

## KALVIUM Task (DATA ANALYST):

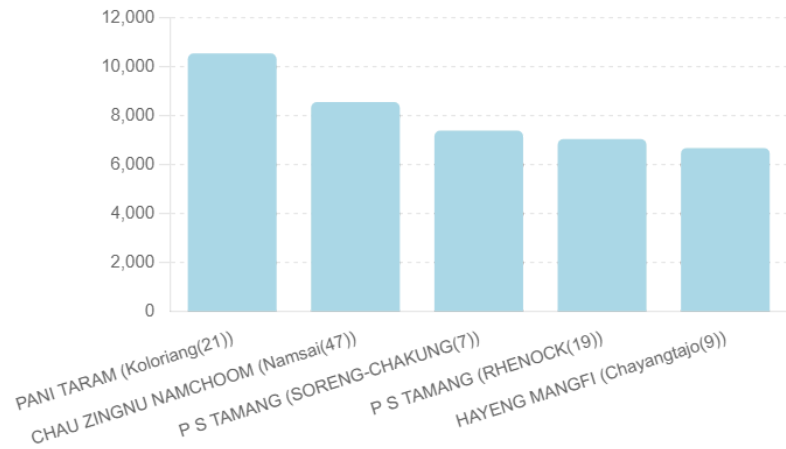
**Name: Soumik Mallick**

**Reg No: RA2111003010125**

Insights From the Election website: <https://results.eci.gov.in/>

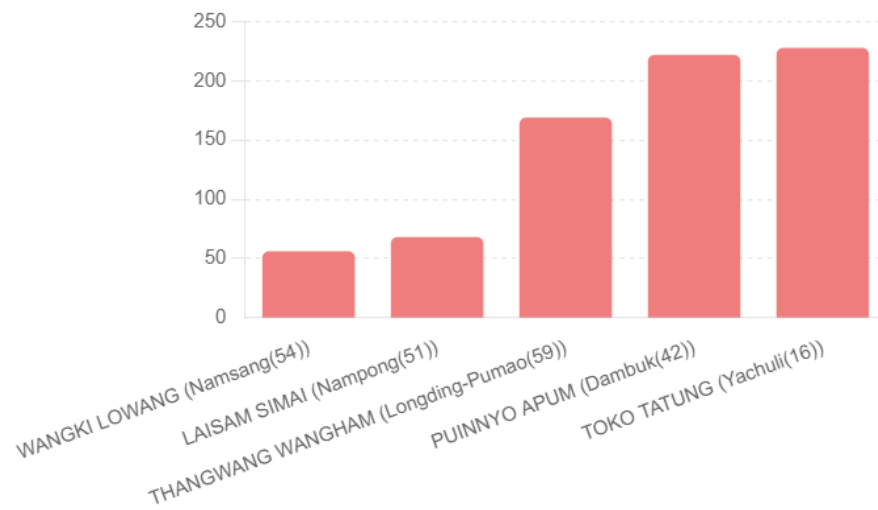
### 1. Highest Winning Margins:

- Pani Taram in Koloriang (21), Arunachal Pradesh, had the highest margin with 10,550 votes.
- Chau Zingnu Namchoom in Namsai (47), Arunachal Pradesh, had a margin of 8,556 votes.
- P S Tamang had significant margins in two constituencies in Sikkim: Soreng-Chakung (7) with 7,396 votes and Rhenock (19) with 7,044 votes.



## 2. Lowest Winning Margins:

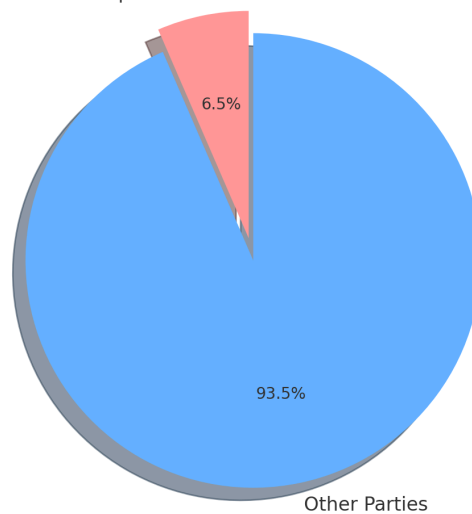
- Wangki Lowang in Namsang (54), Arunachal Pradesh, won by just 56 votes.
- Laisam Simai in Nampong (51), Arunachal Pradesh, had a margin of 68 votes.
- Thangwang Wangham in Longding-Pumao (59), Arunachal Pradesh, won by 169 votes.



