

1	Deep depression over the southwest bay of Bengal and adjoining equatorial Indian ocean	03-03-2022	06-03-2022
2	Deep depression over north Andaman sea and adjoining areas of southeast and eastcentral bay of Bengal	20-03-2022	23-03-2022
3	Asani over bay of Bengal	07-05-2022	12-05-2022
4	Depression over gulf of Martaban and adjoining Myanmar	20-05-2022	21-05-2022
5	Depression over northeast Arabian sea	16-07-2022	18-07-2022
6	Depression over coastal Odisha & neighbourhood	09-08-2022	10-08-2022
7	Depression over northeast Arabian sea	12-08-2022	13-08-2022
8	Depression over northwest bay of Bengal	14-08-2022	16-08-2022
9	Deep depression over northwest bay of Bengal	19-08-2022	23-08-2022
10	Depression over south coastal Odisha and neighbourhood	11-09-2022	12-09-2022
11	Sitrang over Bay of Bengal	22-10-2022	25-10-2022
12	Depression over Bay of Bengal during	20-11-2022	22-11-2022
13	Severe Cyclonic Storm Mandous over Bay of Bengal	06-12-2022	10-12-2022
14	Deep Depression over Arabian Sea	14-12-2022	17-12-2022
15	Depression over Bay of Bengal	22-12-2022	25-12-2022

Table 1: Best track positions and other parameters of the Deep Depression over the Bay of Bengal during 3rd -6th March, 2022

[illegible]

Table 2: Best track positions and other parameters of the Deep Depression over the southeast Bay of Bengal during 20 March- 23 March, 2022

Date	Time (UTC)	Centre lat. ^o N/ long. ^o E		C.I. NO.	Estimated Central Pressure (hPa)	Estimated Maximum Sustained Surface Wind (kt)	Estimated Pressure drop at the Centre (hPa)	Grade
20.03.2022	0000	09.8	92.5	1.5	1002	25	3	D
	0300	10.1	92.6	1.5	1002	25	3	D
	0600	10.4	92.9	1.5	1002	25	3	D
	1200	10.9	93.2	1.5	1002	25	3	D
	1800	11.3	93.4	1.5	1001	25	4	D
21.03.2022	0000	11.9	93.7	2.0	1000	30	5	DD
	0300	12.3	93.8	2.0	1000	30	5	DD
	0600	12.6	93.9	2.0	1000	30	5	DD
	1200	13.3	94.0	2.0	1000	30	5	DD
	1800	14.0	94.0	2.0	1000	30	5	DD
22.03.2022	0000	14.9	94.2	2.0	1000	30	5	DD
	0300	15.2	94.2	2.0	1000	30	5	DD
	0600	15.8	94.2	2.0	1000	30	5	DD
		Crossed Myanmar coast during 0800-0900 UTC near 16 ^o N/94.2 ^o E with maximum sustained wind speed of 30 kt gusting to 40 kt						
	0900	16.3	94.3	-	1000	30	5	DD
	1200	16.6	94.4	-	1001	25	4	D
	1800	17.6	94.5	1.5	1002	25	3	D
		Crossed Myanmar coast during 1900-2000 UTC near 17.8 ^o N/94.5 ^o E with maximum sustained wind speed of 25 kt gusting to 30 kt						
23.03.2022	0000	19.0	94.6	-	1003	20	3	D

	0300	Weakened into a well marked low pressure area over Myanmar
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Table 3: Best track positions and other parameters of the Severe Cyclonic storm ASANI over Bay of Bengal during 07 - 12 May, 2022

Date	Time (UTC)	Lat.	Long.	C.I. NO.	Estimated Central Pressure (hPa)	Estimated Maximum Sustained Surface Wind (kt)	Estimated Pressure drop at the Centre (hPa)	Grade
07.05.22	0600	9.4	91.3	1.5	996	25	4	D
	1200	10.3	90.4	2.0	995	30	5	DD
	1800	10.8	90.1	2.0	994	30	5	DD
08.05.22	0000	11.3	89.3	2.5	992	35	7	CS
	0300	11.5	89.0	2.5	990	40	8	CS
	0600	11.8	88.7	3.0	988	45	10	CS
	0900	12.0	88.4	3.0	988	45	10	CS
	1200	12.3	88.2	3.0	986	50	12	SCS
	1500	12.7	87.8	3.0	986	50	12	SCS
	1800	13.1	87.5	3.5	984	55	14	SCS
	2100	13.5	87.1	3.5	984	55	14	SCS
09.05.22	0000	13.9	86.8	3.5	983	55	15	SCS
	0300	14.2	86.5	3.5	982	55	16	SCS
	0600	14.6	86.3	3.5	982	55	16	SCS
	0900	14.7	86.0	3.5	982	55	16	SCS
	1200	14.9	85.8	3.5	982	55	16	SCS
	1500	15.0	85.5	3.5	982	55	16	SCS
	1800	15.1	85.2	3.5	982	55	16	SCS
	2100	15.2	84.9	3.5	982	55	16	SCS
10.05.22	0000	15.3	84.6	3.5	982	55	16	SCS

Table 4: Best track positions and other parameters of depression over Gulf of Martaban and adjoining Myanmar (20th -21st May, 2022)

Date	Time (UTC)	Centre lat. / long.		C.I. No.	Estimate d Central Pressure (hPa)	Estimated Maximum Sustained Surface Wind (kt)	Estimated Pressure drop at the Centre (hPa)	Category
20.05.22	0300	16.3	97.3	1.5	1000	25	4	D
	0600	16.4	97.4	1.5	1000	25	4	D
	Crossed South Myanmar coast close to Mawlamyine (Myanmar) near latitude 16.53°N and longitude 97.46°E between 0800 & 0900 UTC (1330 & 1430 hours IST) of 20th May, 2022 with maximum sustained wind speed of 45-55 gusting to 65 kmph							
	0900	16.8	97.6	1.5	998	25	4	D
	1200	17.1	97.8	1.5	999	25	3	D
	1800	17.4	98.0	1.5	999	25	3	D
21.05.22	0000	Weakened into a Well Marked Low Pressure Area over Northwest Thailand and adjoining Myanmar at 0000 UTC of 21st May, 2022.						

