

**(A) Extremely Severe Cyclonic Storm "Tej" (pronounced as Tej) over Westcentral Arabian Sea**

**QUADRANT WIND DISTRIBUTION IN ASSOCIATION WITH TEJ OVER ARABIAN SEA ON 0000 UTC OF 23-10-2023 FOR WHICH FORECAST IS PREPARED:**

PRESENT DATE AND TIME: **230000**

PRESENT POSITION: **14.4°N/53.5°E**

POSITION ACCURATE TO 20 KM

PRESENT MOVEMENT (DDD/FF) PAST SIX HOURS: 321/07KT

PRESENT WIND DISTRIBUTION:

MAX SUSTAINED WINDS: 90 KT, GUSTS 100 KT

RADIUS OF MAXIMUM WIND **14 NM**

WINDS VARY IN EACH QUADRANT

RADII ARE LARGEST RADII EXPECTED ANYWHERE IN THE QUADRANT

WIND RADII VALID OVER OPEN WATER ONLY

**RADIUS OF 027KT WINDS:**

120 NM NORTHEAST QUADRANT

115 NM SOUTHEAST QUADRANT

105 NM SOUTHWEST QUADRANT

120 NM NORTHWEST QUADRANT

**RADIUS OF 034KT WINDS:**

90 NM NORTHEAST QUADRANT

80 NM SOUTHEAST QUADRANT

80 NM SOUTHWEST QUADRANT

90 NM NORTHWEST QUADRANT

**RADIUS OF 050KT WINDS:**

75 NM NORTHEAST QUADRANT

65 NM SOUTHEAST QUADRANT

65 NM SOUTHWEST QUADRANT

75 NM NORTHWEST QUADRANT

**RADIUS OF 064KT WINDS:**

30 NM NORTHEAST QUADRANT

25 NM SOUTHEAST QUADRANT

25 NM SOUTHWEST QUADRANT

30 NM NORTHWEST QUADRANT

**FORECASTS:**

06 HRS, VALID AT:

**230600Z 14.9°N/53.1°E**

MAX SUSTAINED WINDS: 85 KT, GUSTS 95 KT

**RADIUS OF 027KT WINDS:**

120 NM NORTHEAST QUADRANT

115 NM SOUTHEAST QUADRANT

105 NM SOUTHWEST QUADRANT

120 NM NORTHWEST QUADRANT

**RADIUS OF 034KT WINDS:**

100 NM NORTHEAST QUADRANT

90 NM SOUTHEAST QUADRANT

80 NM SOUTHWEST QUADRANT

100 NM NORTHWEST QUADRANT

**RADIUS OF 050KT WINDS:**

70 NM NORTHEAST QUADRANT

55 NM SOUTHEAST QUADRANT

55 NM SOUTHWEST QUADRANT

70 NM NORTHWEST QUADRANT

**RADIUS OF 064KT WINDS:**

30 NM NORTHEAST QUADRANT  
25 NM SOUTHEAST QUADRANT  
25 NM SOUTHWEST QUADRANT  
30 NM NORTHWEST QUADRANT

12 HRS, VALID AT:

**231200Z 15.3°N/52.7°E**

MAX SUSTAINED WINDS: 75 KT, GUSTS 85 KT

**RADIUS OF 027KT WINDS:**

115 NM NORTHEAST QUADRANT  
105 NM SOUTHEAST QUADRANT  
105 NM SOUTHWEST QUADRANT  
115 NM NORTHWEST QUADRANT

**RADIUS OF 034KT WINDS:**

90 NM NORTHEAST QUADRANT  
80 NM SOUTHEAST QUADRANT  
80 NM SOUTHWEST QUADRANT  
90 NM NORTHWEST QUADRANT

**RADIUS OF 050KT WINDS:**

60 NM NORTHEAST QUADRANT  
45 NM SOUTHEAST QUADRANT  
45 NM SOUTHWEST QUADRANT  
60 NM NORTHWEST QUADRANT

**RADIUS OF 064KT WINDS:**

30 NM NORTHEAST QUADRANT  
25 NM SOUTHEAST QUADRANT

25 NM SOUTHWEST QUADRANT

30 NM NORTHWEST QUADRANT

18 HRS, VALID AT:

**231800Z 15.6°N/52.3°E**

MAX SUSTAINED WINDS: 70 KT, GUSTS 80 KT

**RADIUS OF 027KT WINDS:**

110 NM NORTHEAST QUADRANT

100 NM SOUTHEAST QUADRANT

100 NM SOUTHWEST QUADRANT

110 NM NORTHWEST QUADRANT

**RADIUS OF 034KT WINDS:**

85 NM NORTHEAST QUADRANT

80 NM SOUTHEAST QUADRANT

80 NM SOUTHWEST QUADRANT

85 NM NORTHWEST QUADRANT

**RADIUS OF 050KT WINDS:**

60 NM NORTHEAST QUADRANT

45 NM SOUTHEAST QUADRANT

45 NM SOUTHWEST QUADRANT

60 NM NORTHWEST QUADRANT

**RADIUS OF 064KT WINDS:**

30 NM NORTHEAST QUADRANT

25 NM SOUTHEAST QUADRANT

25 NM SOUTHWEST QUADRANT

30 NM NORTHWEST QUADRANT

24 HRS, VALID AT:

**240000Z 15.9°N/51.9°E**

MAX SUSTAINED WINDS: 45 KT, GUSTS 55 KT

**RADIUS OF 027KT WINDS:**

- 110 NM NORTHEAST QUADRANT
- 100 NM SOUTHEAST QUADRANT
- 100 NM SOUTHWEST QUADRANT
- 110 NM NORTHWEST QUADRANT

**RADIUS OF 034KT WINDS:**

- 85 NM NORTHEAST QUADRANT
- 80 NM SOUTHEAST QUADRANT
- 80 NM SOUTHWEST QUADRANT
- 85 NM NORTHWEST QUADRANT

36 HRS, VALID AT:

**241200Z 16.2°N/51.5°E**

MAX SUSTAINED WINDS: 25 KT, GUSTS 35 KT

48 HRS, VALID AT:

**250000Z 16.6°N/51°E**

MAX SUSTAINED WINDS: 15 KT, GUSTS 25 KT

\*\*\*\*\*

**(B) Deep Depression over Westcentral Bay of Bengal**

**QUADRANT WIND DISTRIBUTION IN ASSOCIATION WITH DEEP DEPRESSION OVER BAY OF BENGAL ON 0000 UTC OF 23-10-2023 FOR WHICH FORECAST IS PREPARED:**

