

GOVERNMENT OF INDIA
MINISTRY OF RURAL DEVELOPMENT
DEPARTMENT OF RURAL DEVELOPMENT

LOK SABHA
UNSTARRED QUESTION NO. 1326
TO BE ANSWERED ON 03.03.2016

AFFORDABLE AND DURABLE HOUSES UNDER IAY

1326. SHRI PANKAJ CHAUDHARY:

Will the Minister of **RURAL DEVELOPMENT** be pleased to state:

- (a) the details of policy formulated by the Government to promote the technology regarding the construction of durable house at affordable rates in the country;
- (b) whether National Institute of Rural Development and Panchayati Raj (NIRD&PR) has development technology for building affordable and durable houses as per regional requirement, if so, the details thereof; and
- (c) whether the Government proposes to formulate any policy to provide durable houses at affordable rates by utilizing the technology developed by NIRD & PR if so, the details thereof?

ANSWER
MINISTER OF STATE IN THE MINISTRY OF RURAL DEVELOPMENT
(SHRI SUDARSHAN BHAGAT)

(a): As per IAY Guidelines, the States should proactively identify appropriate building technologies focusing on use of local materials. Natural factors such as building orientation, wind direction, vegetation, drainage and contours of the land alongwith awareness of locally available materials should be factored in to house design.

Good construction practices in such housing would include:

1. Half brick Wall
2. Rat-trap Bond
3. Jali Wall
4. Filler Slabs
5. Arches
6. Frameless Doors And Windows
7. Rubble Masonry
8. Bamboo Construction
9. Mud Construction
10. Building-in Furniture

(b): National Institute of Rural Development and Panchayati Raj (NIRD&PR) has not developed any technology for affordable and durable houses as per regional requirements. However, they have constructed demonstration houses through institutions which have developed eco-friendly and cost effective building technology. The detail of model houses constructed is given as under:

Sl. No.	Name Of Structure/House	Constructed by/Technology Provider
1	Stabilised Mud Block House Traditional House in Hot and Arid Gujarat	M/s. Hunnarshala Foundation Gujarat
2	Wattle and Daub House Sikkim Typology	M/s. Hunnarshala Foundation Gujarat
3	Stone Masonry House Himalayan Typology (Uttranchal, Himachal Pradesh)	M/s. Hunnarshala Foundation Gujarat
4	Stone Patti House Traditional House in Hot and Arid Rajasthan	M/s. Hunnarshala Foundation Gujarat
5	Traditional Mud House Karnataka Housing Typology (COB Technique)	M/s. Habitat Technology Group Thiruvananthapuram, Kerala
6	Ferro-Cement Channel Construction IAY Model House	M/s. Habitat Technology Group Thiruvananthapuram, Kerala
7	Brick Dome Structure Panchayati House Laurie Baker's Technology	M/s. Habitat Technology Group Thiruvananthapuram, Kerala
8	Jack Arch Unit Rural shops Laurie Baker's Technology	M/s. Habitat Technology Group Thiruvananthapuram, Kerala
9	Brick Panel House (CBRI Roorkee Technology) Laurie Baker's Construction Style	M/s. Habitat Technology Group Thiruvananthapuram, Kerala
10	Rat Trap Bond Brick Work House - Laurie Baker's Technology	M/s. Habitat Technology Group Thiruvananthapuram, Kerala
11	Filler Slab Dwelling House Laurie Baker's Technology	Centre of Science for Villages, Wardha, Maharashtra
12	Bamboo House Traditional House in North - Eastern Regions	Centre of Science for Villages, Wardha, Maharashtra
13	Mud Block Structure with Sun Dried Mud Blocks, Top with Guna Conical Tyles	Centre of Science for Villages, Wardha, Maharashtra
14	Laterite Stone Construction (Goa, Maharashtra, Kerala, Karnataka, Deccan Peninsula)	M/s. TS Habtech, Telangana State Housing Corporation Limited, Urdugalli, Himayatnagar, Hyderabad.

(c): At present no such proposal is under consideration in the Ministry.