

**GOVERNMENT OF INDIA**

**MINISTRY OF HOUSING AND URBAN AFFAIRS**

**RAJYA SABHA**

**STARRED QUESTION NO. 112**

**TO BE ANSWERED ON JULY 31, 2023**

**POOR URBAN PLANNING**

**NO. 112. DR. AMEE YAJNIK:**

**Will the Minister of HOUSING AND URBAN AFFAIRS be pleased to state:-**

- (a) whether it is a fact that cities across the country get flooded during rains which exposes poor urban planning; if so, the reason for the flood in the cities;
- (b) whether unplanned heavy construction in mountains and blockage of river channels are the main reasons for the devastating incidents in Himachal Pradesh, Uttarakhand, and other States, if so, the steps taken by the Government to address the issue; and
- (c) whether Government has any data on the total loss caused by floods and other destructive activities in the last three years; if so, the details thereof?

**ANSWER**

**THE MINISTER OF HOUSING AND URBAN AFFAIRS**

**(SHRI HARDEEP SINGH PURI)**

- (a) to (c): A statement is laid on the table of the House.

## STATEMENT

### **STATEMENT REFERRED TO IN REPLY OF PART (a) TO (c) OF THE RAJYA SABHA STARRED QUESTION No. 112 DUE FOR ANSWER ON 31<sup>ST</sup> JULY 2023 REGARDING “POOR URBAN PLANNING”.**

(a) : As per 12<sup>th</sup> Schedule of the Constitution, Urban Planning is the function of Urban Local Bodies(ULBs)/Urban Development Authorities. Government of India (GoI) has only advisory role in the matter.

Water supply and drainage are state subjects. However, GoI through its various programmatic interventions assists the States/UTs in their efforts to provide basic amenities required to improve the quality of life of urban population.

Cities do get flooded during monsoon season due to various reasons, such as:

- Poor drainage due to silting and clogging of sewerage and drainage system and lack of pre-monsoon preparation.
- Encroachment of water channels.
- Lack of functional Master Plans without clear demarcation of existing drainage features and poor enforcement.

All the above at the city level are further exacerbated by the adverse impact of climate change.

(b): The Ministry has been facilitating States through certain initiatives and projects to prevent urban flooding, which are as follows:

- i. The Ministry has published Urban and Regional Development Plan Formulation and Implementation Guidelines 2014(Chapter 6 sustainability Guidelines) for adoption of states also address the issues of Urban Flooding.
- ii. Ministry has published Standard Operating procedures (SOP) for Urban Flooding in 2017 which is an advisory and was circulated to all the States/UTs for their adoption as per local conditions.
- iii. The Ministry under AMRUT Mission is also providing Central assistance to prepare GIS Based Master plans in Cities under Sub-Scheme on ‘Formulation of GIS based Master Plan for AMRUT Cities. The Sub Scheme is 100% centrally funded and being implemented through State Governments, with the total outlay of ₹.515.00 crore. It has three components. (i) GIS database creation, (ii) GIS based master plan formulation and (iii) Capacity Building. At present 461 towns in 34 States/UT are on board.

- iv. Under the Sub Scheme, all class-I cities are covered which also includes 02 cities from Himachal Pradesh and 07 cities from Uttarakhand. Draft Master Plans for these towns have been formulated on GIS platform which also includes flood control.
- v. A sum of ₹1.43 Cr. has been released to Himachal Pradesh and ₹3.18 Cr. to Uttarakhand under this scheme.
- vi. Storm water drainage is one of the components of Atal Mission for Rejuvenation and Urban Transformation (AMRUT). Against total allocation of ₹77,640 crore for projects under AMRUT, ₹2,969 crore (4%) has been allocated to Storm Water Drainage. Against this allocation, total 812 projects worth ₹2,998 crore have been taken up across 19 states/UTs. Of these, 719 projects worth ₹1,622 crore have been completed and 93 projects worth ₹1,376 crore are under implementation. The completed projects under AMRUT have helped eliminate 3,319 water logging points. State-wise, City-wise details of Storm water drainage projects under AMRUT is annexed.
- (c) : The computation of losses on account of climate factors has been done based on data reported by states/ UTs to Central Water Commission. Central Water Commission, Ministry of Jal Shakti has reported total flood damages caused due to floods and heavy rains to houses, crops and public utilities during the three years is as under:

| <b>S.No.</b> | <b>Year</b> | <b>Flood damages (Rs. in crore)</b> |
|--------------|-------------|-------------------------------------|
| 1            | 2019        | 15,868.53                           |
| 2            | 2020        | 21,194.17                           |
| 3            | 2021        | 49,617.62                           |