PRESENT DATE AND TIME: **230000**

PRESENT POSITION: **16.7°N/86.7°E**

POSITION ACCURATE TO 20 KM

PRESENT MOVEMENT (DDD/FF) PAST SIX HOURS: 45/04KT

PRESENT WIND DISTRIBUTION:

MAX SUSTAINED WINDS: 30 KT, GUSTS 40 KT

RADIUS OF MAXIMUM WIND **71 NM**

WINDS VARY IN EACH QUADRANT

RADII ARE LARGEST RADII EXPECTED ANYWHERE IN THE QUADRANT

WIND RADII VALID OVER OPEN WATER ONLY

**RADIUS OF 027KT WINDS:**

150 NM NORTHEAST QUADRANT

150 NM SOUTHEAST QUADRANT

140 NM SOUTHWEST QUADRANT

130 NM NORTHWEST QUADRANT

**FORECASTS:**

06 HRS, VALID AT:

**230600Z 17.5°N/87°E**

MAX SUSTAINED WINDS: 30 KT, GUSTS 40 KT

**RADIUS OF 027KT WINDS:**

150 NM NORTHEAST QUADRANT

150 NM SOUTHEAST QUADRANT

140 NM SOUTHWEST QUADRANT

130 NM NORTHWEST QUADRANT

12 HRS, VALID AT:

**231200Z 18.2°N/87.3°E**

MAX SUSTAINED WINDS: 35 KT, GUSTS 45 KT

**RADIUS OF 027KT WINDS:**

150 NM NORTHEAST QUADRANT  
150 NM SOUTHEAST QUADRANT  
140 NM SOUTHWEST QUADRANT  
130 NM NORTHWEST QUADRANT

**RADIUS OF 034KT WINDS:**

80 NM NORTHEAST QUADRANT  
80 NM SOUTHEAST QUADRANT  
60 NM SOUTHWEST QUADRANT  
60 NM NORTHWEST QUADRANT

18 HRS, VALID AT:

**231800Z 18.8°N/87.7°E**

MAX SUSTAINED WINDS: 35 KT, GUSTS 45 KT

**RADIUS OF 027KT WINDS:**

150 NM NORTHEAST QUADRANT  
150 NM SOUTHEAST QUADRANT  
140 NM SOUTHWEST QUADRANT  
130 NM NORTHWEST QUADRANT

**RADIUS OF 034KT WINDS:**

80 NM NORTHEAST QUADRANT  
80 NM SOUTHEAST QUADRANT  
60 NM SOUTHWEST QUADRANT  
60 NM NORTHWEST QUADRANT

24 HRS, VALID AT:

**240000Z 19.3°N/88.2°E**

MAX SUSTAINED WINDS: 35 KT, GUSTS 45 KT

**RADIUS OF 027KT WINDS:**

150 NM NORTHEAST QUADRANT  
150 NM SOUTHEAST QUADRANT  
140 NM SOUTHWEST QUADRANT  
130 NM NORTHWEST QUADRANT

**RADIUS OF 034KT WINDS:**

80 NM NORTHEAST QUADRANT  
80 NM SOUTHEAST QUADRANT  
60 NM SOUTHWEST QUADRANT  
60 NM NORTHWEST QUADRANT

36 HRS, VALID AT:

**241200Z 20.2°N/89.1°E**

MAX SUSTAINED WINDS: 35 KT, GUSTS 45 KT

**RADIUS OF 027KT WINDS:**

150 NM NORTHEAST QUADRANT  
150 NM SOUTHEAST QUADRANT  
140 NM SOUTHWEST QUADRANT  
130 NM NORTHWEST QUADRANT

**RADIUS OF 034KT WINDS:**

80 NM NORTHEAST QUADRANT  
80 NM SOUTHEAST QUADRANT  
60 NM SOUTHWEST QUADRANT  
60 NM NORTHWEST QUADRANT



48 HRS, VALID AT:

**250000Z 21.1°N/89.8°E**

MAX SUSTAINED WINDS: 30 KT, GUSTS 40 KT

**RADIUS OF 027KT WINDS:**

- 150 NM NORTHEAST QUADRANT
- 150 NM SOUTHEAST QUADRANT
- 140 NM SOUTHWEST QUADRANT
- 130 NM NORTHWEST QUADRANT

60 HRS, VALID AT:

**251200Z 21.9°N/90.3°E**

MAX SUSTAINED WINDS: 30 KT, GUSTS 40 KT

**RADIUS OF 027KT WINDS:**

- 150 NM NORTHEAST QUADRANT
- 150 NM SOUTHEAST QUADRANT
- 140 NM SOUTHWEST QUADRANT
- 130 NM NORTHWEST QUADRANT

72 HRS, VALID AT:

**260000Z 22.8°N/90.7°E**

MAX SUSTAINED WINDS: 15 KT, GUSTS 25 KT

\*\*\*\*\*