Table 5: Best track positions and other parameters of the Depression over Northeast Arabian Sea (16-17 July, 2022)

[illegible]

Table 6: Best track positions and other parameters of the Depression over coastal Odisha (09-10 August, 2022)

Date	Time (UTC)	Centre lat.0 N/ long. 0 E		C.I. NO.	Estimated Central Pressure (hPa)	Estimated Maximum Sustained Surface Wind (kt)	Estimated Pressure drop at the Centre (hPa)	Grade
09.08.22	0300	20.8	85.6	-	990	25	4	D
	0600	20.8	85.3	-	990	25	4	D
	1200	21.2	84.2	-	990	25	4	D
	1800	21.5	83.3	-	991	20	3	D
10.08.22	0000	Weakened into a Well-Marked Low Pressure Area over Chhattisgarh and adjoining east Madhya Pradesh.						

Table 7: BEST TRACK POSITIONS AND OTHER PARAMETERS OF DEPRESSION OVER NORTHEAST ARABIAN SEA (12-13 AUGUST 2022)

[illegible]

Table 8: BEST TRACK POSITIONS AND OTHER PARAMETERS OF DEPRESSION OVER NORTHWEST BAY OF BENGAL (14-16 AUGUST 2022)

[illegible]

Table 9: BEST TRACK POSITIONS AND OTHER PARAMETERS OF DEEP DEPRESSION OVER NORTH BAY OF BENGAL (19-22 AUGUST, 2022)

Date	Time (UTC)	Lat.	Long	C.I.No	Estimated Central Pressure (hPa)	Estimated Maximum Sustained Surface Wind (kt)	Estimated Pressure drop at the Centre (hPa)	Category
19.08.22	0000	20.5	89.7	1.5	994	25	4	D
	0300	20.8	89.2	1.5	994	25	4	D
	0600	21.1	88.8	2.0	993	30	5	DD
	1200	21.5	88.1	2.0	992	30	6	DD
	Crossed West Bengal and adjoining North Odisha coasts between Balasore and Sagar Islands, close to Digha during 1330 to 1430 UTC of 19th August.							
	1500	21.8	87.6	-	992	30	6	DD
	1800	22.1	87.0	-	992	30	6	DD
20.08.22	0000	22.5	86.0	-	992	30	6	DD
	0300	22.6	85.6	-	992	30	6	DD
	0600	22.9	84.8	-	993	30	5	DD
	1200	23.3	83.6	-	993	30	5	DD
	1800	23.5	82.9	-	993	30	5	DD
21.08.22	0000	23.7	82.2	-	994	25	4	D
	0300	23.8	81.7	-	994	25	4	D
	0600	24.0	81.2	-	994	25	4	D
	1200	24.2	80.5	-	994	25	4	D
	1800	24.25	79.8	-	995	25	4	D

22.08.22	0000	24.3	79.1	-	995	25	4	D
	0300	24.3	78.4	-	995	25	4	D
	0600	24.4	77.8	-	996	25	4	D
	1200	24.4	77.4	-	996	25	4	D
	1800	24.6	76.6	-	997	20	3	D
23.08.22	0000	24.8	76.2	-	997	20	3	D
	0300	Weakened into a Well Marked Low Pressure Area over East Rajasthan and adjoining Northwest Madhya Pradesh.						

Table 10: BEST TRACK POSITIONS AND OTHER PARAMETERS OF DEPRESSION OVER SOUTH COASTAL ODISHA AND NEIGHBOURHOOD (11-12 SEPTEMBER 2022)

[illegible]

Table 11: Best track positions and other parameters of the cyclonic storm “SITRANG” over Bay of Bengal during 22 - 25 October, 2022.

Date	Time (UTC)	Centre lat. / long.		C.I. NO.	Estimated Central Pressure (hPa)	Estimated Maximum Sustained Surface Wind (kt)	Estimated Pressure drop at the Centre (hPa)	Grade
22.10.2022	0300	12.7	92.4	1.5	1004	25	3	D
	0600	13.7	91.3	1.5	1003	25	4	D
	1200	14.2	90.5	1.5	1002	25	4	D
	1800	14.9	89.8	1.5	1002	25	4	D
23.10.2022	0000	15.3	89.0	2.0	1001	30	5	DD
	0300	15.6	88.4	2.0	1000	30	6	DD
	0600	15.9	88.2	2.0	1000	30	6	DD
	1200	16.5	88.1	2.5	999	35	7	CS
	1500	17.0	88.2	2.5	999	35	7	CS
	1800	17.3	88.3	2.5	998	35	7	CS
	2100	17.5	88.4	2.5	997	40	8	CS
24.10.2022	0000	18.0	88.6	2.5	996	40	9	CS
	0300	18.7	88.9	3.0	996	45	10	CS
	0600	19.3	89.2	3.0	996	45	10	CS
	0900	19.9	89.7	3.0	996	45	10	CS
	1200	20.5	89.8	3.0	996	45	10	CS
	1500	21.4	90.2	3.0	996	45	10	CS
	Crossed Bangladesh coast between Tinkona and Sandwip close to Barisal near 22.15N/90.35E with MSW of 45 – 50 knots (80-90 kmph gusting to 100kmph) during 1600-1800 UTC.							

Table 12 : Best track positions and other parameters of the Depression over southwest and adjoining southeast BoB during 20nd-22nd November, 2022

Date	Time (UTC)	Centre lat. ^o N/ long. ^o E		C.I. NO.	Estimated Central Pressure (hPa)	Estimated Maximum Sustained Surface Wind (kt)	Estimate d Pressure drop at the Centre (hPa)	Grade
20.11.2022	0000	10.0	85.5	1.5	1005	25	4	D
	0300	10.0	85.5	1.5	1005	25	4	D
	0600	10.3	85.3	1.5	1005	25	4	D
	1200	10.9	85.0	1.5	1003	25	4	D
	1800	11.4	84.6	1.5	1003	25	4	D
21.11.2022	0000	11.9	84.2	1.5	1003	25	4	D
	0300	12.1	84.0	1.5	1003	25	4	D
	0600	12.6	83.4	1.5	1003	25	4	D
	1200	12.9	82.0	1.5	1003	25	4	D
	1800	13.0	81.7	1.5	1003	25	4	D
22.11.2022	0000	13.1	81.4	1.5	1004	25	4	D
	0300	Weakened into a well marked low pressure area over westcentral and adjoining southwest Bay of Bengal off South Andhra Pradesh-North Tamilnadu coast.						

Table13: Best track positions and other parameters of the severe cyclonic storm “MANDOUS” over Bay of Bengal during 6 - 10 December, 2022.

