

1	Severe Cyclonic Storm REMAL over Bay of Bengal	24-05-2024	28-05-2024
2	Depression over Bay of Bengal	19-07-2024	20-07-2024
3	Deep Depression over North Jharkhand & neighbourhood	02-08-2024	06-08-2024
4	Cyclonic Storm Asna	25-08-2024	02-09-2024
5	Depression over Westcentral Bay of Bengal	31-08-2024	02-09-2024

**Table1: Best track positions and other parameters of the Severe Cyclonic Storm REMAL over Bay of Bengal during 24<sup>th</sup> – 28<sup>th</sup> May, 2024**

<b>Date</b>	<b>Time (UTC)</b>	<b>Lat.</b>	<b>Long.</b>	<b>C.I. NO.</b>	<b>Estimated Central Pressure (hPa)</b>	<b>Estimated Maximum Sustained Surface Wind (kt)</b>	<b>Estimated Pressure drop at the Centre (hPa)</b>	<b>Grade</b>
24.05.24	0000	15.0	88.4	1.5	996	25	3	D
	0300	15.5	88.7	1.5	996	25	3	D
	0600	15.8	88.9	1.5	996	25	3	D
	1200	16.2	89.1	1.5	995	25	3	D
	1800	16.8	89.4	1.5	995	25	3	D
25.05.24	0000	17.6	89.7	2.0	993	30	4	DD
	0300	18.0	89.7	2.0	992	30	5	DD
	0600	18.2	89.7	2.0	991	30	5	DD
	1200	18.8	89.5	2.5	990	35	6	CS
	1500	19.1	89.5	2.5	989	35	7	CS
	1800	19.3	89.4	2.5	988	40	8	CS
	2100	19.4	89.4	2.5	986	45	10	CS
26.05.24	0000	19.5	89.4	3.0	984	50	12	SCS
	0300	19.8	89.3	3.0	984	50	12	SCS
	0600	20.2	89.2	3.5	983	50	13	SCS
	0900	20.6	89.2	3.5	981	55	15	SCS
	1200	21.1	89.2	3.5	978	60	18	SCS
	1500	21.4	89.2	3.5	978	60	18	SCS

		Crossed the Bangladesh & adjoining West Bengal coasts between Sagar islands and Khepupara close to southwest of Mongla near latitude 21.75°N and longitude 89.20°E between 2230 hours IST/1700 UTC of 26 <sup>th</sup> and 0030 hours IST/1900 UTC of 27 <sup>th</sup> May 2024.						
	1800	21.7	89.2	3.5	978	60	18	SCS
	2100	22.0	89.2	-	980	55	16	SCS
27.05.24	0000	22.5	89.2	-	982	45	14	CS
	0300	22.8	89.2	-	984	40	12	CS
	0600	23.0	89.2	-	985	35	11	CS
	0900	23.3	89.3	-	986	35	10	CS
	1200	23.6	89.7	-	987	35	9	CS
	1500	23.8	90.2	-	988	30	8	DD
	1800	24.0	90.5	-	990	30	6	DD
28.05.24	0000	24.4	91.1	-	991	20	5	D
	0300	24.7	91.5	-	992	20	4	D
	0600	25.1	91.8	-	993	20	3	D
	1200	Weakened into a well-marked low-pressure area over Northeast Assam and neighbourhood						

**Table2: Best track positions and other parameters of the Depression over BoB during 19<sup>th</sup> – 20<sup>th</sup> July, 2024**

Date	Time (UTC)	Lat. (°N)	Long. (°E)	C.I. No.	ECP (hPa)	$\Delta P$ (hPa)	MSW (kt)	Category
19.07.24	0300	19.2	86.2	1.5	992	3	25	D
	0600	19.3	86.1	1.5	992	3	25	D
	1200	19.4	85.7	1.5	990	4	25	D
	1800	19.5	85.6	1.5	990	4	25	D
20.07.24	0000	19.6	85.5	1.5	991	4	25	D
	0300	19.6	85.5	1.5	992	3	25	D
	0600	19.7	85.4	1.5	992	3	25	D
	1200	Weakened into a Well-Marked Low-Pressure Area over Coastal Odisha						