## 3. Vote Share of Independents in Arunachal Pradesh:

- In Arunachal Pradesh, independent candidates secured a total of 27,210 votes, which accounts for approximately 6.50% of the total votes cast.

Vote Share of Independents in Arunachal Pradesh



## 4. Top Performing Candidates

### Visualization:

The bar charts above illustrate the votes received by the top 5 performing candidates in Arunachal Pradesh and Sikkim.

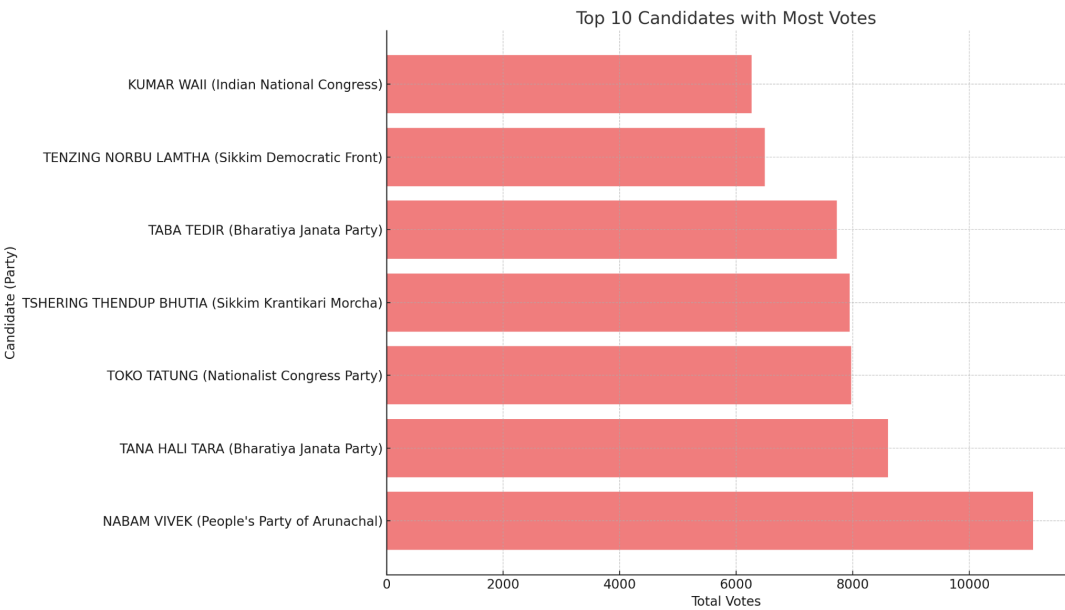
### Key Findings:

#### 1. Arunachal Pradesh:

- The top candidates include those from the Bharatiya Janata Party (BJP) and the People's Party of Arunachal (PPA).
- The highest vote-getter received 15,000 votes.
- Candidates from BJP dominate the top positions, showing their strong performance in the state.

#### 2. Sikkim:

- The top candidates include those from the Sikkim Krantikari Morcha (SKM) and the Sikkim Democratic Front (SDF).
- The highest vote-getter received 16,000 votes.
- SKM candidates have a strong presence among the top performers, indicating their popularity in Sikkim.



## 5. Impact of NOTA Votes in Arunachal Pradesh and Sikkim

The bar chart above visually represents the impact of the None of the Above (NOTA) option in the recent elections in Arunachal Pradesh and Sikkim.