Date	Time (UTC)	Centre lat. ^o N/ long. ^o E		C.I. NO.	Estimated Central Pressure (hPa)	Estimated Maximum Sustained Surface Wind (kt)	Estimated Pressure drop at the Centre (hPa)	Grade
06.12.22	1200	8.2	88.2	1.5	1000	25	3	D
	1800	8.4	87.0	1.5	1000	25	4	D
07.12.22	0000	8.6	86.3	2.0	999	30	5	DD
	0300	8.7	85.7	2.0	999	30	5	DD
	0600	8.7	85.5	2.0	998	30	5	DD
	1200	8.9	85.0	2.0	998	30	6	DD
	1800	9.2	84.6	2.5	997	35	7	CS
	2100	9.3	84.4	2.5	997	35	7	CS
08.12.22	0000	9.4	84.1	2.5	995	40	8	CS
	0300	9.5	83.8	2.5	994	40	9	CS
	0600	9.7	83.5	3.0	992	45	10	CS
	0900	9.8	83.2	3.0	992	45	10	CS
	1200	10.1	82.9	3.0	990	50	12	SCS
	1500	10.4	82.6	3.0	990	50	12	SCS
	1800	10.6	82.3	3.0	990	50	12	SCS
	2100	10.7	82.0	3.0	990	50	12	SCS
09.12.22	0000	11.0	81.7	3.0	990	50	12	SCS

Table14: Best track positions and other parameters of the Deep Depression over Arabian Sea during 14 - 17 December, 2022.

[illegible]

Table 15: Best track positions and other parameters of the Depression over southwest and adjoining southeast Bay of Bengal during 22 December-25 December, 2022

Date	Time (UTC)	Centre lat. N/ long. E		C.I. NO.	Estimated Central Pressure (hPa)	Estimated Maximum Sustained Surface Wind (kt)	Estimated Pressure drop at the Centre (hPa)	Grade
22.12.2022	0300	9.0	85.0	1.5	1004	25	4	D
	0600	9.5	84.8	1.5	1004	25	4	D
	1200	9.8	84.5	1.5	1004	25	4	D
	1800	10.1	84.2	1.5	1004	25	4	D
23.12.2022	0000	10.1	84.2	1.5	1004	25	4	D
	0300	10.1	84.2	1.5	1004	25	4	D
	0600	10.4	84.8	1.5	1004	25	4	D
	1200	10.6	85.4	1.5	1004	25	4	D
	1800	10.4	85.3	1.5	1004	25	4	D
24.12.2022	0000	10.8	84.5	1.5	1004	25	4	D
	0300	10.7	84.2	1.5	1004	25	4	D
	0600	10.4	83.7	1.5	1004	25	4	D
	1200	9.7	83.0	1.5	1004	25	4	D
	1800	9.3	82.5	1.5	1004	25	4	D
25.12.2022	0000	9.0	82.2	1.5	1004	25	4	D
	0300	8.8	82.0	1.5	1004	25	4	D
	0600	8.5	81.6	1.5	1004	25	4	D
	Crossed Sri Lanka coast to the south of Trincomalee near 8.35N/81.4E during 0800-0900 UTC							
	0900	Weakened into a well marked low pressure area over Sri Lanka.						

Knots: kt, 1 kt = 1.85 kmph, Time in IST= Time in UTC + 0530 hrs

Fig1 :: Best Track parameters of deep depression over southwest Bay of Bengal during 3rd-6th March, 2022