**ANNEXURE REFERRED TO IN REPLY TO PART (b) OF STARRED QUESTION NO. 112 REGARDING “POOR URBAN PLANNING” DUE FOR ANSWER IN THE RAJYA SABHA ON 31.07.2023**

**State-wise, City-wise details of Storm water drainage projects under AMRUT**

| Sl. No. | State             | City          | Projects completed |        |  | Projects ongoing |        |   | Total |        |  |
|---------|-------------------|---------------|--------------------|--------|--|------------------|--------|---|-------|--------|--|
|         |                   |               | No                 | Amount | No. of water logging points eliminated | No               | Amount | No. of water logging points under elimination | No    | Amount | No. of water logging points eliminated/under elimination |
| 1       | A&N Islands       | Port Blair    | 8                  | 4.02   | 11                                     |                  |        |   | 8     | 4.02   | 11   |
| 2       | Andhra Pradesh    | Anantapur     |                    |        |  | 2                | 21.37  | 2   | 2     | 21.37  | 2  |
|         |                   | Kakinada      | 2                  | 88.62  | 0                                      |                  |        |   | 2     | 88.62  | 0  |
|         |                   | Machilipatnam |                    |        |  | 2                | 19.02  | 0   | 2     | 19.02  | 0  |
|         |                   | Nellore       |                    |        |  | 2                | 82.02  | 4   | 2     | 82.02  | 4  |
|         |                   | Rajahmundry   |                    |        |  | 2                | 80.67  | 0   | 2     | 80.67  | 0  |
|         |                   | Srikakulam    |                    |        |  | 2                | 38.83  | 0   | 2     | 38.83  | 0  |
|         |                   | Tirupati      |                    |        |  | 2                | 12.19  | 6   | 2     | 12.19  | 6  |
| 3       | Arunachal Pradesh | Itanagar      | 1                  | 13.12  | 2                                      | 2                | 27.25  | 8   | 3     | 40.37  | 10   |
| 4       | Bihar             | Bhagalpur     |                    |        |  | 1                | 32.66  | 5   | 1     | 32.66  | 5  |
|         |                   | Muzaffarpur   |                    |        |  | 1                | 158.78 | 10  | 1     | 158.78 | 10   |
|         |                   | Patna         |                    |        |  | 1                | 46.55  | 8   | 1     | 46.55  | 8  |
| 5       | Delhi             | MCD           | 3                  | 5.38   | 17                                     |                  |        |   | 3     | 5.38   | 17   |
| 6       | Gujarat           | Amreli        | 1                  | 7.26   | 11                                     |                  |        |   | 1     | 7.26   | 11   |
|         |                   | Anand         | 1                  | 13.52  | 6                                      | 1                | 13.54  | 3   | 2     | 27.06  | 9  |
|         |                   | Bharuch       | 1                  | 2.81   | 4                                      |                  |        |   | 1     | 2.81   | 4  |
|         |                   | Bhavnagar     | 4                  | 8.86   | 13                                     |                  |        |   | 4     | 8.86   | 13   |
|         |                   | Bhuj          | 2                  | 3.12   | 10                                     |                  |        |   | 2     | 3.12   | 10   |
|         |                   | Deesa         | 1                  | 9.26   | 13                                     |                  |        |   | 1     | 9.26   | 13   |
|         |                   | Dwarka        |                    |        |  | 1                | 4.89   | 5   | 1     | 4.89   | 5  |
|         |                   | Gandhidham    | 1                  | 12.43  | 9                                      |                  |        |   | 1     | 12.43  | 9  |
|         |                   | Gandhinagar   | 1                  | 6.26   | 51                                     |                  |        |   | 1     | 6.26   | 51   |
|         |                   | Godhra        | 1                  | 1.4    | 2                                      |                  |        |   | 1     | 1.4    | 2  |
|         |                   | Gondal        | 2                  | 6.64   | 10                                     |                  |        |   | 2     | 6.64   | 10   |
|         |                   | Kalol         |                    |        |  | 1                | 6.3    | 2   | 1     | 6.3    | 2  |
|         |                   | Mahesana      | 1                  | 4.1    | 3                                      |                  |        |   | 1     | 4.1    | 3  |
|         |                   | Morvi         |                    |        |  | 1                | 4.25   | 5   | 1     | 4.25   | 5  |
|         |                   | Nadiad        | 1                  | 15.62  | 2                                      |                  |        |   | 1     | 15.62  | 2  |
|         |                   | Navsari       | 1                  | 9.68   | 23                                     | 1                | 10.35  | 3   | 2     | 20.03  | 26   |
|         |                   | Palanpur      | 1                  | 3      | 3                                      |                  |        |   | 1     | 3      | 3  |