**Table3: Best track positions and other parameters of the Deep Depression over North Jharkhand and neighbourhood during 02<sup>nd</sup> – 06<sup>th</sup> August, 2024**

Date	Time (UTC)	Lat. (°N)	Long. (°E)	CI No.	ECP (hPa)	MSW (kt)	ΔP (hPa)	Category	
02.08.24	1200	24.2	85.2	-	992	20	3	D	
	1800	24.2	84.9	-	992	20	3	D	
03.08.24	0000	24.3	84.6	-	991	25	4	D	
	0300	24.4	84.4	-	990	30	5	DD	
	0600	24.5	84.2	-	988	30	6	DD	
	1200	24.8	83.0	-	988	30	7	DD	
	1800	24.8	81.5	-	990	30	6	DD	
04.08.24	0000	24.9	81.0	-	990	30	6	DD	
	0300	25.0	80.7	-	991	30	6	DD	
	0600	25.3	79.6	-	992	30	5	DD	
	1200	25.8	78.4	-	992	30	5	DD	
	1800	26.0	77.6	-	993	30	5	DD	
05.08.24	0000	26.3	76.2	-	994	25	4	D	
	0300	26.5	75.6	-	994	25	4	D	
	0600	26.8	75.2	-	994	25	3	D	
	1200	27.6	73.5	-	994	20	3	D	
	1800	28.8	72.0	-	996	20	3	D	
06.08.24	0000	Weakened into a Well-Marked Low-Pressure area over central parts of Pakistan and adjoining northwest Rajasthan.							

**Table4: Best track positions and other parameters of the Cyclonic Storm ASNA over Land/Arabian Sea during 25<sup>th</sup> August – 02<sup>nd</sup> September, 2024**

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
25.08.24	0000	24.5	77.3	-	997	20	3	D
	0300	24.6	76.9	-	997	20	3	D
	0600	24.6	76.5	-	996	20	4	D
	1200	24.4	75.6	-	996	25	4	D
	1800	24.3	74.7	-	995	30	5	DD
26.08.24	0000	24.2	74.2	-	995	30	5	DD
	0300	24.1	74.0	-	995	30	5	DD
	0600	23.8	73.6	-	995	30	5	DD
	1200	23.8	73.0	-	995	30	5	DD
	1800	23.8	72.4	-	995	30	5	DD
27.08.24	0000	23.8	72.2	-	995	30	5	DD
	0300	23.8	72.0	-	995	30	5	DD
	0600	23.7	71.7	-	995	30	5	DD
	1200	23.7	71.0	-	995	30	5	DD
	1800	23.7	70.6	-	995	30	5	DD
28.08.24	0000	23.7	70.0	-	995	30	5	DD
	0300	23.7	69.7	-	995	30	5	DD
	0600	23.7	69.7	-	994	30	5	DD
	1200	23.7	69.7	-	994	30	5	DD
	1800	23.7	69.7	-	994	30	5	DD
29.08.24	0000	23.7	69.5	-	994	30	5	DD
	0300	23.7	69.4	-	994	30	5	DD
	0600	23.7	69.4	-	994	30	5	DD
	1200	23.6	69.2	-	994	30	5	DD
	1800	23.6	69.0	-	994	30	5	DD
30.08.24	0000	23.5	68.4	-	994	30	5	DD
	0300	23.5	68.2	2.0	994	30	5	DD
	0600	23.5	67.9	2.5	992	35	6	CS
	0900	23.5	67.5	2.5	992	35	6	CS
	1200	23.5	67.2	2.5	992	35	6	CS
	1500	23.5	67.0	2.5	991	35	7	CS
	1800	23.6	66.4	2.5	991	35	7	CS
2100	23.6	66.2	2.5	991	35	7	CS	