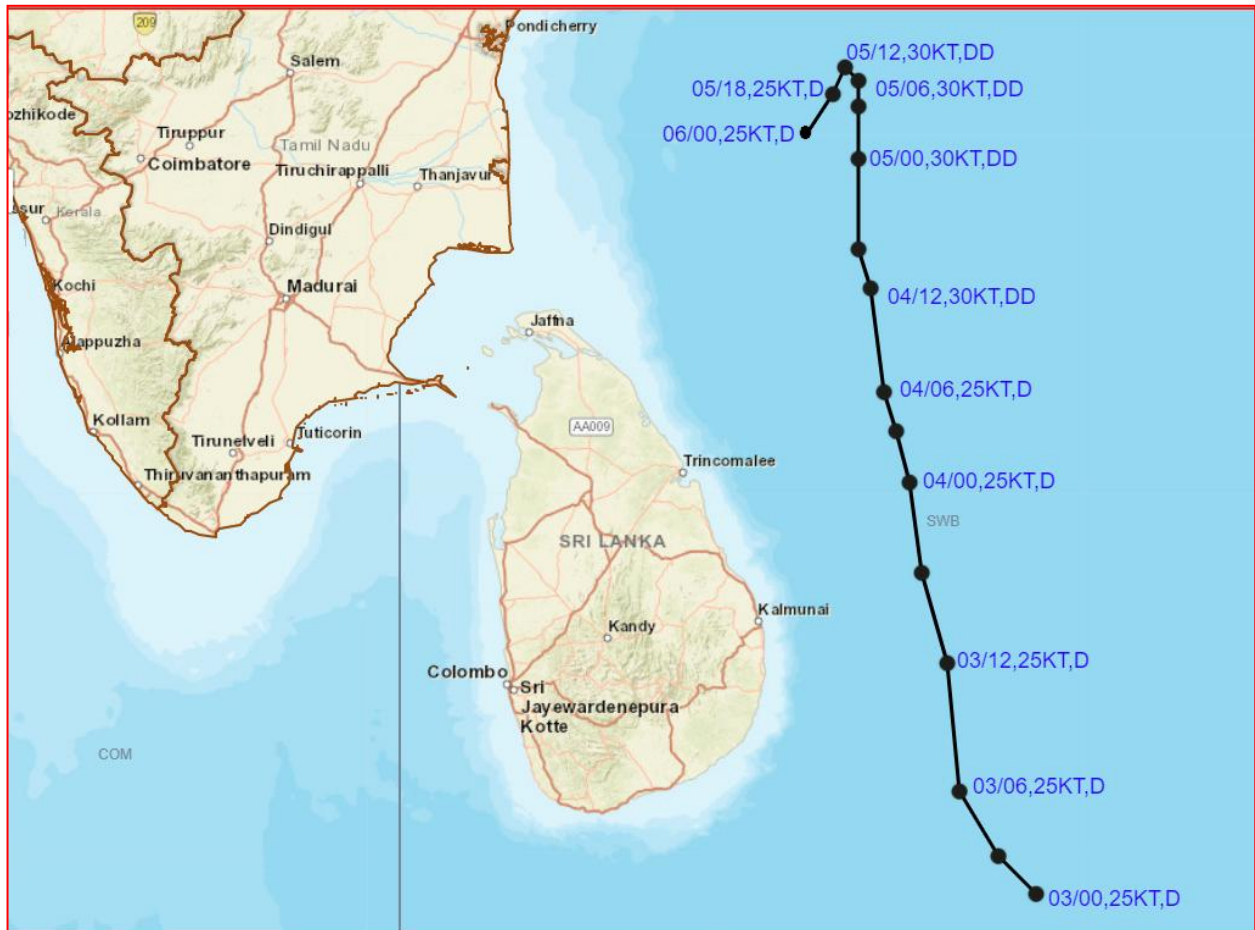


Fig: 2: Best track of deep depression over southeast and adjoining south Andaman Sea during 20th – 23rd March, 2022

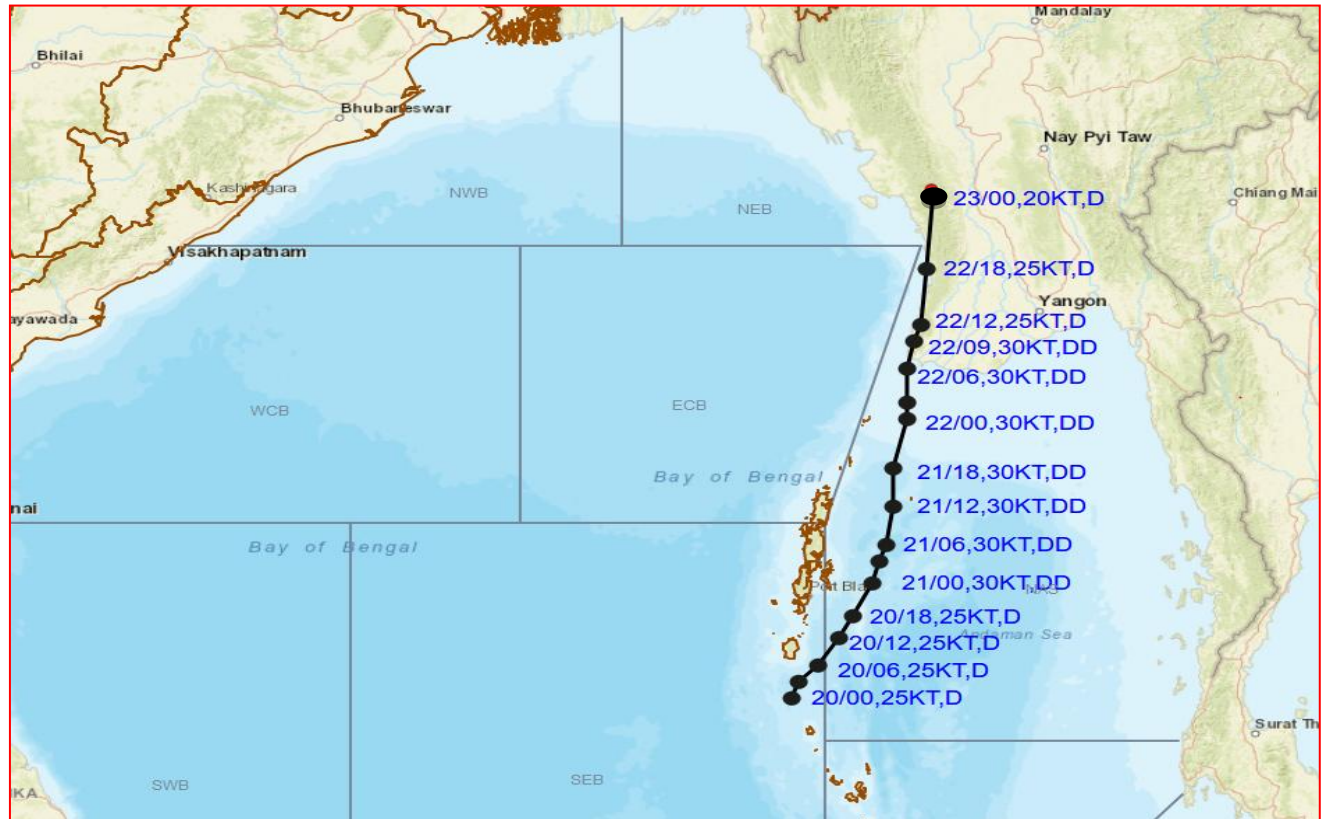


Figure. 3: Observed track of severe cyclonic storm ‘ASANI’ over the Bay of Bengal during 7th - 12th May, 2021