| Sl. No. | State             | City                 | Projects completed |        |  | Projects ongoing |        |   | Total |        |  |
|---------|-------------------|----------------------|--------------------|--------|--|------------------|--------|---|-------|--------|--|
|         |                   |                      | No                 | Amount | No. of water logging points eliminated | No               | Amount | No. of water logging points under elimination | No    | Amount | No. of water logging points eliminated/under elimination |
|         |                   | Patan                | 1                  | 3.76   | 12                                     |                  |        |   | 1     | 3.76   | 12   |
|         |                   | Porbandar            | 1                  | 6.83   | 2                                      | 1                | 4.58   | 3   | 2     | 11.41  | 5  |
|         |                   | Rajkot               | 3                  | 11.68  | 23                                     |                  |        |   | 3     | 11.68  | 23   |
|         |                   | SurendranagarDudhrej | 1                  | 3.67   | 6                                      |                  |        |   | 1     | 3.67   | 6  |
|         |                   | Vadodara             | 2                  | 36.63  | 5                                      |                  |        |   | 2     | 36.63  | 5  |
|         |                   | Valsad               | 1                  | 3.09   | 3                                      |                  |        |   | 1     | 3.09   | 3  |
|         |                   | Vapi                 | 1                  | 6.48   | 6                                      |                  |        |   | 1     | 6.48   | 6  |
|         |                   | Veraval              |                    |        |  | 1                | 4.48   | 7   | 1     | 4.48   | 7  |
| 7       | Haryana           | Ambala               | 1                  | 5      | 25                                     | 1                | 39.92  | 16  | 2     | 44.92  | 41   |
|         |                   | Bhiwani              | 1                  | 23     | 15                                     | 1                | 31.67  | 15  | 2     | 54.67  | 30   |
|         |                   | Faridabad            | 2                  | 21.68  | 25                                     |                  |        |   | 2     | 21.68  | 25   |
|         |                   | Jind                 | 2                  | 24.62  | 20                                     |                  |        |   | 2     | 24.62  | 20   |
|         |                   | Kaithal              | 1                  | 11.26  | 15                                     |                  |        |   | 1     | 11.26  | 15   |
|         |                   | Karnal               | 1                  | 17     | 20                                     | 1                | 75.47  | 16  | 2     | 92.47  | 36   |
|         |                   | Sirsa                | 1                  | 6      | 15                                     | 1                | 3.87   | 6   | 2     | 9.87   | 21   |
|         |                   | Sonipat              | 1                  | 20     | 15                                     | 1                | 129.11 | 65  | 2     | 149.11 | 80   |
|         |                   | Thanesar             | 2                  | 30.42  | 27                                     |                  |        |   | 2     | 30.42  | 27   |
|         |                   | Yamunanagar          | 2                  | 13.35  | 11                                     |                  |        |   | 2     | 13.35  | 11   |
| 8       | Himachal Pradesh  | Kullu                |                    |        |  | 3                | 11.27  | 0   | 3     | 11.27  | 0  |
|         |                   | Shimla               | 7                  | 20.64  | 244                                    |                  |        |   | 7     | 20.64  | 244  |
| 9       | Jammu and Kashmir | Anantnag             | 5                  | 11.05  | 4                                      |                  |        |   | 5     | 11.05  | 4  |
|         |                   | Jammu                | 22                 | 96.89  | 71                                     |                  |        |   | 22    | 96.89  | 71   |
|         |                   | Srinagar             | 9                  | 76.79  | 104                                    |                  |        |   | 9     | 76.79  | 104  |
| 10      | Karnataka         | Badami               | 4                  | 2.54   | 4                                      |                  |        |   | 4     | 2.54   | 4  |
|         |                   | Bagalkot             | 5                  | 4.06   | 20                                     |                  |        |   | 5     | 4.06   | 20   |
|         |                   | Bhadravati           | 2                  | 35.18  | 10                                     |                  |        |   | 2     | 35.18  | 10   |
|         |                   | Chikmagalur          | 4                  | 6.68   | 7                                      | 1                | 3.3    | 1   | 5     | 9.98   | 8  |
|         |                   | Chitradurga          | 7                  | 19.39  | 5                                      |                  |        |   | 7     | 19.39  | 5  |
|         |                   | Gadag-Betigeri       |                    |        |  | 1                | 9.25   | 5   | 1     | 9.25   | 5  |
|         |                   | Gangawati            | 4                  | 9.34   | 0                                      | 1                | 10.52  | 0   | 5     | 19.86  | 0  |
|         |                   | Hospet               | 5                  | 6.87   | 22                                     |                  |        |   | 5     | 6.87   | 22   |
|         |                   | Kolar                | 16                 | 27.72  | 0                                      | 3                | 10.13  | 0   | 19    | 37.85  | 0  |
|         |                   | Mangalore            | 1                  | 3.66   | 4                                      |                  |        |   | 1     | 3.66   | 4  |