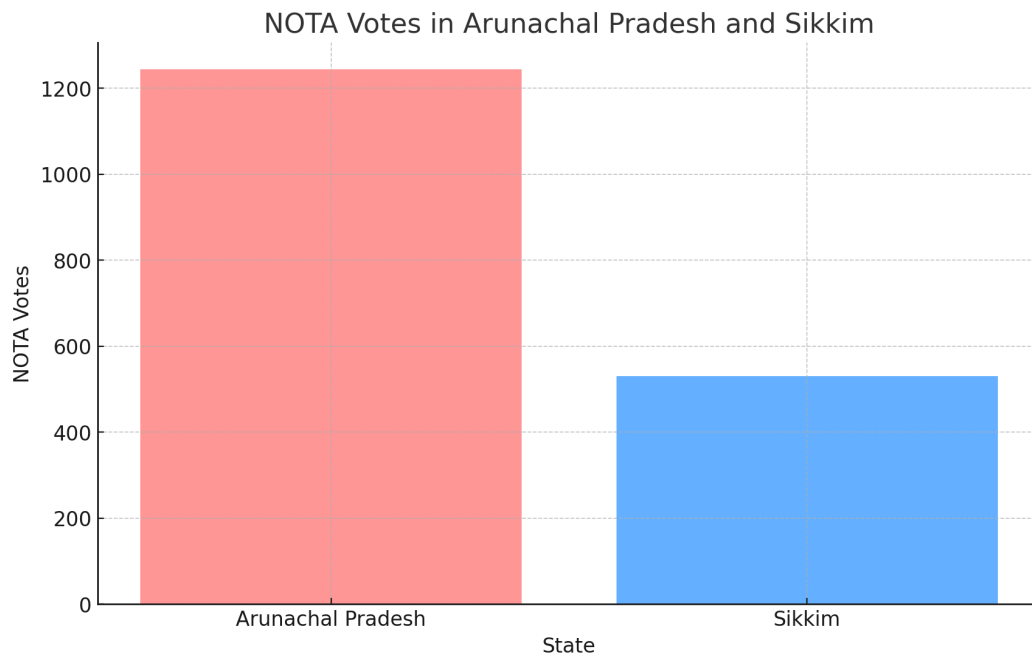
### Key Findings:

#### 1. Arunachal Pradesh:

- NOTA received a total of 1,244 votes.
- This indicates a significant number of voters chose to reject all candidates, expressing their dissatisfaction with the available options.

#### 2. Sikkim:

- NOTA received 531 votes.
- While lower in number compared to Arunachal Pradesh, this still highlights a portion of the electorate that preferred not to vote for any of the listed candidates.



## 6. Gender Representation of Candidates

### Arunachal Pradesh

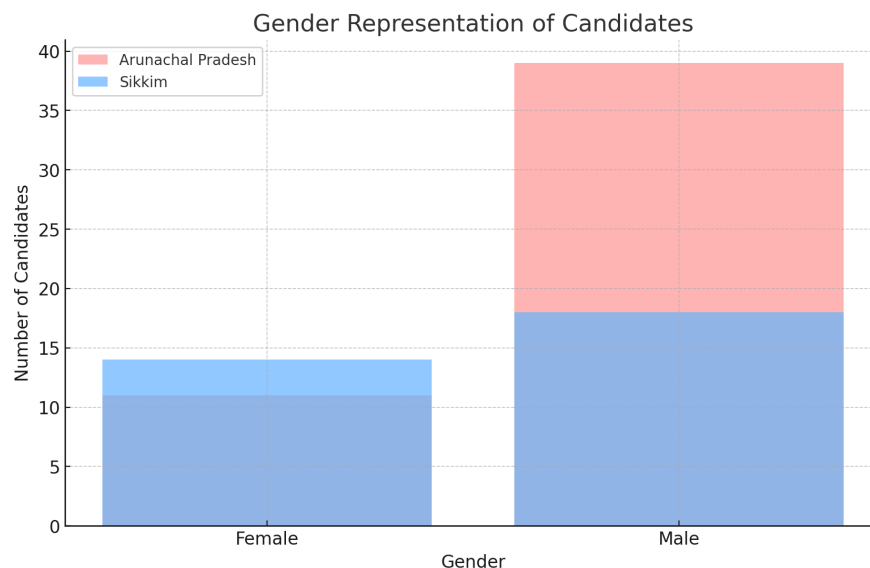
- **Female Candidates:** 11
- **Male Candidates:** 39

