

**GOVERNMENT OF INDIA  
MINISTRY OF HOME AFFAIRS**

**LOK SABHA  
UNSTARRED QUESTION NO. 4176**

**TO BE ANSWERED ON THE 29<sup>TH</sup> MARCH, 2022/CHAITRA 8, 1944 (SAKA)**

**NATIONAL CYCLONE RISK MITIGATION PROJECT**

**4176. SHRI VISHNU DAYAL RAM:**

**Will the Minister of HOME AFFAIRS be pleased to state:**

**(a) whether the National Cyclone Risk Mitigation Project has helped to prevent casualties in its first phase;**

**(b) if so, the details thereof;**

**(c) the measures taken/being taken by the Government under the project to mitigate cyclone risk;**

**(d) the number of resources utilized for the first phase of the project; and**

**(e) the potential resources required for the second phase of the project ?**

**ANSWER**

**MINISTER OF STATE IN THE MINISTRY OF HOME AFFAIRS  
(SHRI NITYANAND RAI)**

**(a) & (b): Yes Sir. National Cyclone Risk Mitigation Project (NCRMP) aims at minimizing the vulnerability to the cyclone and making people and infrastructure disaster resilient. With the measures taken under NCRMP, including components of multi-purpose cyclone shelters (MPCS) and Early Warning Systems (EWS), coupled with very accurate and timely forecasts given by the India Meteorological Department (IMD), there is a significant reduction in casualties during cyclones in the country.**

**(c) to (e): NCRMP is a World Bank assisted centrally sponsored scheme, being implemented in the 8 coastal States, in two phases. Two States were covered in Phase-I, namely, Andhra Pradesh and Odisha; and six States are covered in Phase- II, namely Goa, Gujarat, Karnataka, Kerala, Maharashtra and West Bengal. The project has the following four components:**

- i. Component A: Early Warning Dissemination System (EWDS), the state of the art multi-technology option (Alert Siren, Satellite Radio, Mass Messaging, etc.), to provide reliable communication and ensuring last mile connectivity during disaster.**
- ii. Component B: Cyclone Risk Mitigation Infrastructure (CRMI), to enhance the preparedness and mitigate the vulnerability of the coastal communities through investments for construction of multi-purpose cyclone shelters (MPCS), roads, bridges and saline embankments.**
- iii. Component C: Technical Assistance for Capacity Building on multi hazard risk management.**
- iv. Component D: Project Management and Monitoring.**

**Component A, C & D are fully financed by the Central Government and component B is financed by Central and State Governments in the ratio of 75:25. Outlay of NCRMP Phase-I was Rs. 2541.60 crore and the**

**project had been completed in December, 2018. NCRMP Phase-II is having a revised financial outlay of Rs. 2059.83 crore, with revised date of completion as 15th September, 2022. An amount of Rs. 1650.72 Crore has been released for the project till 28th February, 2022 and an expenditure of Rs. 1474.46 Crore has been incurred till 31st December, 2021.**

**Details of status of infrastructure projects under Phase-I and Phase-II are given in Annexure.**

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**Annexure referred to in reply to part (c) to (e) of the Lok Sabha Unstarred Question No. 4176 due for answer on 29.03.2022**

**Details of status of infrastructure projects under Phase-I and Phase-II**

**(I) Early Warning Dissemination Systems (EWDS)**

**(a) Phase-I**

<b>Sl. No.</b>	<b>Item</b>	<b>Andhra Pradesh</b>	<b>Odisha</b>
<b>1.</b>	<b>Sites/Locations (No.)</b>	<b>255</b>	<b>122</b>
<b>2.</b>	<b>Alert Sirens (No.)</b>	<b>153</b>	<b>122</b>
<b>3.</b>	<b>Digital Mobile Radio (DMR) Installation (No.)</b>	<b>238</b>	<b>238</b>
<b>4.</b>	<b>Satellite Terminal (No.)</b>	<b>20</b>	<b>14</b>