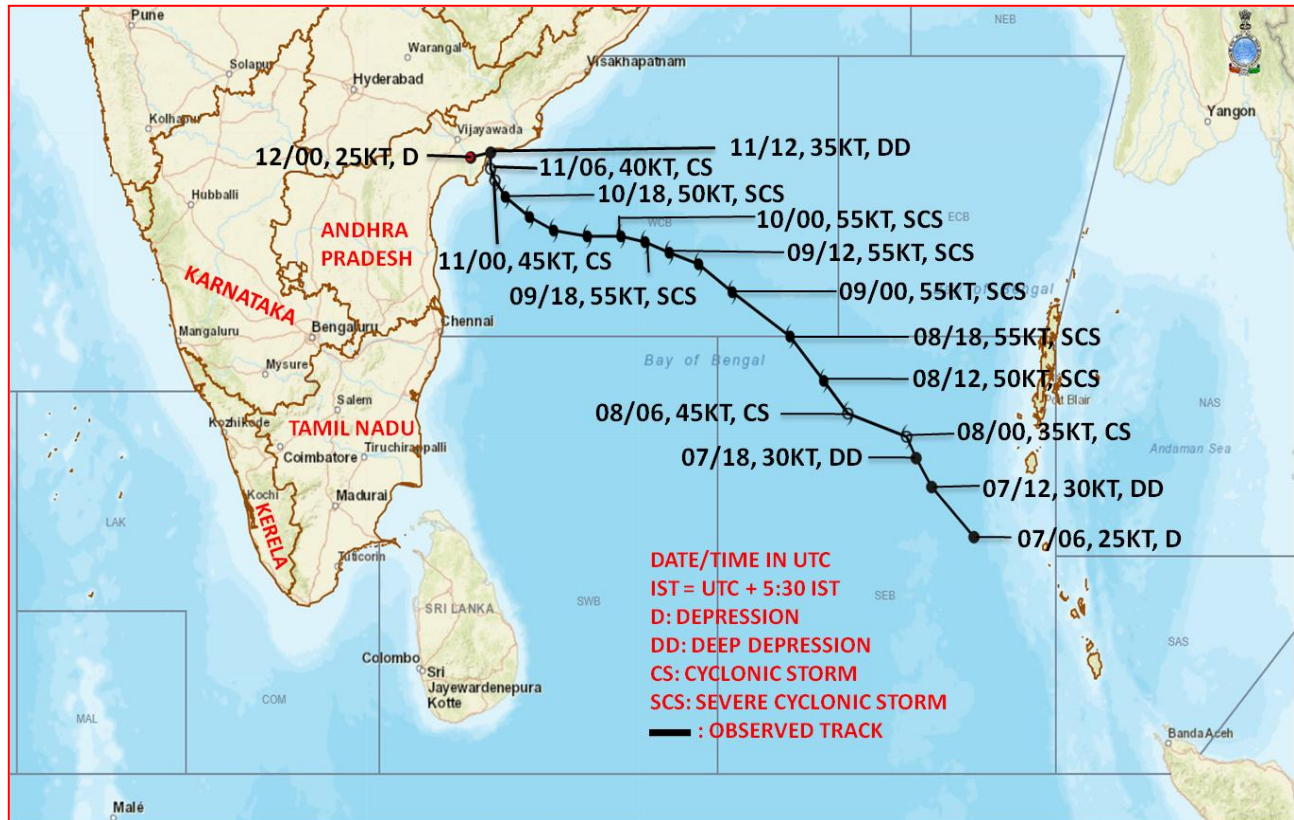


Fig.4: Observed track of depression over Bay of Bengal during 20th-21st May, 2022



Figure 5: Depression over Northeast Arabian Sea (16-17 July, 2022)

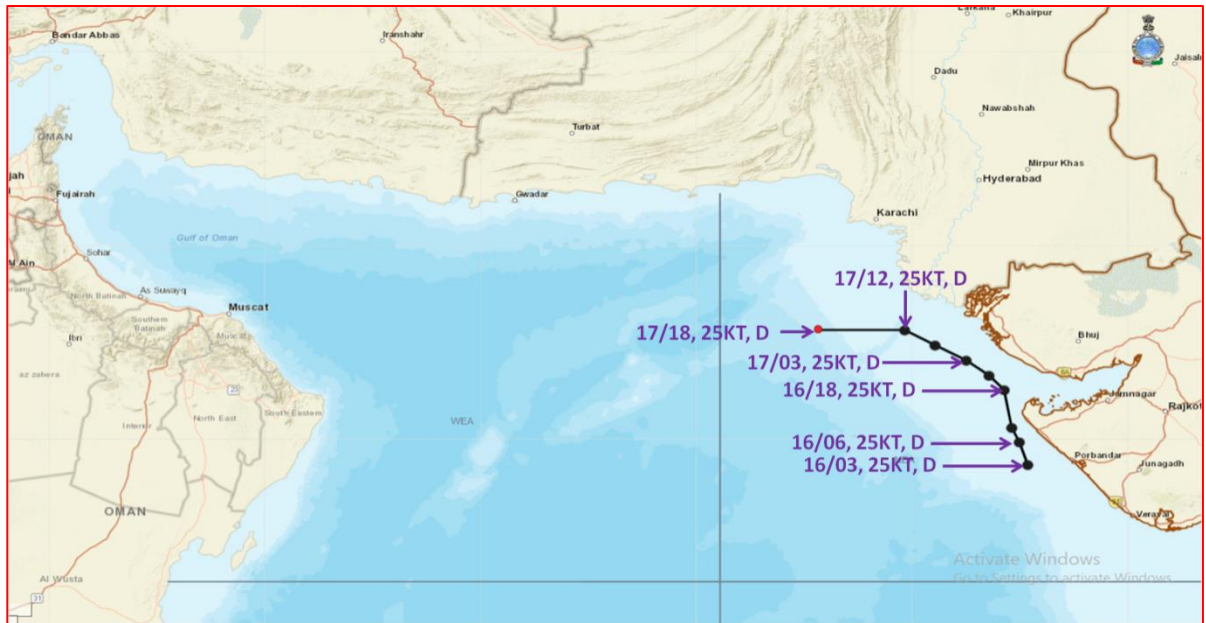


Figure 6: Depression over Depression over coastal Odisha (09-10 August, 2022)



Figure 7: DEPRESSION OVER NORTHEAST ARABIAN SEA (12-13 AUGUST 2022)