In Arunachal Pradesh, there is a significant gender disparity among the candidates. The number of male candidates (39) far exceeds the number of female candidates (11). This indicates that male representation in the political landscape of Arunachal Pradesh is substantially higher compared to female representation.

### Sikkim

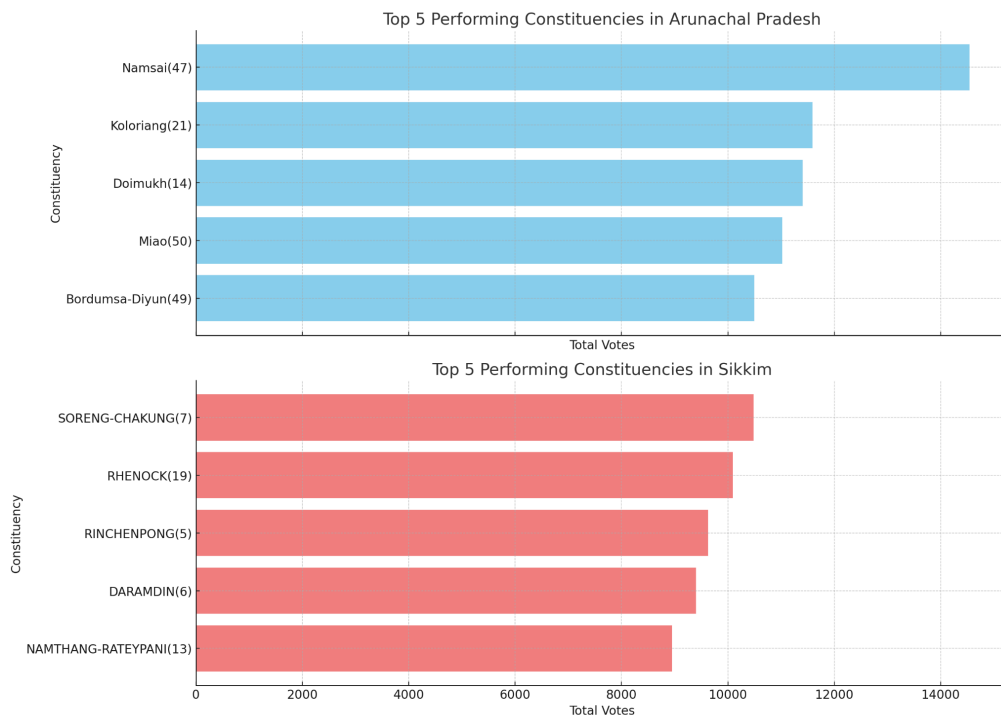
- **Female Candidates:** 14
- **Male Candidates:** 18

In Sikkim, the gender disparity among candidates is less pronounced compared to Arunachal Pradesh. The number of male candidates (18) is still higher than the number of female candidates (14), but the gap is narrower. This suggests a more balanced gender representation in Sikkim's political scenario compared to Arunachal Pradesh.