| Sl. No. | State          | City               | Projects completed |        |  | Projects ongoing |        |   | Total |        |  |
|---------|----------------|--------------------|--------------------|--------|--|------------------|--------|---|-------|--------|--|
|         |                |                    | No                 | Amount | No. of water logging points eliminated | No               | Amount | No. of water logging points under elimination | No    | Amount | No. of water logging points eliminated/under elimination |
|         |                | Robertson Pet      | 11                 | 20.58  | 0                                      |                  |        |   | 11    | 20.58  | 0  |
|         |                | Shimoga            | 11                 | 32.38  | 31                                     | 4                | 36.08  | 10  | 15    | 68.46  | 41   |
|         |                | Tumkur             | 4                  | 5.7    | 9                                      |                  |        |   | 4     | 5.7    | 9  |
| 11      | Kerala         | Alappuzha          | 142                | 45.98  | 174                                    | 8                | 4.53   | 23  | 150   | 50.51  | 197  |
|         |                | Guruvayur          | 10                 | 1.22   | 29                                     | 2                | 12.63  | 33  | 12    | 13.85  | 62   |
|         |                | Kannur             | 4                  | 3.09   | 5                                      | 8                | 36.26  | 14  | 12    | 39.35  | 19   |
|         |                | Kochi              | 48                 | 37.86  | 103                                    | 1                | 16     | 20  | 49    | 53.86  | 123  |
|         |                | Kollam             | 19                 | 25.25  | 29                                     | 1                | 3.34   | 3   | 20    | 28.59  | 32   |
|         |                | Kozhikode          | 9                  | 31.53  | 17                                     | 2                | 13.7   | 4   | 11    | 45.23  | 21   |
|         |                | Palakkad           | 80                 | 34.54  | 200                                    | 3                | 0.9    | 7   | 83    | 35.44  | 207  |
|         |                | Thiruvananthapuram | 102                | 39.9   | 570                                    | 1                | 0.45   | 7   | 103   | 40.35  | 577  |
|         |                | Thrissur           | 61                 | 25.28  | 51                                     | 6                | 4.65   | 3   | 67    | 29.93  | 54   |
| 12      | Madhya Pradesh | Bhopal             | 15                 | 146.08 | 154                                    |                  |        |   | 15    | 146.08 | 154  |
|         |                | Damoh              | 1                  | 8.66   | 4                                      |                  |        |   | 1     | 8.66   | 4  |
|         |                | Dewas              | 1                  | 2.49   | 5                                      |                  |        |   | 1     | 2.49   | 5  |
|         |                | Gwalior            | 1                  | 21.44  | 8                                      |                  |        |   | 1     | 21.44  | 8  |
|         |                | Hoshangabad        |                    |        |  | 1                | 11.17  | 19  | 1     | 11.17  | 19   |
|         |                | Mandsaur           | 1                  | 6.38   | 7                                      |                  |        |   | 1     | 6.38   | 7  |
|         |                | Ratlam             | 1                  | 13.53  | 4                                      |                  |        |   | 1     | 13.53  | 4  |
|         |                | Rewa               |                    |        |  | 1                | 20.78  | 17  | 1     | 20.78  | 17   |
|         |                | Satna              | 1                  | 17.79  | 5                                      |                  |        |   | 1     | 17.79  | 5  |
| 13      | Maharashtra    | Mira Bhayandar     | 1                  | 94.06  | 20                                     |                  |        |   | 1     | 94.06  | 20   |
| 14      | Mizoram        | Aizawl             | 3                  | 57.2   | 0                                      |                  |        |   | 3     | 57.2   | 0  |
| 15      | Nagaland       | Dimapur            |                    |        |  | 4                | 37.58  | 18  | 4     | 37.58  | 18   |
|         |                | Kohima             | 2                  | 18.35  | 0                                      | 2                | 23.82  | 0   | 4     | 42.17  | 0  |
| 16      | Rajasthan      | Baran              | 1                  | 1      | 3                                      |                  |        |   | 1     | 1      | 3  |
|         |                | Churu              | 1                  | 4.58   | 1                                      |                  |        |   | 1     | 4.58   | 1  |
|         |                | Jhunjhunun         | 1                  | 6.99   | 3                                      |                  |        |   | 1     | 6.99   | 3  |
|         |                | Jodhpur            |                    |        |  | 2                | 39     | 17  | 2     | 39     | 17   |
|         |                | Udaipur            | 1                  | 11.5   | 6                                      |                  |        |   | 1     | 11.5   | 6  |
| 17      | Sikkim         | Gangtok            | 25                 | 14.91  | 853                                    |                  |        |   | 25    | 14.91  | 853  |
| 18      | Uttarakhand    | Dehradun           | 7                  | 13.96  | 57                                     |                  |        |   | 7     | 13.96  | 57   |
|         |                | Hardwar            | 2                  | 4.19   | 6                                      | 3                | 6.3    | 3   | 5     | 10.49  | 9  |
|         |                | Nainital           | 1                  | 2.06   | 9                                      | 1                | 4.97   | 25  | 2     | 7.03   | 34   |
|         |                | Rudrapur           | 2                  | 3.43   | 4                                      |                  |        |   | 2     | 3.43   | 4  |