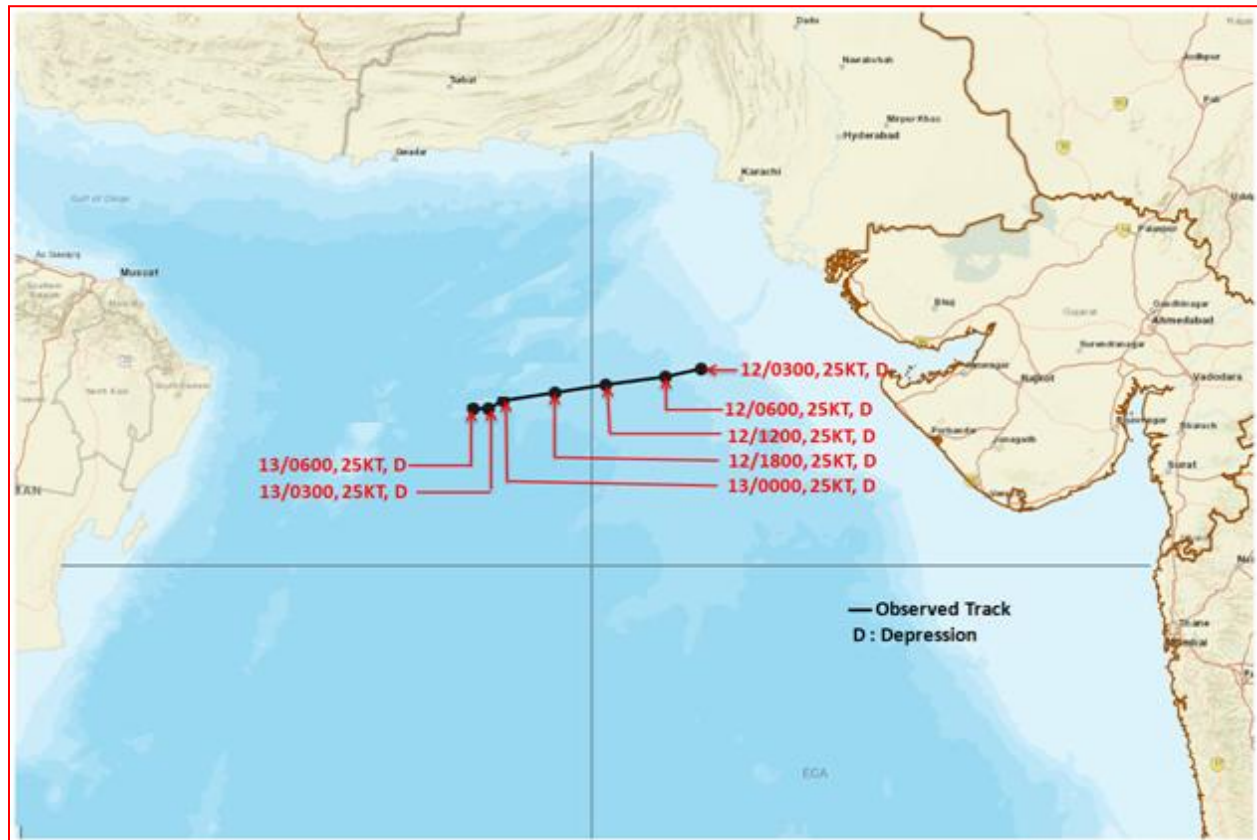


Figure 8: DEPRESSION OVER NORTHWEST BAY OF BENGAL (14-16 AUGUST 2022)



Figure 9: BEST TRACK POSITIONS AND OTHER PARAMETERS OF DEEP DEPRESSION OVER NORTH BAY OF BENGAL (19-23 AUGUST, 2022)

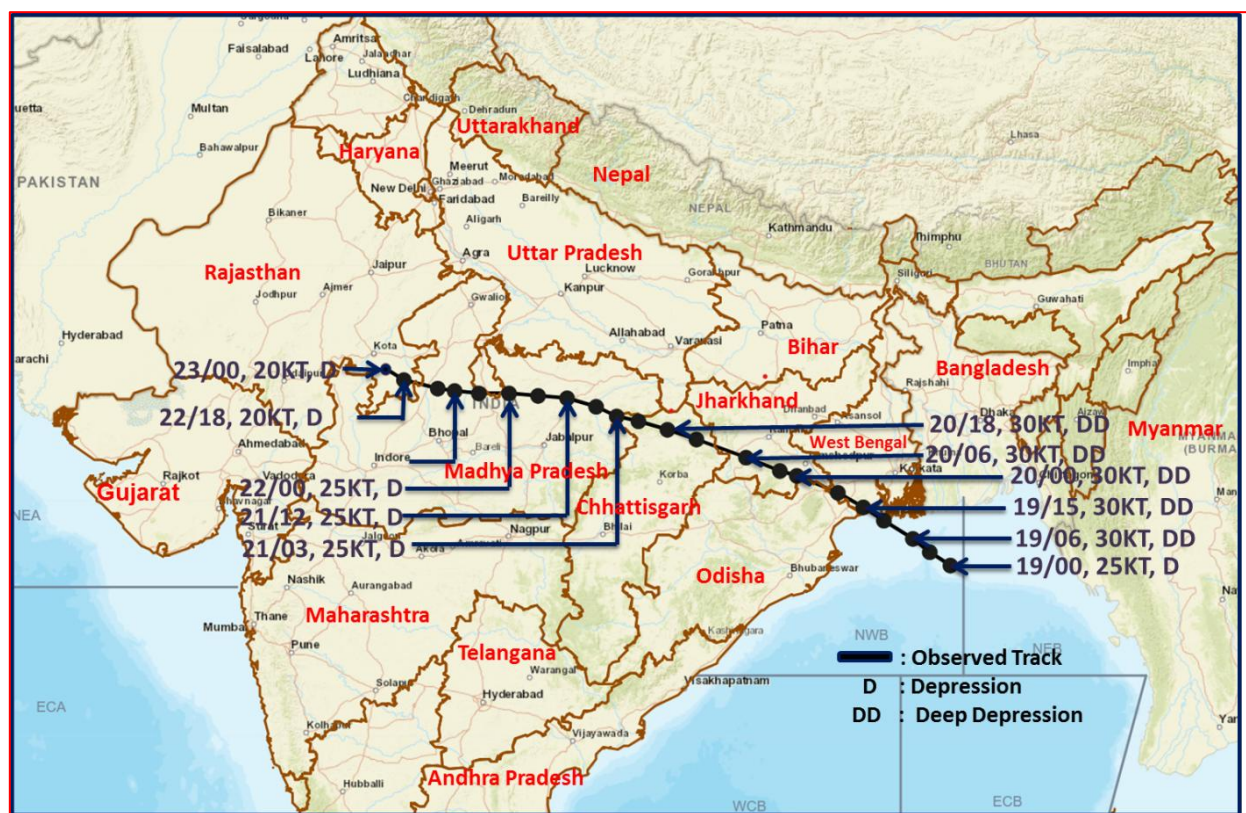


Figure 10: DEPRESSION OVER SOUTH COASTAL ODISHA AND NEIGHBOURHOOD (11-12 SEPTEMBER 2022)



Figure 11: Cyclonic Storm SITRANG OVER Bay Of Bengal (22-25 October 2022)