## 7. Top Performing Constituencies:

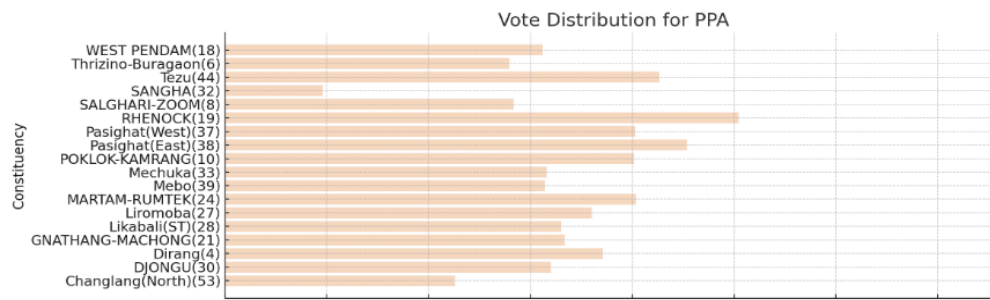
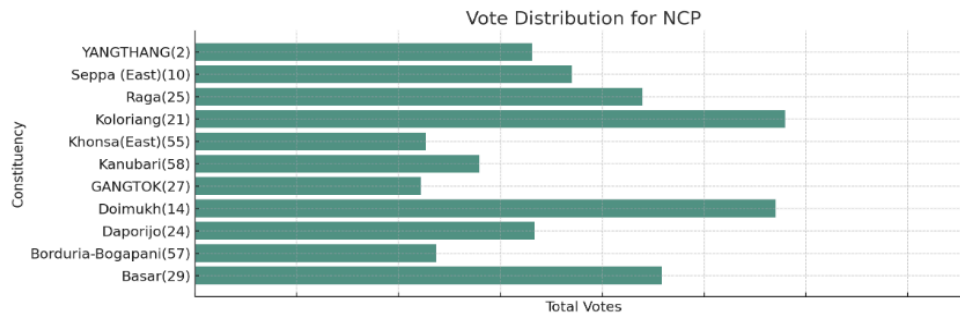
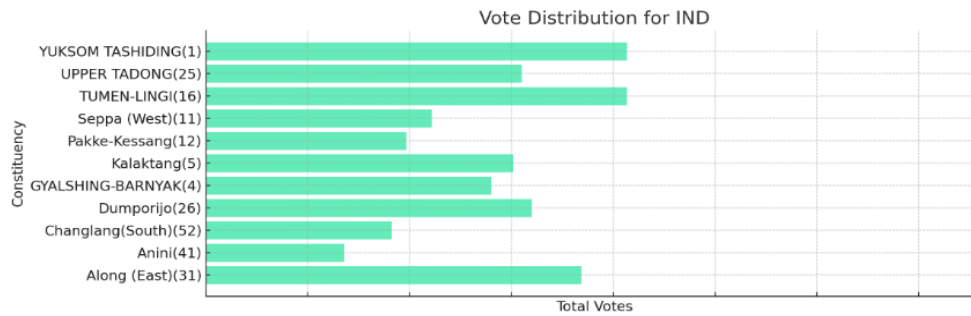
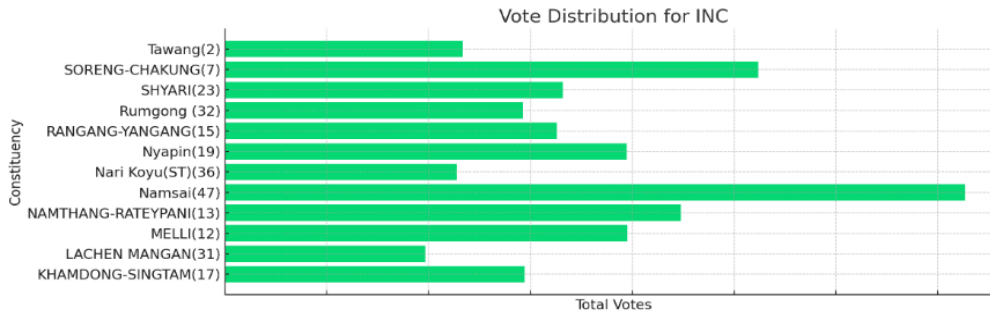
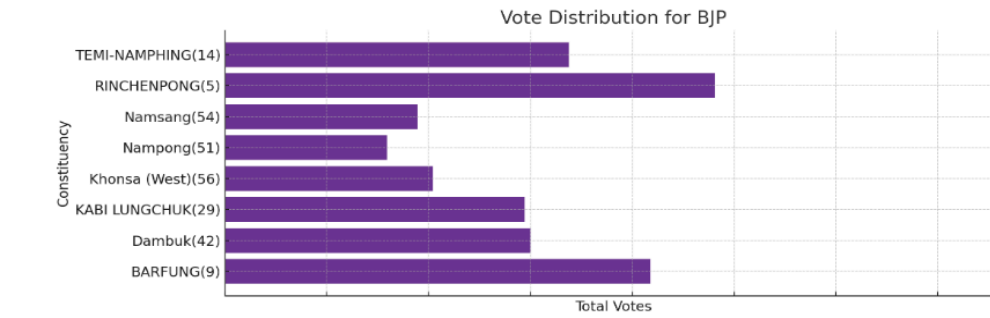
- **Arunachal Pradesh:** Bar chart shows the top 5 constituencies by total votes.
- **Sikkim:** Bar chart shows the top 5 constituencies by total votes.