**(b) Phase-II - Installation and commissioning of EWDS is identified for three States namely Goa, Karnataka and Kerala at a financial outlay of Rs. 126.73 Crore. The timeline for completion of EWDS in these States is 15<sup>th</sup> September, 2022.**

**(II) Cyclone Risk Mitigation Infrastructure (CRMI)**

**(a) Phase-I**

<b>Sub-component</b>	<b>Andhra Pradesh</b>	<b>Odisha</b>	<b>Total</b>
<b>Multi-Purpose Cyclone Shelters (No.)</b>	<b>219</b>	<b>316</b>	<b>535</b>
<b>Roads (Km)</b>	<b>698.02</b>	<b>388.50</b>	<b>1086.52</b>
<b>Bridge (No.)</b>	<b>34</b>	<b>-</b>	<b>34</b>
<b>Saline Embankment (Km)</b>	<b>29.90</b>	<b>58.22</b>	<b>88.12</b>

**(b) Phase-II (status till 28.02.2022)**

**(i) Multi-Purpose Cyclone Shelters:-**

<b>SI No.</b>	<b>State Project Implementation Unit</b>	<b>Planned (in Numbers)</b>	<b>Completed</b>	<b>Under execution</b>
<b>1</b>	<b>Goa</b>	<b>12</b>	<b>05</b>	<b>07</b>
<b>2</b>	<b>Gujarat</b>	<b>76</b>	<b>66</b>	<b>10</b>
<b>3</b>	<b>Karnataka</b>	<b>11</b>	<b>09</b>	<b>02</b>
<b>4</b>	<b>Kerala</b>	<b>17</b>	<b>11</b>	<b>06</b>
<b>5</b>	<b>West Bengal</b>	<b>146</b>	<b>146</b>	<b>-</b>
	<b>Total</b>	<b>262</b>	<b>237</b>	<b>25</b>

**(ii) Under Ground Cabling:-**

<b>SI No.</b>	<b>State Project Implementation Unit</b>	<b>Planned (in Kilometers)</b>	<b>Completed</b>	<b>Under execution</b>
<b>1</b>	<b>Goa</b>	<b>315</b>	<b>315</b>	<b>-</b>
<b>2</b>	<b>Maharashtra</b>	<b>471</b>	<b>290.47</b>	<b>180.53</b>
<b>3</b>	<b>West Bengal</b>	<b>472.46</b>	<b>472.46</b>	<b>-</b>
	<b>Total</b>	<b>1258.46</b>	<b>1077.93</b>	<b>180.53</b>

**(iii) Roads:-**

<b>SINo.</b>	<b>State Project Implementation Unit</b>	<b>Planned (in Kilometers)</b>	<b>Completed</b>
<b>1</b>	<b>Gujarat</b>	<b>157</b>	<b>157</b>
<b>2</b>	<b>Karnataka</b>	<b>48</b>	<b>48</b>
	<b>Total</b>	<b>205</b>	<b>205</b>

**(iv) Saline Embankments:-**

<b>SI No.</b>	<b>State Project Implementation Unit</b>	<b>Planned (in Kilometers)</b>	<b>Completed</b>	<b>Under execution</b>
<b>1</b>	<b>Karnataka</b>	<b>7.8</b>	<b>4.91</b>	<b>2.89</b>
<b>2</b>	<b>Maharashtra</b>	<b>22.26</b>	<b>15.18</b>	<b>7.08</b>
	<b>Total</b>	<b>30.06</b>	<b>20.09</b>	<b>9.97</b>

**(v) Bridges:-**

<b>SI No.</b>	<b>State Project Implementation Unit</b>	<b>Planned (in Numbers)</b>	<b>Completed</b>	<b>Under execution</b>
<b>1</b>	<b>Karnataka</b>	<b>02</b>	<b>-</b>	<b>02</b>

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