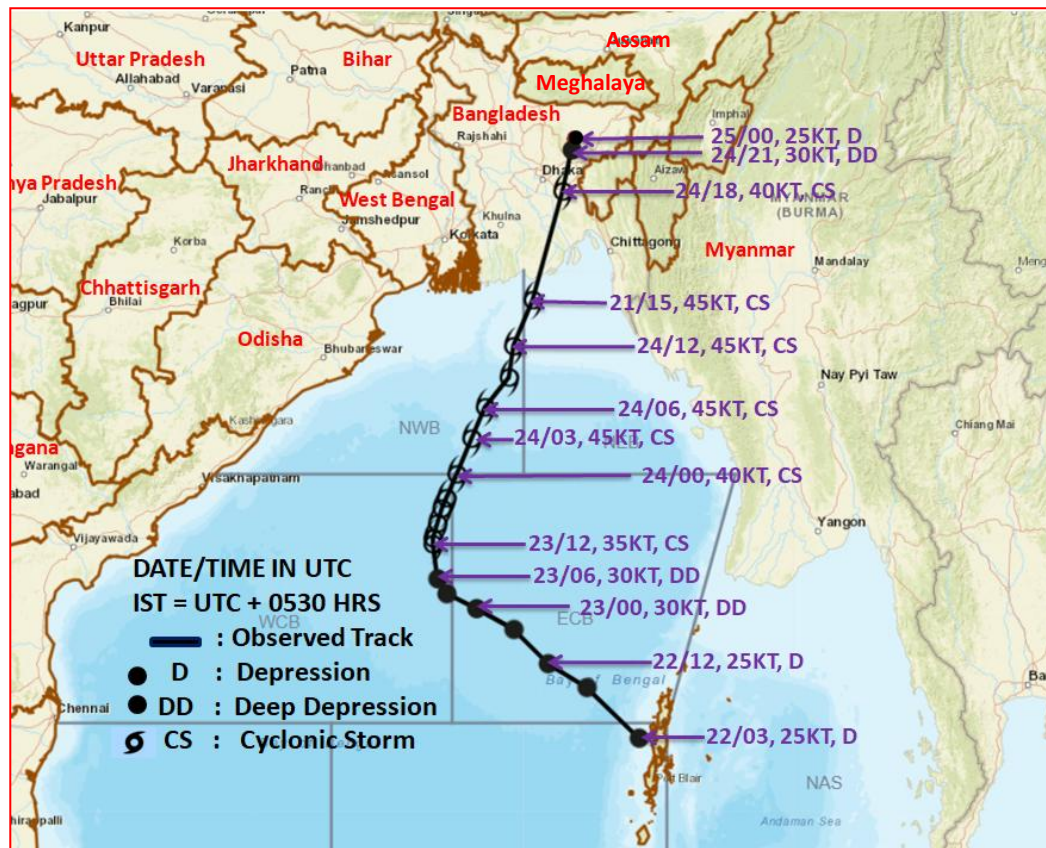


Figure 12: Observed track of the depression over southwest & adjoining southeast BoB (20th – 22nd Nov, 2022)

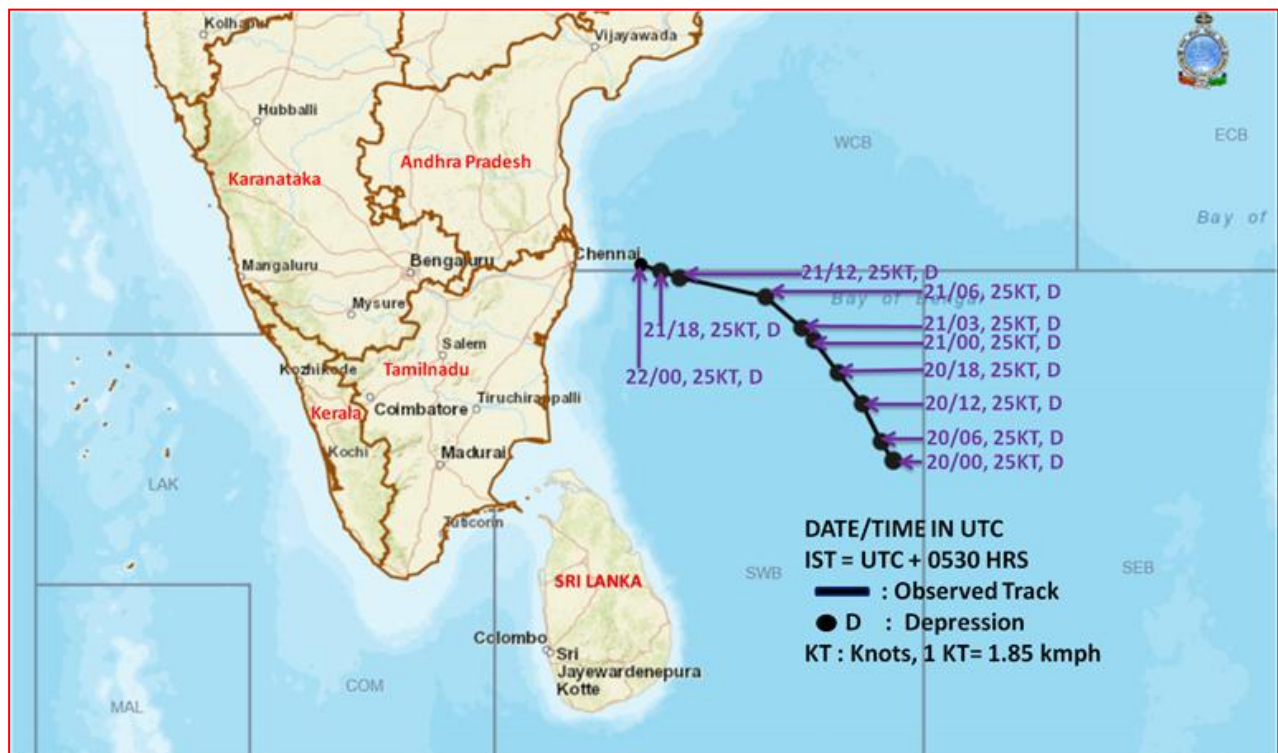


Figure 13: Observed track of severe cyclonic storm 'MANDOUS' over the BoB during 6th-10th December, 2022