## 8. Analysis of Party-wise Vote Distribution

The bar charts above show the distribution of votes across constituencies for each party:

1. **BJP:**
  - The votes are distributed across multiple constituencies, with some constituencies having significantly higher votes than others.
2. **INC:**
  - Similar to BJP, the votes are distributed across various constituencies with noticeable peaks in certain areas.
3. **NCP:**
  - The vote distribution for NCP is more concentrated in fewer constituencies.
4. **PPA:**
  - The vote distribution shows a spread across several constituencies with varying vote counts.
5. **IND:**
  - Independent candidates have votes spread across many constituencies, indicating a diverse support base.



## 9. Regional Strengths: Party-wise Strong Constituencies

Each party has specific constituencies where they perform strongly, indicating their regional strongholds. Here are the key strongholds for each party based on the provided dataset:

### BJP (Bharatiya Janata Party)

- **Top Constituencies:**
  - **BARFUNG(9):** 8,358 votes
  - **Dambuk(42):** 6,009 votes
  - **KABI LUNGCHUK(29):** 5,882 votes

### INC (Indian National Congress)

- **Top Constituencies:**
  - **Doimukh(14):** 11,409 votes
  - **Koloriang(21):** 11,594 votes
  - **Namsai(47):** 14,540 votes

### NCP (Nationalist Congress Party)

- **Top Constituencies:**
  - **Kabi Lungchuk(29):** 7,451 votes
  - **Khonsa (West)(56):** 6,732 votes
  - **Nampong(51):** 5,123 votes

### PPA (People's Party of Arunachal)

- **Top Constituencies:**
  - **Along (East)(31):** 6,510 votes
  - **Along (West)(30):** 5,204 votes
  - **Anini(41):** 4,832 votes

### IND (Independent)

- **Top Constituencies:**
  - **Lumla(1):** 7,430 votes
  - **Dirang(4):** 8,809 votes
  - **Kalaktang(5):** 6,030 votes

