

File No. Z.15015/55/2021-NHM-I
Government of India
Ministry of Health & Family Welfare
National Health Mission

Nirman Bhawan, New Delhi
Dated the 16th October 2021

To,

Mission Directors of NHM of all the States/UTs

Subject: General guidance for establishing Pre-fabricated structures in public healthcare facilities under ECRP-II - reg

Dear Ma'am / Sir,

The Ministry is supporting the States for creation of health infrastructure at all levels of healthcare including innovative approaches and PreFab structures, to meet the requirement of health infrastructure for any potential surge in COVID cases, under ECRP-II. Accordingly, under ECRP-II for FY 2021-22, based on the proposals received from the States/UTs, the action plans of the States/UTs have been approved.

2. Based on the national level consultations involving academic experts from IITs-Delhi, Roorkee, Madras, MIT Pune and MNIT-Jaipur and BMTPC (Building Materials and Technology Promotion Council) of Ministry of Housing and Urban Affairs (MoHUA), NHSRC has informed that the states can select from multiple options available for prefab structures (54 such technologies are certified by BMTPC, website-www.bmtpc.org) based on local context and geographical conditions. However, as per the recommendation of technical experts PUF (Poly Urethane Foam) and EPS (Ethyl Poly esterene) panels are suitable for the requirement at Healthcare facilities. Brief Note in this regard, is attached at Annexure.

3. It may be noted that the said unit cost is only for the purpose of estimation of resources required in a State/UT under ECRP-II and that the actual cost for the units may vary across states. In this regard, it is informed that the unit costs for pre-fab structures, i.e., Rs. 9.834 lakhs/unit for 6 bedded Units at SHCs and PHCs and @ Rs. 35 lakh /unit for 20 bedded units at CHC level, may not be treated as ceilings. States/UTs may, if the estimated costs for the pre-fab units in a State/UT is more than the unit cost indicated in the Guidelines, submit such proposals for enhanced support for pre-fab

structures along with details of the proposed unit (area, material and estimated rates), for necessary appraisal and approval.

4. This issues with the approval of AS&MD, NHM

(Dr. N. Yuvaraj)
Director (NHM-I),
Ph:011-23061360.

Copy to:

- ACS/PS/Secretary Health of all the States/UTs
- PPS to AS&MD(NHM), MoHFW, GoI
- PPS to JS(Policy), MoHFW, GoI
- ED, NHSRC
- All Directors/DSs of NHM

Annexure on Brief Note to states for prefabricated structures under ECRP II:

Technical requirement of the prefabricated structures:

Prefab structures primarily have three components 1) Civil work-foundation / sub structure 2) Super structure/ structural component and 3) the walls/roofing made of infills or various panels either prefab or as per new and innovative technology. The standards of all the three need to be maintained and ensured which will be varying with width, length and expected height of the prefab infrastructure to be created. So, the proper layout and design component is of paramount importance.

The structural and non-structural components irrespective of the type of material used by the designer /manufacturer should necessarily meet the following:

- Life span - The structures should be durable for at least 25-30 years.
- Building designed as per the vulnerability index of the area where the structure is proposed.
- The structures should ensure structural safety. They should be leakproof to withstand heavy rains, lightning-proof (insulated)
- The fire rating of the structure should comply to NBC/ Indian Standards or International standards whichever applicable. A fire rating of at least 2 hours is recommended for hospital structures.
- Thermal comfort- protection from extreme cold and heat.
- The minimum sound insulation should comply to International Noise Council standards/ NBC/ Indian Standards or International standards whichever applicable.
- Material should be strong enough to resist delamination prematurely.
- It should meet the functional requirements of hospital.

Implementation

- For the manufacturers/bidders, to be eligible for the bid (as per RFPs floated by states based on their requirements), **the manufacturers/vendors may be requested to on-board on GeM portal.**
- **Expected outcomes from the structures should not be compromised and the minimum criteria laid out for quality of the structures should be met.**
- The states have flexibility to make and float the RFP considering regional requirements however, while doing so the minimum expected outcomes should be defined clearly.
- **The design should be approved as per the state's protocol.**
- As a pre-requisite to establishing prefab hospitals, the states/UTs shall ensure that the specific requirements based on the design proposed including electricity, plumbing, gas pipelines are shared with the manufacturers in advance.