31.08.24	0000	23.6	65.8	2.5	990	40	8	CS
	0300	23.6	65.3	2.5	990	40	8	CS
	0600	23.6	64.9	2.5	990	40	8	CS
	0900	23.6	64.4	2.5	990	40	8	CS
	1200	23.6	64.4	2.5	990	40	8	CS
	1500	23.6	63.7	2.5	990	40	8	CS
	1800	23.5	63.7	2.5	990	40	8	CS
	2100	23.4	63.0	2.5	990	40	8	CS
01.09.24	0000	23.2	62.6	2.5	990	40	8	CS
	0300	23.0	62.3	2.5	992	35	7	CS
	0600	22.7	62.0	2.5	994	35	6	CS
	0900	22.5	61.8	2.5	994	35	6	CS
	1200	22.2	61.7	2.0	996	30	5	DD
	1800	21.7	61.5	2.0	997	30	5	DD
02.09.24	0000	21.2	61.3	1.5	998	20	4	D
	0300	20.9	61.2	1.5	999	20	3	D
	0600	Weakened into a well-marked low-pressure area over Northwest Arabian Sea.						

**Table5: Best track positions and other parameters of the Depression over northwest Bay of Bengal during 31<sup>th</sup> August – 02<sup>nd</sup> September, 2024**

<b>Date</b>	<b>Time (UTC)</b>	<b>Lat.</b>	<b>Long.</b>	<b>C.I. NO.</b>	<b>Estimated Central Pressure (hPa)</b>	<b>Estimated Maximum Sustained Surface Wind (KT)</b>	<b>Estimated Pressure drop at the Centre (hPa)</b>	<b>Grade</b>
31.08.24	0000	17.5	84.6	1.5	999	25	3	D
	0300	17.7	84.5	1.5	999	25	3	D
	0600	17.9	84.3	1.5	998	25	4	D
	1200	18.1	84.0	1.5	996	25	4	D
	1800	18.2	83.8	1.5	996	25	4	D
01.09.24	0000	18.5	83.0	1.5	996	25	4	D
	0300	18.7	82.4	1.5	998	25	4	D
	0600	18.7	82.1	1.5	999	20	3	D
	1200	19.0	81.2	1.5	999	20	3	D
	1800	19.3	80.4	1.5	999	20	3	D
02.09.24	0000	19.6	80.0	1.5	999	20	3	D
	0300	19.8	79.9	1.5	999	20	3	D
	0600	19.8	79.5	1.5	999	20	3	D
	1200	Weakened into a well-marked low-pressure area over central parts of Vidarbha and neighbourhood.						



Fig. 1: Observed track of the Severe Cyclonic Storm REMAL over Bay of Bengal during 24<sup>th</sup> – 28<sup>th</sup> May, 2024.