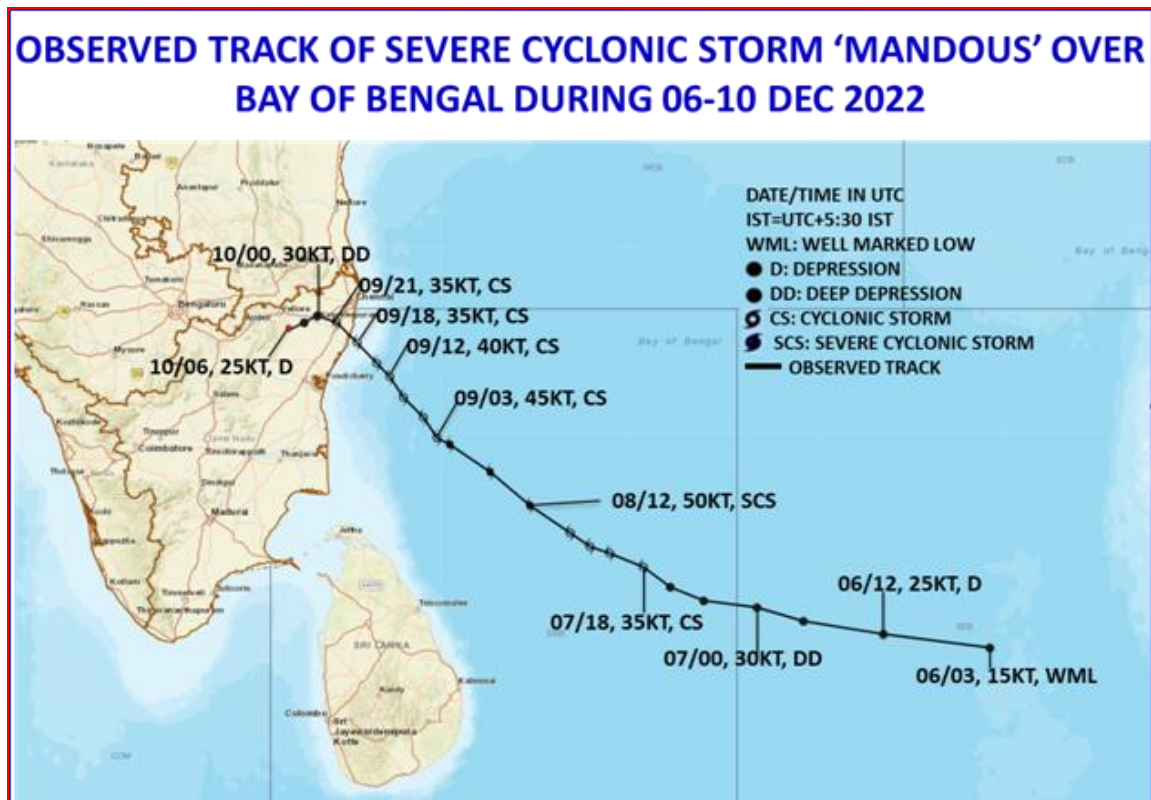


Figure 14: Observed track of Deep Depression over Arabian Sea during 14th to 17th December 2022

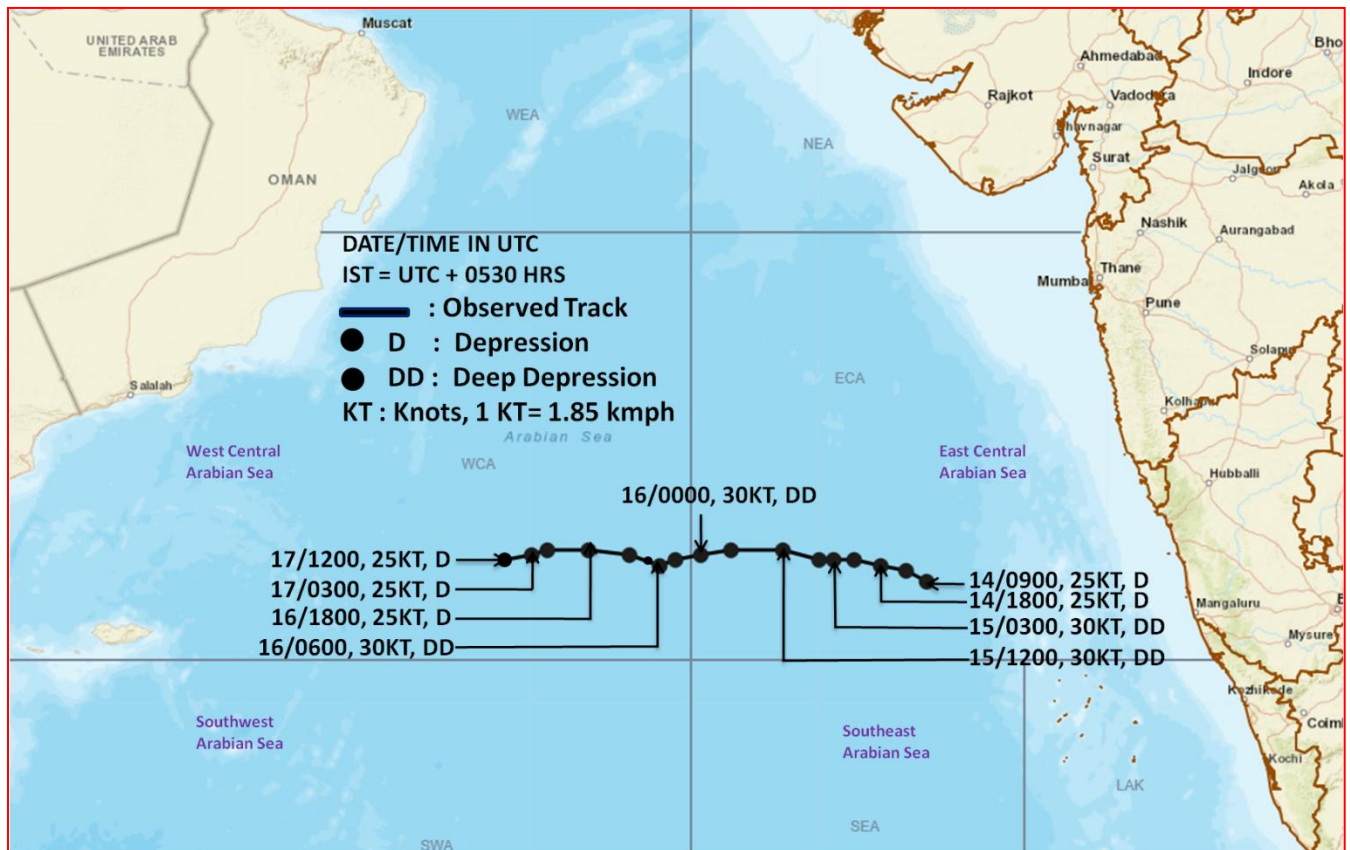


Figure 15: Observed track of Depression over southwest Bay of Bengal during 22nd to 25th December 2022