| Sl. No. | State       | City               | Projects completed |            |  | Projects ongoing |           |   | Total      |            |  |
|---------|-------------|--------------------|--------------------|------------|--|------------------|-----------|---|------------|------------|--|
|         |             |                    | No                 | Amount     | No. of water logging points eliminated | No               | Amount    | No. of water logging points under elimination | No         | Amount     | No. of water logging points eliminated/under elimination |
| 19      | West Bengal | Baharampur         |                    |            |  | 1                | 24        | 6   | 1          | 24         | 6  |
|         |             | Bhatpara           |                    |            |  | 1                | 72.5      | 11  | 1          | 72.5       | 11   |
|         |             | Halisahar          | 1                  | 60         | 12                                     | 1                | 65.6      | 7   | 2          | 125.6      | 19   |
|         |             | Madhyamgram        |                    |            |  | 1                | 24.99     | 16  | 1          | 24.99      | 16   |
|         |             | Panihati           | 1                  | 29.99      | 10                                     |                  |           |   | 1          | 29.99      | 10   |
|         |             | Santipur           |                    |            |  | 1                | 24.42     | 6   | 1          | 24.42      | 6  |
|         |             | <b>Grand Total</b> |                    | <b>719</b> | <b>1,622.3</b>                         | <b>3,319</b>     | <b>93</b> | <b>1,375.9</b>                                | <b>464</b> | <b>812</b> | <b>2,998.19</b>  |