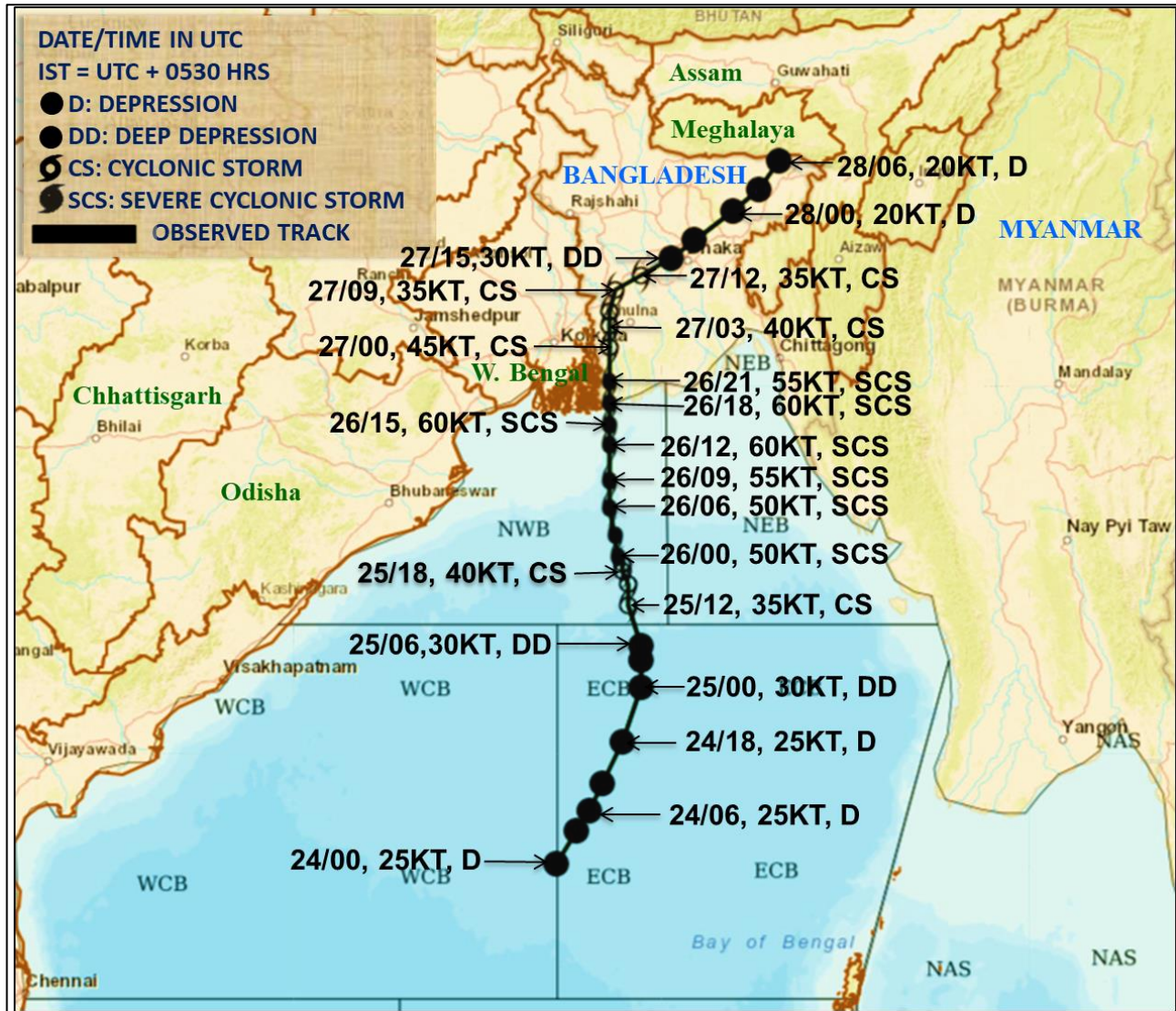


Fig2: Graphical track of the Depression over BoB during 19<sup>th</sup> – 20<sup>th</sup> July, 2024

