
| Khatima     | 20.00  | 18.521              |
| Pathri      | 12.00  | 13.332              |
| Mohd. Pur   | 4.50   | 5.415               |
| Galogi      | 0.07   | 0.433               |
| Total       | 482.56 | 398.162             |
| Diff        | 84.40  |                     |



| Name of HEP  | Cumulative Target | Cumulative Generation | In MU Difference |
|--------------|-------------------|-----------------------|------------------|
| Chibro       | 143.578           | 78.07                 | 65.51            |
| Khodri       | 67.378            | 36.32                 | 31.06            |
| Dhakrani     | 23                | 13.67                 | 9.33             |
| Dhalipur     | 30                | 20.10                 | 9.90             |
| Kulhal       | 20.18             | 14.38                 | 5.80             |
| Tiloth       | 96                | 82.23                 | 13.77            |
| Dharasu      | 208.3             | 176.88                | 31.42            |
| Chilla       | 112               | 106.09                | 5.91             |
| Ramganga     | 56.55             | 38.31                 | 18.24            |
| Khatima      | 36                | 32.79                 | 3.21             |
| Pathri       | 24                | 23.25                 | 0.75             |
| Mohd. Pur    | 8.5               | 10.23                 | -1.73            |
| Galogi       | 0.35              | 0.93                  | -0.58            |
| <b>Total</b> | <b>825.836</b>    | <b>633.232</b>        | <b>192.60</b>    |

