

## Highlights of the Tender Invited by Urban Development Department, Himachal Pradesh, Shimla

1. In order to bring Emerging Technologies, Urban Development Department, Himachal Pradesh under the guidance and advice of BMTPC floated expression of interest inviting technologies providers for construction of houses. A Technical Committee formed by H.P Govt., shortlisted the technology providers and the shortlisted ones are being called to submit Financial-bid on lump-sum basis.
2. **Name of Work:** Construction of 96 houses (G+3) & one community centre, under IHSDP scheme (under JNNURM) for Slum dwellers at Solan and similarly other two locations namely Dharamshala & Baddi.
3. **Agency:** Urban Development department, Govt. of Himachal Pradesh.
4. **Project Duration :** 6 months
5. **Estimated Cost:** Rs. 622.06 Lakhs for 96 DUs, with estimate cost of **Rs. 622.06 Lakhs.** The cost Rs. 622.06 Lakhs is all inclusive cost of housing & infrastructure.
6. **Expression of Interest** was called for construction of houses with prefab technology at Solan, Dharamshala & Baddi.

Eligibility Bid Criteria in EOI: (for details see EOI)

- The agency should have used the technology at least once in India. Details of Work Orders/ Completion Certificate must be attached.
- The bidder must have average annual turnover of Rs. 3 crores minimum. The audited balance sheet of the last three financial years must be submitted in support of the turnover.

Technical Bid Criteria in EOI: (for details see EOI)

- The technology used shall be structurally safe for vertical and lateral forces as per relevant Indian standard codes including seismic forces. Material used shall have adequate fire resistant, thermal insulation and acoustic behavior.
- The technology / materials should either be certified by BMTPC or approved by any of the following institutions: Structural Engineering Research Institute/ Central Building Research Institute Roorkee/ IITs.

- The firms who have Performance Appraisal Certificate (PAC) from BMTPC shall be preferred.

**7. Shortlisting of bidders based on EOI:**

- Eligible Bidders in EOI were asked to give presentation on Pre-Fabricated construction technology proposed by them.
- Presentation was given by bidders in the meeting of Technical Committee. In order to have community participation and to know the opinion of beneficiaries under the scheme, two beneficiaries were also invited to attend the meeting/presentation.
- Technologies presented were namely, PUF Panels with Steel Structure Building, Glass Fiber Reinforced Gypsum (GFRG) system, EPS based concrete system with PUF walls & Steel Structure and Light Gauge Steel Structure.
- After discussion, the committee recommended to opt for pre-fabricated Steel Structure System/Light Gauge Steel Structure System as applicable as per latest IS codes IS 800 & IS 801 respectively.

8. **Tender called on Lump-Sum basis.** Tender was issued to shortlisted bidders for further technical and Financial bid. As per tender, bidder has to quote LS rate per sq.mtr. for construction of four storied prefabricated building including external infrastructure.

9. **Technology for Housing:** Technology adopted is prefabricated steel structure system/light gauge steel system as per latest IS 800 & IS 801 respectively. The walls shall be factory made EPS based panel system, Rockwool Insulation with cement particle board conforming to latest IS codes. Roofs shall be fabricated using steel truss, pre-painted steel sheets of required quality with sloped roof having false ceiling with AC sheet. Intermediate floor shall be composite of steel decking and concrete. The design shall be approved by the IIT/NIT/CBRI/SERC.