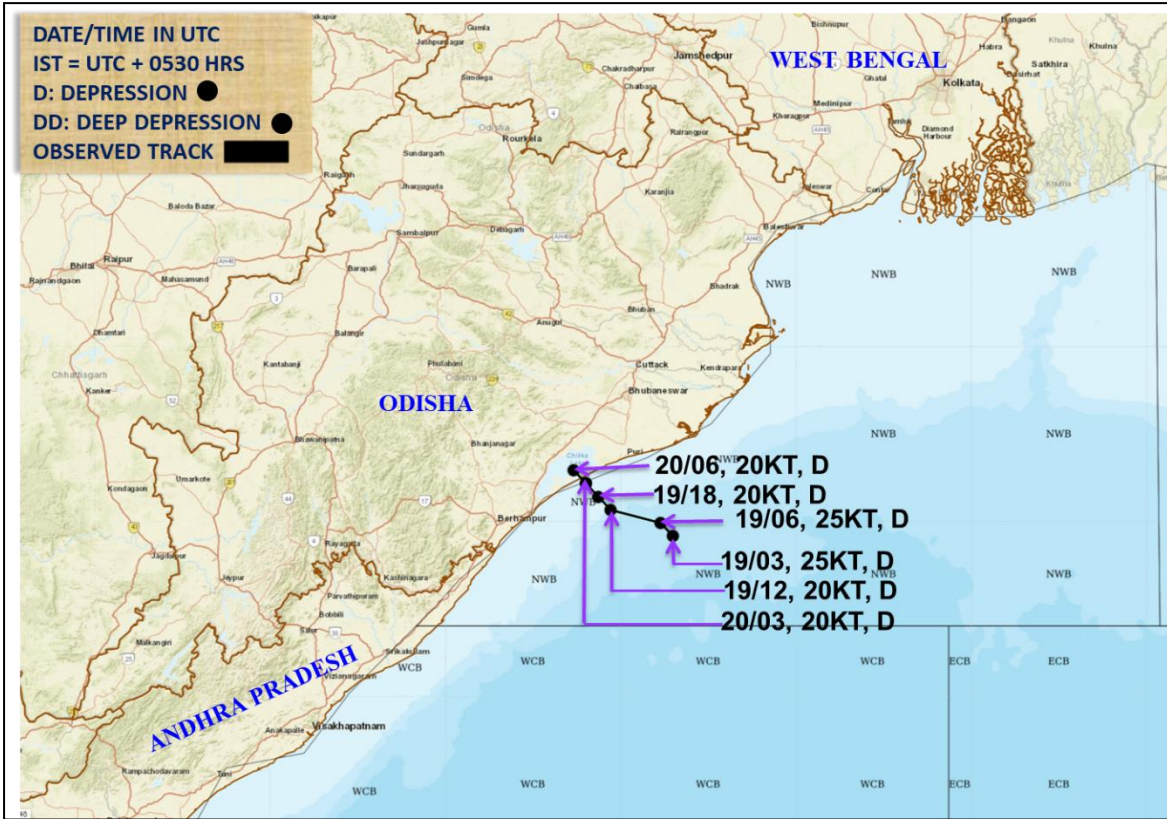
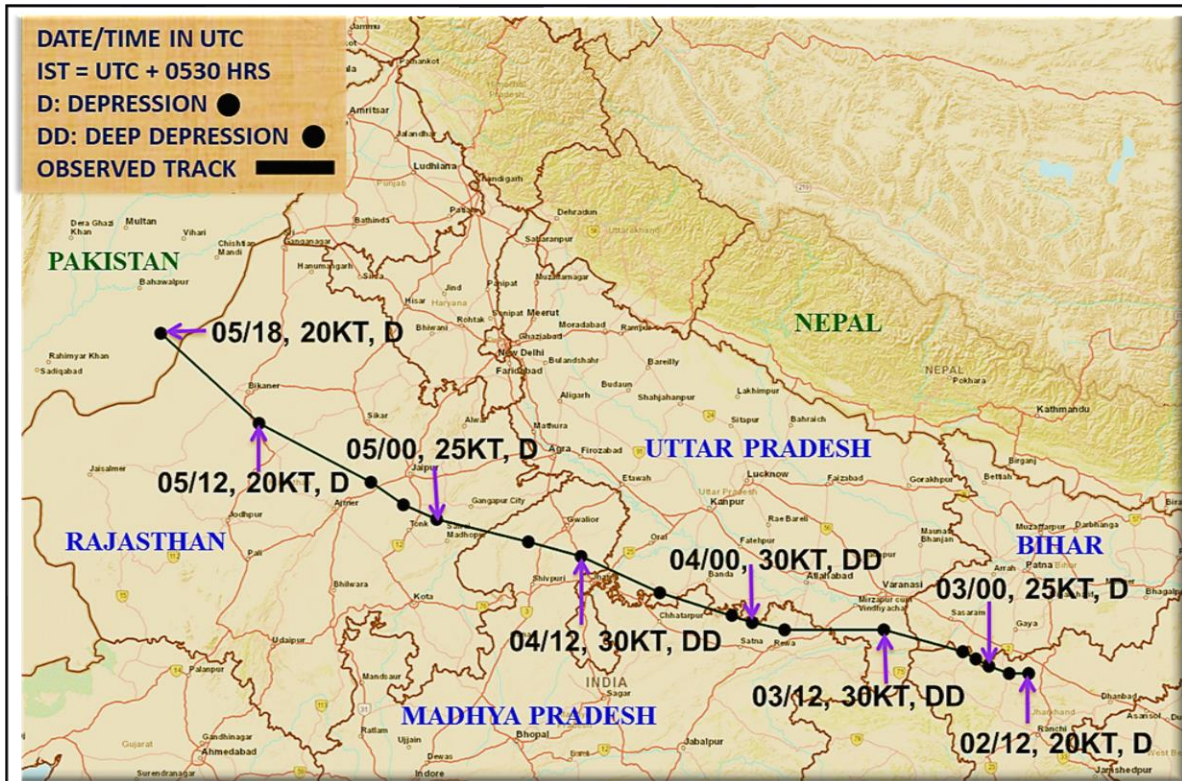
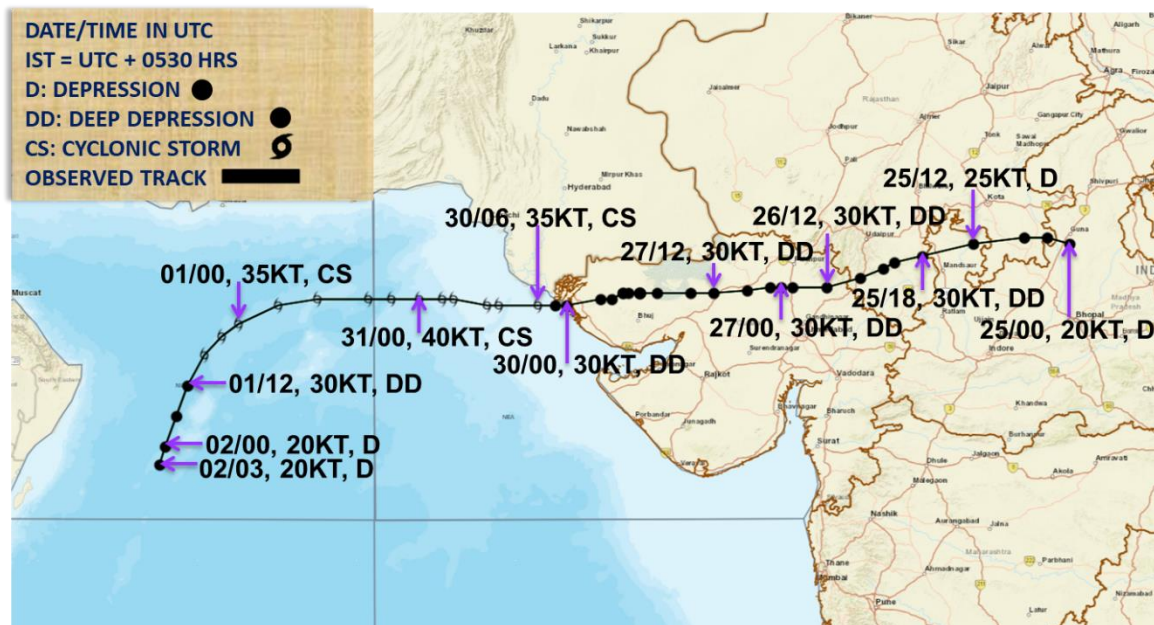


Fig3: Graphical track of the Deep Depression over North Jharkhand & neighbourhood during 02nd – 06th August, 2024



**Fig4: Track of Cyclonic Storm Asna during 25<sup>th</sup> August-02<sup>nd</sup> September from the stage of depression**



**Fig 5: Graphical track of the Depression over Westcentral Bay of Bengal (31 August-02 September)**