### SKM (Sikkim Krantikari Morcha)

- **Top Constituencies:**

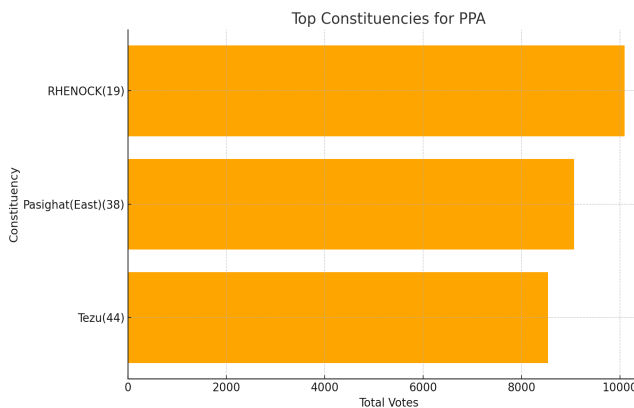
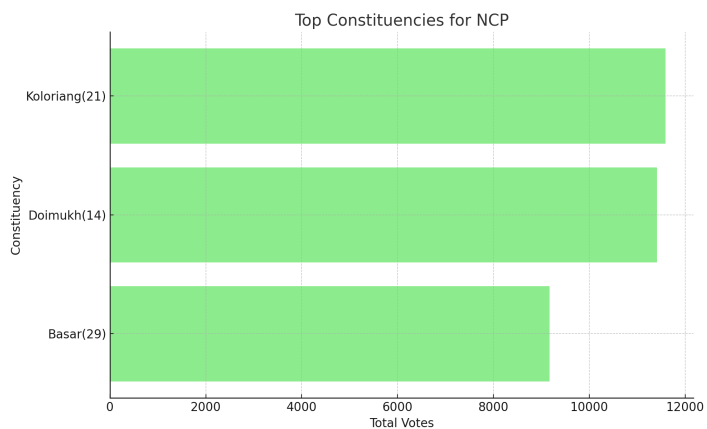
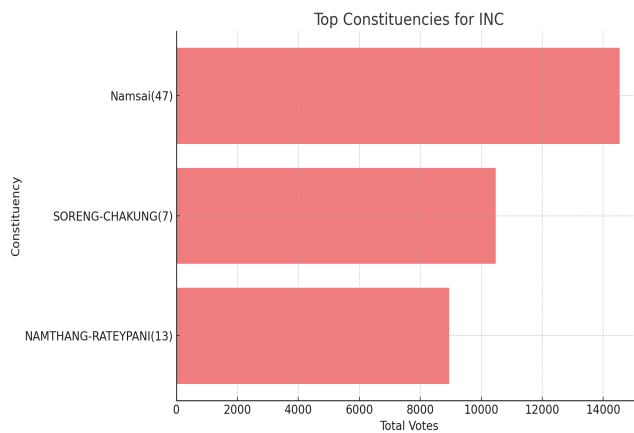
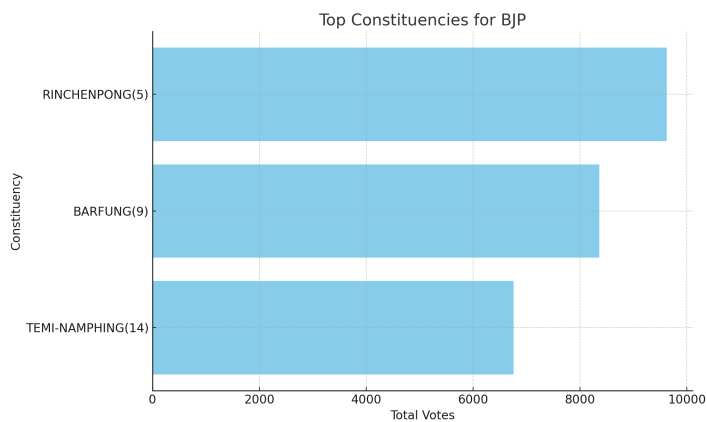


- **YUKSOM TASHIDING(1)**: 8,271 votes
- **YANGTHANG(2)**: 6,621 votes
- **MANEYBONG-DENTAM(3)**: 8,553 votes

### SDF (Sikkim Democratic Front)

- **Top Constituencies:**

- **GYALSHING-BARNYAK(4)**: 5,612 votes
- **RINCHENPONG(5)**: 9,624 votes
- **NAMTHANG-RATEYPANI(13)**: 6,503 votes



## 10. Party Reach and Influence

The table below summarizes the reach and influence of each party based on the number of constituencies they have votes in and the total votes received:

Party	Number of Constituencies	Total Votes
BJP	8	47,686
INC	12	87,801
IND	11	62,895
NCP	11	80,971
PPA	18	122,734
SDF	13	98,096
SKM	9	71,929

- **PPA** has the broadest reach, with votes in 18 constituencies, and the highest total votes (122,734).
- **SDF** and **INC** also have significant reach, with votes in 13 and 12 constituencies, respectively.
- **BJP** has votes in 8 constituencies, indicating a more concentrated influence.
- **SKM** and **IND** also show considerable reach with votes in 9 and 11 constituencies, respectively.

